Baffinland

2015 QIKIQTANI INUIT ASSOCIATION (QIA) AND NUNAVUT WATER BOARD (NWB) ANNUAL REPORT

2015 ᕿᑭᖅᑖᓗᒃᑭ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖃᑎᒌᒃᑭᑦ (QIA) AND ᓄᓇᕗᒻᒥ ᐃᒪᓕᕆᔨᑦ ᑲᑎᒪᔨᒃᑭᑦ (NWB) ᐊᕐᕌᒍᑕᒫᕐᓯᐅᑎᑦ ᑎᑎᖅᑲᑦ

WATER LICENCES 2AM-MRY1325, 2BE-MRY1421, 8BC-MRY1416 and COMMERCIAL LEASE NO. Q13C301

ᐃᒪᓕᕆᓂᕐᒧᑦ ᓚᐃᓴᓐᓯ 2AM-MRY1325, 2BE-MRY1421, 8BC-MRY1416, ᐊᒻᒪᓗ ᓂᐅᕕᐊᒃᓴᖃᖅᐸᒃᑐᓄᑦ ᐊᑐᖅᑐᐊᕐᓂᕐᒧᑦ ᓈᓴᐅᑎᖓ Q13C301

MARCH 31, 2016 / ᒫᔾᔨ 31, 2016

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

2015 QIKIQATANI INUIT ASSOCATION (QIA) AND NUNAVUT WATER BOARD ANNUAL REPORT

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EXECUTIVE SUMMARY

In 2015, Baffinland's Project activities and monitoring began the year conducted under the Type A Water Licence 2AM-MRY1325 (Issued June 10, 2013), the exploration Type B Water Licence 2BE-MRY1421, the construction Type B Water Licence 8BC-MRY1416. Amendment No. 1 of Type A Water Licence 2AM-MRY1325 was issued on July 21, 2015 and approved September 2, 2015. The amended Type A Water Licence incorporates additional scope from the construction Type B Water Licence 8BC-MRY1416 and additional scope incorporated from the ERP based on Application to Amend Licence No. 2AM-MRY1325.

This report to the Nunavut Water Board (NWB) and the Qikiqtani Inuit Association (QIA) has been prepared to address the reporting requirements set forth in the referenced Water Licences and as agreed upon by the Qikiqtani Inuit Association in the Commercial Lease No. Q13C301.

Baffinland Iron Mines Corporation's (Baffinland) Water Licence(s) includes a sampling program that involves recording the volume of water extracted for any purpose, testing of any effluents (e.g., treated sewage effluents) discharged to the environment, and monitoring water quality within specific project areas (e.g., surface discharge downstream of construction areas, storm water from engineered containment structures, sewage and oily water effluent, etc.).

This information is summarized on the completed NWB Annual Report Forms, included as Appendix B, and is described in greater detail throughout this report. Based on a review of water licence effluent results reported as part of the water licence monitoring programs, effluent discharged to the receiving environment did not exceed water licence effluent criteria for the Type A and Type B Water Licences during 2015. In addition, there were no exceedances of the water volume withdrawal limit for camp use while under any of the referenced Water Licences for the Mine Site or Milne Port camps for domestic and construction or industrial purposes. The Steensby Port was unoccupied for all of 2015.

There were two exceedances of runoff water quality criteria from samples collected during the 2015 open water season;

- On June 3, 2015, exceedances of Total Suspended Solids (TSS) were recorded at monitoring locations MP-Q1-01 and MP-Q1-02, 113 mg/L and 203 mg/L, respectively. These exceedances were caused by rapid melt of drainage that had entrained sediments in the snow. The high TSS levels were short term and managed by means of excavation and silt fences.

There were three exceedances reported for pre-discharge characterization samples;

- The pH for MP-01A on July 13, 2015 was 9.87. This was a pre-discharge characterisation sample, no discharge to the receiving environment was performed for this facility in July 2015. The treatment process was developed utilizing sulphuric acid/polymers.
- On July 13, 2015, The Total Oil & Grease for a pre-discharge characterization sample of MS-03 was 23.3 mg/L. No discharge to the receiving environment was performed for this facility in 2015.

- The pH for MP-01A-RUN3 on August 24 was 10.19. This was a pre-discharge characterisation sample. The pH was subsequently adjusted during the treatment process resulting in pH values during discharge ranging from 6.54 to 8.18, as determined by field sample analysis.

On June 26, 2015, a snowmelt event along with some rain resulted in short term siltation to Mary River, via a non-fisheries drainage. Water management controls were implemented, which stabilized the situation and normalized conditions with regards to sediment levels the following day.

During 2015, forty-two (42) spills were reported to the Nunavut Spill Line, Water Licence inspector and QIA Major Projects. In addition to the required Spill Line report, a more detailed follow-up report was filed within thirty days of each reported spill that included a description of the event together with the immediate cause, corrective and preventative action, and a map showing the location of the spill.

The Type A Water Licence (2AM-MRY1325) allows for mining operations in accordance with the Nunavut Waters Regulations and authorizes Baffinland to use water and deposit waste in relation to the construction, operation, closure and reclamation of its Deposit No. 1 iron ore mine, as permitted under amended NIRB Project Certificate No. 005. In addition, the receipt of the Commercial Lease No.Q13C301 from QIA for Inuit Owned Lands (IOL) on September 6, 2013 provided the basis for the activities permitted under the Project Certificate to proceed on IOL in 2014. During 2015, the Mary River Project was in both construction phase and operations phase with the continuance of mining, crushing, and ore hauling.

Ongoing environmental field, engineering studies, involving baseline and engineering data collection were conducted during 2015 in accordance with the commitments made in the ERP, and the Final Environmental Impact Statement (FEIS) approved under the Project Certificate.

Other areas of importance during 2015 included ongoing compliance with applicable regulatory permits as well as continued progressive reclamation of areas of current and past use in association with the past exploration and bulk sample programs. The 2015 environmental and engineering studies field programs were executed during the late spring and open water season (May to September).

A description of the various activities associated with the Project as executed under the Type A water Licence 2AM-MRY1325 – Amendment No.1 and the QIA Lease No. Q13C301, presented by site areas and component activities is provided below;

Mary River Mine Site

At the Mary River Mine Site, the key Project activities included:

- Mining of Deposit No. 1 and the crushing and stockpiling of ore at the ore crushing locations;
- Maintenance of the Deposit No. 1 Mine Haul Road to facilitate pit development and mining;
- Constructed, installed and graded Waste Rock Haul Road, Waste Rock Stockpile pad, drainage ditches and temporary Waste Rock Stockpile Pond;
- On-going extraction of mainly rock material at Quarry QMR2 and other locations that were authorized by QIA under the Commercial Lease;
- Continued deposition of non-hazardous wastes into the constructed landfill at the Mine Site in accordance with current protocols;
- Ongoing construction, installation and commissioning of Project infrastructure, including;

  - Maintenance shops, site services building, warehouse, waste management buildings, truck wash facility, truck weigh scale, maintenance building welding shop and warehouse, offices/washcars, Crusher Ore Stockpile Settling Pond, and electrical distribution buildings.

- Installation of 2 – 50,000 L Jet-A fuel tanks at the Aerodrome Apron.
- Completed earthworks for the expansion of the crusher pad to provide extra area for blending operations as well as to accommodate a third crusher train.
- Continued decommissioning and on-going progressive reclamation required for the Bulk Fuel Bladder Farm and other waste storage sites constructed and utilized during the exploration phase of the operation.

Tote Road

Key activities undertaken during 2015 consisted of haulage of ore on the Tote Road from the Mary River Mine Site to Milne Port for stockpiling, and the trucking of fuel and other supplies to support Project operations and construction.

Improvements were undertaken to the Tote Road to ensure ongoing compliance to the Mine Health and Safety Act and Regulations and to achieve design efficiencies, namely:

- Consolidation and widening of the road base, localized road realignment, adjustments to the road grade where required, and on-going efforts to reduce risk at stream crossings through the implementation of the freshet management plan.
- Installation of nine (9) culverts at fish bearing crossings in areas where there was road realignment or widening.
- Commenced development of Km 2 and Km 97 borrows (located near Km 2 and 97 of the Tote Road), in addition to continued development of other approved quarry and borrow sources to provide access to aggregate for upgrades and sand for winter sanding, minor fill, and maintenance and other approved construction projects.

Development of a laydown and lined light duty mobile maintenance depot at km 60 for the purpose of future maintenance work such as tire changes, greasing, and oil changes. In addition, laydown areas, adjacent to the Tote Road, were developed for the storage of Ammonium Nitrate (AN) and equipment lineup areas. Follow-up monitoring activities were undertaken as required pursuant to the Fisheries Authorization for the Tote Road No-Net-Loss and Monitoring Program, QIA lease, and AANDC land use permit.

Milne Port

Key Project activities and monitoring at Milne Port in 2015 included:

- Stockpiling of ore at the Milne Port Ore Stockpile in advance of shipping operations for the open-water season in 2016,
- On-going extraction of till and rock material at Quarry Q1 authorized by QIA under the Commercial Lease.
- Marine spill contingency training delivered to Baffinland Emergency Response Team (ERT) members prior to fuel delivery at Milne Port by means of a combination of classroom lectures, field exercises, and tool box meetings.

- Construction and commissioning of surface infrastructure including:
    - Completed construction of ore stockpile areas and associated sedimentation ponds, ore reclaiming conveyor, ship loading facilities and the permanent Ore Dock at Milne.
    - Commencement of installation of a 50,000 L modular fuel dispensing station for the use of the Ore Haul Trucks (OHTs).

Decommissioning of the Milne Port Nuna shop and ancillary power supply commenced in 2015 and involved the removal of 10 contractor trailers/shipping containers (seacans), one contractor camp (Shanco), the former contractor (Nuna) shop and two diesel powered generators. The decommissioning was completed in July after analytical results confirmed successful remediation of the former Nuna Shop and generator footprints, and these areas were cleared to allow for the completion of the Milne Port ore stockpile pad.

A fire occurred at the ANMAR maintenance shop during February 2015 which destroyed the building and its contents. The site was remediated and decommissioned during the summer of 2015 with the shipment off site of hazardous materials, construction debris, and contaminated soils for disposal at approved waste disposal/recycling facilities.

2015 Project Sealift

The 2015 Project sealift occurred between July and October 2015 and consisted of the following:

- Two (2) sealift vessels which offloaded consumables, buildings, equipment and materials required for the execution of construction and operational activities at the Mary River Mine Site, Tote Road, and Milne Port.
- The receipt of 36.1 ML of P-50 diesel fuel and 1.95 ML of Jet-A fuel via two (2) ship-to-shore floating hose fuel transfers in September and October to the Milne Port fuel steel tank bulk fuel storage facility.
- The shipment off-site of various waste and hazardous materials generated over the course of the previous year (including waste debris from the ANMAR fire) for disposal in approved/licensed facilities in Southern Canada via sealift to the Port of Valleyfield, Quebec, and subsequent ground transportation to final disposal facilities.

2015 Ore Shipments

Mining activities during 2015 produced a total of 1,328,640 tonnes of Mary River Iron Ore mined from Deposit No. 1. On August 7, 2015 the first ore ship sailed out of Milne Inlet carrying 53,625 tonnes of iron ore. A total of 916,435 tonnes were shipped on 13 vessels. After the open water season, ore continued to be stockpiled at the Milne Port Ore Stockpile area.

Regulatory Inspections

In 2015, Baffinland hosted numerous regulatory inspections from AANDC and QIA, as well as the WSCC Mines Inspector;

- Five (5) inspections conducted by AANDC water resource officers,
- Three (3) inspections and one (1) environmental audit were conducted by the Qikiqtani Inuit Association (QIA) under the agreement of Commercial Lease Q10C3001, and
- WSCC conducted five (5) inspections at both the Mine and Port Sites.

Community and Consultation

During 2015, Baffinland maintained and continued to operate community liaison offices in Iqaluit, Arctic Bay, Igloolik, Pond Inlet, Clyde River, and Hall Beach. In Iqaluit, Baffinland's Northern Affairs Manager oversees the Nunavut business office and the network of liaison officers.

Community and government consultation also continued with a high level of effort in 2015. Meetings were held with the public, local hamlet officials, local HTOs, local QIA representatives, and/or others in the North Baffin communities

Updates to Plans

An annual review of the management plans developed under the water licence has also been completed. Updates to management plans have been completed;

- Air Quality and Noise Abatement Management Plan,
- Cultural and Heritage Resource Protection Plan,
- Terrestrial Environment Management and Monitoring Plan,
- Roads Management Plan,
- Emergency Response Plan,
- Spill Contingency Plan,
- Fresh Water, Sewage and Wastewater Management Plan,
- Hazardous Materials and Hazardous Waste Management Plan,
- Interim Reclamation and Closure Plan,
- Surface Water, Aquatic Ecosystems, Fish and Fish Habitat Management Plan,
- Surface Water Sampling Program – Quality Assurance and Quality Control Plan,
- Aquatic Effects Monitoring Plan,
- Waste Management Plan,
- Oil Pollution Emergency Plan – Milne Port (OPEP),

Summary of Project Plans for 2016

The 2016 Work Plan was prepared and provided to relevant parties on October 30, 2015 as required under Section 6.1 of the Commercial Lease, No. Q13C301 and under the Amendment No. 1 Type A Water Licence (2AM-MRY1325), Part J, Item 3 for the purposes of an Annual Security Review (ASR) for activities undertaken on an annual basis. In the event the Project does not advance, the work items as described and constructed in the 2016 Work Plan will be subject to reclamation, as per relevant regulatory and permit obligations.

The 2016 Work Plan describes the planned development and operation of the mine, ore crushing and land transportation, stockpiling and marine shipment of ore, and the continued development and construction of infrastructure required at Milne Port, the Tote Road, and the Mary River Mine Site for the Mary River Project. The 2016 Work Plan is reproduced in Appendix C.

The continued development and construction of the site as described in the 2016 Work Plan will require a 2016 sealift. It is expected that sealifts carrying fuel, equipment and supplies for use at the Mine Site and Milne Port will occur during open water (approximately between mid-July and mid-October 2015). Material, fuel and supplies required for operational and construction activities will be transported to the Mine Site year round via the Tote Road.

During 2016, there will be ongoing exploration, including the possibility of drilling, on Baffinland's exploration lands and geotechnical drilling and surveys at project development areas may be required to support engineering, design, and construction activities of the Project. Ongoing environmental effects studies and baseline data collection will continue to support the construction and operation of the Project. These activities will resume, as required, at the Milne Port site, along the Tote Road, at the Mine Site, at numerous quarry sites and at other Project development areas.

Continued operation of Mine Site and Milne Port camps to support ongoing operations and construction activities which will include the use of water and deposition of waste as authorized under existing permits. Ongoing operation of permitted quarry and borrow sources; there are also additional planned quarries and borrow areas along the Tote Road that are identified and are to be utilized during 2016.

The Project site will continue to achieve compliance with the various regulatory requirements, and maintain community relationships. Environmental monitoring in accordance with the approved Project Certificate, licences, authorizations, management plans and environmental effects monitoring plans will continue during 2016. Archaeological surveys at project component areas will be performed as required.

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2015 ᕿᑭᖅᑖᓗᖕᒥ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖅᑎᒌᖕᒋᑦ (QIA) ᐊᒻᒪᓗ ᓄᓇᕗᑦ ᐃᒥᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᑕ (NWB) ᐊᕐᕌᒍᑕᒫᕐᓯᐅᑎᑦ ᑎᑎᖅᑲᑦ

ᐊᐅᓚᑦᑎᔨᒃᑯᑦ ᓇᐃᓪᓕᒋᐊᖅᓯᒪᔪᒃᑯᑦ ᐅᓂᒃᑳᓕᐊᖕᒐ

2015-ᒥ, ᐹᕙᓐᓇᓐᑯᑦ ᓴᓇᔭᒃᓴᑦ ᐱᓕᕆᓂᐅᔪᑦ ᐊᒻᒪᓗ ᖃᐅᔨᒪᒋᐊᖅᓯᓃᑦ ᐱᒋᐊᓚᐅᖅᐳᑦ ᑕᐃᑦᓯᒪᓂ ᐊᕐᕌᒍᖕᒐᓂ ᐱᓕᕆᐊᖑᑎᓪᓗᒋᑦ ᐅᑯᑎᒎᓇ ᐃᒪᓐᓇᐃᑦᑑᓗᓂ A ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ 2AM-MRY1325 (ᑎᑎᕋᒃᑕᐅᓗᓂ ᔪᓂ 10, 2013), ᕿᓇᔭᖕᓂᕐᒧᑦ ᐃᒪᓐᓇᐃᑦᑑᓗᓂ B ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ 2BE-MRY1421, ᐃᒡᓗᓕᐅᕐᓂᕐᒧᑦ ᐃᒪᓐᓇᐃᑦᑑᓗᓂ B ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ 8BC-MRY1416. ᐋᖅᑭᒋᐊᖅᓯᔪᑎ ᓈᓴᐅᑎᖕᒐ 1 ᐃᒪᓐᓇᐃᑦᑑᓗᓂ A ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ 2AM-MRY1325 ᑎᑎᕋᑦᑕᐅᓚᐅᕐᒪᑦ ᔪᓚᐃ 21, 2015-ᒥ ᐊᒻᒪᓗ ᐊᖏᖅᑕᐅᓪᓗᓂ ᓯᑎᐱᕆ 2, 2015-ᒥ. ᐋᖅᑭᒋᐊᖅᓯᔪᑎ ᐃᒪᓐᓇᐃᑦᑑᓗᓂ A ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ ᐃᓚᒋᓕᐅᔾᔨᓚᐅᕐᒪᑦ ᐃᓚᒃᑲᓐᓂᖕᒐᓂᑦ ᐱᓕᕆᓂᐅᔪᒧᑦ ᐃᒡᓗᓕᐅᕐᓂᕐᒧᑦ ᐃᒪᓐᓇᐃᑦᑑᓗᓂ B ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ 8BC-MRY1416 ᐊᒻᒪᓗ ᐃᓚᕐᑲᒃᑲᓐᓂᕐᓗᓂ ᐱᓕᕆᐊᖑᔪᒥᒃ ᐃᓚᒋᓕᐅᑎᓯᒪᓗᓂ ᐅᑯᓇᖕᒐᑦ ᐱᒋᐊᓕᕋᑖᕐᓂᖕᒐᓂ ᑮᓇᐅᔭᓕᐅᕐᓂᐅᑉ ᐱᓕᕆᐊᖑᓂᖕᒐᓂᑦ ᑐᖕᒐᕕᕐᑲᒃᑎᑕᐅᓗᓂ ᑐᒃᓯᕋᐅᑎᑦ ᐋᖅᑭᒋᐊᖅᓯᔪᒪᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ ᓈᓴᐅᑎᓕᒃ 2AM-MRY1325.

ᑕᒪᓐᓇ ᐅᓂᒃᑳᓕᐊᖅ ᓄᓇᕗᑦ ᐃᒥᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᓐᓄᑦ (NWB) ᐊᒻᒪᓗ ᕿᑭᖅᑖᓗᖕᒥ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖅᑎᒌᖕᒋᓐᓄᑦ (QIA) ᐸᕐᓇᒃᑕᐅᓯᒪᕗᖅ ᑭᐅᓂᕐᒧᑦ ᐅᓂᒃᑳᓕᐊᖑᔪᓄᑦ ᐱᔭᕆᐊᖃᕐᓂᐅᔪᓂᑦ ᐋᖅᑭᒃᑕᐅᓯᒪᔪᓂ ᐅᖃᐅᑕᐅᓯᒪᓂᖕᒐᒍᑦ ᐃᒪᓕᕆᓂᕐᒧᑦ ᓚᐃᓴᓐᓯᖕᒋᓐᓂ ᐊᒻᒪᓗ ᐊᖏᕈᑕᐅᓯᒪᓂᖕᒐᑎᒍᑦ ᕿᑭᖅᑖᓗᖕᒥ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖅᑎᒌᖕᒋᓐᓂᑦ ᓂᐅᕕᕐᕕᖅᑲᕐᕕᐅᔪᓄᑦ ᐊᑐᖅᑐᐊᕐᓃᑦ ᓈᓴᐅᑎᓕᖕᒥᑦ Q13C301–ᒥᑦ.

ᐹᕙᓐᓇᓐᑯᑦ ᓴᕕᕋᔭᒃᓴᓂᒃ ᐅᔭᕋᒃᓂᐊᕕᐅᑉ ᑎᒥᕐᑯᑖ (ᐹᕙᓐᓇᓐᑯᑦ) ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ(ᑦ) ᐱᖃᓯᐅᔨᓯᒪᖕᒪᑕ ᖃᐅᔨᓴᕈᑎᒃᓴᓕᐅᕐᓂᕐᒧᑦ ᐱᓕᕆᔪᑎᒥᒃ ᐱᓕᕆᐊᖃᕐᓗᓂᓗ ᑎᑎᕋᒃᓯᓂᕐᒥᒃ ᐊᖏᓂᖕᒐᓂᑦ ᐃᒥᐅᑉ ᐱᔭᐅᔪᐅᑉ ᓇᓪᓕᐊᖕᓂᑐᐃᓐᓇᖅ ᑐᒃᓯᕋᖑᓯᔪᓂᑦ, ᖃᐅᔨᓴᖅᓯᔪᑕᐅᔪᓗᑎᒃ ᖃᓄᐃᑦᑐᑐᐃᓐᓇᕐᓂᒃ ᑭᓂᕆᕙᓪᓕᐊᔪᓂᒃ (ᑐᑭᓕᐅᑎᓗᒍ, ᓴᓗᒪᖅᓴᖅᓯᒪᔪᒥᒃ ᑭᓈᕐᓗᖕᓂᒃ ᑭᓂᕆᔪᒥᑦ) ᑯᕕᔪᔭᐅᔪᒥᒃ ᑕᖅᑲᐅᖕᒐ ᐊᕙᑎᒧᑦ, ᐊᒻᒪᓗ ᖃᐅᔨᒪᒋᐊᖅᓯᓂᕐᒧᑦ ᐃᒪᐅᑉ ᐱᐅᓂᖕᒐᓂᑦ ᐃᓗᐊᓂ ᑕᐃᒃᑯᐊᓪᓗᐊᖅ ᓴᓇᔭᒃᓴᓂ ᐃᓂᒋᔭᐅᔪᓂ (ᑐᑭᓕᐅᑎᓗᒍ, ᐋᖅᑭᒃᓯᒪᑎᑕᐅᔪᑦ ᐃᒪᒪᒍᕐᓂᐊᕐᓗᑎᒃ ᓴᓇᓯᒪᔪᑦ, ᑭᓈᕐᓗᖕᓂ ᐊᒻᒪᓗ ᐅᖅᓯᖅᑎᕈᑎᕈᔪᖕᓂᒃ ᐃᒪᓕᖕᓂᑦ ᑭᓂᕆᕕᐅᓗᑎᒃ, ᐊᓯᒃᑲᓐᓂᖕᒋᓐᓄᓪᓗ).

ᑕᒪᓐᓇ ᑐᓴᐅᒪᔾᔪᑎᒃᓴᖅ ᓇᐃᓪᓕᒋᐊᖅᑕᐅᓯᒪᕗᖅ ᐱᔭᕇᖅᑕᐅᓯᒪᔪᓂ ᓄᓇᕗᑦ ᐃᒥᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᑕ ᐊᕐᕌᒍᑕᒫᖅ ᐅᓂᒃᑳᓕᐊᕆᓯᒪᔭᖕᒋᓐᓂ ᑎᑎᕋᕕᒋᔭᕆᐊᓕᖕᓂ, ᐱᖃᓯᐅᑎᔭᐅᓯᒪᓪᓗᑎᒃ ᑕᐃᒪᓐᓇ ᓇᓂᕐᑎᓯᑦ B-ᖑᓗᑎᒃ, ᐊᒻᒪᓗ ᐅᖃᐅᑕᐅᑦᑎᐊᖅᓯᒪᓪᓗᑎᒃ ᓇᓗᓇᐃᔭᖅᓯᒪᓂᖅᓴᐅᓗᑎᒃ ᑕᒃᑯᓇᓂ ᐅᓂᒃᑳᓕᐊᕆᓯᒪᔪᓂ. ᑐᖕᒐᕕᒋᓗᒋᑦ ᕿᒥᕈᔭᐅᓂᖕᒋᑦ ᐃᒥᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎᑦ ᑯᕕᕙᓪᓕᐊᔪᓄᑦ ᓴᖅᑭᔾᔪᑕᐅᔪᑦ ᐅᖃᐅᑕᐅᓯᒪᔪᑦ ᐃᒪᓐᓇ ᐃᓚᒋᔭᐅᓪᓗᑎᒃ ᐃᒥᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎᓄᑦ ᖃᐅᔨᒪᓇᓱᐊᖅᓯᓂᕐᒧᑦ ᐱᓕᕆᐊᒃᓴᓂᒃ, ᑯᕕᕙᓪᓕᐊᔪᖅ ᑯᕕᓪᓗᓂ ᑎᑭᑕᐅᕙᓪᓕᐊᔪᑦ ᐊᕙᑎᒧᑦ ᐅᖕᒐᑖᓄᓚᐅᖕᒋᒪᑕ ᐃᒥᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎᑦ ᑯᕕᕙᓪᓕᐊᔪᓄᑦ ᒪᓕᒃᑕᐅᔭᕆᐊᓕᖕᓄᑦ ᒪᑯᓇᓂ ᖃᓄᐃᑦᑑᓂᖕᒐ A-ᒥ ᐊᒻᒪᓗ ᖃᓄᐃᑦᑑᓂᖕᒐ B-ᒥ ᐃᒥᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎᓂ ᐊᑐᖅᑎᓗᒍ 2015–ᒥᑦ. ᖃᒃᑲᓐᓂᐊᒍᑦ, ᐅᖕᒐᑎᓗᐊᖕᒐᓈᖅᑐᖅᑲᕐᓗᐅᖕᒋᑦᑐᖅ ᐃᒪᕐᒥᑦ ᐊᑐᕈᓐᓇᖅᑕᒥᓂᑦ ᐃᒥᖅᑕᕐᓂᕐᒧᑦ ᑭᒡᓕᐅᔪᓂᑦ ᑕᖕᒫᕐᕕᖕᒧᑦ ᐊᑐᖅᑕᐅᓂᖕᒐᓂ ᐅᕙᓃᑎᓪᓗᒍ ᑎᑎᕋᒃᓯᒪᔪᓂᑦ ᐃᒪᓕᕆᓂᕐᒧᑦ ᓚᐃᓴᓐᓯᖕᒐᓐᓂ ᐅᔭᕋᖕᓂᐊᕐᕕᐅᑉ ᐃᓂᒋᔭᐅᔪᒥᑦ ᐅᕝᕙᓘᓐᓃᑦ ᕿᒐᖑᐊᓂ ᑐᓚᒃᑕᕐᕕᖕᒐᓂ ᑕᖕᒫᕐᕕᖕᒐᓂ ᑭᒃᑯᓕᒫᓄᑦ ᐊᒻᒪᓗ ᓇᑉᐸᖅᑎᕆᓂᖅ ᐅᕝᕙᓘᓐᓃᑦ ᓴᓇᕕᒡᔪᐊᓄᑦ ᐱᔾᔪᑕᐅᔪᓄᑦ. ᑲᙵᖅᓱᒡᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖕᒐᓂ ᓇᔪᖅᑕᐅᓚᐅᖕᒋᒻᒪᑦ ᐃᓗᓐᓇᓕᒫᖕᒐᓂ 2015-ᒥ.

ᐱᑕᖃᓚᐅᕐᒪᑦ ᒪᕐᑑᖕᓂᒃ ᐅᖓᑖᓄᓗᐊᖅᓯᒪᔫᖕᓂᒃ ᑯᕕᕕᐅᔪᒥ ᐃᒪᐅᑉ ᐱᐅᓂᖅᓯᐅᖅᑕᐅᓂᖓᓂ ᒪᓕᒃᑕᐅᔭᕆᐊᓕᖕᓂᑦ ᖃᐅᔨᓴᕈᑕᐅᔪᓃ ᐱᔭᐅᓯᒪᔫᖕᓂᒃ ᐊᑐᖅᑎᓪᓗᒍ 2015 ᓯᑯᖃᒃᑎᓐᓇᒍ ᐊᐅᔭᙱᕐᑲᑦᑕᕐᓂᖓᓂ:

- ᔫᓂ 3, 2015-ᒥ, ᐅᖓᑖᓄᓗᐊᖅᓯᒪᔪᑦ ᑲᑎᓗᒋᑦ ᖃᖓᓄᖅᑕᐅᓯᒪᔪᑦ ᑕᖕᒋᓖᑦ (TSS) ᑎᑎᕋᒃᑕᐅᓯᒪᓚᐅᖅᐳᑦ ᖃᐅᔨᓇᓱᐊᖅᑕᐅᓯᒪᔪᓂ ᐃᓂᒋᔭᐅᔪᓂ MP-Q1-02, 113 ᑎᑦᑕᕋᓛᖕᒋᓐᓂ/ᖃᓪᓗᐅᑉ ᐊᒻᒪᓗ 203 ᑎᑦᑕᕋᓛᖕᒋᓐᓂ/ᖃᓪᓗᐅᑉ, ᖃᐅᔨᒪᔪᑕᐅᓪᓗᐊᑕᕐᓗᑎᒃ. ᑕᒪᒃᑯᐊ ᐅᖓᑖᓄᓗᐊᖅᓯᒪᔪᑎᑦ ᑕᐃᒪᓐᓇᐃᑎᑕᐅᓯᒪᕗᑦ ᕿᓚᒥᐊᓗᒃ ᐊᐅᒃᑎᓪᓗᒍ ᑰᒃᐸᓕᐊᕕᖕᓂ ᑕᒪᒃᑯᐊᓗ ᑰᒐᓂᑰᓪᓗᑎᒃ ᖃᐅᔨᓴᒐᒃᓴᑦ ᐊᐳᑎᒥᑦ. ᖁᕝᕙᓯᓂᖓ ᑲᑎᓗᒋᑦ ᖃᖓᓄᖅᑕᐅᓯᒪᔪᑦ ᑕᖕᒋᓖᑦ ᖁᕝᕙᓯᒡᓂᖕᒋᑦ ᕿᓚᒻᒥᐅᓚᐅᖅᐳᑦ ᐊᒻᒪᓗ ᐊᐅᓚᑕᐅᓪᓗᑎᒃ ᐸᒃᑲᒃᑕᐅᓪᓗᑎᒃ ᐊᒻᒪᓗ ᓯᐅᕋᕈᔪᔭᐃᑯᑎᒥᒃ ᐊᕙᓗᓕᖅᑕᐅᓪᓗᓂ.

ᐱᑕᖃᓚᐅᖅᐳᖅ ᐱᖓᓱᓂᑦ ᐅᖓᑖᓄᓗᐊᖅᓯᒪᔪᓂᑦ ᑎᑎᕋᒃᓯᐅᓯᒪᓪᓗᑎᒃ ᒪᑯᓇᓂ ᑰᒐᖅᐸᓪᓕᐊᓂᖓᓄᑦ ᑕᐃᒪᓐᓇᐃᑎᑕᐅᓪᓗᑎᒃ ᖃᐅᔨᓴᑕᐅᔪᒃᓴᓕᐊᖑᔪᓂ:

- ᓄᖑᑎᕐᓇᖅᑐᕈᔪᖕᒋᑦ ᐆᒧᖓ MP-01A ᐅᓇᐅᑎᓪᓗᒍ ᔪᓚᐃ 13, 2015-ᒥ ᐃᒪᓐᓇᑎᒋᐅᓚᐅᖅᐳᑦ 9.87. ᑖᓐᓇ ᑰᒐᖅᐸᓪᓕᐊᓂᖓᓄᑦ ᑕᐃᒪᓐᓇᐃᑎᑕᐅᓪᓗᓂ ᖃᐅᔨᓴᒐᒃᓴᓕᐊᖑᔪᖅ, ᑯᕕᕐᖃᓚᐅᖕᒋᒻᒪᑦ ᐊᕙᑎᒧᐊᖅᐸᓪᓕᐊᔪᒥᒃ ᐱᓕᕆᐊᖑᔪᕐᖃᕐᓇᓂᓗ ᑕᒪᑐᒧᖓ ᐱᔭᐅᔪᒥᒃ ᔪᓚᐃ 2015-ᒥ. ᓴᓗᒻᒪᖅᓴᐃᓂᕐᒧᑦ ᐱᓕᕆᔪᑎ ᐋᖅᑭᒃᑕᐅᓚᐅᖅᐳᖅ ᐱᓕᕆᐊᖑᔪᓐᓇᖅᓯᓗᑎᑦ ᐳᔪᕐᓗᖕᒥ ᐆᑎᕐᓇᖅᑐᖅ/ᑕᖕᒋᖓ.

- ᔪᓚᐃ 13, 2015-ᒥ, ᐃᓘᓐᓇᑎᒃ ᐅᖅᓱᖅᑎᕈᑦ ᐊᒻᒪ ᐸᑕᐅᔭᖅ ᑰᒐᖅᐸᓪᓕᐊᓂᖓᓄᑦ ᑕᐃᒪᓐᓇᐃᑎᑕᐅᓪᓗᓂ ᖃᐅᔨᓴᒐᒃᓴᓕᐊᖑᔪᖅ MS-03 ᐃᒪᓐᓇᑎᒋᐅᓚᐅᖅᐳᖅ 23.3 ᑎᑦᑕᕋᓛᖕᒋᓐᓂ/ᖃᓪᓗᐅᑉ. ᑰᒐᖅᐸᓪᓕᐊᔪᖃᖕᒋᓐᓂᖓᓄᑦ ᐱᔭᐅᔪᖃᓚᐅᙱᓕᖅ ᐊᕙᑎᒥᒃ ᐱᓕᕆᓂᖃᒃᑐᖃᕐᓇᓂ ᑕᐃᑦᓱᒧᖓ ᐱᓕᕆᕕᐅᔪᒧᑦ ᔪᓚᐃ 2015-ᒥ.

- ᓄᖑᑎᕐᓇᖅᑐᕈᔪᒃ ᐆᒧᖓ MP-01A-RUN3 ᐊᐅᒍᓯ 24-ᖑᑎᓗᒍ ᐃᒪᓐᓇᑎᒋᐅᓚᐅᖅᐳᖅ 10.19. ᑕᒪᓐᓇ ᑰᒐᖅᐸᓪᓕᐊᓂᖓᓄᑦ ᑕᐃᒪᓐᓇᐃᑎᑕᐅᓂᖓ ᖃᐅᔨᓴᒐᒃᓴᓕᐊᖑᓚᐅᖅᐳᖅ. ᓄᖑᑎᕐᓇᖅᑐᕈᔪᒃ ᐋᖅᑭᒋᐊᖅᑕᐅᓯᑲᓪᓚᓚᐅᖅᐳᖅ ᓴᓗᒻᒪᖅᓴᖅᑕᐅᑎᓗᒍ ᓴᕿᔪᑎᖃᓪᓗᓂ ᓄᖓᑎᕐᓇᖅᑐᐅᑦ ᖃᓄᖕᒋᒋᐅᓂᖕᒋᑦ ᑰᒐᖅᐸᓪᓕᐊᔪᒥᑦ ᑎᑭᐅᒪᓗᓂ ᐃᒪᓐᓇᑎᒋᒥᑦ 6.54 ᑎᑭᓪᓗᒍ 8.18, ᑕᐃᒪᓐᓇᐅᓂᐊᕋᓱᒋᔭᐅᓚᐅᕐᓂᖓᓂᑦ ᑖᖅᑳᓂ ᖃᐅᔨᓴᒐᒃᓴᓕᐅᕐᓂᕐᒧᑦ ᖃᐅᔨᓇᓱᐊᖅᑎᒧᑦ.

ᔫᓂ 26, 2015-ᒥ, ᐊᐳᑎ ᐊᐅᒃᐸᓪᓕᐊᑎᓗᒍ ᓯᓚᓗᖃᑦᑕᖅᑎᓗᒍᓗ ᓴᕿᔪᑎᖃᓚᐅᖅᐳᖅ ᐊᑯᓂᐅᖕᒋᑦᑐᖅ ᓯᐅᕋᕈᔫᓂᖃᕐᓗᓂ ᓄᓘᔭᖕᓂ, ᒪᑯᑎᒍᓇ ᐃᖃᓗᖃᖕᒋᑦᑐᓂ ᑰᒐᕕᓂ. ᐃᒪᕐᒥᒃ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐊᐅᓚᑕᐅᔪᑏᑦ ᐊᑐᓕᖅᑎᑕᐅᓚᐅᕐᒪᑕ, ᑕᒪᓐᓇᓗ ᐊᒃᓲᓗᐊᕈᓐᓃᖅᑎᑦᑎᓪᓗᓂ ᓯᐅᕋᕈᔫᓂᖓᓂᑦ ᐊᒻᒪᓗ ᐃᓕᖁᓯᕆᓯᖓᑎᑑᓕᕐᓗᓂ ᐃᒪᐅᓂᖓᑕ ᓯᕈᐊᕿᓂᖓᑕ ᖃᓄᑎᒋᐅᓂᖓᓄᐊᖑᔪᖅ ᖃᐅᑐᐃᓐᓇᖅᑎᓗᒍ ᐅᓪᓗᕐᒥ.

ᐊᑐᖅᑎᓗᒍ 2015, ᐳᐊᑦᑎ-ᑑ (42) ᑯᕕᓂᑰᑦ ᐅᖃᐅᑎᒋᔭᐅᓚᐅᕆᕗᑦ ᑐᓴᖅᑎᑕᐅᓪᓗᑎᒃ ᓄᓇᕗᑦ ᑯᕕᓂᑯᓕᕆᔨᒃᑯᑦ ᐅᖃᓚᕕᒃᓴᐅᑎᑕᐅᔪᑦ, ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ ᖃᐅᔨᓴᖅᓯᔨᖓ ᐊᒻᒪᓗ ᕿᑭᒃᑕᓃᒃᑯᑦ ᑲᑐᔨᖃᑎᒋᖕᒋᑕ ᓴᓇᔭᒃᓴᓕᕆᔨᒃᑯᖕᒋᑦ. ᐃᓚᒋᒃᑲᓐᓂᕐᓗᓂᐅᒃ ᑕᐃᒪᓐᓇᐅᔭᕆᐊᖃᕐᓂᖕᒋᓐᓄᑦ ᑯᕕᓂᑯᓕᕆᔨᒃᑯᑦ ᐅᖃᓚᕕᒃᓴᐅᑎᑕᐅᔪᑦ ᐅᖃᐅᔭᒥᓃᑦ, ᓇᓗᓇᐃᔭᕐᑎᐊᖅᓯᒪᓂᖅᓴᐅᔪᑦ ᖃᐅᔨᒋᐊᕈᑎᑦ ᐅᓂᒃᑳᖅᓯᒪᔪᑦ ᑎᑎᕋᒃᓯᒪᔪᓕᐊᖑᓚᐅᕆᕗᑦ ᐃᓗᐊᓂ 30 ᐅᓪᓗᓂ ᐊᑐᓂ ᐅᓂᒃᑳᖅᓯᒪᓪᓗᑎᒃ ᑯᕕᓯᒪᔪᓕᕆᓂᕐᒥᒃ ᐱᖃᓯᐅᔾᔨᓪᓗᑎᒃ ᓇᓗᓇᐃᔭᕐᓗᒋᑦ ᖃᓄᐃᓗᖅᑎᓪᓗᒋᐅᓴᒐᕐᒐᑕ ᐱᖃᓯᐅᔭᔭᐅᓪᓗᑎᒃ ᐱᔾᔪᑎᒋᔭᖕᒋᑦ ᑕᐃᒪᓐᓇᐃᓕᔪᑕᐅᓂᖕᒋᓐᓄᑦ, ᐋᖅᑭᒋᐊᖅᓯᔪᑎᑦ ᐊᒻᒪᓗ ᑕᐃᒪᓐᓇᐃᑲᓂᑕᐃᓕᒪᔪᑎᑦ ᐱᓕᕆᒋᐊᕈᑎᖕᒋᑦ, ᐊᒻᒪᓗ ᓄᓇᙱᐊᑎᒍ ᑕᑯᒃᓴᐅᑎᑕᐅᓪᓗᑎᒃ ᓇᒥᐅᖕᒪᖔᑕ ᑯᕕᓂᑯᒥᓃᑦ.

ᖃᓄᐃᑑᓂᖕᒋᓐᓂᑦ A ᐃᒪᓕᕆᓂᕐᒧᑦ ᓚᐃᓴᓐᓯ (2AM-MRY1325) ᐱᔪᓐᓇᖅᑎᑦᑎᕗᖅ ᐅᔭᕋᖕᓂᐊᕐᓂᕐᒧᑦ ᐱᓕᕆᓂᐅᔪᓂᑦ ᒪᓕᒃᓗᑎᒃ ᓄᓇᕗᑦ ᐃᒥᓕᕆᓂᕐᒧᑦ ᒪᓕᒃᑕᐅᕐᑯᔭᐅᔪᓂᑦ ᐊᒻᒪᓗ ᐊᖕᒋᖅᓯᓯᒪᕗᑦ ᐹᕙᓐᓀᓐᑯᓐᓂᑦ ᐊᑐᕐᓂᕐᒥᑦ ᐃᒪᕐᒥᑦ ᐊᒻᒪᓗ

ᕿᒻᒪᑯᓂᑦ ᐃᒋᑕᐅᔪᓂᑦ ᐱᔾᔪᑎᓕᖕᓂ ᓇᐸᐸᖅᑎᕆᓂᕐᒧᑦ, ᐊᐅᓚᑕᐅᓂᖕᒐᓄᑦ, ᒪᑐᓯᕙᓪᓕᐊᓂᕐᒧᑦ ᐊᒻᒪᓗ ᓄᓇ ᖃᓄᐃᓐᓂᕆᓚᐅᖅᑕᖕᒐᓄᑦ ᐅᑎᖅᑎᑦᑐᓐᓇᕐᓂᖅ ᐅᔭᕋᖕᓂᐊᒐᒃᓴᖅ ᓈᓴᐅᑎᓕᖕᒥᑦ 1–ᒥᑦ ᓴᕕᕋᔭᒃᓴᒥᒃ ᐅᔭᕋᖕᓂᐊᕐᕕᖕᒐᓂᑦ, ᐱᔪᓐᓇᖅᑎᑕᐅᓪᓗᓂ ᐅᕙᓂ ᐃᓚᒋᐊᕈᑕᐅᓂᖕᒐᓂ ᓄᓇᕗᑦ ᐊᒃᑐᖅᑕᐅᓂᖕᒋᓐᓂᑦ ᕿᒥᕐᕈᔨᑦ ᑲᑎᒪᔨᖕᒋᑦ ᐱᓕᕆᐊᖑᔪᖅ ᓇᓗᓇᐃᑯᑕᖕᒐᓄᑦ ᓈᓴᐅᑎᓕᖕᒥᑦ 005–ᒥᑦ. ᐃᓚᒋᒃᑲᓐᓂᕐᓗᓂᐅᒃ, ᓇᓕᖅᑲᕐᑯᑎ ᑮᓇᐅᔭᓕᐅᕋᓱᕐᓂᕐᒧᑦ ᐊᑭᓕᖅᓱᒐᕐᑯᑎ ᓈᓴᐅᑎᓕᒃ Q13C301 ᕿᑭᒃᑕᓂ ᑲᑐᔾᔨᖅᑲᑎᒋᑦ ᐃᓄᖕᓄᑦ ᓇᖕᒥᓂᖕᒋᓐᓂ ᓄᓇᓂ (IOL) ᓯᑎᐱᓇ 6, 2013-ᒥ ᐱᔭᐅᑎᑦᑎᓚᐅᕐᒪᑕ ᑐᙵᕕᐅᔪᒥᒃ ᐱᓕᕆᔪᑕᐅᔪᓂᒃ ᐱᓕᕆᔪᓐᓇᖅᑎᑦᑎᔪᑕᐅᓪᓗᑎᒃ ᐅᑯᑎᒎᓇ ᓴᓇᔭᒃᓴᑦ ᓇᓗᓇᐃᑯᑕᖕᒐᒍᑦ ᐱᓕᕆᔪᓐᓇᕐᑯᓗᒋᑦ ᐃᓄᖕᓄᑦ ᓇᖕᒥᓂᕆᔭᖕᒋᓐᓂ ᓄᓇᓂ 2014-ᒥ. ᐊᑐᖅᑎᓪᓗᒍ 2015, ᓄᓘᔭᖕᓂ ᓴᓇᔭᒃᓴᑦ ᑕᒪᕐᒥᒃ ᐃᒡᓗᓕᐅᕐᓂᕐᒥᒃ ᓴᓇᑎᓪᓗᒋᑦ ᐊᒻᒪᓗ ᐊᐅᓚᓂᖕᒋᓂᑦ ᐱᓕᕆᑎᓪᓗᒋᑦ ᑲᔪᓯᑎᓪᓗᒍ ᐅᔭᕋᒃᓂᐊᕐᓂ, ᓯᕐᑯᓪᓗᐃᓂᖅ, ᐊᒻᒪᓗ ᓴᕕᕋᔭᒃᓴᓂᒃ ᐅᓯᖅᑲᑦᑕᖅᑐᖅᑲᑎᓗᒍ.

ᐱᓕᕆᐊᖑᐃᓐᓇᖅᑎᓗᒋᑦ ᐊᕙᑎᓕᕆᓂᕐᒥ ᑕᖅᑳᓂ, ᓴᓇᔭᒃᓴᓕᕆᓂᕐᒥᒃ ᖃᐅᔨᓇᓱᐊᕐᓂᖅ, ᐱᓕᕆᐊᖃᕐᓗᓂ ᐱᓕᕆᐊᖑᓪᓗᐊᑕᓱᓂᒃ ᐊᒻᒪᓗ ᓴᓇᔭᒃᓴᓕᐅᕐᓂᕐᒥ ᖃᐅᔨᒪᔪᑎᒃᓴᑦ ᓄᐊᑕᐅᓯᒪᔪᑦ ᐱᓕᕆᐊᖑᓚᐅᕐᒪᑕ 2015-ᖑᑎᓗᒍ ᒪᓕᒃᑕᐅᓪᓗᑎᒃ ᐱᓕᕆᐊᖑᓂᐊᖅᓯᒪᔪᑦ ᐋᖅᑭᒃᑕᐅᓚᐅᖅᑐᑦ ᐱᒋᐊᓕᕋᑖᕐᓂᖕᒐᓂ ᑮᓇᐅᔭᓕᐅᕐᓂᐅᑉ ᐱᓕᕆᐊᖑᓂᖕᒐ, ᐊᒻᒪᓗ ᑕᖅᑳᓂ ᐊᕙᑎᐅᑉ ᐊᒃᑐᖅᑕᐅᓂᖕᒐᓂ ᑎᑎᕋᒃᓯᒪᔪᑦ (FEIS) ᐊᖏᖅᑕᐅᓯᒪᓪᓗᑎᒃ ᓴᓇᔭᒃᓴᑦ ᓇᓗᓇᐃᑯᑕᖕᒋᑎᒍ.

ᐊᓯᖕᒋᓐᓂ ᓄᓇᐃᑦ ᐱᒻᒪᕆᐅᔪᓂ ᐊᑐᖅᑎᓗᒍ 2015 ᐱᖃᓯᐅᔨᓯᒪᕗᑦ ᑕᐃᒪᖕᒐᓕᒫᖅ ᒪᓕᑦᑎᐊᕐᓗᑎᒃ ᐊᑐᖅᑕᐅᔭᕆᐊᓕᖕᓂᒃ ᒪᓕᒃᑕᐅᕐᑯᔭᐅᔪᓂ ᐱᓕᕆᔪᓐᓇᐅᑎᓂ ᐱᖃᓯᐅᑎᓪᓗᒋᑦ ᐱᓕᕆᐊᖑᐃᓐᓇᕐᓗᑎᒃ ᐱᕙᓪᓕᐊᓂᖃᑦᑎᐊᖅᑐᑦ ᐃᓕᕐᑯᓯᕆᓚᐅᖅᑕᖕᒐᓄᑦ ᐅᑎᖅᑎᑎᕆᓂᖅ ᓄᓇᓂᒃ ᒫᓐᓇ ᐊᒻᒪᓗ ᑕᐃᑦᓯᒪᓂ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᓂᒃ ᑐᕋᖕᒐᔪᓂᒃ ᑕᐃᑦᓯᒪᓂ ᕿᓇᔭᒃᑐᖅᑲᓚᐅᕐᓂᖕᒐᓄᑦ ᐊᒻᒪᓗ ᐃᓗᐃᑳᐅᓇᖅᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᒐᒃᓴᓕᐅᕐᓂᕐᒥᒃ ᐱᓕᕆᐊᒃᓴᓂᑦ. 2015-ᒥ ᐊᕙᑎᓕᕆᓂᕐᒥ ᐊᒻᒪᓗ ᓴᓇᔭᒃᓴᓕᐅᕐᓂᕐᒥᒃ ᖃᐅᔨᓇᓱᐊᕐᓃᑦ ᓄᓇᓂ ᐱᓕᕆᐊᒃᓴᑦ ᐱᔭᕆᒃᑕᐅᓚᐅᖅᐳᑦ ᐅᐱᕐᖓᖑᓯᖕᒐᖅᑎᓪᓗᒍ ᐊᒻᒪᓗ ᓯᑯᖃᒃᑎᓐᓇᒍ ᐊᐅᔭᖕᒐᓂ (ᒪᐃ ᑎᑭᓗᒍ ᓯᑎᐱᓇ).

ᓇᓗᓇᐃᔭᖅᓯᒪᔪᑦ ᓇᓪᓕᐊᖑᓂᖕᒋᑕ ᐱᓕᕆᓂᐅᔪᑦ ᑐᕋᖕᒐᔪᑦ ᓴᓇᔭᒃᓴᒧᑦ ᐱᔭᕆᒃᑕᐅᓚᐅᕐᒪᑕ ᐅᑯᑎᒎᓇ ᖃᓄᐃᑦᑑᓂᖕᒐ A ᐃᒪᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ 2AM-MRY1325 – ᐋᖅᑭᒋᐊᕈᑎ ᓈᓴᐅᑎᖕᒐ 1 ᐊᒻᒪᓗ ᕿᑭᖅᑕᓃᑯᓐᓂ ᐊᕙᓕᖅᓱᒐᕐᑯᑎ ᓈᓴᐅᑎᖕᒐ. Q13C301, ᓴᖅᑭᑕᐅᔪᖅ ᓄᓇᓕᖅᑲᕐᕕᐅᔪᒥ ᐊᒻᒪᓗ ᐅᖃᒃᓯᒪᓂᖕᒋᓐᓂ ᐱᓕᕆᓂᐅᔪᑦ ᑕᑯᔭᒃᓴᐅᑎᑕᐅᕗᑦ ᑕᐅᓇᓂ ᐊᑖᓂ.

<u>ᓄᓘᔾᕐᓂ ᐅᔭᕋᖕᓂᐊᖅᕕᒃ</u>

ᓄᓘᔭᕐᓂ ᐅᔭᕋᖕᓂᐊᕐᕕᒃ ᐃᓂᕆᔭᐅᔪᒥᑦ, ᐱᓕᕆᐊᖑᓪᓚᕆᒃᑐᖅ ᖃᓄᐃᓕᐅᕐᓂᓂᑦ ᐃᓚᖃᖅᐳᑦ:

- ᐅᔭᕋᒃᓂᐊᕐᓂᖅ ᓴᕕᕋᔭᒃᓴᖅᑕᓕᖕᒥ ᓈᓴᐅᑎᖕᒐ 1 ᐊᒻᒪᓗ ᓯᕐᑯᑦᑎᕈᕕᒃ ᐊᒻᒪᓗ ᓄᐊᑦᑎᕕᒃ ᓴᕕᕋᔭᒃᓴᒥᒃ ᑕᐃᑲᓂ ᓴᕕᕋᔭᒃᓴᒥᒃ ᓯᕐᑯᑦᑎᕈᕕᖕᒥ ᐃᓂᒋᔭᐅᔪᒥ;
- ᐋᖅᑭᐅᒪᑎᑦᑎᓂᖅ ᓴᕕᕋᔭᒃᓴᖅᑕᓕᖕᒥ ᓈᓴᐅᑎᖕᒐ 1 ᐅᔭᕋᒃᓂᐊᕐᓂᕐᒥ ᐅᓯᖅᑲᑦᑕᕐᕕᐅᑉ ᐊᖅᑯᑎᖕᒐ ᐱᔭᕐᓂᖅᓯᑎᑦᑎᔪᑕᐅᔪᖅ ᐃᓗᓕᐅᖅᓯᒪᔪᒥᒃ ᐱᕙᓪᓕᐊᑎᑦᑎᓂᕐᒧᑦ ᐊᒻᒪᓗ ᐅᔭᕋᒃᓂᐊᕐᓂᕐᒧᑦ;
- ᓴᓇᔭᐅᓯᒪᔪᖅ, ᐃᓕᔭᐅᓯᒪᔪᖅ ᐊᒻᒪᓗ ᓯᐊᒻᒪᖅᑎᑦᑎᕕᐅᓯᒪᓪᓗᓂ ᐊᑐᖅᑕᐅᖕᒋᓐᓂᑯᓄᑦ ᐅᔭᖅᑲᓂᒃ ᐅᓯᖅᑲᑦᑕᕐᓂᕐᒧᑦ ᐊᖅᑯᑎᖕᒐᓄᑦ, ᐊᑐᖅᑕᐅᖕᒋᑦᑐᑦ ᐅᔭᖅᑲᑦ ᓄᐊᑕᐅᕕᖕᒐ ᐃᓕᐅᖅᑲᐃᕕᒃ, ᑰᒃᕕᑦ ᐊᖅᑯᑎᐅᑉ ᓯᓚᑖᓂ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᑲᐃᓐᓇᑐᐃᓐᓇᖅᑐᐅᑉ ᐊᑐᖅᑕᐅᖕᒋᑦᑐᓄᑦ ᐅᔭᖅᑲᓄᑦ ᓄᐊᑦᑎᕕᒃ ᐃᒪᕐᑯᕈᓗᒃ;
- ᑕᐃᒪᖕᒐᓕᒫᖅ ᐱᐅᓂᖅᓯᐅᓂᖅ ᒪᒃᑯᓂᖕᒐᓪᓗᐊᑕᖅ ᐅᔭᖅᑲᓂᒃ ᐱᓯᒪᔪᓂᒃ ᐊᐃᒃᓯᕋᕐᕕᖕᒥ QMR2 ᐊᒻᒪᓗ ᐊᓯᖕᒋᓐᓂ ᓄᓇᓂ ᑕᐃᒃᑯᓇᓂ ᐱᔪᓐᓇᖅᓯᑎᑕᐅᓯᒪᔪᓂ ᕿᑭᖅᑕᓃᑯᓐᓂᑦ ᑰᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒧᑦ ᐊᑭᓕᖅᓱᒐᕐᑯᑎᒥ;

- ᐃᖏᕋᐃᓐᓇᖅᑐᒥ ᑐᖅᑯᖅᓯᕙᓪᓕᐊᓂᖓᓂ ᐊᑦᑕᓇᖏᑦᑐᓄᑦ ᐊᑦᑕᖅᑕᐅᔪᓂᑦ ᓴᓇᔭᐅᓯᒪᔪᒧᑦ ᐊᒃᑕᕐᕕᒃ ᐅᔭᕋᖕᓂᐊᕐᕕᐅᑉ ᐃᓂᕆᔭᐅᔪᒥᑦ ᒪᓕᒃᑐᒍ ᒫᓐᓇᐅᔪᒥᑦ ᒪᓕᒐᒃᓴᓂᑦ;
- ᑕᐃᒪᙱᓕᒫᖅ ᓴᓇᔭᐅᔪᓂ, ᐃᓕᔭᐅᔪᓂ ᐊᒻᒪᓗ ᐱᓕᕆᕐᑯᔨᔪᑎᓂ ᓴᓇᔭᒃᓴᒥᑦ ᓴᓇᓯᒪᓂᖓᓂ, ᐱᖃᓯᐅᑎᓗᒋᑦ:
  - ᐋᖅᑭᐅᒪᑎᑦᑎᓂᕐᒧᑦ ᓴᓇᕕᒃ, ᐅᔭᕋᒃᓂᐊᕐᕕᖕᒥ ᓴᓇᕕᕐᑯᑎ ᐃᒡᓗ, ᓯᕐᓗᐊᖅ, ᐃᒋᑕᐅᔪᓄᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐃᒡᓗᕐᑯᑏᑦ, ᓄᓇᓯᐅᑎᕐᔪᐊᓂᒃ ᓴᓗᒪᖅᓴᐃᕕᒃ, ᓄᓇᓯᐅᑎᕐᔪᐊᓂᒃ ᐅᕐᑯᒪᐃᓐᓂᖅᓯᐅᓇᕕᒃ ᐅᕐᑯᒪᐃᓂᕐᓂᐊᕈᑎ, ᐋᖅᑭᐅᒪᑎᑦᑎᓂᕐᒧᑦ ᐃᒡᓗᕐᑯᑎ ᐊᐅᖅᑭᕕᒃ ᐊᒻᒪᓗ ᓯᕐᓗᐊᖅ, ᐊᒡᓚᒡᕕᑦ/ᓴᓗᒪᖅᓴᐃᕕᒃ ᓄᓇᓯᐅᑎᓂᒃ, ᓯᕐᑯᓗᐃᕕᒃ ᓄᐊᓯᒪᔪᓄᑦ ᕿᑲᖅᑎᑦᑎᕕᒃ ᐃᒪᖅᑯᕈᓗᒃ, ᐊᒻᒪᓗ ᐅᐋᔭᖅᑲᐅᑎᓄᑦ ᓯᐊᒻᒪᖅᓯᒪᕕᒃ ᐃᒡᓗᕐᑯᑏᑦ.
- ᐋᖅᑭᒃᑕᐅᓂᖏᓐᓄᑦ ᐅᑯᐊᒃ 2 – 50,000 ᖃᓪᓗᑎᑦ ᓱᐱᔪᒧᑦ-A ᐅᖅᓱᒃᓴᑦ ᐅᖅᓱᖃᐅᑎᐊᓗᒃ ᖃᖓᑕᓱᒃᑯᕕᖓᑕ ᓴᖑᕕᖓᓂ;
- ᐱᔭᕆᒃᑕᐅᓪᓗᓂ ᓄᓇᓕᕆᐊᖑᔪᖅ ᐊᖏᒡᓕᒋᐊᖅᑕᐅᓗᓂ ᓯᕐᑯᑦᑎᕆᔪᑎᐅᑉ ᐃᓂᖓ ᐱᕕᖃᓕᒃᑲᓐᓂᕐᑯᓪᓗᒍ ᐃᓕᓯᒪᕕᖓ ᐊᔾᔨᒌᓕᖅᑎᑦᑎᓂᕐᒧᑦ ᐊᐅᓚᔪᑏᑦ ᐃᓂᖃᓕᖅᑎᑕᐅᕐᑯᓪᓗᒍ ᐱᖓᔪᒋᔭᐅᔪᖅ ᓯᕐᑯᓪᓗᐃᔪᑎ ᐃᓗᓪᓕᖅᓯᐃᕙᓪᓕᐊᕕᖓ;
- ᐱᓕᕆᐊᖑᐃᓐᓇᖅᑐᑦ ᐊᑐᖅᑕᐅᔾᔪᓐᓃᖅᑐᓄᑦ ᐊᒻᒪᓗ ᑕᐃᒪᙱᓕᒫᖅ ᐃᓕᖅᑯᓯᕆᓚᐅᖅᑕᖓᑎᑑᓕᖅᑎᑦᑎᓃᑦ ᑕᐃᒪᓐᓇᐅᔭᕆᐊᖃᕐᓂᖏᓐᓄᑦ ᒪᑯᓄᖓ ᐃᓗᐃᒃᑲᑦ ᐅᖅᓱᒃᓴᑦ ᐃᒪᖃᐅᑎᐊᓗᐃᑦ ᐃᓂᖏᓐᓃᓗᑎᒃ ᐊᒻᒪᓗ ᐊᓯᖏᑦ ᐃᒋᑕᐅᔪᑦ ᑐᖅᑯᐃᕕᑦ ᓄᓇᑦ ᓴᓇᔭᐅᔪᑦ ᐊᒻᒪᓗ ᐊᑐᕋᒃᓴᐅᓕᖅᑎᑕᐅᓪᓗᑎᒃ ᕿᓇᔭᒃᑐᖃᒃᑎᓪᓗᒍ ᐱᓕᕆᐊᖑᓯᒪᔪᑦ ᐊᐅᓚᔪᑎᓕᕆᑎᓪᓗᒋᑦ.

ᐅᓯᖃᑦᑕᕐᕕᒃ ᐊᖅᑯᑎ

ᖃᓄᐃᓕᐅᕐᓂᒻᒪᕆᐅᔪᑦᑦ ᐱᓕᕆᐊᖑᔪᑦ 2015–ᒥᑦ ᐃᓚᖃᓚᐅᖅᐳᑦ ᐅᓯᒃᑕᕐᓂᕐᒥ ᓴᕕᕋᔭᒃᓴᔭᒥᒃ ᐅᓯᖃᑦᑕᕐᕕᐅᑉ ᐊᖅᑯᑎᖓᓂᑦ ᓄᓘᔭᕐᓂ ᐅᔭᕋᖕᓂᐊᕐᕕᖕᒥᑦ ᐃᓂᕆᔭᐅᔪᒥᑦ ᕿᖖᒍᐊᓂ ᑐᓚᒃᑕᕐᕕᒃᓄᑦ ᐱᖑᓕᐊᖑᓯᒪᔪᖅ ᑲᑎᖅᓱᖅᓴᑕᐅᓯᒪᔪᒥᑦ ᐊᒻᒪᓗ ᐅᓯᒃᑲᖅᑕᐅᓂᖓᓂ ᐅᖅᓱᐊᓗᖕᒥ ᐊᒻᒪᓗ ᐊᓯᖏᓐᓂ ᑭᓯᑐᐃᓐᓇᓂ ᐃᑲᔪᖅᓯᐃᓂᕐᒧᑦ ᐱᓕᕆᐊᖑᔪᓄᑦ ᐊᐅᓚᑕᐅᔪᓂᑦ ᐊᒻᒪᓗ ᓇᐸᖅᑎᕆᓂᕐᒧᑦ.

ᐱᐅᓯᒋᐊᖅᑎᑕᐅᓚᐅᕐᒪᑦ ᐅᓯᖃᑦᑕᕐᓂᕐᒧᑦ ᐊᖅᑯᑎ ᐊᑐᖅᑕᐅᑦᑎᐊᕐᑯᓗᒍ ᒪᓕᒃᑕᐅᔭᕆᐊᓕᒃ ᐅᔭᕋᒃᓂᐊᕐᕕᒃ ᖃᓂᒪᓇᖃᕐᑯᓇᒍ ᐊᑦᑕᕐᓇᖅᑐᖃᖏᓪᓗᓂᓗ ᒪᓕᒐᖅ ᐊᒻᒪᓗ ᒪᓕᒃᑕᐅᔭᕆᐊᓕᒃ, ᒪᑯᐊᓗᐊᑕᖅ:

- ᑲᑎᖅᓱᐃᓂᒃᑯᑦ ᐊᒻᒪᓗ ᓯᓕᒃᓯᒋᐊᕐᓂᕐᒥᑦ ᐊᖅᑯᑎᐅᑉ ᑐᙵᕕᐊᓂ, ᐋᖅᑭᑦᑎᐊᖅᓯᒪᓂᐅᔪᒧᑦ ᐊᖅᑯᑎᒥᑦ ᑐᑭᓕᐊᖅᓯᑎᑕᐅᓇᓱᐊᕐᓂᖓᓄᑦ, ᐋᖅᑭᒋᐊᕈᑕᐅᔪᒥᑦ ᐊᖅᑯᑎᐅᑉ ᐱᐅᓂᖓᓂ ᐱᔭᕆᐊᖃᕐᖓᑦ, ᐊᒻᒪᓗ ᐃᖏᕋᐃᓐᓇᖅᑐᒥᑦ ᐊᒃᓱᕈᕈᑕᐅᔪᓂᑦ ᒥᒃᓵᒋᐊᖅᑎᑦᑎᓂᕐᒧᑦ ᐅᓗᕆᐊᓇᕐᓂᖓᓂ ᑰᒐᓚᑦ ᐃᑳᕈᑎᓂᑦ ᐊᑐᓕᖅᑎᑦᑎᓂᕐᒧᑦ ᐊᐅᖕᓂᐅᔪᒥᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎᒥᑦ.
- ᐃᓕᓯᓂᖅ 9-ᓂᒃ ᑰᒐᖕᓂᑦ ᓄᓇᓂ ᑕᐃᒃᑯᓇᓂ ᐊᖅᑯᑏᑦ ᑐᑭᓕᐊᖅᓯᑎᑕᐅᒋᐊᓂᖏᓐᓂ ᐅᕝᕙᓗᓂᑦ ᓯᓕᒃᓯᒋᐊᖅᑕᐅᓂᖏᓐᓂ.

- ᑲᔪᓯᔪᒥᒃ ᐱᕙᓪᓕᐊᑎᑕᐅᖏᓐᓇᕐᓂᖓ ᐃᓗᓕᐅᕆᓂᖅ P1. ᐱᒋᐊᖅᑎᑕᐅᓯᒪᔪᑦ ᐱᕙᓪᓕᐊᑎᑕᐅᓂᖓ ᐅᖓᓯᒡᓂᓕᒃ ᑲᓛᒥᑐ 2-ᒥᒃ ᐊᒻᒪᓗ ᑲᓛᒥᑐ 97-ᒥᑦ ᐃᓗᓕᐅᖅᓯᒪᔪᓂᑦ (ᐃᓂᖅᑲᕐᓗᑎᑦ ᖃᓂᒋᔾᔭᓂ ᑲᓛᒥᑐ 2-ᒥᒃ ᐊᒻᒪᓗ 97-ᒥᑦ ᐅᓯᖅᑲᑦᑕᕐᕕᒃ ᐊᖅᑯᑎ), ᐃᓚᒋᒃᑲᓐᓂᕐᓗᓂᐅᒃ ᑲᔪᓯᑎᑕᐅᔪᑦ ᐱᕙᓪᓕᐊᑎᑕᐅᓪᓗᑎᒃ ᐊᓯᖏᑦ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ ᐊᐃᒃᓯᕋᕐᕕᑦ ᐊᒻᒪᓗ ᐃᓗᓕᐅᖅᓯᒪᔪᑦ ᐅᓯᕕᐅᔭᖅᑐᖅᐸᒃᑐᑦ ᐱᔭᐅᔪᓐᓇᖅᓯᕐᑯᓗᒋᑦ ᑲᑎᖅᓱᖅᓯᒪᔪᑦ ᓴᓇᒋᐊᖅᓯᔪᑎᒃᓴᐃᑦ ᐊᒻᒪᓗ ᓯᐅᕋᒃ ᐅᑭᐅᒃᑯᑦ ᓯᐅᕋᒃᑎᕆᔪᑕᐅᔪᓐᓇᕐᑯᓗᒍ, ᐊᒃᓲᓗᐊᖏᑦᑐᓄᑦ ᓇᖓᖅᑎᕆᐊᓕᖕᓄᑦ, ᐊᒻᒪᓗ ᐋᖅᑭᐅᒪᑎᑦᑎᔪᑕᐅᓗᓂ ᐊᒻᒪᓗ ᐊᓯᖏᓐᓄᑦ ᐊᖏᖅᑕᐅᓯᒪᔪᓄᑦ ᓴᓇᒋᐊᖅᓯᔪᑕᐅᔪᓐᓇᕐᓗᓂ ᓴᓇᔭᒃᓴᓄᑦ.

ᐱᕙᓪᓕᐊᑎᑦᑎᓂᖅ ᓄᖅᑲᖓᑲᐃᓐᓇᕕᖕᓂᑦ ᐊᒻᒪᓗ ᐅᕐᑯᒪᐃᓗᐊᖏᑦᑐᓕᕆᔪᑎᑦ ᓄᓇᓯᐅᑎᓂᑦ ᐋᖅᑭᐅᒪᑎᑦᑎᕕᐅᓗᑎᒃ ᓄᖅᑲᒃᑕᕐᕕᐅᓗᑎᒃ ᑲᓛᒥᑐ 60-ᒥ ᐊᑑᑎᖅᑲᕐᓂᐊᕐᓗᑎᒃ ᓯᕗᓂᒃᓴᒥ ᐋᖅᑭᐅᒪᑎᑦᑎᓂᕐᒧᑦ ᐱᓕᕆᕕᐅᓂᕐᒥᒃ ᓱᕐᓗ ᒪᑯᓄᖓ ᐊᒃᓴᑑᔪᑦ ᐊᓯᔾᔨᖅᑕᐅᕕᒋᓗᓂᒋᑦ, ᐸᑕᐅᔭᖅᑎᕆᕕᐅᓗᑎᒃ ᐊᒻᒪᓗ ᐅᖅᓱᖅᑎᕈᑎᖏᓐᓂᑦ ᐊᓯᔾᔨᖅᓯᕕᐅᓗᑎᒃ. ᐃᓚᒋᒃᑲᓐᓂᕐᓗᓂᐅᒃ, ᓄᖅᑲᖓᑲᐃᓐᓇᕐᕕᑦ ᓄᓇ, ᖃᓂᒋᔭᑦᑎᐊᖓᓃᑦᑐᑦ ᐅᓯᖅᑲᑦᑕᕐᕕᒃ ᐊᖅᑯᑎᐅᑉ, ᓴᓇᔭᐅᓚᐅᖅᐳᖅ ᑐᖅᑯᐃᕕᐅᔪᓐᓇᕐᑯᓗᒍ ᑕᕆᐅᖅᑎᕈᑎ ᖁᐊᓴᐅᔭᐃᑯᑎᒥᒃ (AN) ᐊᒻᒪᓗ ᐱᓕᕆᔪᑎᓄᑦ ᐋᖅᑭᒃᓯᒪᑦᑎᐊᓕᖅᑎᑦᑎᕕᐅᓗᓂ. ᖃᐅᔨᒋᐊᑲᓐᓂᖃᑦᑕᕐᓂᖅ ᐅᔾᔨᖅᓴᐃᓂᕐᒧᑦ ᖃᓄᐃᓕᐅᕐᓂᓂᑦ ᐱᓕᕆᐊᖑᓚᐅᖅᐳᑦ ᐱᔭᕆᐊᖃᕐᓂᖓᓂ ᐅᖃᒃᓯᒪᓂᖏᓐᓄᑦ ᐃᖃᓗᓕᕆᔨᒃᑯᑦ ᐊᔪᕈᓐᓃᖅᑎᑦᑎᓂᖓᓂ ᐅᓯᖃᑦᑕᕐᕕᑦ ᐊᖅᑯᑎᖓᓄᑦ ᐆᒪᔪᑦ ᐃᓂᖏᓐᓂᒃ ᑭᖑᕝᕕᖅᑎᕆᓂᖅ ᐊᒻᒪᓗ ᐅᔾᔨᖅᓴᐃᓂᕐᒧᑦ ᐱᓕᕆᐊᒃᓴᑦ, ᕿᑭᖅᑖᓗᖕᒥ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖃᑎᒌᖏᓐᓂᑦ ᐊᑐᖅᑐᐊᕐᓕᕐᓂᑦ, ᐊᒻᒪᓗ ᐃᓄᓕᕆᔨᑐᖃᒃᑯᑦ ᐊᑐᕐᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎ).

ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓ

ᐱᓕᕆᐊᖑᓪᓚᕆᒃᑐᑦ ᖃᓄᐃᓕᐅᕐᓃᑦ ᐊᒻᒪᓗ ᐅᔾᔨᖅᓴᐃᓂᖅ ᕿᙵᐊᓂ ᑐᓚᒃᑕᕐᕕᖓᓂ 2015–ᒥᑦ ᐃᓚᖃᓚᐅᖅᐳᑦ:

- ᓄᐊᑦᑎᕕᒃ ᑲᑎᑕᐅᓯᒪᓗᑎᒃ ᓴᕕᕋᔭᒃᓴᑦ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓂ ᓴᕕᕋᔭᒃᓴᑦ ᓄᐊᑎᕕᒃ ᑲᑎᑕᐅᓯᒪᓗᑎᒃ ᓯᕗᓂᖓᓂ ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑎᑕᐅᔪᒫᖅᑎᓗᒋᑦ ᐊᐅᓚᑦᑎᓂᕐᒥ ᓱᑯᖃᒃᑎᓐᓇᒍ ᐊᐅᔭᖓᓂ 2016-ᒥ.
- ᐱᓕᕆᐊᖑᐃᓐᓇᕐᑐᖅ ᐱᐅᓂᖅᓯᐅᕆᓂᖅ ᓂᓚᒃ ᐅᔭᖅᑲᓂᓪᓗ ᐊᐃᒃᓯᕋᕐᕕᖕᒥᑦ Q1 ᐱᓕᕆᔪᓐᓇᖅᓯᑎᑕᐅᓯᒪᔪᖅ ᕿᑭᖅᑕᓃᒃᑯᓐᓂᑦ ᐅᑯᑎᒎᓇ ᑮᓇᐅᔭᓕᐅᕋᓱᐊᕐᓂᕐᒧᑦ ᐊᑭᓕᖅᓱᒐᕐᑯᑎᒥ.
- ᑕᕆᐅᑉ ᐃᒪᖓᓂ ᑯᕕᔪᒃᑲᕐᓂᖅᐸᑦ ᓯᐊᒪᖅᑎᑦᑎᑕᐃᓕᒪᓂᕐᒧᑦ ᐊᔪᕈᓐᓃᖅᓴᓂᕐᒥᑦ ᐃᓕᓐᓂᐊᖅᑎᑦᑎᓗᑎᒃ ᐹᕙᓐᑑᓐᑯᑦ ᑐᐊᕕᕐᓇᖅᑐᓕᕆᓂᕐᒥᒃ ᐱᓕᕆᒋᐊᑎᑦ ᐱᓕᕆᖅᑎᒌᒃᑎᓂᒃ (ERT) ᐃᓚᒋᔭᐅᔪᑦ ᕿᖑᓂᖓᓂ ᐅᖅᓱᒃᓴᓂᒃ ᑎᑭᐅᔨᔪᖅᑲᓚᐅᖅᑎᓗᒍ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓄᑦ ᒪᑯᑎᒎᓇ ᑲᑎᑕᐅᓯᒪᓗᑎᒃ ᐃᓕᓴᕕᒋᔭᐅᔪᑦ ᐅᖃᓪᓚᐅᔨᕕᐅᓗᑎᒃ, ᑕᖅᑳᓂ ᐊᔪᕈᓐᓃᖅᓴᓪᓗᑎᒃ, ᐊᒻᒪᓗ ᐱᓕᕆᔪᑎᒋᔪᓐᓇᖅᑕᖏᓐᓂᑦ ᑲᑎᒪᔪᑎᖃᕐᓗᑎᒃ.
- ᓇᑉᐸᖅᑎᕆᓂᖅ ᐊᒻᒪᓗ ᐊᑐᓕᖅᑎᕆᓂᖅ ᖃᖓᓃᑐᓂᒃ ᓄᓇᓖᑦ ᐊᑐᖅᐸᒃᑕᖏᑦ ᐊᐅᓚᔪᓐᓇᕐᑯᓪᓗᒋᑦ ᐃᓚᖃᓚᐅᖅᐳᑦ:
  - ᐱᔭᕇᒃᑕᐅᓗᓂ ᓴᓇᔭᐅᓂᖓ ᓴᕕᕋᔭᒃᓴᓂᒃ ᓄᐊᑦᑎᕕᐅᑉ ᐃᓂᖓ ᐊᒻᒪᓗ ᑐᕋᖓᔪᑦ ᕿᑲᖅᑎᑦᑎᕕᒃ ᐃᒪᖅᑯᕈᓗᖕᒧᑦ, ᓴᕕᕋᔭᒃᓴᓂᒃ ᐅᑎᖅᑎᑦᑎᕕᒃ ᕿᓗᐊᖑᔭᒃᑰᑖᒃᑰᖅᑎᑦᑎᕕᒃ, ᐅᒥᐊᕐᔪᐊᒥᒃ ᐅᓯᓕᖅᓱᐃᔪᑎᑦ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᖏᓐᓇᕐᓂᐊᓕᕐᓗᓂ ᓴᕕᕋᔭᒃᓴᓂᒃ ᐅᓯᓕᖅᓱᐃᕕᒃ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᒥ.
  - ᐱᓕᕆᐊᖑᓕᕐᓗᓂ ᐋᖅᑭᒃᓯᖅᑕᐅᓗᓂᖅ 50,000 ᖃᓪᓗᑎᓂᒃ ᐅᖅᓱᖃᐅᑎᐊᓗᒃ ᐅᖅᓴᒃᓴᓂᒃ ᐅᖅᓴᕕᒃᓴᐅᓗᓂ ᐃᓂᒋᔭᐅᓗᓂ ᐊᑐᖅᑕᐅᖃᑦᑕᕐᓂᐊᕐᓗᓂ ᓴᕕᕋᔭᒃᓴᓂᒃ ᐅᓯᔪᑎᓄᑦ ᓄᓇᓯᐅᑎᕐᔪᐊᓄᑦ (OHTs).

ᐊᑐᖅᑕᐅᔾᔪᓐᓃᓗᓂ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓ ᓄᓇ ᓴᓇᕕᒃ ᐱᓕᕆᔪᑎᓄᑦ ᐆᒻᒪᕐᑯᑎᖃᕐᕕᒃ ᐱᒋᐊᓚᐅᖅᓯᒪᔪᖅ 2015-ᖑᑎᓪᓗᒍ ᐊᒻᒪᓗ ᐱᓕᕆᐊᖑᑎᕐᑎᓚᐅᕐᒪᑦ ᐲᖅᑕᐅᓂᖏᓐᓂᑦ 10 ᑲᓐᑐᕋᒃᑎᑦ ᑲᓕᒐᕐᑯᓂᒃ/ᐊᐅᓪᓚᖅᑎᕐᑎᔪᑎᓂᑦ ᑭᒃᑑᕐᓇᓂᒃ (ᐅᒥᐊᕐᔪᐊᒃᑯᑦ ᐳᕆᔭᐅᓯᑦ), ᐊᑕᐅᓯᖅ ᑲᓐᑐᕋᒃᑎᓄᑦ ᓄᓇᖃᕐᕕᐅᔪᒥᒃ (ᓵᓐᑯ), ᑲᓐᑐᕋᒃᑎᐅᓚᐅᖅᓯᒪᔪᕐᓗ (ᓄᓇ) ᓴᓇᕕᒃ ᐊᒻᒪᓗ ᒪᕐᕉᒃ ᐅᖅᓱᐊᓗᒃᑐᖅᑐᒃ ᖃᐅᒻᒪᕐᑯᑎᕐᑲᒃᑎᕐᑎᔪᑏᒃ. ᐊᑐᖅᑕᐅᔾᔪᓐᓃᖅᑎᕐᑎᓂᖅ ᐱᔭᕇᒃᑕᐅᓚᐅᖅᐳᖅ ᔪᓚᐃᖑᑎᓪᓗᒍ ᑭᖑᓂᖓᒍᑦ ᖃᐅᔨᓇᓱᐊᖅᑕᐅᓚᐅᖅᑐᑦ ᓴᕿᑕᐅᔪᓐᓇᖅᓯᑎᓗᒋᑦ ᓇᓗᓇᐃᖅᑕᐅᓪᓗᑎᒡᓗ ᑲᔪᓯᑦᑎᐊᕐᓂᖏᓂᑦ ᓴᓗᒻᒪᖅᓴᖅᑕᐅᓂᖏᑕ ᐊᑐᖅᑕᐅᔾᔪᓐᓃᖅᑐᐅᑉ ᓄᓇ ᓴᓇᕕᐅᑉ ᐊᒻᒪᓗ ᖃᐅᒻᒪᕐᑯᑎᖃᕈᑎᑦ ᑐᒥᖏᑦ, ᐊᒻᒪᓗ ᑕᐃᒃᑯᐊ ᓄᓇᖏᑦ ᓴᓗᒻᒪᖅᑕᐅᓚᐅᕆᓪᓗᑎᒃ ᐱᔭᕇᒃᑕᐅᔾᔪᓐᓇᖅᓯᕐᑯᓗᒍ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᓴᕕᖓ ᓴᕕᕋᔭᒃᓴᓂᒃ ᓄᐊᑦᑎᕕᖓ ᐅᓯᖏᐊᕐᕕᐅᒃ.

ᐃᑭᑦᑐᖃᓚᐅᕐᒪᑦ ᑕᐃᑲᓂ ᓴᕕᕋᔭᓕᕆᕕᒃ ᐋᖅᑭᐅᒪᑎᑦᑎᕕᒃ ᓴᓇᕕᖕᒥ ᐊᑐᖅᑎᓗᒍ ᕕᕗᐊᕆ 2015 ᑕᐃᓐᓇᓗ ᓴᕋᐃᓚᐅᕐᒪᑦ ᐃᒡᓗᕐᔪᐊᒥᒃ ᐊᒻᒪᓗ ᐃᓗᓕᒋᓐᓂᑦ. ᓄᓇ ᑕᐃᓐᓇ ᓴᓗᒻᒪᖅᓯᖅᑕᐅᓚᐅᖅᐳᖅ ᐊᒻᒪᓗ ᐊᑐᕈᓐᓃᖅᑎᑕᐅᓪᓗᓂ ᐊᑐᖅᑎᓗᒍ ᐊᐅᔭᖓ 2015-ᒥ ᐊᐅᓪᓚᖅᑎᑕᐅᓪᓗᑎᒡᓗ ᐅᔭᕋᒡᓂᐊᕐᕕᖕᒥᑦ ᐅᓗᕆᐊᓇᖅᑐᑦ ᓴᑐᐃᓐᓇᐃᑦ, ᐃᒡᓗᓕᐅᖅᑐᓂᑦ ᓴᓇᔭᐅᖏᓐᓂᕐᓗᑯᐃᑦ, ᐊᒻᒪᓗ ᓱᕈᖅᓯᒪᔪᑦ ᐃᑦᔪᑦ ᐃᒋᑕᐅᕐᑯᓗᒋᑦ ᐊᖏᖅᑕᐅᓯᒪᓗᑎᒃ ᐃᒋᑕᐅᕕᖕᒥ ᐃᒋᑕᐅᕕᖓᓂ/ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᓯᑎᑦᑎᕕᖕᒥ ᐱᓕᕆᕕᕐᑯᑎᓂ.

<u>2015 ᐱᓕᕆᐊᖑᔪᖅ ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑐᓂᒃ</u>

2015–ᒥᑦ ᐱᓕᕆᐊᖑᔪᖅ ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑐᓂᒃ ᐱᓕᕆᐊᖑᓚᐅᖅᐳᖅ ᔪᓚᐃ ᐊᒻᒪᓗ ᐅᒃᑐᐱᕆ 2015 ᕿᑎᐊᓂ ᐊᒻᒪᓗ ᐃᓚᖃᓚᐅᖅᐳᖅ ᐅᑯᓂᖓ:

- ᒪᕐᕉᒃ (2) ᐅᒥᐊᕐᔪᐊᒃ ᐅᓯᖃᑦᑕᕈᑏᒃ ᐅᓯᖏᐊᓚᐅᕆᕗᒃ ᓂᕆᔭᒃᓴᓂᒃ, ᐃᒡᓗᒃᓴᓂᒃ, ᐱᓕᕆᔪᑎᓂᒃ ᐊᒻᒪᓗ ᓴᓇᔭᒃᓴᓂᑦ ᐱᔭᐅᔭᕆᐊᓕᖕᓂᑦ ᐱᔭᕇᒃᑕᐅᕐᑯᓪᓗᒋᑦ ᐃᒡᓗᓕᐊᖑᔪᑦ ᐊᒻᒪᓗ ᐊᐅᓚᔪᑎᓂᒃ ᐱᓕᕆᓂᐅᔪᑦ ᓄᓘᔭᑉ ᐅᔭᕋᒡᓂᐊᕐᕕᖓᓂ, ᐅᓯᖃᑦᑕᕐᓗᓂ ᐊᖅᑯᑎᖓ, ᐊᒻᒪᓗ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓂᑦ.
- ᑎᑭᐅᔭᐅᑎᓗᒋᑦ 36.1 ᒥᓕᐊᓐ ᖃᓪᓗᑎᑦ ᐲ-50 ᐅᖅᓱᐊᓗᒃᑐᖅᑐᓄᑦ ᐅᖅᓱᒃᓴᑦ ᐊᒻᒪᓗ 1.95 ᒥᓕᐊᓐ ᖃᓪᓗᑎᑦ ᖃᖓᑕᓲᖅᓯᐅᑎᑦ ᓱᐱᔪᓄᑦ A ᐅᖅᓱᒃᓴᑦ ᒪᑯᑎᒍᓇ ᒪᕐᕉᒃ (2) ᐅᒥᐊᕐᔪᐊᒥᑦ-ᓯᒡᔭᕐᒧᑦ ᐳᒃᑕᓪᓗᓂ ᓱᓪᓗᓕᒃ ᐅᖅᓱᒃᓴᓂᒃ ᐃᒻᒥᖅᓱᐃᔪᑎᖃᕐᓗᓂ ᓯᑎᐱᓇ ᐊᒻᒪᓗ ᐅᑐᐱᓇᐅᑎᓗᒍ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓂ ᐅᖅᓱᖃᐅᑎᐊᓗᖕᓄᑦ ᓴᕕᕋᔭᒡᓄᑦ ᐃᓗᐃᒃᑲᐅᓗᒋᑦ ᐅᖅᓱᒃᓴᑦ ᑐᖅᑯᑕᐅᓚᐅᕆᕗᑦ.
- ᐊᐅᓪᓚᖅᑎᑕᐅᔪᑦ ᐲᖅᑕᐅᓗᑎᒃ-ᐅᔭᕋᒡᓂᐊᕐᕕᖕᒥᑦ ᓇᓕᑐᐃᓇᖕᒋᑦ ᐃᒋᑕᐅᔪᑦ ᐊᒻᒪᓗ ᐅᓗᕆᐊᓇᖅᑐᑦ ᓱᑐᐃᓐᓇᐃᑦ ᐆᖅᑭᑎᑕᐅᓯᒪᔪᑦ ᐊᑐᖅᑎᓗᒋᑦ ᐊᓂᒍᖅᓯᒪᔪᓂ ᐊᕐᕌᒍᓂ (ᐱᖃᓯᐅᑎᓗᒋᑦ ᐃᒋᑕᐅᔪᑦ ᓴᓃᑦ ᓴᕕᕋᔭᓕᕆᕕᐅᑉ ᐃᑭᕝᕕᒥᓂᖓᓂᑦ) ᐃᒋᑕᐅᕐᑯᓗᒋᑦ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ/ᐱᔪᓐᓇᐅᑎᓖᑦ ᓴᓇᕕᕐᑯᑎᖓᓂ ᐅᖅᑯᖕᒑᖓᓂ ᑲᓇᑕᐅᑉ ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑎᑕᐅᓗᑎᒃ ᑐᓚᒃᑕᕐᕕᖕᒨᖅᑕᐅᓗᑎᒃ ᕕᐅᓪᐱᐅᓪᒧᑦ, ᑯᐱᐊᒃᒥ, ᐊᒻᒪᓗ ᑭᖑᓂᑦᑎᐊᖓᒍᑦ ᓄᓇᒃᑯᑦ ᐅᓯᔭᐅᓪᓗᑎᒃ ᐱᓕᕆᐊᖑᕕᒋᓂᐊᖅᑕᖓᓄᑦ ᐃᒋᑕᐅᕐᑯᓗᒋᑦ ᐱᓕᕆᕕᕐᑯᑎᒥ.

<u>2015 ᓴᕕᕋᔭᒃᓴᑦ ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑎᑕᐅᑎᓪᓗᒋᑦ</u>

ᐅᔭᕋᕐᓂᐊᕐᓂᕐᒥ ᐱᓕᕆᓂᐅᔪᑦ ᐊᑐᖅᑎᓗᒍ 2015 ᓴᕿᑎᑦᑎᓚᐅᖅᐳᑦ ᑲᑎᓗᒋᑦ 1,328,640 ᐅᕐᑯᒪᐃᓐᓂᕐᔪᐊᓕᖕᓂᑦ ᓄᓘᔭᑉ ᓴᕕᕋᔭᒃᓴᓂᒃ ᐅᔭᕋᕐᓂᐊᖅᑕᐅᓯᒪᔪᓂᑦ ᑕᐃᑲᖕᒐᑦ ᐲᔭᐃᕕᐅᔪᒥᑦ ᓈᓴᐅᑎᓕᒃ 1-ᒥᑦ. ᐊᐅᒎᓯ 7, 2015-ᒥ ᓯᕗᓪᓕᖅᐹᖅ ᓴᕕᕋᔭᒃᓴᒥᑦ ᐊᐅᓚᖅᑎᑦᑎᓂᖅ ᐊᐅᓪᓚᓚᐅᖅᐳᖅ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᒥᑦ ᐅᓯᓪᓗᓂ 53,625 ᐅᕐᑯᒪᐃᓐᓂᕐᔪᐊᓕᖕᓂᑦ ᓴᕕᕋᔭᒃᓴᓂᒃ. ᑲᑎᓗᒋᑦ 916,435 ᐅᕐᑯᒪᐃᓐᓂᕐᔪᐊᓕᖕᓂᑦ ᐊᐅᓚᖅᑎᑦᑎᔪᖅᑲᕐᓗᓂ 13 ᐅᒥᐊᕐᔪᐊᑎᒍ. ᑭᖑᓂᖓᒍᑦ ᓯᑯᕐᑲᒃᑎᓐᓇᒍ ᐊᐅᔭᖓᓂ, ᓴᕕᕋᔭᒃᓴᑦ ᑲᔪᓯᔭᐅᓚᐅᖅᐳᑦ ᓄᐊᑦᑎᕕᖕᒨᖅᑲᑦᑕᐅᓪᓗᑎᒃ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓂ ᓴᕕᕋᔭᒃᓴᑦ ᓄᐊᑕᐅᓗᑎᒃ ᐃᓂᒋᔭᐅᔪᒧᑦ.

ᒪᓕᒐᓕᕆᓂᒃᑯᑦ ᖃᐅᔨᓴᕐᓂᐅᔪᓂᑦ

2015–ᒥᑦ, ᐹᕙᓐᓂᓐᑯᑦ ᑲᒪᒋᔭᖅᑲᓚᐅᖅᐳᑦ ᖃᔅᓯᒐᓚᖕᓂ ᒪᓕᒐᓕᕆᓂᒃᑯᑦ ᖃᐅᔨᓴᕐᓂᐅᔪᓂᑦ ᐃᓄᓕᕆᔨᑐᖅᑲᒃᑯᓐᓂᑦ ᕿᑭᖅᑖᓗᖕᒥ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖅᑲᑎᑏᖕᒋᓐᓂᑦ, ᐊᒻᒪᓗᑦᑕᐅᖅ ᐱᓕᕆᔨᐅᔪᓄᑦ ᐊᑦᑕᓇᔭᐃᖅᓯᒪᓂᕐᒧᑦ ᐱᓂᕐᓗᒃᑕᐅᔪᓂᒃ ᖃᓄᐃᑦᑐᓐᓃᕐᔫᒥᑎᑦᑎᓇᓱᖕᓂᕐᒧᑦ ᑲᑎᒪᔨᓄᑦ ᐅᔭᕋᖕᓂᐊᕐᕕᐅᑉ ᖃᐅᔨᓴᖅᑎᐅᔪᓄᑦ:

- ᑕᓪᓕᒪᐃᑦ (5) ᖃᐅᔨᓴᕐᓂᖃᓚᐅᖅᐳᑦ ᐃᓄᓕᕆᔨᑐᖅᑲᒃᑯᑦ ᐃᒪᓕᕆᔨᐅᔪᓄᑦ,
- ᐱᖓᓱᓂᑦ (3) ᑕᑯᓇᒃᓯᔪᖅᑲᓚᐅᖅᐳᖅ ᐊᒻᒪᓗ ᐊᑕᐅᓯᕐᒥᒃ (1) ᐊᕙᑎᓕᕆᓂᕐᒥ ᖃᐅᔨᓴᖅᑐᖅᑲᕐᓗᓂ ᐱᓕᕆᓗᑎᒃ ᕿᑭᖅᑕᓂ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖅᑲᑎᑏᖕᒋᑦ (QIA) ᐱᓕᕆᐊᖑᓪᓗᑎᒃ ᐊᖏᖅᑲᑎᑏᒍᑎᑎᒍ ᑮᓇᐅᔭᓕᐅᕋᓱᐊᕐᓂᕐᒧᑦ ᐊᑭᓕᖅᓱᒐᕐᑯᑎᓂ Q10C3001, ᐊᒻᒪᓗ
- ᐃᖃᓇᐃᔭᖅᑎᑦ ᐊᑦᑕᓇᖅᑕᐃᓕᒪᓂᕐᒧᑦ ᐊᑭᓕᖅᑕᐅᔪᑎᓕᕆᔨᒃᑯᓪᓗ ᐱᓕᕆᓚᐅᖅᐳᑦ ᑕᓪᓕᒪᓂᑦ (5) ᑕᑯᓇᒃᓯᓗᑎᒃ ᑕᒪᒃᑭᖏᓐᓂ ᐅᔭᕋᒡᓂᐊᕐᕕᖕᒥ ᐊᒻᒪᓗ ᑐᓚᒃᑕᕐᕕᑦ ᐃᓂᖏᓐᓂ.

ᓄᓇᓕᖕᓂ ᐊᒻᒪᓗ ᑐᓴᐅᒪᑎᑦᑎᖃᑦᑕᐃᓐᓇᕐᓂᖅ

2015-ᒥ, ᐹᕕᓐᓂᓐᑯᑦ ᐋᖅᑭᐅᒪᑎᑦᑎᓚᐅᖅᐳᑦ ᐊᒻᒪᓗ ᑲᔪᓯᓪᓗᑎᒃ ᐊᐅᓚᑎᑦᓂᕐᒥᒃ ᓄᓇᓖᑦ ᑐᓴᖅᑎᑦᑎᔨᖓᓂᑦ ᐃᖅᑲᓇᔭᖅᑎᒥᒃ ᐃᖃᓗᖕᓂ, ᐃᒃᐱᐊᕐᔪᒃ, ᐃᒡᓗᓕᖕᒥ, ᒥᑦᑎᒪᑕᓕᖕᒥ, ᑲᖏᖅᑐᒫᐱᖕᒥ, ᐊᒻᒪᓗ ᓴᓂᕋᔭᖕᒥ. ᐃᖃᓗᖕᓂ, ᐹᕕᓐᓂᓐᑯᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐱᓕᕆᓂᕐᒧᑦ ᐊᐅᓚᑦᑎᔨ ᐱᓕᕆᐊᖃᕐᒪᑦ ᓄᓇᕗᑦ ᐱᓕᕆᐊᖃᑎᓕᖕᓂᑦ ᐊᒃᓚᒡᕕᖃᕐᓗᓂ ᐊᒻᒪᓗ ᐃᖃᓇᐃᔭᖅᑎᑏᖕᓂᖅ ᑐᓴᖅᑎᑦᑎᔨᓂᒃ ᐃᖅᑲᓇᐃᔭᖅᑎᓂᒃ.

ᓄᓇᓕᑦ ᐊᒻᒪᓗ ᒐᕙᒪᒃᑯᑦ ᐊᐱᖅᓱᖃᑦᑕᕆᐊᑐᖅᓯᒪᓂᖏᑦ ᑲᔪᓯᖃᑕᐅᓚᐅᕆᕗᑦ ᖁᕝᕙᓯᒃᑐᒪᕆᐅᓗᑎᒃ ᐱᓕᕆᑦᑎᐊᕋᓱᐊᕐᓂᖏᑦ 2015-ᖑᑎᓪᓗᒍ. ᑲᑎᒪᖃᑎᒋᔭᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐃᓄᐃᑦ, ᓄᓇᓖᖕᓂ ᐺᐊᒻᓚᐅᔪᑦ ᑭᒡᒐᖅᑐᐃᔨᖏᑦ, ᓄᓇᓖᑦ ᐊᖑᓇᓱᐊᖅᑐᓕᕆᔨᒃᑯᓂᖏᓐᓂᑦ ᑲᑎᒪᔨᖏᑦ, ᓄᓇᓖᖕᓂ ᕿᑭᖅᑕᓂ ᐃᓄᐃᑦ ᑲᑐᔾᔨᖅᑲᑎᑏᒃᑯᑦ ᑭᒡᒐᖅᑐᐃᔨᖏᑦ, ᐊᒻᒪᓗ/ᐅᕝᕙᓘᓐᓃᑦ ᐊᓯᖏᑦ ᓄᓇᖅᑲᑎᒋᔭᐅᔪᑦ ᐅᖃᐅᓯᐅᓯᒪᔪᑦ ᖁᑦᑎᒃᑐᕐᒥᐅᓂ ᕿᑭᖅᑖᓗᖕᒥ ᓄᓇᓖᖕᓂ.

ᓄᑖᙳᕆᐊᖅᑕᐅᓯᒪᔪᑦ ᐸᕐᓇᐃᓂᕐᒧᑦ

ᐊᕐᕌᒍᑕᒫᖅ ᕿᒥᕈᔭᐅᔾᔪᑏᑦ ᐊᐅᓚᑕᐅᓂᖏᓄᑦ ᐸᕐᓇᒍᑏ ᓴᓇᔭᐅᓚᐅᖅᐳᑦ ᐅᑯᑎᒎᓇ ᐃᒥᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎᒃᑯᑦ ᐱᔭᕇᖅᑕᐅᓪᓗᑎᓪᓗ. ᓄᑖᙳᕆᐊᖅᑕᐅᓯᒪᔪᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎᓂᑦ ᐱᐊᓂᒃᑕᐅᓯᒪᕗᑦ:

- ᐊᓂᖅᓵᖅᑐᖅᑕᑦᑕ ᖃᓄᐃᖓᓂᖓ ᐊᒪᓗ ᓂᐱᖃᓗᐊᖅᑕᐃᓕᒪᓂᕐᒧᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎ,
- ᐃᓕᖅᑯᓯᓕᕆᓂᕐᒧᑦ ᐊᒻᒪᓗ ᐱᕐᑯᑎᖕᒋᓐᓂᑦ ᐃᑲᔪᕈᑎᒃᓴᑦ ᓴᐳᔾᔨᓯᒪᓂᕐᒥᑦ ᐸᕐᓇᒍᑎ,
- ᓄᓇᒥ ᐊᕙᑎᕗᑦ ᐊᐅᓚᑕᐅᔾᔪᑎᒃᓴᖓ ᖃᐅᔨᓴᐃᓂᕐᒧᓪᓗ ᐸᕐᓇᐅᑎ,
- ᐊᖅᑯᑎᓄᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎ,
- ᑐᐊᕕᕐᓇᖅᑐᓕᕆᓂᕐᒧᑦ ᐸᕐᓇᐅᑎᖓ,
- ᑭᕕᓂᐅᔪᒥᑦ ᓇᓪᓕᐅᒃᑯᓛᓄᑦ ᐸᕐᓇᒍᑎ,
- ᐃᒥᑦᑎᐊᕙᒃ, ᑭᓈᕐᓗᒃ ᐊᒻᒪᓗ ᐅᐊᑦᑕᕐᑯ ᐃᒪᕐᒥᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎ,
- ᖁᐊᖅᓵᕐᓇᖅᑐᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᖅᑐᑦ ᐊᒻᒪᓗ ᖁᐊᖅᓵᕐᓇᖅᑐᑦ ᐊᑐᕈᓪᓃᖅᑐᓄᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎ,
- ᐱᑲᐃᓐᓇᕐᓂᕐᒧᑦ ᐃᒃᓯᓐᓇᐃᓂᕐᒥᑦ ᐊᒻᒪᓗ ᓄᓇᒥᒃ ᓱᕈᑦᑎᓇᑦᑕᐃᓕᒪᔪᒥᑦ ᐸᕐᓇᒍᑎ,
- ᖄᖓᓃᑦᑐᖅ ᐃᒪᖅ, ᐃᒪᕐᒥᐅᑕᑦ ᐆᒪᔪᖃᐅᑎᖏᑦ, ᐃᖃᓗᑦ ᐊᒻᒪᓗ ᐃᖃᓗᖕᓄᑦ ᓇᔪᒐᐃᑦ ᐊᐅᓚᑕᐅᔾᔪᑎᖏᑕ ᐸᕐᓇᒍᑎᖏᑦ,
- ᓄᓇᐅᑉ ᖄᖓᓂ ᐃᒪᕐᒥᒃ ᖃᐅᔨᓴᒐᒃᓴᓕᐅᕐᓂᕐᒧᑦ ᐱᓕᕆᔪᑎ – ᐱᐅᓂᖓ ᓇᓗᓇᖏᑦᑎᐊᕐᑯᓗᒍ ᐊᒻᒪᓗ ᐱᐅᓂᖓ ᐊᐅᓚᑕᐅᕐᑯᓗᒍ ᐸᕐᓇᒍᑎ,
- ᐃᒪᕐᒥᐅᑕᓂᒃ ᐊᒃᑐᖅᓯᓂᐅᔪᓄᑦ ᖃᐅᔨᒋᐊᖅᑕᕐᓂᕐᒧᑦ ᐸᕐᓇᒍᑎ,

- ᐊᑐᕈᓐᓃᖅᑐᓄᑦ ᐊᒃᑐᑯᓄᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎ,
- ᐅᖅᓱᐊᓗᒃᓴᖅ ᓱᕈᕈᑕᐅᔪᑦ ᑐᐊᕕᕐᓇᖅᑐᓄᑦ ᐸᕐᓇᒍᑎ – ᕿᙵᐊ (OPEP),

ᓇᐃᒡᓕᒋᐊᖅᓯᒪᔪᒃᑯᑦ ᐱᓕᕆᐊᖕᒍᔪᕐᒧᑦ ᐸᕐᓇᐅᑎᑦ 2016–ᒧᑦ

2016 ᐃᖃᓇᐃᔭᖑᔪᒪᔪᓄᑦ ᐸᕐᓇᒍᑎ ᐋᖅᑭᒃᓱᖅᑕᐅᓚᐅᖅᐳᖅ ᐱᔭᐅᑎᑕᐅᓪᓗᓂᓗ ᐱᔭᕆᐊᓕᖕᓄᑦ ᐱᓕᕆᖃᑎᒋᒃᑐᓄᑦ ᐅᑐᐱᕆ 30, 2015-ᒥ ᑕᐃᒪᓐᓇᐅᕐᑯᔭᐅᓂᖓᓄᑦ ᑎᑎᕋᒃᓯᒪᔪᑎᒍ 6.1-ᒥ ᑮᓇᐅᔭᓕᐅᕋᓱᐊᕐᓂᕐᒧᑦ ᐊᑭᓕᖅᓱᒐᕐᑯᑎᓂ, ᓈᓴᐅᑎᖓ Q13C301 ᐊᒻᒪᓗ ᐅᑯᑎᒎᓇ ᐋᖅᑭᒋᐊᑕᐅᔪᑎᑦ ᓈᓴᐅᑎᓕᒃ 1 ᐃᒪᓐᓇᐃᑦᑑᓂᖓ A ᐃᒥᓕᕆᓂᕐᒥ ᐱᓕᕆᔪᓐᓇᐅᑎ (2AM-MRY1325), ᐃᓚᖓ J, ᐱᓕᕆᐊᒃ 3 ᑕᐃᒪᓐᓇᐃᔪᑕᐅᓗᓂ ᐊᕐᕌᒍᑕᒪᑦ ᐊᑦᑕᕐᓇᖅᑐᒦᔪᑕᐅᕐᑯᓇᒍ ᕿᒥᕐᕈᓂᖅ (ASR) ᐱᓕᕆᔪᑕᐅᔪᓂ ᐱᓕᕆᐊᖑᓪᓗᑎᒃ ᐊᕐᕌᒍᑕᒪᑦ. ᐃᒪᓐᓇᐅᔪᖃᓕᕐᓂᖅᐸᑦ ᓴᓇᔭᒃᓴᑦ ᐱᔭᕇᒃᑕᐅᕙᓪᓕᐊᖏᑉᐸᑕ, ᐃᖃᓇᐃᔭᖑᔭᕆᐊᓕᑦ ᑕᐃᒪᓐᓇ ᐅᖃᐅᑕᐅᓯᒪᓂᖏᑎᑐᑦ ᐊᒻᒪᓗ ᓴᓇᔭᐅᑎᓪᓗᒋᑦ 2016-ᒥ ᐃᖃᓇᐃᔭᖑᔪᒪᔪᓄᑦ ᐸᕐᓇᒍᑎᑦ ᑭᖑᓂᑦᑎᐊᖕᒐᒍᑦ ᐅᑎᖅᑎᑦᑎᕆᔪᖃᕆᐊᖃᓕᕋᔭᕐᒪᑦ, ᑕᐃᒪᓐᓇᐅᔭᕆᐊᖃᕐᓂᖓᓄᑦ ᒪᓕᒃᑕᐅᕐᑯᔭᐅᔪᓂ ᐊᒻᒪᓗ ᐱᓕᕆᔪᓐᓇᐅᑎᓂ ᐱᓕᕆᔭᕆᐊᖃᓕᕈᑎᓂ.

2016-ᒥ ᐃᖃᓇᐃᔭᖑᔪᒪᔪᓄᑦ ᐸᕐᓇᒍᑎᑦ ᐅᖃᐅᓯᖃᕐᒪᑕ ᐸᕐᓇᒃᑕᐅᓯᒪᔪᓂᒃ ᐱᕙᓪᓕᐊᑎᑕᐅᔭᕆᐊᓕᖕᓂᑦ ᐊᒻᒪᓗ ᐊᐅᓚᔪᑎᖕᒋᓂᑦ ᐅᔭᕋᒃᓂᐊᕐᕕᐅᑉ, ᓴᕕᕋᔭᒃᓴᓂᒃ ᓯᕐᑯᑦᑎᕆᓂᖅ ᐊᒻᒪᓗ ᓄᓇᒃᑯᑦ ᐅᓯᖃᑦᑕᕐᓃᑦ, ᓄᐊᑦᑎᕕᒡᓈᖃᐃᓂᑦ ᐊᒻᒪᓗ ᑕᕆᐅᒃᑯᑦ ᐊᐅᓚᖅᑎᑦᑎᖃᑦᑕᕐᓃᑦ ᓴᕕᕋᔭᒃᓴᓂᒃ, ᐊᒻᒪᓗ ᑲᔪᓯᓗᒋᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓂᑦ ᐊᒻᒪᓗ ᐃᒡᓗᓕᐅᕐᓃᑦ ᓄᓇᓕᐅᔪᑎᓂ ᑕᐃᒪᓐᓇᐅᔭᕆᐊᖃᕐᓂᖓᓄᑦ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓂ, ᐅᓯᖃᑦᑕᕐᓂᕐᒧᑦ ᐊᕐᑯᑎᒥ, ᐊᒻᒪᓗ ᓄᓘᔭᖕᓂ ᐅᔭᕋᒃᓂᐊᕐᕕᖕᒥ ᒪᑯᓄᙱᖓᖓᔪᓂ ᓄᓘᔭᖕᓂ ᓴᓇᔭᒃᓴᓈᖓᔪᓂ. 2016-ᒥ ᐃᖃᓇᐃᔭᖑᔪᒪᔪᓄᑦ ᐸᕐᓇᒍᑎᑦ ᓴᖅᑭᑕᐅᓯᒪᕗᖅ ᑎᑎᕋᒃᓯᒪᔪᖅ C-ᒥ.

ᑲᔪᓯᓗᓂ ᐱᕙᓪᓕᐊᑎᑕᐅᓂᖓ ᐊᒻᒪᓗ ᐃᒡᓗᓕᐅᖅᑐᖃᕐᓂᖓ ᐅᔭᕋᒃᓂᐊᕐᕕᖕᒥ ᑕᐃᒪᓐᓇ ᐅᖃᐅᑕᐅᓯᒪᓂᖓᑎᑐᑦ 2016-ᒥ ᐃᖃᓇᐃᔭᖑᔪᒪᔪᓄᑦ ᐸᕐᓇᒍᑎᓂ ᐱᔭᕆᐊᖃᕐᓂᐊᕐᒪᑕ 2016-ᒥ ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑐᓂᒃ. ᓂᕆᐅᒋᔭᐅᕗᖅ ᑕᒪᒃᑯᐊ ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑐᑦ ᐅᓯᔭᐅᒐᔭᕆᐊᖕᒋᑕ ᐅᖅᓱᒃᓴᑦ, ᐱᓕᕆᔪᑎᑦ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᔭᕆᐊᓖᑦ ᐱᓕᕆᔪᑕᐅᕐᑯᓗᒋᑦ ᐅᔭᕋᒃᓂᐊᕐᕕᖕᒥ ᐊᒻᒪᓗ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓂ ᑎᑭᐅᔭᐅᒐᔭᕐᒪᑕ ᓯᑯᖃᒃᑎᓐᓇᒍ (ᑕᐅᕙᓂᐅᔪᒃᓴᐅᕗᖅ ᐊᑯᓐᓂᖓᓐᓂ ᕿᑎᕋᒃᑎᓗᒍ-ᔪᓚᐃ ᐊᒻᒪᓗ ᕿᑎᕋᒃᑎᓗᒍ-ᐅᑐᐱᕆ 2016). ᓴᓇᔭᒃᓴᑦ, ᐅᖅᓱᒃᓴᑦ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᔪᒃᓴᑦ ᐱᔭᐅᔭᕆᐊᓖᑦ ᐊᐅᓚᔪᑕᐅᕐᑯᓗᒋᑦ ᐊᒻᒪᓗ ᐃᒡᓗᓕᐅᕈᑕᐅᕐᑯᓪᓗᒋᑦ ᐱᓕᕆᐊᖑᓗᑎᒃ ᐅᓯᔭᐅᓂᐊᕐᒪᑕ ᐅᔭᕋᒃᓂᐊᕐᕕᖕᒧᑦ ᐊᕐᕌᒍᓕᒫᖅ ᐅᓯᖃᑦᑕᕐᓂᕐᒧᑦ ᐊᖅᑯᑎᒃᑯᑦ.

ᐊᑐᖅᑎᓗᒍ 2016, ᐱᓕᕆᐊᖑᐃᓐᓇᕐᓂᐊᕐᒪᑕ ᕿᓇᔭᖕᓃᑦ, ᐱᖃᓯᐅᑎᓗᒋᑦ ᓂᐅᖅᑐᖅᑐᖃᐸᒃᓗᓂᓗᖃᐃ, ᐹᕙᓐᓈᒃᑯᑦ ᕿᓇᔭᒃᕕᖓᓂ ᓄᓇᒥ ᐊᒻᒪᓗ ᓄᓇᓂ ᐋᖅᑭᑦᑎᐊᖅᓯᒪᓗᑎᒃ ᓂᐅᖅᑐᖃᑦᑕᖅᑐᖃᕐᓗᓂ ᐊᒻᒪᓗ ᖃᐅᔨᓇᓱᐊᖅᐸᒃᓗᑎᒃ ᓴᓇᔭᒃᓴᑦ ᐱᕙᓪᓕᐊᑎᑕᐅᕕᖕᒋᓐᓂ ᑕᐃᒪᓐᓇᐅᔭᕆᐊᖃᑐᐃᓐᓇᕆᐊᖃᕐᒪᑕ ᐃᑲᔪᖅᑕᐅᕐᑯᓗᒋᑦ ᓴᓇᔭᒃᓴᓕᐅᕐᓃᑦ, ᓴᓇᓯᒪᓂᒃᓴᓕᐅᕐᓃᑦ, ᐊᒻᒪᓗ ᐃᒡᓗᓕᕐᓂᕐᒥ ᐱᓕᕆᓂᐅᔪᑦ ᓴᓇᔭᒃᓴᓂ. ᐱᓕᕆᐊᖑᐃᓐᓇᕐᓗᑎᒃ ᐊᕙᑎᓕᕆᓂᕐᒥ ᐊᒃᑐᖅᑕᐅᓂᐅᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᕙᒃᓗᑎᒃ ᐊᒻᒪᓗ ᐱᓕᕆᐊᖑᓪᓗᐊᑕᖅᑐᓂ ᖃᐅᔨᒪᔪᑎᓂᒃ ᓄᐊᑦᑎᔪᑦ ᑲᔪᓯᓂᐊᕐᒪᑕ ᐃᑲᔪᕐᑯᓗᒋᑦ ᐃᒡᓗᓕᐅᖅᑐᓂᒃ ᐊᒻᒪᓗ ᐊᐅᓚᓂᕆᔭᐅᔪᓂᒃ ᓴᓇᔭᒃᓴᒧᑦ. ᑕᒪᒃᑯᐊ ᐱᓕᕆᓂᐅᔪᑦ ᐱᒋᐊᕐᓂᐊᕐᒪᑕ, ᑕᐃᒪᓐᓇ ᐱᔭᕆᐊᖃᒃᑎᑕᐅᓂᖏᓐᓄᑦ, ᑕᐅᕙᓂ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᓂ, ᑕᒫᓂᓗ ᐅᓯᖃᑦᑕᕐᕕᒃ ᐊᖅᑯᑎᖓᓂ, ᐅᔭᕋᒃᓂᐊᕐᕕᖕᒥ, ᐅᓄᖅᑐᓂᓗ ᐅᓯᖃᑦᑕᕆᐊᖅᑐᕐᕕᖕᓂ ᐊᒻᒪᓗ ᐊᓯᖏᓐᓂ ᓴᓇᔭᒃᓴᑦ ᐱᕙᓪᓕᐊᑎᑕᐅᕕᒋᔭᖕᒋᓐᓂ.

ᑲᔪᓯᑎᑕᐅᓗᑎᒃ ᐊᐅᓚᔪᑎᑦ ᐅᔭᕋᒡᓂᐊᕐᕕᖕᒥ ᐊᒻᒪᓗ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᑉ ᑐᓚᒃᑕᕐᕕᖓᑕ ᓄᓇᓕᖅᑲᕐᕕᐅᓂᖓ ᐃᑲᔪᖅᓱᐃᔪᑕᐅᕐᑯᓗᒍ ᐱᓕᕆᐊᖑᐃᓐᓇᕐᓂᖓᓄᑦ ᐊᐅᓚᔪᑎᑦ ᐊᒻᒪᓗ ᓴᓇᔭᐅᓂᖓᓄᑦ ᐱᓕᕆᐊᖑᔪᑦ ᑕᐃᒃᑯᐊᓗ ᐱᕐᑲᓯᐅᔾᔨᓂᐊᕐᓗᑎᒃ ᐊᑐᖅᑕᐅᓂᖓᓂᑦ ᐃᒥᐅᑉ ᐊᒻᒪᓗ ᐃᒋᑦᑎᕕᒋᓐᓂ ᐃᒋᑕᐅᔪᑦ ᑕᐃᒪᓐᓇ ᐱᓕᕆᔪᓐᓇᖅᓯᑎᑕᐅᓯᒪᓂᕐᒥᓄᑦ ᐊᑐᖅᑕᐅᔪᑎᒍ ᐱᓕᕆᔪᓐᓇᐅᑎᒃᑯᑦ. ᐱᓕᕆᐊᖑᐃᓐᓇᖅᑐᑦ ᐊᐅᓚᑎᑦᑎᓃᑦ ᐱᓕᕆᐊᖑᔪᓐᓇᖅᑎᑕᐅᔪᓂᒃ ᐊᐃᒃᓯᕋᓂᕐᒧᑦ ᐊᒻᒪᓗ ᐃᓗᓕᐅᕆᓂᕐᒥ ᐱᔭᒃᓴᐅᔪᓂᒃ; ᐱᑕᖅᑲᕆᓪᓗᓂᓗ ᐃᓚᒃᑲᓐᓂᖏᓂᑦ ᐸᕐᓈᖑᓯᒪᔪᓂᒃ ᐊᐃᒃᓯᕋᕕᖕᓂᒃ ᐊᒻᒪᓗ ᐃᓗᓕᐅᖅᓯᒪᔪᓂᒃ ᐃᓂᒋᔭᐅᔪᓃᑦᑎᓂᒃ ᓴᓂᕌᓂ ᐅᓯᖅᑲᑦᑕᕐᕕᐅᑉ ᐊᖅᑯᑎᖓᓂ ᓇᓗᓇᖅᑕᐅᓯᒪᓪᓗᑎᒃ ᐊᒻᒪᓗ ᐊᑐᓕᖅᑕᐅᔪᓐᓇᕐᓂᐊᕐᑯᓪᓗᒋᑦ ᐊᑐᖅᑎᓗᒍ 2016.

ᐅᔭᕋᖕᓂᐊᕐᕕᒃ ᑲᔪᓯᓂᐊᕐᒪᑦ ᐱᖃᑦᑕᐃᓇᕐᓗᓂ ᒪᓕᑦᑎᐊᕐᓂᕐᒧᑦ ᓇᓪᓕᖏᓐᓂᑦ ᒪᓕᒃᑕᐅᕐᑯᔭᐅᔪᓂᒃ ᑕᐃᒪᓐᓇᐅᔭᕆᐊᖃᕐᓂᖏᓄᑦ, ᐊᒻᒪᓗ ᐋᖅᑭᐅᒪᑎᑦᑎᓗᑎᒃ ᓄᓇᓕᖕᓂ ᐱᓕᕆᖃᑎᒌᑦᑎᐊᕐᓂᕐᒥᑦ. ᐊᕙᑎᓕᕆᓂᕐᒥ ᖃᐅᔨᒪᒋᐊᖅᓯᓂᖅ ᒪᓕᒃᓗᒋᑦ ᐊᖏᖅᑕᐅᓯᒪᓂᖏᑦ ᓴᓇᔭᒃᓴᑦ ᓇᓗᓇᐃᑯᑕᖓ, ᐱᓕᕆᔪᓐᓇᐅᑎ, ᐱᓕᕆᔪᓐᓇᖅᓯᑎᑕᐅᔪᑎᑦ, ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᒍᑎᑦ ᐊᒻᒪᓗ ᐊᕙᑎᐅᑉ ᐊᒃᑐᖅᑕᐅᓂᖏᓐᓂᑦ ᖃᐅᔨᒪᒋᐊᖅᓯᓂᕐᒧᑦ ᐸᕐᓇᒍᑎᑦ ᑲᔪᓯᓂᐊᕐᒪᑕ ᐊᑐᖅᑎᓗᒍ 2016. ᐃᑦᑕᕐᓂᓴᕕᓂᕐᓂᑦ ᖃᐅᔨᓴᕐᓂᖅ ᐅᔭᕋᖕᓂᐊᕐᕕᖕᒥ ᐃᓚᖓᓂ ᓇᔪᖅᑕᐅᔫᑉ ᐱᓕᕆᐊᖑᓂᐊᕐᒪᑕ ᑕᐃᒪᓐᓇ ᐱᔭᕆᐊᖃᓂᖏᓄᑦ.

PROJET DE LA RIVIÈRE MARY DE LA BAFFINLAND IRON MINES CORPORATION

RAPPORT ANNUEL 2015 DE LA QIKIQTANI INUIT ASSOCIATION (QIA) ET DE L'OFFICE DES EAUX DU NUNAVUT (OEN)

RÉSUMÉ

En 2015, les activités et le suivi du Projet de la Baffinland ont débuté l'année au chapitre du permis d'utilisation des eaux de type A 2AM-MRY1325 (émis le 10 juin 2013), le permis d'utilisation des eaux de type B 2BE-MRY1421 pour l'exploration et le permis d'utilisation des eaux de type B 8BC-MRY1416 pour la construction. La modification nº 1 du permis d'utilisation des eaux de Type A 2AM-MRY1325 a été émise le 21 juillet 2015 et approuvée le 2 septembre 2015. Le permis d'utilisation des eaux de Type A modifié incorpore la portée additionnelle du permis d'utilisation des eaux de Type B 8BC-MRY1416 pour la construction et la portée additionnelle incorporée de l'ÉGRA en fonction de la demande de modification au permis nº 2AM-MRY1325.

Le présent rapport à l'Office des eaux du Nunavut (OEN) et à la Qikiqtani Inuit Association (QIA) a été rédigé pour répondre aux exigences de déclaration énoncées dans les permis d'utilisation des eaux mentionnés et comme convenu par la Qikiqtani Inuit Association dans le bail commercial n° Q13C301.

Les permis d'utilisation des eaux de la Baffinland Iron Mines Corporation (Baffinland) prévoient un programme d'échantillonnage qui nécessite l'enregistrement de la quantité d'eau extraite à quelque fin que ce soit, la réalisation d'essais sur tous les effluents (p. ex., effluents d'eaux d'égout traitées) évacués dans l'environnement et le contrôle de la qualité de l'eau dans certains secteurs précis du Projet (p. ex., rejet de déchets en surface en aval des sites de construction, eaux pluviales recueillies au moyen d'une structure de confinement artificielle, effluents d'eaux usées et huileuses, etc.).

Ces renseignements sont résumés dans les rapports annuels complets de l'OEN, ci-inclus en Annexe B, et font l'objet d'une description plus détaillée dans le présent rapport. Selon les résultats des essais réalisés sur les effluents ciblés par les permis d'utilisation des eaux, conformément aux programmes de contrôle inclus dans les permis d'utilisation des eaux, en 2015, les effluents rejetés dans l'environnement récepteur n'ont pas dépassé les seuils établis aux termes des permis d'utilisation des eaux de type A et B. En outre, il n'y avait aucun dépassement de la limite de prélèvement d'eau pour les besoins des camps dans le cadre des permis d'utilisation des eaux mentionnés dans le cas du site minier ou du port de Milne et ce, à des fins domestiques et de construction ou industrielles. Le camp du port de Steensby était inoccupé pendant toute l'année 2015.

On a noté deux dépassements associés aux critères de la qualité de l'eau de ruissellement dans les échantillons prélevés pendant la saison des eaux libres de 2015 :

- Le 3 juillet 2015, des dépassements ont été enregistrés au chapitre du total des solides en suspension (TSS) aux points de contrôle MP-Q1-01 et MP-Q1-02 de 113 mg/L et de 203 mg/L respectivement. Ces dépassements ont été occasionnés par la fonte rapide du drainage qui a entraîné l'accumulation de sédiments dans la neige. Élevés pendant une courte période, les niveaux de TSS ont été contrôlés par des travaux d'excavation et des clôtures anti-érosion.

Trois dépassements ont été signalés dans les échantillons de caractérisation avant évacuation :

- Le 13 juillet 2015, le pH de MP-01A était de 9,87. Il s'agissait d'un échantillon de caractérisation avant évacuation. Aucune évacuation dans l'environnement récepteur n'a été effectuée sur ce site

en juillet 2015. Le processus de traitement a été mis au point à l'aide d'acide sulfurique et de polymères.

- Le 13 juillet 2015, le total des huiles et des graisses pour un échantillon de caractérisation avant évacuation de MS-03 était de 23,3 mg/L. Aucune évacuation dans l'environnement récepteur n'a été réalisée sur ce site en 2015.
- Le 24 août, le pH de MP-01A-RUN3 était de 10,19. Il s'agissait d'un échantillon de caractérisation avant évacuation. Le pH a par la suite été ajusté pendant le processus de traitement de sorte que, pendant l'évacuation, les valeurs du pH étaient de 6,54 à 8,18, comme l'analyse d'échantillon sur le terrain a permis de le déterminer.

Le 26 juin 2015, une fonte des neiges accompagnée de pluie a entraîné un envasement temporaire de la rivière Mary dans une portion non utilisée pour la pêche. Des mesures de contrôle de la gestion de l'eau ont été mises en place qui ont permis de stabiliser la situation et de normaliser les conditions relatives aux niveaux de sédiments le jour suivant.

En 2015, quarante-deux (42) déversements ont été signalés à la Nunavut Spill Line, à l'inspecteur des permis d'utilisation des eaux ainsi qu'au service des Projets majeurs de la Qikiqtani Inuit Association. Outre le rapport exigé par la Spill Line, un rapport de suivi plus détaillé a été soumis dans les 30 jours suivant chacun des déversements. Ce rapport inclut une description de chaque événement ainsi que de sa cause immédiate, les mesures correctives et préventives et une carte indiquant le lieu du déversement.

Le permis d'utilisation des eaux de type A (2AM-MRY1325) autorise l'exploitation minière conformément à la réglementation de l'Office des eaux du Nunavut et autorise Baffinland à utiliser de l'eau et à produire des déchets dans le cadre de la construction, l'exploitation, la fermeture et la réhabilitation de sa mine de minerai de fer Gisement n° 1, comme l'autorise le certificat de Projet modifié n° 005 de la CNER. Par surcroît, la réception du bail commercial n° Q13C301 de la QIA pour les terres inuites le 6 septembre 2013 a servi de base à la poursuite des activités autorisées aux termes du certificat du Projet sur les terres inuites en 2014. Au cours de l'année 2015, le Projet de la rivière Mary était à la fois dans la phase de construction et d'exploitation, avec la poursuite des activités minières, du broyage et du transport de minerai.

Des études d'ingénierie en cours dans le domaine de l'environnement, comprenant la collecte de données de base et d'ingénierie, ont été réalisées en 2015 conformément aux engagements pris dans le cadre de l'ÉGRA et à l'Énoncé final des incidences environnementales qui a été approuvé aux termes du certificat du Projet.

En 2015, parmi les divers secteurs d'importance, citons la conformité continue aux permis réglementaires applicables ainsi que la réhabilitation progressive et continue de zones d'exploitation actuelles et antérieures aux fins des programmes d'exploration et d'échantillonnage en vrac antérieurs. Les programmes de 2015 portant sur les études environnementales et d'ingénierie sur le terrain ont été réalisés principalement à la fin du printemps et pendant la saison des eaux libres (de mai à septembre).

Une description des diverses activités liées au Projet, réalisées conformément au permis d'utilisation des eaux de type A 2AM-MRY1325 – Modification nº 1 et au bail de la QIA n° Q13C301, présentées par zones de site et activités liées à la composante, est fournie ci-dessous.

Site minier de la rivière Mary

Au site minier de la rivière Mary, les activités principales du Projet incluaient :

- L'exploitation du Gisement n° 1 ainsi que le broyage et le stockage du minerai aux emplacements de concassage de minerai;
- L'entretien de la route de transport minier du Gisement n° 1 pour faciliter le développement de puits et l'exploitation minière;
- La construction, l'installation et le calibrage de la route de transport des stériles, d'une aire de stockage des stériles, de tranchées filtrantes et d'un bassin temporaire de stockage des stériles;
- L'extraction en cours consistant principalement en matériaux rocheux à la carrière QMR2 ainsi qu'à d'autres endroits qui étaient autorisés par la QIA dans le cadre du bail commercial;
- Le dépôt continu de déchets non dangereux sur le site d'enfouissement prévu à cette fin au site minier conformément aux protocoles actuels;
- La construction, l'installation et la mise en service continues des infrastructures du Projet, y compris :
    - Ateliers d'entretien, bâtiment de services sur place, entrepôt, bâtiments de gestion des déchets, station de lavage des camions, peseurs de charges de camions, bâtiment abritant l'atelier de soudure et l'entrepôt, bureaux, roulottes sanitaires, bassin de décantation pour les piles de stockage du concasseur de minerai et bâtiments de distribution électrique;
- Installation de deux (2) réservoirs en acier de 50 000 litres pour le stockage du carburant aviation Jet-A sur l'aire de trafic de l'aéroport d'Apron;
- Fin des travaux de terrassement pour l'expansion de l'aire de concassage afin d'offrir davantage d'espace pour les opérations de mixage et pour accueillir un troisième train à concassé;
- Poursuite du déclassement et de la remise en état progressive requis pour le réservoir de carburant en vrac souple et divers sites de stockage de déchets construits et utilisés pendant la phase d'exploration du Projet.

Chemin d'approvisionnement

Les principales activités réalisées au cours de 2015 consistaient dans le transport de minerai sur le chemin d'approvisionnement, du site minier de la rivière Mary au port de Milne pour le stockage en piles, et dans le transport par camion de carburant et de diverses fournitures afin de soutenir les opérations et la construction du Projet.

Des améliorations ont été apportées au chemin d'approvisionnement afin qu'il demeure conforme à la Loi sur la santé et la sécurité dans les mines et aux règlements afférents et d'améliorer l'efficacité, à savoir :

- La consolidation et l'élargissement de l'assiette de la route, le réalignement localisé de la route, les ajustements à la pente de la route là où cela s'avérait nécessaire ainsi que les efforts continus pour réduire les risques aux passages des cours d'eau grâce à la mise en œuvre du plan de gestion des crues.
- Installation de neuf (9) ponceaux dans les zones où l'on procédait à un réalignement ou à un élargissement de la route.

- Poursuite du développement de la zone d'emprunt P1. Début des travaux d'aménagement des zones d'emprunt des km 2 et 97 (situées à proximité des km 2 et 97 le long du chemin d'approvisionnement), outre la poursuite des travaux d'aménagement d'autres carrières et sources d'emprunt pour donner un accès aux agrégats pour les mises à niveau et au sable pour l'épandage d'hiver, les remblayages mineurs, l'entretien et les divers projets de construction approuvés.

Création d'une aire de dépôt et d'un centre d'entretien mobile pour travaux léger (sol recouvert d'une couche protectrice) au km 60 afin d'accomplir les tâches d'entretien futures comme, par exemple, les changements de pneus, le graissage et les changements d'huile. De plus, des aires de dépôt adjacentes au chemin d'approvisionnement ont été aménagées pour le stockage du nitrate d'ammonium ainsi que des zones d'alignement de l'équipement. Des activités de suivi liées à la surveillance ont été entreprises aux termes de l'autorisation de pêche dans le cadre du programme « Aucune perte nette » et du programme de surveillance du chemin d'approvisionnement, du bail de la QIA et du permis d'utilisation du sol d'AADNC.

Port de Milne

En 2015, les activités clés du Projet et de suivi au port de Milne incluaient :

- Le stockage de minerai au port de Milne à l'avance des activités d'expédition prévues pour la saison des eaux libres en 2016;
- L'extraction de matériaux rocheux en cours à la carrière Q1 autorisée par la QIA dans le cadre du bail commercial;
- Une formation à l'intervention en cas de déversements en milieu marin offerte aux membres de l'équipe d'intervention d'urgence de Baffinland avant la livraison de carburant au port de Milne au moyen d'une série de cours magistraux, d'exercices sur le terrain et de réunions sur la sécurité;
- La construction et la mise en service des infrastructures de surface, y compris :
    - La fin de la construction des aires de stockage de minerai et des étangs de sédimentation connexes, du convoyeur de reprise de minerai, des installations de chargement de navires et du quai minéralier permanent à Milne;
    - Le début de l'aménagement d'une station de distribution du carburant modulaire de 50 000 litres pour utilisation par les camions de transport de minerai brut.

Le déclassement de l'atelier de Nuna du port de Milne et de l'alimentation électrique auxiliaire a débuté en 2015 et comprend le retrait de dix (10) remorques/conteneurs d'expédition (Sea-Can), d'un campement d'entrepreneur (Shanco), de l'atelier de l'ancien entrepreneur (Nuna) et de deux génératrices alimentées au diésel. Le déclassement s'est terminé en juillet, après que les résultats analytiques ont confirmé la réussite de la réhabilitation des espaces occupés par l'atelier de Nuna et la génératrice, et ces zones ont été vidées pour permettre la fin des travaux d'aménagement du talus d'entreposage du minerai du port de Milne.

En février 2015, un incendie est survenu dans l'atelier d'entretien d'ANMAR, qui a détruit le bâtiment et son contenu. Le site a été réhabilité et déclassé à l'été 2015 avec l'expédition hors site des matières dangereuses, des débris de construction et des sols contaminés pour leur élimination dans des installations de stockage et de recyclage des déchets approuvées.

Transport maritime dans le cadre du Projet de 2015

Le transport maritime dans le cadre du Projet de 2015 a eu lieu entre juillet et octobre 2015 et comprenait ce qui suit :

- Deux (2) navires de transport maritime qui déchargeaient des produits consommables, du matériel de construction, de l'équipement et des matériaux nécessaires à l'exécution des activités de construction et opérationnelles au site minier de la rivière Mary, sur le chemin d'approvisionnement et au port de Milne.
- Réception de 36,1 millions de litres de carburant diesel arctique P-50 et de 1,95 million de litres de carburant aviation Jet-A au moyen de deux (2) transferts navire-terre en septembre et octobre aux réservoirs en acier de stockage en vrac du carburant du port de Milne.
- Expédition hors du site, par transport maritime au port de Valleyfield, au Québec, de divers déchets et matériaux dangereux produits au cours de l'année précédente (y compris les déchets de l'incendie d'ANMAR) aux fins d'élimination dans des installations approuvées/homologuées dans le sud du Canada et transport terrestre par la suite aux installations d'élimination définitive.

Expéditions de minerai en 2015

Au cours de l'année 2015, les activités minières ont généré au total 1 328 640 tonnes de minerai de la rivière Mary extrait du Gisement nº 1. Le 7 août 2015, le premier navire de minerai a quitté le port de l'inlet Milne avec 53 625 tonnes de minerai de fer à son bord. Au total, 916 435 tonnes ont été expédiées à bord de 13 navires. Après la saison des eaux libres, l'empilement du minerai s'est poursuivi sur les aires de stockage de minerai du port de Milne.

Inspections réglementaires

En 2015, Baffinland a été l'hôte de nombreuses inspections réglementaires d'AADNC et de la QIA, en plus d'accueillir l'inspecteur des mines de la CSTIT :

- Cinq (5) inspections réalisées par des agents des ressources hydriques d'AADNC;
- Trois (3) inspections et une (1) vérification environnementale ont été réalisées par la Qikiqtani Inuit Association (QIA) aux termes du bail commercial Q10C3001;
- La CSTIT a effectué cinq (5) inspections aux sites minier et portuaire.

Collectivité et consultation

En 2015, Baffinland a continué à exploiter ses bureaux de liaison avec les collectivités à Iqaluit, Arctic Bay, Igloolik, Pond Inlet, Clyde River et à Hall Beach. À Iqaluit, le directeur des Affaires du Nord de Baffinland supervise le bureau commercial du Nunavut et le réseau d'agents de liaison.

Les consultations auprès des collectivités et du gouvernement se sont aussi poursuivies intensément en 2015. Des rencontres ont eu lieu avec le public, les représentants des hameaux locaux, des HTO locales, les représentants locaux de la QIA et/ou d'autres représentants des collectivités du nord de Baffin.

Mises à jour des plans

Un examen annuel des plans de gestion mis au point en vertu des permis d'utilisation des eaux a également été réalisé. Les mises à jour des plans de gestion ont été achevées :

- Plan de gestion de la qualité de l'air et de la réduction du bruit;
- Plan de protection des ressources patrimoniales et culturelles;
- Plan de gestion et de surveillance de l'environnement terrestre;
- Plan de gestion des routes;
- Plan d'intervention d'urgence;
- Plan d'urgence en cas de déversement;

- Plan de gestion des eaux douces, des eaux d'égout et des eaux usées;
- Plan de gestion des matières dangereuses et des déchets dangereux;
- Plan provisoire de fermeture et de remise en état;
- Plan de gestion des eaux de surface, des écosystèmes aquatiques ainsi que des poissons et de leur l'habitat;
- Programme d'échantillonnage des eaux de surface – Plan d'assurance et de contrôle de la qualité;
- Plan de surveillance des répercussions sur le milieu aquatique;
- Plan de gestion des déchets;
- Plan d'urgence contre la pollution par les hydrocarbures – Port de Milne (PUPH);

Résumé des plans du Projet de 2016

Le plan de travail pour 2016 a été préparé, puis distribué aux parties intéressées le 30 octobre 2015, conformément à la section 6.1 du bail commercial nº Q13C301 et de la partie J, article 3 de la de la modification nº 1 du permis d'utilisation des eaux de type A (2AM-MRY1325), en vue d'un examen annuel de la sécurité (EAS) des activités entreprises sur une base annuelle. S'il advenait que le Projet ne suive pas son cours, les travaux décrits et construits en vertu du plan de travail de 2016 seront assujettis à des réclamations, conformément aux obligations réglementaires et relatives aux permis.

Le plan de travail de 2016 décrit les travaux d'aménagement et de construction prévus pour la mine, le concassage de minerai et le transport terrestre, le stockage et l'expédition maritime de minerai et la poursuite des activités d'aménagement et de construction des infrastructures nécessaires au port de Milne, sur le chemin d'approvisionnement et sur le site minier de la rivière Mary dans le cadre du développement du Projet de la rivière Mary. Le plan de travail de 2016 est reproduit à l'annexe C.

La poursuite du développement et de la construction du site tel que décrit dans le plan de travail de 2016 nécessitera le transport maritime. Il est prévu que le transport maritime de carburant, d'équipement et des fournitures à utiliser sur le site minier et au port de Milne se déroule pendant la saison des eaux libres, soit entre la mi-juillet et la mi-octobre 2016. L'équipement, le carburant et les fournitures nécessaires aux activités de construction et d'exploitation seront transportés au site minier tout au long de l'année par le chemin d'approvisionnement.

Au cours de 2016, il y aura des activités d'exploration incluant la possibilité d'activités de forage sur les terres d'exploration de Baffinland et des activités de forage géotechnique et des enquêtes dans les zones de développement du projet pourraient s'avérer nécessaires pour appuyer les activités d'ingénierie, de conception et de construction du Projet. Les études de suivi des effets sur l'environnement et la collecte de données de base se poursuivront afin d'appuyer la construction et les opérations du Projet. Au besoin, ces activités reprendront sur le site du port de Milne, le long du chemin d'approvisionnement, sur le site minier, sur de nombreux emplacements de carrières et autres secteurs de développement du Projet.

Opérations continues sur le site minier et les campements du port de Milne afin d'appuyer les activités courantes et de construction qui incluent l'utilisation de l'eau et le dépôt de déchets tel qu'autorisé en vertu des permis courants. Opérations continues aux carrières et sources d'emprunt autorisées; on prévoit aussi l'aménagement de carrières et de zones d'emprunt additionnelles identifiées le long du chemin d'approvisionnement et qui seront utilisées en 2016.

Le site du Projet continuera d'être conforme aux diverses exigences réglementaires et à maintenir des liens avec les collectivités. La surveillance environnementale conformément au certificat du Projet, aux permis, autorisations, plans de gestion et plans de suivi des effets sur l'environnement se poursuivra en 2016. Les travaux de sondage archéologique aux emplacements des composants du Projet se poursuivront également selon les besoins.

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SECTION 1.0 - INTRODUCTION

This report to the Nunavut Water Board (NWB) and the Qikiqtani Inuit Association (QIA) has been prepared to summarize the Project activities and monitoring conducted under Baffinland Iron Mines Corporation ("Baffinland") water licences as well as to address reporting requirements set forth in the Commercial Lease No. Q13C301 (the "Lease") agreed upon by the Qikiqtani Inuit Association and Baffinland. The relevant water licences include the new Type A Water Licence 2AM-MRY1325 Amendment No.1, the new exploration Type B Water Licence 2BE-MRY1421, and construction Type B Water Licence 8BC-MRY1416. Concordance tables referencing where in this report the requirements of the reporting outlined in the Commercial Lease and water licences have been met are presented in Appendix A.

The referenced water licences include provisions for sampling programs that involve recording data related to the volume of water extracted for any purpose, testing of effluents (e.g., treated sewage effluents) discharged to the environment, and monitoring water quality within specific Project areas (e.g., surface discharge downstream of construction areas, storm water from a engineered containment structure, sewage and oily water effluent, etc.). These data are summarized and referenced on the completed NWB Annual Report Forms, included as Appendix B, and are described in greater detail in subsequent sections.

Figures 1.1 and 1.2 present the locations of the key areas associated with the Mary River Project where activities in 2015 were undertaken. These areas included Milne Port (Figure 1.3), the Milne Inlet Tote Road (Figure 1.4), and the Mary River Mine Site (Figure 1.5). There were no activities at the Mid-Rail camp (Figure 1.6) and Steensby Port sites (Figure 1.7) during 2015. Both of these camps remained closed and unoccupied during 2015.

Throughout this report, unless otherwise stated, the term, "Type A Water Licence" refers to "Type A Water Licence 2AM-MRY1325, Amendment No.1". Similarly the term, "QIA Commercial Lease", refers to the "Commercial Lease No. Q13C301 Between: the Qikiqtani Inuit Association and Baffinland Iron Mines Corporation".

1.1 SUMMARY OF PROJECT ACTIVITES FOR 2015

The Project activities undertaken in 2015 were conducted at Milne Port, along the Milne Inlet Tote Road, and at the Mine Site. A summary of 2015 Project activities and submissions is summarized in Table 1.1. The general Project activities conducted included the following:

- The continued development and construction of infrastructure required at Milne Port and the Mary River Mine Site (Mine Site) for the Mary River Project.
- Development and operation of the mine, ore crushing and land transportation, stockpiling and marine shipment of ore.
- At Milne Port, vessels carrying fuel, equipment and supplies for both use at the Mine Site and Milne Port arrived during open water season (July to October 2015).
- Material, fuel and supplies required for construction and operational activities were transported to the Mine Site year round via the Tote Road.
- Year-round operation of camp facilities at the Mine Site and Milne Port.

- Operation of the aerodrome at the Mine Site, which supported year round passenger and freight service by aircraft to/from Southern Canada.
- Operation of helicopter and fixed wing aircraft to service regional exploration, environmental baseline studies, environmental monitoring, and other general site activities.
- Care and maintenance of an inactive Steensby Port camp, which was not opened in 2015.
- Continued progressive reclamation of areas of current and past use in association with the historical exploration and bulk sample programs.
- Completion of a regional mineral exploration field program. There was no exploration or geotechnical drilling program conducted during 2015. (A summary of historical exploration drilling programs are provided in Table 1.2.)
- Completion of environmental baseline studies, archaeological surveys and monitoring programs identified in the FEIS and FEIS Addendum.
- Completion of various engineering studies supporting Project design.
- Construction and operation of the upgraded Bruce Head observation camp to support the monitoring program of narwhal response to shipping.

The 2015 Project sealift occurred between July and October 2015 and consisted of the following:

- Two (2) sealift vessels which offloaded consumables, buildings, equipment and materials required for the execution of construction and operational activities at the Mary River Mine Site, Tote Road, and Milne Port.
- The receipt of 36.1 ML of P-50 diesel fuel and 1.95 ML of Jet-A fuel via two (2) ship-to-shore floating hose fuel transfers in September and October to the Milne Port fuel steel tank bulk fuel storage facility.
- The shipment off-site of various waste and hazardous materials generated over the course of the previous year (including waste debris from the ANMAR fire) for disposal in approved/licensed facilities in Southern Canada via sealift to the Port of Valleyfield, Quebec, and subsequent ground transportation to final disposal facilities.

In 2015, Baffinland and QIA developed a reporting template for Work Plans, as required under the Commercial Lease. A version of this template is used, below, to summarize the 2015 Work Plan submission (October 31, 2014), and the status of the activities, therein. The same template is included in section 1.3 for the 2016 Work Plan, and will be utilized in all future work plan reporting.

Property Section	Description	Was the Activity Completed in 2015?
e.g. Milne Inlet/Tote Road/Mine Site	**Provide a detailed description of the activity.***	**-**
Milne Port	Continue to install and commission communication and IT infrastructure.	Ongoing
Milne Port	Continue to construct remaining earth/rock fill for laydown areas, the ore dock, ore stockpile pad, runoff sedimentation collection ponds, and local site roads at Milne Port.	Ongoing
Milne Port	Completion of the construction of the ore dock to support the ship loader and related ship loader facilities.	Yes
Milne Port	Finalize assembly and installation of Shiploader 1 and Shiploader 2.	Yes
Milne Port	Milne Ore Stacking, Reclaim and Ship Loader mechanical and electrical completion, commissioning and start-up.	Yes
Milne Port	Install mooring buoys or dolphins as part of the ore dock construction.	No
Milne Port	Install and commission trailers (offices, lunchrooms and wash cars) including electrical and plumbing.	Yes
Milne Port	Install and commission electrical power systems to the shiploader, trailers, causeway and dock including wharf lighting.	Yes
Milne Port	Complete installation of buildings including maintenance building, workshop office and welding shop.	Yes
Milne Port	Install power supply and distribution for buildings including maintenance shops and warehouses.	Yes
Milne Port	Continued development of the Quarry Q1.	Ongoing
Milne Port	Earthworks including minor pads for maintenance shop, welding shop, truck wash building, as well as additional laydown area required as storage for 2015 Sealift equipment, supplies and materials.	Yes
Milne Port	Construct concrete slabs and foundations for the maintenance shop and welding shop extension. Construct exterior concrete foundations and sump for truck wash building.	No - cancelled/ deferred
Milne Port	Commence construction of the maintenance shop, welding shop extension and truck wash facility.	No - cancelled/ deferred
Milne Port	Expand the existing accommodation complex with additional 120 beds, including mine dry facilities, recreational and dining facilities.	No - cancelled/ deferred
Milne Port	Temporary contractor infrastructure determined and required by construction contractors.	Yes
Milne Port	Upgrade the existing sewage treatment plant.	No - cancelled/ deferred
Milne Port	Modifications to increase capacity of existing potable water treatment plant.	No - cancelled/ deferred
Milne Port	Install an additional hazardous waste containment cell.	No - cancelled/ deferred
Tote Road	Continued Improvements including realignment of the road and offsetting of some culvert crossing locations.	Ongoing
Tote Road	Reduce maximum slopes, increase turn radii, and increase road embankment width.	Ongoing
Tote Road	Increase culvert capacities by means of new installations and/or culvert extensions where required.	Ongoing
Tote Road	Crush material as required, haul, place and compact new rock fill as required.	Ongoing
Tote Road	Installation and maintenance of erosion control measures.	Ongoing
Tote Road	Construct ditches with rip rap as required.	Ongoing

Tote Road	Continue development of Borrow P1. Commence development of Km 2 and Km 97 borrows (located near Km 2 and 97 of the Tote Road). Continue the development of other approved quarry and borrow sources to provide access to aggregate for upgrades and sand for winter sanding, minor fill, and maintenance and other approved construction projects. If required, commence the development of Quarries Q7, Q11, and Q19.	Ongoing
Tote Road	Drill, blast, excavate, and cut and fill activities as required to reduce steep grades and improve curves where necessary and to improve sight distance and visibility along the road.	Ongoing
Tote Road	Removal of the four (4) sea-can bridges (bin walls will remain in place).	Ongoing
Tote Road	Install signs and reflective markers as required.	Ongoing
Tote Road	Bridge maintenance as required.	Ongoing
Tote Road	Installation of Ice road crossings adjacent to the existing bridges if needed to remove sea can bridges and/or to complete maintenance on new bridges.	As needed
Mine Site	Construct, install and grade Waste Rock Haul Road, Waste rock pad, drainage ditches and temporary Waste Rock Settling Pond (permanent settling pond to be constructed in 2016).	Ongoing
Mine Site	Complete construction of buildings and associated equipment including maintenance shops, site services building, warehouse, waste management buildings, truck wash facilities and truck weigh scale.	Ongoing
Mine Site	Complete internal and external fit out (electrical and mechanical) of maintenance building welding shop and warehouse.	Ongoing
Mine Site	Install offices, lunchrooms and wash cars including maintenance office/wash car and pit office/wash car.	Yes
Mine Site	Complete installation of the power generating equipment and install additional generators as required.	No additional Generators
Mine Site	Complete installation of power distribution to E-houses and buildings.	Ongoing
Mine Site	Install E-house at existing Weatherhaven camp.	Yes
Mine Site	Construct hazardous waste and fuel containment berms.	Ongoing
Mine Site	Construct roads and lay down pads.	Ongoing
Mine Site	Construct, install and grade waste rock haul road, waste rock pad, drainage ditches and settling pond.	Ongoing
Mine Site	Construct crusher pad settling pond.	Yes
Mine Site	Finish and improve grade of the airstrip.	Yes
Mine Site	Extend landfill to increase capacity based on the approved design area.	Yes
Mine Site	Install approved two-50,000 L and one-75,000 L Jet-A fuel tanks at the aerodrome apron to service aircraft charters.	Yes
Mine Site	Continued development of QMR2 quarry if required.	Ongoing
Mine Site	Improvements to the aerodrome flight path to increase aviation safety; including the leveling of knolls that are within the airstrip approach and the construction of temporary access roads to those areas for the purpose of completing this work.	No - cancelled/ deferred
Mine Site	Earthworks including extensions to existing accommodation pad, power generation pad deferred and crusher pad. The expansion of the crusher pad is required to provide extra area for blending operations as well as to accommodate the third crusher train.	Only extended crusher pad.
Mine Site	Earthworks to construct pads for ore haul workshop, truck wash facility, construction office and light vehicle parking lot.	Yes except for ore haul workshop.
Mine Site	Construct concrete slabs and foundations for the ore haul workshop and welding shop extension. Construct concrete foundations and sump for truck wash building.	No - cancelled/ deferred
Mine Site	Commence construction of the ore haul workshop, welding shop extension and ore haul truck wash building.	Only constructed ore haul truck wash building.

Mine Site	Construction of a detour road around the existing facilities connecting the crusher pad to the Tote road.	No - cancelled/ deferred
Mine Site	Expand the existing accommodation complex with additional 172 beds, including mine dry facilities, recreational and dining facilities.	No - cancelled/ deferred
Mine Site	Install additional sewage treatment capacity.	No - cancelled/ deferred
Mine Site	Temporary contractor infrastructure determined and required by construction contractors.	Ongoing
Mine Site	Modifications to increase capacity of existing potable water treatment plant.	No - cancelled/ deferred

1.2 REGULATORY FRAMEWORK

Although the key regulatory and legal documents that relate to this report are the Commercial Lease with the QIA and the water licences issued by the NWB, this report is presented also in context of other applicable regulatory authorizations and schedules. Baffinland holds the permits and authorizations required to carry out the work for the future work scope. A listing of the regulatory permits and authorizations that allowed for work to be completed in 2015 is presented below. The reader is referred to the 2015 NIRB Annual Report for a summary of compliance status and report submissions relative to the other key permits and authorizations.

Permit or Licence No.	Licence Name	Status Update for 2015	Expiry
Nunavut Impact Review Board			
No. 005	Amended Project Certificate	All works and activities proposed have been screened by the NIRB and have been considered in the amended Project Certificate issued by the NIRB in May 2014. A NIRB Annual Report is submitted by March 31 of each year summarizes the status of the Project relative to the conditions outlined in the Project Certificate.	N/A
Nunavut Water Board Licences			
2AM-MRY1325	Type A Water Licence	An application to amend the Type A Water Licence to account for activities approved for the Early Revenue Phase was submitted to the NWB on July 16, 2014. Final hearings took place in April, 2015 and was approved on July 31, 2015.	June 30, 2025
2BE-MRY1421	Type B Water Licence	In good standing; no amendments from previous year.	April 16, 2021
8BC-MRY1416	Type B Water Licence	The activities therein are now covered by the amended Type A. As such, the licence was cancelled by the NWB on February 25, 2016.	Cancelled
Crown Land Use Permits and Quarry Permits			
47H16-1-2	Foreshore Area for Milne Port Ore Dock Lease	In good standing; no changes from previous year. Will be renewed.	June 30, 2035
N2014Q0016	Tote Road and Borrow Area Land Use Permit	In good standing; no changes from previous year. Will be renewed.	June 30, 2016
N2014C0013	Steensby Camp Land Use Permit	In good standing, no changes from previous year. Will be renewed.	June 30, 2016

Permit or Licence No.	Licence Name	Status Update for 2015	Expiry
N2014J0011	Bruce Head Land Use Permit	In good standing, no changes from previous year. Will be renewed.	June 30, 2016
Authorizations under the Fisheries Act			
06-HCAA-CA7-0084	Crossings along the Milne Inlet Tote Road Authorization	The authorization remains valid and has been amended over the years. Monitoring and reporting to DFO occurs annually. Baffinland made a request to have the following sea can crossing; STA17 (CV 128), STA 62 (BG50) and STA 80 (CV 217) remain in place until no later than December 31, 2016. This request was approved by DFO on September 30, 2015.	December 31, 2016
NU-07-0050	Upgrades to Tote Road Crossings Letter of Advice	The construction summary report was provided in the 2014 Annual Report to NIRB.	N/A
14-HCAA-00525	Authorization	A monitoring report for the construction of the ore dock was submitted to DFO on January 4, 2016.	December 31, 2020
Approvals under the Navigable Waters Protection Act			
BG50, CV128, CV217, and CV223	Construction of Watercourse Crossings (Bridges and Culverts)	In good standing, no changes from previous year.	Until complete
4306-2-6- P/B	Occasional-Use Marine Facility	The Milne Inlet Marine Facility Security Plan was approved by Trasport Canada on June 5, 2015.	June 30, 2018
Approvals under Nunavut Mine Health and Safety Act			
-	-	In good standing, no changes from previous year.	-
Licence under the Explosives Act			
F76068	Division 1 Factor Licence	Held by explosives contractor for the Project.	-
Leases under the Nunavut Land Claims Agreement			
Q13C301	Inuit Owned Land Commercial Lease	Compliance with the lease is outlined in the *2015 Annual Report to QIA and NWB*.	December 31, 2043

1.2.1 Inuit Impact and Benefit Agreement

On September 6, 2013 Baffinland and the QIA signed an Inuit Impact and Benefit Agreement (IIBA) for the Project. The IIBA applies in particular to Inuit residing in the North Baffin communities of Pond Inlet, Igloolik, Clyde River, Hall Beach and Arctic Bay as the primary affected communities, as well as to all other Baffin Inuit that are represented by the QIA and other Nunavut Land Claim Agreement (NLCA) Beneficiaries. This was a historic signing of mutual benefit to the QIA and its constituents, and Baffinland.

This agreement has a number of sections addressing areas such as wildlife, shipping, Inuit employment, training, cultural awareness, monitoring community impacts and financial compensation. Many of the terms of the agreement are complementary to Project Certificate conditions. The implementation of this agreement is managed by a Management and Executive Committees, which include members from both Baffinland and the QIA. The 2015 implementation report will be filed to QIA on March 31, 2016.

1.3 SUMMARY OF PROJECT PLANS FOR 2016

The 2016 Work Plan was prepared and provided to relevant parties on October 30, 2015 as required under Section 6.1 of the QIA Commercial Lease and under the Type A Water Licence, Part J, Item 3.

The 2016 Work Plan describes the planned continued development and construction of infrastructure required at Milne Port, the Tote Road, and the Mary River Mine Site for the development of the Mary River Project in 2016 and is provided in Appendix C.

SECTION 2.0 - WATER USE AND WASTE DISPOSAL ACTIVITIES

2.1 WATER USE

During 2015, water was withdrawn and used at the Milne Port and Mary River Mine Site under authorization of the Type A and B Water Licences. As per Type A Water Licence condition, Part B, Item 2, in cases where there were conflicts between the Type B Water Licence and the Type A Water Licence, Baffinland proceeded with the terms and conditions of the Type A Licence.

Under authorization of these Licences, fresh water was withdrawn during 2015 to sustain two key activities: potable water supply for camp use, and for miscellaneous (other) uses. The following sections describe water use and the associated authorized sources under the applicable water licences.

2.1.1 Quantities of Freshwater for Domestic, Industrial Purposes and Dust Suppression

Under the Type A Water Licence (Part E, Item 3) and construction Type B Water Licence 8BC-MRY1416 (Part C, Item 1), fresh water for domestic camp use and other purposes was obtained for Mary River Mine Site and Milne Port in 2015. Approved water intake locations for Milne Port, Mary River Mine Site, Mid Rail Camp and Steensby Port are provided on Figures 1.3, 1.5, 1.6 and 1.7 respectively. Water was not withdrawn to support the Mid Rail and Steensby Camps in 2015.

Potable water supply from Inuit-Owned Lands (IOL) for Mary River Mine Site was withdrawn from within a wet well jetty structure positioned 30 m from shore in Camp Lake (MS-MRY-1, Figure 1.5) in 2015. Water was pumped directly from the lake source to water storage tanks located at the exploration camp and to the Potable Water Treatment Plant (see Figure 1.5) via heat traced water pipelines.

In 2015, potable water was supplied to the Milne Port camp using a water truck to deliver water to the camp(s) via the Milne Port Tote Road from the intake location at km 32 lake (MS-MRY-3, Figure 1.3).

Water volumes withdrawn from authorized sources for domestic and industrial purposes in 2015 was completed in accordance with the Type A Water Licence, Part I, Item 9. The total water used for domestic and industrial purposes was monitored for compliance with the maximum quantities at specified locations for various uses stipulated by the terms of the Type A Water Licence, Part E, Item 3 and from the Type B Water Part C, Item 1. Industrial uses for freshwater included dust suppression at both the Mary River Mine Site and Milne Port. At Milne Port marine water was also withdrawn from Milne Inlet for the use of dust suppression for which reporting to the QIA and NWB is not required.

In 2015, there was no exceedance of the authorized 657.5 m^3/day daily water withdrawal limit for the Mine Site camp under Type A Water Licence.

There were no exceedances in water consumption at Milne Port based on the allowable 68.5 m^3/day (Type A Water Licence, Part E, Item 3) and 49 m^3/day (8BC-MRY1421, Part C, Item1) for domestic camp use, and an allowable 250 m^3/day (8BC-MRY1421, Part C, Item 1) for construction or industrial purposes. Upon receipt of the Type A Water Licence Amendment No. 1 the daily water withdrawal limit was increased to 367.5 m^3/day. This limit was not exceeded in 2015.

Refer to Table 2.1 for a summary of daily, monthly and annual volumes of freshwater (potable and otherwise) from IOL in camps during 2015. There was no freshwater withdrawn from Crown Lands in 2015.

2.1.2 Quantities Freshwater for Drilling

No geotechnical or geological delineation drill programs were performed in 2015. Therefore there was no fresh or sea water used for drilling in 2015

2.1.3 Reclaimed and Recycled Water

There was no recycled or reclaimed water used for construction activities or other uses in 2015.

2.2 SEWAGE, WASTE AND GREYWATER MANAGEMENT

Sewage and waste were generated and discharged/disposed under the Type A and Type B Water Licences. As per Type A Water Licence condition, Part B, Item 2, in cases where there were conflicts between the Type B Water Licence and the Type A Water Licence, Baffinland proceeded with the terms and conditions of the Type A Licence.

2.2.1 Quantity of Treated Sewage Effluent and Sludge from WWTF and PWSPs

Throughout 2015, treated sewage effluent and sludge were generated at Project Waste Water Treatment Facilities (WWTFs) which utilized Membrane Bioreactor (MBR) technology.

The monthly and annual quantities of treated sewage effluent discharged at the Mary River Mine Site and Milne Port Camp WTTF's in 2015 are presented in Table 2.4. In 2015, sewage was treated or stored at the following locations:

Mary River Mine Site MBR Plant (MS-01)

Mary River Mine Site PWSPs (MS-MRY-4a, b, & c)

Milne Port MBR Plant (MP-01)

Milne Port PWSP (MP-01a)

Polishing Waste Stabilization Ponds (PWSPs) constructed at Mary River and Milne Port received and contained treated sewage effluent that did not meet direct discharge criteria for discharge to the receiving environment. Quantities of sewage effluent discharged to Project PWSPs are provided in Table 2.4. During upset conditions, when untreated sewage was required to be removed from accommodation complex lift stations and/or Project WWTFs (during maintenance), the sewage was transported and discharged to PWSPs for temporary storage, and eventual treatment/ discharge to the receiving environment, in accordance with the Type A Water Licence Part F, Item 17-18. Refer to Section 5.1.1 for additional information pertaining to 2015 PWSP treatment and pre-discharge monitoring. Quantities of sewage diverted to the PWSPs from accommodation complexes are provided in Table 2.4.

In 2015, treated effluent meeting criteria identified in the Type A Water Licence Part F (Items 17-18), was direct discharged via a dedicated pipeline from the Mary River WWTF to the approved discharge locations located near Mary River (refer to Figure 1.5). At Milne Port, treated effluent from the WWTF was transported to the discharge location at Milne Inlet via vacuum truck; the existing discharge lines required further construction and commissioning. Quantities of treated sewage effluent discharged to authorized discharge locations are provided in Table 2.4.

Dewatered sludge (cake) generated at project sites in 2015 was removed daily and transported to camp incinerators for disposal. Refer to Table 2.4 for the volume of cake removed from project WWTFs.

Refer to Figures 1.3 and 1.5 for WWTFs and related infrastructure (PWSPs) located at Milne Port and Mary River.

2.2.2 Quantity of Treated Waste Water from Oily Water Treatment Facility (OWTF)

In 2015, the mobile Oily Water Treatment Facility (OWTF) was used to process hydrocarbon impacted water from the Mary River Fuel Bladder Farm (MS-MRY-6) from July 10 to 16, and at the Milne Port Landfarm Facility (MP-04) from August 24 to 26.

The water collected in the Milne Port Landfarm Facility (MP-04) sump was pumped into the snow containment pond prior to commencing treatment on August 24, 2015.

The oily water treatment system was effective at removing the organic constituents of 'oil and grease' to "non-detect" concentrations which were acceptable for discharge. In accordance to the Type A Water Licence (Part F, Item 22 and 23), periodic sampling and analyses by independent laboratory were conducted for applicable Water Licence effluent parameters. Sampling and analyses were also conducted in the field on a daily basis utilizing a portable total oil and grease (TOG) analyzer. Approximately 274 m^3 (204 m^3 at MS-MRY-6 and 70.0 m^3 at MP-04) of effluent was released to the receiving environment to the adjacent ground surface (refer to Table 2.2). The nearest aquatic receiving environment (fish habitat) was located a distance of more than one kilometre from the point of discharge at both locations. The drainage pathways at both locations were characterized by disconnected and ephemeral drainages. A proportion of the effluent was observed to infiltrate into the ground surface adjacent to the discharge locations.

2.2.3 Quantity of Effluent from Surface Water Management Ponds

While construction of the ore stockpile sedimentation ponds (east and west) at Milne Port was completed in 2014 (refer to the 2014 QIA and NWB Annual Report), final grading of the ore stockpile pad and diversion ditches remained ongoing. In 2015, the ore stockpile sedimentation ponds in Milne Port did not receive measurable quantities of surface water diverted from the ore stockpile pad. Redirected surface water was not observed to accumulate within the sedimentation ponds, and there was, therefore, no requirement for discharge to Milne Inlet.

In 2015, surface water from the Mine Site waste rock stockpile was diverted into a temporary sedimentation pond (MS-08) while the permanent settling pond was being constructed. Monitoring of waste rock stockpile sedimentation pond discharges was completed daily, during periods of flow in July and August, with a Badger M5000 magnetic flow meter.

Ditching for the crusher pad sedimentation pond at Milne Port (also constructed in 2015) (refer to Appendix D.1 for the Construction Summary Report for the crusher pad sedimentation pond) commenced in 2015. Due to low flows in the area, significant volumes of water did not accumulate within the sedimentation pond, and discharge was not required. Some re-contouring of the crusher pad drainage system will be required in 2016 to effectively divert surface water to the sedimentation pond should flows be measurable.

With regard to the ore stockpile pad, crusher pad, and waste rock stockpile, it is predicted that cold temperatures within the pads/stockpile would tend to freeze infiltrating precipitation, therefore further reducing flows in a normal year.

During periods of active flow and following rainfall events, surveys of the toe of the above structures is undertaken and downstream water quality conducted. The results of this monitoring indicated that mine

runoff was not bypassing the constructed sedimentation ponds and impacting the downstream environments.

Table 2.3 provides the monthly and annual quantities of effluent discharged from the ore waste rock stockpile sedimentation pond.

2.2.4 Solid Non-Hazardous and Hazardous Waste Management

Camp Incinerators

In 2015, Mary River and Milne Port incinerators were operated throughout the year to burn and incinerate project solid waste as per and regulatory guidelines including Canadian Wide Standard (CWS)(*Government of Nunavut - Environmental Guideline for the Burning and Incineration of Solid Waste by the Department of the Environment, 2012*) and *Baffinland's Waste Management Plan (BAF-PH1-830-P16-0028).* Refer to Section 7.6 for information pertaining to 2015 monitoring activities completed for incinerator ash generated at Project Waste Management Facilities.

Non-Hazardous Landfill Facility

In 2015 all inert, non-combustible (plastics, cement, used construction materials, scrap metal, pipes, glass, etc.) waste generated by Project activities were disposed of at the Mary River Landfill Facility. Non-hazardous waste, including ashes from the incineration and open-burning of clean wood processes, and waste which could not be salvaged or incinerated, was also deposited at the Landfill Facility. Disposal of all domestic (food) waste, hazardous and biomedical materials at the Landfill Facility is prohibited. Visual inspections were completed throughout 2015 for various components and operation of the Landfill Facility as per Baffinland's Landfill Maintenance and Operation Manual (refer to *Baffinland's Waste Management Plan - BAF-PH1-830-P16-0028)*.

Table 2.5.1 provides the monthly and annual quantities of waste disposed of at the Mary River Non-hazardous Landfill Facility in 2015. Since the commissioning of the landfill facility in 2008 a total of approximately 19,000 m^3 of non-hazardous waste has been placed in the facility.

Hazardous Waste Materials Handling and Disposal

In 2015, there were two sealift backhaul events. The first sealift vessel departed Milne Inlet on August 31st and the second on October 3rd carrying non-hazardous and hazardous waste materials generated and stored onsite after the 2014 backhaul. Prior to the backhaul, non-hazardous and hazardous waste materials were collected, packaged and manifested at Milne Port under the direction of Qikiqtaaluk Environmental (QE). Shipment offsite was completed under the direction of Clean Harbours for transport to licenced waste receiving facilities in Southern Canada. Appendices E.1 and E.4 provide additional information pertaining to Baffinland's waste management program and shipping manifests identifying materials shipped offsite in 2015, and disposed/recycled at approved waste management facilities. The Certificates of Disposal / Treatment – Storage and Transfer are also presented.

Non-hazardous waste and hazardous waste materials back-hauled off site in 2015 were regulated by the Transportation of Dangerous Goods Act (TDGA) included (in alphabetical order):

- Ammonium Nitrate
- Compressed gas cylinders
- Gasoline

- Paint
- Waste aerosol cans
- Waste Flammable Liquids
- Waste fuel
- Wet-acid batteries and dry batteries (containing potassium hydroxide).

Non-hazardous waste and hazardous waste materials back-hauled off site in 2015 not regulated by the TDGA included (in alphabetical order):

- Contaminated ash
- Contaminated oily solids
- Contaminated soil
- Contaminated water
- Domestic waste
- Electrical waste (e-waste)
- Inorganic, solid
- Kitchen grease
- Lab Waste
- Oil Filters
- Oily Water Treatment Facility (OWTF) activated carbon
- Organic liquid
- Waste glycol
- Waste oil.

Hazardous waste and waste material (designated for disposal off-site) generated after the 2015 sealift backhaul is currently being sorted and stored in designated waste storage areas where it will be packaged and prepared for the 2016 sealift backhaul.

In 2015, quarterly inventories were completed for hazardous waste stored in hazardous waste berms at Milne Port and the Mary River Mine Site. Hazardous waste berm inventories are provided in Appendix E.1.

Hazardous materials and hazardous waste are managed on-site as described in Baffinland's Hazardous Materials and Hazardous Waste Management Plan (*BAF-PH1-830-P16-0011*).

The following waste management facility locations are identified in Figures 1.3 and 1.5:

- Waste management buildings incinerators
- Mary River Non-Hazardous Landfill Facility and access road
- Hazardous waste containment areas
- Milne Port Landfarm Facility

Table 2.5 provides coordinates for various temporary and permanent waste storage areas used during 2015.

Open Burning

Untreated wood, cardboard, and paper products generated on-site are disposed of by authorized open-burning. Open-burning disposal reduces the volume of inert waste disposed at the Landfill Facility. When required, authorized open burning was conducted throughout 2015 as a method to dispose of untreated wood, cardboard, and paper products generated on-site as per Baffinland's "*Open Burning of Untreated Wood, Cardboard and Paper Products Procedure*" (refer to Baffinland's Waste Management Plan - BAF-PH1-830-P16-0028).

Only waste suitable for open-burning is segregated for open burning disposal. Baffinland's open-burning authorization prohibits the burning of hazardous wastes, non-combustible materials, food waste, plastics, Styrofoam or treated wood products (plywood). To ensure removal of prohibited, secondary waste segregation is completed during the loading process at Project open-burn facilities.

Bottom ash generated from open burn activities are suitable for landfill disposal.

Landfarm Facility

The Milne Port Landfarm facility consists of two geomembrane lined containment cells. The larger west cell is used as a landfarm for the biotreatment of soils contaminated by hydrocarbons from spills.

The smaller east cell is used primarily for the containment of hydrocarbon contaminated snow collected during winter operations. It is also used as a repository for other sources of oily water at site and provides a practical location where oily water can be effectively treated. In August 2015 the mobile oily water treatment system was used to treat oily water that had accumulated in during 2014 and 2015 (refer to Section 2.2.2 and Table 2.2).

In 2015, contaminated soils generated onsite were placed and spread during summer months for remediation through natural microbiological and evaporative processes. Table 2.5.2 provides the monthly and annual quantities of soil disposed of at the Milne Port Landfarm Facility. Further treatment in accordance with the Landfarm Operation Maintenance and Monitoring Manual (BAF-PH1-320-T07-0005 r0) will be undertaken during the 2016 summer season.

2.2.5 Ore and Waste Rock Quantities

Production blasting in the Deposit No. 1 Pit (Nuluujaak Pit) continued throughout 2015. Ore was transported to the crushers and screening units located at the Mary River Mine Site for processing and year-round transport to Milne Port via the Tote Road. The ore is stored on an ore stockpile pad to await loading onto ore carrier ships utilizing two ore shiploaders. Table 2.5.3 presents the monthly and annual mined quantities of ore and waste rock removed from the pit. A total of 1.329 MT of ore and 1.386 MT of waste rock were generated during 2015. The waste rock was analytically tested based on operational testing protocols developed for the waste rock (refer to approved Waste Rock Management Plan (BAF-PH1-830-P16-0029 r0 - Phase 1) and determination is made regarding whether the material is considered to be Potentially Acid Generating (PAG) or Non-Potentially Acid Generating (NPAG). The NPAG waste rock was utilized for construction purposes or used to construct the waste rock storage pad. The results of the geochemical operational testing program are provided in Section 7.9 and Appendix E.5.

SECTION 3.0 - SPILLS

During 2015, forty-two (42) spills (including the 55 m^3 of impacted water from the April 15, 2015 Anmar Shop Fire) were reported to the Nunavut Spill Line, Water Licence inspector and QIA. These spills met or exceeded the reporting threshold as outlined in the Nunavut Spill Contingency Planning and Reporting Regulations. In addition to the required Spill Line report, a more detailed follow-up report was filed within thirty days of each reported spill that included a description of the event together with the immediate cause, corrective and preventative action, and a map showing the location of the spill. The forty two spill events are summarized in Table 3.1 and locations are shown in Figure 1.9. The follow-up spill reports and original spill reports are provided in Appendix E.7.4. The follow-up spill reports detail basic causes and short/long term corrective actions. This information is also summarized in Table 3.1.

Nineteen of the reported spills occurred at Milne Port, twenty two at the Mary River Mine Site, and one along the Tote Road. Twenty seven of the reported spills were untreated sewage, five spills were diesel, three spills were hydraulic fluid, three spills were engine oil, and one each of oily water, de-icing fluid and diesel exhaust fluid. In addition, one spill of impacted water from fighting the April 2015 Anmar shop fire was reported. The diesel spills occurred mainly in lined engineered containment and therefore here was negligible impact to the receiving environment.

The majority of spills experienced during 2015 were untreated sewage spills totalling 18.66 m3 occurring at the Project Site accommodations complexes. Faulty design/construction of the gravity fed sewage system was identified as the primary cause of these sewage spills. To address this deficiency, the gravity fed sewage lines on the exterior of the majority of the Project Site accommodation wings were upgraded to increase the physical flexibility of the gravity sewage lines and to reduce ambient temperature related expansion and contraction which was occurring at dorm room joints/couplings. Regular and frequent inspections to identify early signs of spills are also conducted of the camp sewage systems.

2015 Unauthorized Discharges		
Product Spilled	**Number of Spills Reported**	**Total Litres of Product Spilled**
Sewage (untreated)	27	18660
Fuel - Diesel	5	1200
Diesel Exhaust Fluid	1	200
Engine Oil	1	1
De-icing Fluid	1	300
Hydraulic Fluid	3	601
Oily Water	1	1000
Used Engine Oil	1	1000
Waste Oil	1	300
Total	**41**	
***One impacted water spill (55 m^3) from the 2015 Anmar Shop Fire was also reported.**		

Baffinland keeps track of all minor spills not reportable to the Spill Line (internal reporting and follow-up action) and Inspectors have the opportunity to review this information when conducting inspections at site.

An analysis of the reportable spills during 2015 indicated that the basic causes for the spills included equipment failure issues (design issues, defective equipment, preventive maintenance), weather conditions (temperature extremes), and procedural (inadequate procedure or training). Baffinland continues to work to

identify basic causes so that effective long term corrective actions can be implemented. Mandatory spill reporting enforced at all levels in the organization, improved preventive maintenance plans, daily pre-operational checks of all equipment, spill tray usage bulletins, tool box meetings, prescribed training sessions, specific product handling and spill reduction plans are all examples of initiatives to reduce unauthorised discharges.

Prior to the 2016 fuel resupply, Marine Spill Response Training, was provided by external consultants at Milne Inlet July 31st to August 1st, 2015. The spill training provided specific training that provides Baffinland's Emergency Response Team with the skills needed to safely and effectively respond to marine spills that could potentially occur. During the training, the Project Emergency Response Plan (ERP), Spill Contingency Plan (SCP) and Milne Inlet Oil Pollution Emergency Plan (OPEP) documents were reviewed, as well as the Incident Command structure. During the practical deployment exercises, the responders are provided with the opportunity to learn and then practice skills responding to marine spills using the Milne Inlet resident spill response gear. The findings related to the training are used to inform revisions to the OPEP, ERP and SCP.

On June 26 and 27, 2015, there was a snowmelt event along with heavy rains on the Mine Haul Road which caused some erosion of the road embankment and ditching system, especially between kms 107 to 108. The event resulted in some short term siltation to Mary River, via a non-fisheries drainage. In accordance with the Water Management Plan, water management controls were implemented, that included construction of numerous silt fences, check dams, and the redirection of water to natural sumps with ditches using mechanical equipment. The situation had stabilized and monitoring in Mary River on June 28 showed normalized conditions with regard to sediment levels.

DFO, AANDC, QIA, and Environmental Canada were notified of the event via email on June 29, 2015. A QIA Inspector was at site at the time of the incident, and was able to view the sections of the Mine Haul Road that were associated with the incident, the downstream areas affected, the mitigation measures/controls implemented, and the follow-up monitoring that was undertaken.

A follow-up report was issued to DFO, AANDC, QIA, and Environment Canada on July 6, 2015. The Incident details/actions, monitoring/sampling results, and conclusions/corrective actions were included in the follow-up report, which is provided in Appendix E.7.4 of this Annual Report.

SECTION 4.0 - MODIFICATIONS

Modifications or major maintenance work were not undertaken during on water or waste related structures during 2015.

SECTION 5.0 - MONITORING

5.1 SEWAGE DISPOSAL

Sewage generated by Project activities is managed by the processes and procedures described in Baffinland's Fresh Water, Sewage and Wastewater Management Plan (BAF-PH1-830-P16-0010) in accordance with Type A Water Licence, Part F Items 17 to19.

During 2015, sewage generated from Project sites was directed to the WWTFs located at Milne Port and the Mary River Mine Site, or as otherwise approved by the Board. Treated effluent was discharged to freshwater (Mary River) and directly into the ocean (Milne Port) in accordance with the applicable effluent discharge limits as outlined in the Type A Water Licence.

Table 2.4 provides monthly and annual quantities of treated sewage effluent and sludge from Project WWTFs.

Table 5.2 provides water quality monitoring results for treated effluent discharged from Project WWTFs (MS-01 and MP-01) during 2015.

5.1.1 2015 Milne PWSP Treatment System

In accordance with the PWSP treatment and discharge strategy as presented in the approved Fresh Water Supply, Sewage and Wastewater Management Plan (BAF-PH1-830-P16-0010), treated effluent stored in the Milne Port PWSPs (MP-01a) was treated and discharged to Milne Inlet from the period August 27 to 31 (476 m^3 total).

The sewage effluent in MP-01a was compliant for all discharge parameters except TSS and pH (Type A Water Licence Part F, Item 18) due to the presence of algae. To address this problem, Baffinland retained AMEC Foster Wheeler to provide technical guidance and expertise regarding the treatment of the non-compliant effluent in the PWSP. Prior to discharging to Milne Inlet, MP-01a water was processed through a portable treatment system in which sulphuric acid and flocculant were added to lower the elevated pH and remove suspended solids to meet discharge criteria. A portable dissolved air flotation tank (DAF) was incorporated into the system to assist with solids separation and removal.

The suspended solids/sludge from the process was removed from the DAF tank by an automated skimming device and transferred to totes which were then sealed and stored in Milne Port Hazardous Waste Berm for off-site disposal.

During the discharge process, monitoring in the field was conducted frequently to ensure that pH, TSS and turbidity levels remained within parameter thresholds. In the event of an internal monitoring exceedance, the effluent discharge was immediately stopped and recirculation established back to the storage pond, until such time that water quality criteria were again achieved.

5.2 STORM WATER FROM CONTAINMENT AREAS

Prior to discharging storm water from the lined containment areas servicing the bulk fuel storage facilities and hazardous waste berms at Milne Inlet and Mary River, in accordance to the Type A Water Licence (Part F, Item 9), accumulated storm water from rain and snow must be tested and treated and required to conform with Type A Water Licence (Part F Items 22 and 23) effluent water quality limits. These criteria have been established in the water licence to protect receiving waters from the discharge of residual hydrocarbons, and associated contaminants that may be present. Table 2.2 highlights monthly quantities of treated oily water

discharged in 2015, and Table 5.2 presents the external laboratory effluent analytical results for the Mobile Oily Water Treatment Facility (OWTF).

In 2015, the mobile OWTF was used to treat hydrocarbon impacted water from the Mary River Fuel Bladder Farm (MS-MRY-6) from July 10 to16 and at the Milne Port Landfarm Facility (MP-04) from August 24 to 26.

The treatment system was effective at removing the organic constituents of 'oil and grease' to "non-detect" concentrations which were acceptable for discharge. Periodic scheduled sampling and analysis of the total oil and grease (TOG) concentration of effluent by independent laboratory and daily by means of a field TOG analyzer confirmed compliance, in accordance to the Type A Water Licence, Part F Item 23. Approximately 273.5 m^3 (203.9 m^3 at MS-MRY-6 and 69.6 m^3 at MP-03) of effluent was released to the receiving environment to the adjacent ground surface, infiltrating into the soil or following disconnected ephemeral drainages (refer to Table 2.2). From the point of discharge, there were no direct flow pathways to the nearest aquatic receiving environments (fish habitat) which were located more than one kilometre from the discharge points at both locations.

5.3 SURFACE RUN-OFF AND SEEPAGE

In accordance to the terms of Amended Type A Water Licence (Part I, Item 14), surface run-off/ seepage from all facilities designed to contain, withhold, divert and retain water or wastes were monitored during periods of flow and after major rainfall events. These included the Deposit 1 mining area (formerly bulk sample pit and ore stockpiles from 2008 Bulk Sample Program), the non-hazardous landfill, the Milne Port Ore Stockpile Pad and Sedimentation Ponds, the Mine Site Ore Stockpile and Sedimentation Pond and the Mine Site Waste Rock stockpile Sedimentation Pond. The monitoring locations for the Mine Site and Milne Port are presented in Figures 1.5 and 1.3 respectively and in Table 5.1.

In accordance with the terms of the Amended Type A Water Licence Schedule I, these monitoring stations were monitored, during periods of flow, for the required parameters to protect receiving waters from the identified potential contaminants. In 2015, there was little discernible surface discharge from many of the monitored areas due to a combination of the geographic location of the monitoring station, porous soils, and cold temperatures within the ore and waste rock piles that would tend to freeze infiltrating precipitation. Based on hydrological monitoring of nearby streams, flows during 2015 were observed to be low, for some locations, the lowest on record. A summary of the monitoring stations and sampling events is provided below:

- Station MS-MRY-9 represents water flow/ seepage from the 2008 Bulk Sample pit. During 2015, no flows were observed from this monitoring station and subsequently samples were not taken. This area has been repurposed into a laydown and the monitoring station has become inactive.
- Station MS-MRY-10 represents the samples collected from the 2008 Bulk Sample weathered ore stockpile located adjacent to the bulk sample pit. During 2015, no flows were observed from this monitoring station and subsequently samples were not taken. This area has been repurposed into the growing Deposit No. 1 Pit, and the monitoring station has become inactive.
- Station MS-MRY-11 represents surface runoff from the 2008 Bulk Sample coarse and fine ore stockpiles at the Mary River Mine Site. The majority of these stockpiles have been removed or capped due to construction and development of the area. During 2015, no flows were observed from this monitoring station and subsequently samples were not taken. Hence, this monitoring station has become inactive.

- Station MP-MRY-12 represents runoff/seepage originating from the Milne Bulk Sample Stockpile. The Milne Port ore dock and ore pad construction has impacted this area and this monitoring location is now within the footprint of these new facilities. During 2015, no flows were observed from this monitoring station and subsequently samples were not taken. Hence, this monitoring station has become inactive.
- Station MS-MRY-13a and 13b represent the surface runoff sample locations for the Mine Site Landfill. In 2015, flows began on June 3, 2015 and samples were taken on multiple occasions but by the end of June the flows had begun to dry up. Therefore a full set of samples was not taken in July. August saw more rainfall events creating flows that allowed for multiple sample events; freeze up of the monitoring stations occurred end of August.
- Station MP-05 and MP-06 represent the two sedimentation ponds that collect seepage/runoff from the Milne Port Ore Stockpile. Final grading of the ore stockpile pad and diversion ditches remained ongoing in 2015, therefore the ore stockpile sedimentation ponds in Milne Port did not receive surface water diverted from the ore stockpile pad. The limits of the Milne Port Stockpile pad were monitored for evidence of runoff/seepage during the summer months but none was observed likely due to low flows and cold temperatures within the core of the ore stockpiles that would tend to freeze infiltrating precipitation.
- Station MS-06 represents the seepage/runoff from the Mine Site Crusher Stockpile pad. Final grading of the crusher stockpile pad and diversion ditches remained ongoing in 2015, therefore the crusher stockpile sedimentation pond at the Mine Site did not function to receive all surface water diverted from the ore stockpile pad. During periods of flow, surveys at the toe of the stockpile pad and water quality monitoring downstream of the pad were conducted to verify mine runoff was not bypassing the constructed sedimentation pond and impacting the downstream environments. No flows or effects were observed downstream of the stockpile.
- Station MS-08 represents the seepage/runoff from the Mine Site Waste Rock Stockpile (Dump). During 2015, a temporary Waste Rock Sedimentation Pond was constructed and captured runoff and seepage by means of a series of upstream swales and ditches. Monitoring of MS-08 was completed for periods of flow and discharge from the Sedimentation Pond during July and August and samples were collected. Flows began in early July, in general were low and intermittent, and freeze up occurred shortly after August 20, 2015.

In accordance to the terms of the Type A Water Licence, Part I, Item 27, the water quality results for these locations are provided in Table 5.2 and are compared to their applicable water licence discharge criteria stipulated by Schedule I. The 2015 sampling events for the monitoring stations outlined above indicated that there were no exceedances of effluent discharge criteria limits.

5.4 SURFACE RUNOFF AND/OR DISCHARGE DOWNSTREAM OF CONSTRUCTION AREAS AND QUARRIES

In accordance to the terms of Type A Water Licence (Part I, Item 25), surface runoff and/or discharge was monitored at stations established downstream of construction and operation areas at Milne Port and the Mary River Mine Sites. Surface discharge monitoring locations are presented in Figures 1.3 and 1.5, and in Table 5.1. In accordance to the terms of Type A Water Licence (Part I, Item 27), the water quality results for these locations are provided in Table 5.2 and are compared to applicable water licence discharge criteria. Daily

discharge volumes were also measured where practicable at or near the surface runoff monitoring locations. These flow data and the methods used are presented in Appendix E.3.

Refer to Baffinland's Surface Water and Aquatic Ecosystems Management Plan (Baffinland Document No. BAF-PH1-830-P16-0026) which details the best management practices that are implemented as required to mitigate the impacts of sedimentation and erosion on the receiving waters, aquatic ecosystems, fish and fish habitat areas within the Project Development Area (PDA).

In accordance to the terms of Type A Water Licence (Part I, Item 23), runoff and/ or discharge water quality monitoring from borrow pits and Quarry Sites was conducted during 2015.

There were two exceedances of runoff water quality criteria from samples collected downstream of construction quarry locations during the 2015 open water season at Milne Port. On June 3, 2015, exceedances of Total Suspended Solids (TSS) were recorded at monitoring locations MP-Q1-01 and MP-Q1-02, 113 mg/L and 203 mg/L, respectively. These exceedances were caused by rapid melt of drainage that had entrained sediments in the snow. The elevated TSS levels were short term in nature and were managed by means of excavation of dirty snow and the installation of silt fences.

In accordance to the terms of Type A Water Licence (Part I, Item 27), results of sampling downstream from Quarry Q1 at Milne Port and Quarry QMR2 at the Mary River Mine Site are presented in Table 5.2 and are compared to applicable water licence criteria. The monitoring locations are presented on Figures 1.3 and 1.5, and Table 5.2. In accordance to the terms of Type A Water Licence (Part I, Item 23), acute toxicity testing was also performed at surface runoff and/ or discharge locations from the Quarry Q1 at Milne Port and the Quarry QMR2 at the Mary River Mine Site during 2015 and results are presented in Table 5.3 of this report. A review of the water quality results indicate that results were below water licence criteria and were not acutely toxic.

5.5 QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC)

Water quality samples related to monitoring programs being carried out in support of Baffinland's Mary River Project are presented in Table 5.2 of this report. Samples collected for testing follow the general recommendations presented in *Quality Assurance (QA) and Quality Control (QC) Guidelines for use by Class A Licensees in Meeting SNP Requirements and for Submission of a QA/QC Plan* (INAC, 1996).

Field QA/QC procedures adopted by the Mary River Project are described in detail in Baffinland's BAF-PH1-830-P16-0001 r1 - Sampling Program - Quality Assurance and Quality Control Plan (the QA /QC Plan) . The field QA/QC samples consist of the collection of field duplicates, field blanks, and the use of travel blanks. Of the 353 discrete sets Water Licence regulatory samples collected in 2015, field QA/QC samples (25 duplicates, 7 field blanks and 5 travel blanks) comprised 10.5% of the total samples collected. This met the minimum ten percent QA/QC minimum sample requirement as stipulated in the QA/QC Plan. The results and interpretation of the QA/QC program are presented in Table 5.4 of this report.

Laboratory analyses of water samples were carried out by three accredited analytical laboratories during 2015. A laboratory operated by ALS Environmental located in Waterloo, ON, run by ALS Canada Ltd. performed the majority of sample analyses in 2015. An on-site accredited field laboratory, located at the Mary River Mine Site[1], also operated by ALS Canada Ltd. performed select analyses in 2015 (pH, TSS, Turbidity), reducing logistical costs, while providing timely results. Toxicity testing was conducted by Aquatox Testing & Consulting Inc., located in Guelph, ON, subcontracted by ALS.

[1] Mary River Mine Site accredited laboratory operated by ALS Laboratory Group commenced operation in September 2014.

The results for the field QA/QC program are generally acceptable, however, there was some variation in field duplicates as indicated by percent differences of greater than 50%. A percent difference of greater than 50% was reported for Total Kjeldahl Nitrogen for MS-01 on June 17, 2015. The above sample was treated sewage effluent and variation seen in the field duplicates for this type of monitoring can be attributed to normal variability in the effluent stream. MP-01 and MS-01 Blanks (Travel, Field) collected on June 17 and Sept 23 had result values greater than their respective parameter MDLs. The result values greater than their respective parameter MDLs were within 3 times the value of each parameter MDL. Sampling artifacts or laboratory analytical error could have contributed to these elevated values.

ALS Environmental adheres to a designated QA/QC Management System which includes documentation and document control, staff training and internal audits. The practices exceed accreditation requirements for high confidence in data reliability utilising:

- Use of calibration verification standards and drift control standards.
- Use of surrogate standards and internal standards.
- Replicate analyses and blanks on submitted samples.
- Use of standard reference materials (SRM's) and matrix spikes.
- Standards Data Quality objectives are established for each QC sample, based on a combination of reference method objectives, customer requirements and historical test method performance.

The laboratory QA/QC data is reported in individual analytical certificates and the analytical results must lie within established QA/QC criteria prior to being issued to Baffinland

5.6 AQUATIC EFFECTS MONITORING PROGRAM (AEMP)

The Aquatic Effects Monitoring Plan (AEMP) document was submitted to the NWB and QIA for review on November 1, 2015, as required for by Part I Item 2 of the Amended Type A Water Licence.[2] A revised AEMP which has been informed by the results from the 2015 AEMP study reports (the first full year of mine operation), has been issued with or shortly after submission of this annual report. The AEMP describes how monitoring of the aquatic environment will be undertaken at the Mary River Project. The AEMP was identified as a follow-up monitoring program in Baffinland's Final Environmental Impact Statement (FEIS; Baffinland, 2012) and is prescribed by the Amended Type A Water Licence. The AEMP, specifically, is a monitoring program designed to:

- Detect short-term and long-term effects of the Project's activities on the aquatic environment resulting from the Project;
- Evaluate the accuracy of impact predictions;
- Assess the effectiveness of planned mitigation measures; and
- Identify additional mitigation measures to avert or reduce unforeseen environmental effects.

The AEMP focuses on the key potential impacts to freshwater environment valued ecosystems components (VECs), as identified in the Final Environmental Impact Statement and Addendum for the Early Revenue Phase (ERP). The freshwater VECs include water quantity, water and sediment quality, and freshwater biota

[2] Baffinland Iron Mines Corporation. 2015b. Mary River Project – Aquatic Effects Monitoring Plan, Rev. 1. October 30, 2015.

and fish habitat. The AEMP has been structured to serve as an overarching 'umbrella' that conceptually provides an opportunity to integrate results of individual but related aquatic monitoring programs.

The following are the component studies that comprise the AEMP. The 2015 study reports are provided in Appendix E.10:

- Core Receiving Environment Monitoring Program (CREMP), provide a basis for the evaluation of any mine-related influences on water quality, sediment quality and/or biota (including phytoplankton, benthic invertebrates and/or fish) within aquatic environments located near the mine. The 2015 study report is provided in Appendix E.10.1.
- Lake Sedimentation Monitoring Program, evaluating baseline and project-influenced lake sedimentation rates. The 2015 study report is provided in Appendix E.10.2.
- 2015 Hydrometric Monitoring Program, a streamflow monitoring program which supports the AEMP. The 2015 study report is provided in Appendix E.10.3.
- Dustfall Monitoring Program, evaluating dustfall rates in proximity to the road, port and mine. The 2015 study report is provided in the Annual 2015 Report to the NIRB.
- Stream Diversion Barrier Study, an initial study evaluating potential for fish barriers under natural conditions and due to Project-related stream diversions. This study has been deferred due to the low impact anticipated by the much reduced footprint of the Waste Rock Storage Area during the Early Revenue Phase of the Project.
- Environmental Effects Monitoring (EEM) Program, as required under the Metal Mining Effluent Regulations (MMER); First Study Design submission to Environment Canada required by July 10, 2016 one year prior to the Mine becoming subject to Metal Mining Effluent Regulations.

The 2015 AEMP study reports outlined above and provided in Appendix E.10 include the evaluation of Project related influences on chemical and biological conditions at mine-exposed water bodies following the first full year of mine operation.

SECTION 6.0 - CLOSURE

6.1 PROGRESSIVE RECLAMATION

Throughout 2015, the following progressive reclamation of areas of current and past use in association with exploration and construction phases of the Project were completed:

- Ongoing long term management of calcium chloride salt storage and use at the Project Site. This included waste segregation of salt bags and proper disposal of collected materials in accordance with Baffinland's Waste Management Plan (BAF-PH1-830-P16-0028) as well as identifying and containing compromised salt packages to prevent materials being distributed around the site. Currently salt is stored at both the Mary River Mine Site and Milne Port Site for use in future exploration drilling as well as for dust suppression on Project roads and camp pads.
- The Borrow Source Reclamation Plan, Milne Inlet Tote Road, Km 97 was submitted to AANDC on June 19th, 2015. Borrowing in this area has led to thawing of the underlying permafrost soils, which has caused considerable increase in ponded water; and, there is settlement resulting from thaw of both the ground ice in the soil matrix and thaw of ice wedges. Although approved, due to resource limitations, only minor work was completed in August and September 2015. This included the excavation of a ditching and swale structure at the southwest end of the former borrow area. Work will proceed with improved weather and when the appropriate resources are scheduled. This activity is in line with the Scope of the Project, approved under Baffinland's Interim Closure and Reclamation Plan and part of BIMC's Borrow Source Management Plans. Part of the monitoring program will include pre, during, and post turbidity readings as well as volumes discharged and the location and description of the receiving environment once this project resumes.
- Disposal and off-site transport of historical inventory of remaining incinerator bottom ash was completed at the Mine Site and Milne Port. Ash that was tested and determined to be non-hazardous was disposed of at the Landfill Facility while ash that was identified as hazardous was transported off-site for disposal in a licenced facility in Southern Canada.
- Demobilization of equipment and supplies not required for near term activities, as well as the current inventory of hazardous waste and other materials by means of sealift from Milne Port Site was undertaken in 2015.
- Continued development of the Mine Site landfill and deposition of non-hazardous wastes in accordance with the landfill operations and maintenance manual.
- Decommissioning activities completed for former contractor (Nuna) work shop no longer required at Milne Port to provide for the completion of the southeast extent of Ore Stockpile Pad. Decommissioning activities included disassembly of the building structure, remediation of the underlying soil footprint, removal of structure power supply (generators) and remediation of the underlying soil footprint of the west generator (refer to Appendix E.8.1 for the Nuna Shop Decommissioning Report). In addition, the former Rotary Biological Contactor (RBC) sewage treatment plant was removed from the site by the contractors.
- Commencement of decommissioning of the Mine Site Bladder Farm and Generator Berm Bladder at the Mine Site exploration camp. The bladders and piping was removed from these facilities. A single bladder containing oily water remains in the Mine Site Bladder Farm. The lined berms will be converted to other uses such as the storage of drummed fuel.

- Treatment and discharge of contact water collected and contained within the Milne Port Landfarm Facility and the former Mary River Mine Site Bladder Berm utilizing the mobile oily water treatment system (Refer to Sections 2.2.2 and 5.2).
- Discharge of treated sewage stored in the existing PWSP at the Milne Port (MP-01a) was completed August 27 to 31 (refer to Sections 2.2.1 and 5.1).
- Off-site transfer, or safe disposal on-site of infrastructure, equipment and supplies no longer required for ongoing construction and operations. The items are defined by the Mary River Project Interim Closure and Reclamation Plan, and include infrastructure and site materials, fuel caches, drums, barrels, buildings and contents, material and equipment.
- Ongoing management of hydrocarbon impacted soils from historical decommissioning efforts, as well as from period spills resulting from day-to-day fuel handling and management activities at both the Mine site and Milne Port. These soils have been placed in the Milne Port Landfarm Facility for biotreatment to meet the objectives as outlined in *the Government of Nunavut's Environmental Guideline for Site Remediation, 2010*. During 2015, the bioremediation process commenced with the spreading and period scarification of soils stored in the landfarm. The use of reclaimed soils for the purpose of backfill or general site grading may be carried out only upon consultation and approval by the QIA, Government of Nunavut, Department of Environment and an Inspector. For approximate quantities of hydrocarbon impacted soils deposited in the Landfill Facility during 2015, refer to Table 2.5.2 of this report. The total quantity of hydrocarbon impacted stored in the facility was approximately 8,900 m^3.
- Disassembly of contractor (Anmar) tent structure and equipment was completed after a large scale fire at Milne Port. The fire debris, residual waste material, and soils were characterized under the direction of a qualified consultant provided by Qikiqtaaluk Environmental Inc. (QE). The hazardous and potentially hazardous waste material was sorted and packaged for off-site transport to waste receiving facilities in Quebec. Refer to Appendix E.8.2 for QE's final summary report for the remediation conducted. The report includes the manifests and Certificates of Disposal/Recyling provided by the receiving facilities.
- The footprint of the former Anmar tent structure (with underlying geosynthetic liner in place) has been staked off and will remain undisturbed until further assessment and remediation (if required) is completed. The Soil Characterization Report and Waste Management Plan completed Qikiqtaaluk Environmental Inc. are provided in Appendix E.8.2 of this report.

6.2 CURRENT RESTORATION LIABILITY

The current status of restoration liability for the project is summarized in the Table 6.1. Related documentation and correspondence is provided in Appendix E.9 which includes the following documents:

- Letter from the Nunavut Water Board to the QIA and Baffinland, dated February 5, 2016: "Direction from Nunavut Water Board under the Annual Security Review Process Established under Part C and Schedule C of the Water Licence".
- 2016 Marginal Reclamation and Closure Security Estimate (October 30, 2015).

SECTION 7.0 - PLANS, REPORTS AND STUDIES

7.1 SUMMARY OF STUDIES REQUESTED BY THE BOARD

In 2015, studies were not requested by the Board.

7.2 REVISIONS TO PLANS REPORTS AND MANUALS

In 2015, updates were minor in nature to reflect Baffinland's Type A water Licence Amendment, in addition to modifications to site conditions and policies and procedures.

Under the Type A Water Licence, management plans are to be periodically reviewed and revised annually as required. The management plans pertinent to the water licences are stand-alone documents and are provided to the Board in digital copies submitted along with this report.

The current document registry of management plans related to the Type A and B Water Licences, and the QIA Lease are presented below:

Management Plan	Current Version	Updated Since 2014 QIA/NWB Annual Report
Air Quality and Noise Abatement Management Plan	March 2016	Yes
Emergency Response Plan	March 2016	Yes
Spill Contingency Plan	March 2016	Yes
Environmental Protection Plan	July 2014	No update
Fresh Water, Sewage and Wastewater Management Plan	March 2016	Yes
Hazardous Materials and Hazardous Waste Management Plan	March 2016	Yes
Interim Reclamation and Closure Plan	March 2016	Yes
Surface Water Sampling Program - Quality Assurance and Quality Control Plan	March 2016	Yes
Aquatic Effects Monitoring Plan	October 2016	Yes
Waste Management Plan	March 2016	Yes
Life of Mine Waste Rock Management Plan	April 2014	No update
Explosives Management Plan	August 2013	No update
Milne Port Oil Pollution Emergency Plan (OPEP)	July 2015	Yes
Exploration Spill Contingency Plan	June 2014	No update
Exploration Closure and Reclamation Plan	July 2014	No update
Terrestrial Environmental Management and Monitoring Plan	March 2016	Yes

Management Plan	Current Version	Updated Since 2014 QIA/NWB Annual Report
Roads Management Plan	March 2016	Yes
Borrow Pits and Quarry Management Plan	March 2014	No update
Borrow Source Management Plan	October 2013	No update
Site Specific Quarry Management Plans	Various below	
Borrow Source Management Plan – Kilometre 2	October 2014	No update.
Borrow Source Management Plan – Kilometre 97	October 2014	No update
Borrow Source Management Plan – Kilometre 104	March 2014	No update
Quarry Management Plan D1Q1	October 2013	No update
Quarry Management Plan D1Q2	October 2013	No update
Quarry Management Plan Q1	March 2013	No update.
Quarry Management Plan Q11	October 2013	No update
Quarry Management Plan Q19	October 2013	No update
Quarry Management Plan Q7	October 2013	No update
Quarry Management Plan QMR2	September 2014	No update

7.3 SUMMARY OF CONSTRUCTION ACTIVITIES

Development and construction of infrastructure required at Milne Port and the Mine Site continued throughout 2015 simultaneously with ongoing development and operation of the mining activities (ore crushing, transport, stockpiling and marine shipment of ore). The construction activities were presented as part of the 2015 Work Plan and summarized in Section 1.1 of this report.

Ongoing compliance monitoring with regulatory permits, authorizations, Baffinland Environmental Management Plans and Baffinland Standard Operating Procedures (SOPs) was conducted throughout 2015 for construction activities. Corrective actions and compliance monitoring findings have been incorporated into recent revisions of Baffinland's Environmental Management Plans and in the development of subsequent revisions of Baffinland SOPs. Refer to Section 7.2 of this report for details pertaining to the status of Baffinland's Environmental Management Plans relevant to the Type B Water Licence(s), Type A Water Licence, amended Project Certificate No. 005 and the QIA Commercial Lease.

To support Tote Road construction activities, water quality monitoring was undertaken as required under Baffinland's Fisheries Authorizations and Environmental Protection Plans. For example, nine culverts were installed in fish bearing stream crossings along the Tote Road during 2015 and monitoring was undertaken to support those activities. Upstream and downstream turbidity and other monitoring including visual substrate characterization and flow estimates were completed at 16 stream crossings that were subject to culvert

upgrades or were in the vicinity of Tote Road construction locations. The 2015 DFO Annual Tote Road Report presents these results and is provided in Appendix D.4.

As required by Part D, Item 17 of the Type A Water Licence, Baffinland submitted a Construction Summary Report for the Mine Site Crusher Sedimentation Pond on March 31, 2015 to the NWB and QIA. As required, the Construction Summary Report has been singed/stamped by a Professional Engineer registered in Nunavut. This CSR is listed in Appendix D.1.

Part D, Item 18 in Baffinland's Type A Water Licence requires that Baffinland shall ensure the proper function of earthworks associated with facilities at the Mary River and Milne Inlet camps such as the Mary River Mine Site landfill, PWSP cells, bulk fuel storage and ancillary fuel facilities. Bi-annual geotechnical inspections are required to be performed by a geotechnical engineer registered in Nunavut. To fulfil the requirement, the first inspection report was submitted to the NWB and QIA on October 2, 2015 (July 30 to August 4, 2015 Inspection) and the second inspection report was submitted November 26, 2015 (September 24 to 29, 2015 Inspection). Copies of the submission letter and Geotechnical report are provided in Appendix D.2.

Site layouts of Milne Port and the Mary River Mine Site, are provided in Appendix C of the 2016 Work Plan as well as Figures 1.3 and 1.5 of this report.

7.4 SUMMARY OF FUEL STORAGE

Throughout 2015, the Milne Port Bulk Fuel Storage Facility included: three (3) 12 ML Arctic diesel field-fabricated tanks; one (1) 5ML Arctic diesel field-fabricated tank; and three (3) 0.75 ML Jet-A1 fuel pre-fabricated tanks. All tanks are vertical single wall steel construction and designed to API 650 specifications.

In 2015, one prefabricated mobile diesel fuel dispending module was installed within engineered secondary containment meeting the CCME "*Environmental Code of Practice for Aboveground Storage Tank Systems Containing Petroleum Products*" (2015) to facilitate the fueling of Ore Haul Trucks leaving Milne Port. The prefabricated diesel dispensing module is comprised of heated 20 foot ISO shipping container, with a 50,000 L double-walled diesel storage supply tank with fuel transfer equipment. Commissioning of this unit is expected in 2016.

As of December 31st, 2015, there was 33.75 ML of Arctic diesel stored in five (5) steel tanks and 1.48 ML of Jet-A1 stored in three (3) steel tanks within the Milne Port Bulk Fuel Storage Facility.

At the Mine Site Bulk Fuel Storage Facility there was 1.43 ML of Arctic diesel stored in the four (4) steel 0.5 ML tanks at the Mine Site Bulk Fuel Storage Facility in addition to 104,196 L of Jet-A1 fuel stored in two (2) 50,000 L and one (1) 75,000 L steel tanks located at the Aerodrome.

The Mine Site bulk fuel storage facility is supplied by bulk fuel tankers that via the Tote Road. The remaining fuel requirements needed for the various aspects of the Project were supplied via day tanks and 205 L drums.

In 2015, fuel for the Project was required to support the following activities:

- Diesel electric power generation and building heat;
- Light and heavy vehicle and equipment operation; and
- Fixed-wing aircraft and helicopter movement.

During 2015, barrelled fuel was used mainly to support field studies and the geology and geophysics program. As of December 31st, 2015 there were 1,952 - 205 L drums of fuel (752 Arctic diesel and 1,200 Jet-A1) stored at Steensby Port, 803 - 205 L drums (800 Jet-A1 and 3 gasoline) at the Mine Site, and 86 - 205 L drums of

gasoline at Milne Port. All barrelled fuel at Project sites is stored within engineered lined containment structures.

It is Baffinland's practice to construct and operate its fuel storage/dispensing facilities and fuel handling/management practices in accordance with applicable guidelines and regulations such as the CCME "Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products (2003)", Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations (Canadian Environmental Protection Act, 1999 SOR/2008-197 June 12, 2008) and National Fire Code of Canada. To protect receiving waters, it is Baffinland's practice to endeavour, as practical, to store drummed fuel, petroleum based wastes, and other potentially hazardous products within lined containment areas whenever possible. Engineered lined containment areas are in place at the Mary River Mine Site, Milne Port, Steensby Inlet and Mid Rail camps for the storage of drummed fuel.

Part D, Item 18 in Amended Baffinland's Type A Water Licence requires that Baffinland shall ensure the proper function of earthworks associated with earthworks facilities at the Mary River Mine Site and Milne Port camps such as the bulk fuel storage and ancillary fuel facilities. Biannual geotechnical inspections are required to be performed by a geotechnical engineer registered in Nunavut. To fulfil the requirement, an annual inspection report was submitted to the NWB and QIA on November 26, 2015. Copies of the submission letter and Geotechnical report are provided in Appendix D.2.

7.5 RESULTS OF CHEMICAL ANALYSIS OF INCINERATOR ASH

To confirm that Project incinerators were operating as designed (per manufacturer's specifications), continuing process monitoring was completed throughout 2015. This included monitoring of temperature in the primary chamber, secondary chamber and stack; burn times, system pressure and fuel level.

Prior to disposal at the Mary River Landfill Facility, residual bottom ash generated from the incineration process was tested using Toxicity Characteristic Leaching Procedure (TCLP) analysis, as required by Amended Type A Water Licence (Part F, Item 7) to ascertain that disposal of residual bottom ash at the Landfill Facility did not have the potential to generate leachate at concentrations above water licence water quality criteria (refer to Baffinland's Waste Management Plan - BAF-PH1-830-P16-0028). In 2015, TCLP analytical results for composite ash samples were compared with Nunavut environmental guidelines threshold values (Government of Nunavut. Department of Sustainable Development. Environmental Protection Service. Environmental Guideline for Industrial Waste Discharges. April 2014). Where results were found to be below established threshold values, ash was disposed of at the Landfill Facility. Where elevated levels of chromium or cadmium were identified in composite ash samples collected (see Appendix E.2 for exceedance details), re-sampling was completed to identify the sample(s) (within the composite) with the elevated chromium or cadmium levels. The identified ash sample(s) were then isolated and re-incinerated. Subsequent sampling or the re-incinerated ash was completed to confirm contaminant levels were below threshold values prior to disposal.

As per the Nunavut Environmental Guideline for the Burning and Incineration of Solid Waste, date and volumes of burnt waste onsite are recorded and maintained. The analytical certificates of analysis of ash generated onsite in 2015 and summary tables detailing the fate of all ash processed in 2015 are provided in Appendix E.2. An historical ash evaluation and disposal program was completed in 2014. Historical ash that was deemed landfill compliant by visual inspection or TCLP analytical analyses was disposed of in the Mary River Landfill. Historical ash that was deemed hazardous was shipped offsite for disposal. As of September 30, 2015 only 14 barrels of ash remained on project sites to be reprocessed. For detailed information

concerning the historical ash 2015 program, see appendix E.2 for the summary tables and the Historical Ash Deliverables report.

7.6 INSPECTION AND COMPLIANCE REPORTS

In 2015, Baffinland hosted numerous regulatory inspections from AANDC and QIA, as well as the WSCC Mines Inspector.

7.6.1 AANDC Inspections

During 2015, five (5) inspections were conducted by AANDC water resource officers:

- March 9 to 12, 2015
- June 16 to 17, 2015
- July 30 to August 4, 2015
- October 6 to 8, 2015
- December 8 to 10, 2015

Inspection results were conveyed during close-out meetings and are documented in Water Licence Inspection Reports subsequently distributed to Baffinland. Baffinland acted quickly to respond to concerns brought forward during the inspections or close out meetings. Non-compliances to the Water Licence were not reported by the water resource officers in their inspection reports, and concerns were minor and promptly addressed. AANDC inspection reports and Baffinland's follow-up reports addressing concerns and comments are provided in Appendix E.7.1.

7.6.2 QIA Inspections

In 2015, three (3) inspections were conducted on the following dates by the QIA under the agreement of Commercial Lease Q10C3001:

- June 25 to 30
- July 23 to 28
- September 17 to 22

In addition to inspections, the QIA conducted one (1) environmental audit August 6 to 11.

The findings from the audit and inspections were conveyed during the close-out meetings between the QIA personnel and Baffinland representatives as well as documented in subsequent reports and correspondence. The QIA inspection and audit reports and Baffinland's follow-up correspondence are provided in Appendix E.7.2 of this report.

7.6.3 Workers' Safety and Compensation Commission (WSCC) Mine Inspections

In 2015, the Workers' Safety & Compensation Commission (WSCC) conducted five (5) inspections of both the mine site and port site. The reports for these inspections were distributed to Baffinland management as well as Baffinland's Occupational Health & Safety (OHS) Committee. The inspections conducted over 2015 resulted in directives being issued to the company over the course of the year. All directives were reviewed by the management team and responses were sent to the Mines Inspector within a timely

manner. The results of the inspections, including Baffinland's responses are provided in Appendix E.7.3 of this report.

7.7 QUANTITIES OF AGGREGATES FROM QUARRIES AND BORROW PITS

During 2015, Baffinland operated quarries and borrows that supported infrastructure construction for the project. The active quarry and borrow locations during 2015 included QMR2, D1Q2, Km 104, Km 2, and Km 97. As per the requirements of the Commercial Lease (Part 6.4, item d) iv) and Type A Water Licence (Schedule B, Item (g), x), Table 7.1 provides quantities quarried of each specified substance (rock, overburden, organics) quarried each month, broken down by individual quarry site.

7.8 SUMMARY OF GEOCHEMICAL ANALYSIS FOR QUARRIES

In accordance with terms of the Type A Water Licence (Schedule I Item g (Xii)) details of monitoring data with respect to geochemical analysis conducted on material used to construct roads, quarries and other infrastructure is presented in Appendix E.6. Appendix E.6 provides a statistical summary of the geochemical results to date for each quarry, in addition to the laboratory analytical data.

During 2015, an operational sampling program was conducted to confirm the original predictions that the aggregate material removed from quarries would have a low potential for Acid Rock Drainage / Metal Leaching (ARD/ML). During 2015, the Mine Operations Geology Department and the Environment department implemented a program of continuous sampling to confirm the low potential for Acid Rock Drainage (ARD) for quarries and borrows. Samples from this period were typically collected from blast hole cuttings. The results summaries for this work are presented in Appendix E, Tables E.6.1 to E.6.3. When assessing whether aggregate is potentially acid generating (PAG), general cut-off criteria were established. These criteria were Net Potential Ratio (NPR) value less than two (2) and sulphur concentration greater and 0.20%.

The results provided in Appendix E.6 summary tables indicate low potential for ARD/ML as was originally predicted in the assessments made prior to development and documented in the applicable Quarry Management Plans.

7.9 GEOCHEMICAL WASTE ROCK STUDIES AND OPERATIONAL TESTING RESULTS

Geochemistry investigations with material derived from drill core continued during 2015. AMEC Foster Wheeler (AMEC) were retained throughout 2015 to continue to advance metal leaching and acid rock drainage (ML/ARD) characterization studies of materials from the Mary River Deposit No. 1. .

During 2015, the following activities related to the mine rock geochemistry program were conducted:

- Ongoing monitoring and interpretation of results for the operating humidity cells at SGS Canada Ltd.
- Operational geochemical testing of waste rock during the mining at Deposit No. 1 Pit.

The technical report presented in Appendix E.5 presents the updated results and interpretation of ongoing humidity cell test work assess the potential for metal leaching and acid rock drainage (ML/ARD) from waste rock related to mining of Deposit No. 1.

The operational testing results are also presented in E.5 and are summarized in three tables. The operational waste rock geochemical testing program that is being undertaken confirms predictions made with respect to the potential for acid rock drainage (ARD). The methods used are outlined in the Life-of-Mine Waste Rock

Management Plan (April 2014) and is being undertaken by means of on-site determination of total S in blast hole cuttings. The operational testing results provide the basis for determination of waste rock material as being PAG (potentially acid generating) and NPAG (no-potentially acid generating). PAG waste rock that can be effectively segregated in the pit is transported for permanent storage at the waste rock dump located adjacent to the open pit. A 0.2% sulphur cut-off limit is being used as a basis for segregation. Waste rock that is <0.2% sulphur can used for construction purposes across the site.

Appendix E.5 also includes an update table which provides a status summary of the geochemical testing program that was presented as Table 7.1 in Appendix 3 of the April 2014 revision to the Life-of-Mine Waste Rock Management Plan.

SECTION 8.0 - PUBLIC CONSULTATIONS

Throughout 2015, ongoing consultations regarding ongoing construction activities at site, the beginning of operations and the inaugural shipping season, progress regarding employment from the North Baffin communities, environmental monitoring activities and results, and future phases of the Mary River project. Baffinland's senior management team continued to participate in these meetings. In addition there were various stakeholder and government visits and tours of the Project site. The list of meetings held during 2015 and visits to the site are presented in Tables 8.1 and 8.2.

SECTION 9.0 - QUANTITY OF IRON ORE GENERATED BY THE PROJECT

Project mining activities continued throughout 2015 producing a total of 1,328,640 tonnes (991,902 tonnes of lump and 336,737 tonnes of fines) of Mary River Iron Ore mined from Deposit No. 1 (Nuluujaak Pit).

In 2015, quantities of iron ore were blasted and crushed at the Mary River Mine Site, loaded onto Ore Haul Trucks, transported to Milne Port, and stockpiled at the Milne Port Ore Stockpile Pad for export off-site via ore ships during the 2015 open water season. On August 7, 2015 the first ore ship sailed out of Milne Inlet carrying 53,625 tonnes of iron ore. A total of 916,435 tonnes were shipped on 13 vessels.

After the 2015 open water season, ore continued to be stockpiled at the Milne Port Ore Stockpile Pad for export off-site during the 2016 open water season.

Monthly and annual quantities of iron ore generated by the Project in 2015 are provided in Table 9.1. The iron ore shipping details are provided in Table 9.2.

TABLES

TABLE 1.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT

SUMMARY OF 2015 ACTIVITIES AND SUBMISSIONS

Date	Activity/Submission
January 2015	Submission of Follow-up Spill Report; Report ID: 14-431
January 2015	Submission of Follow-up Spill Report; Report ID: 14-434
January 2015	Submission of Follow-up Spill Report; Report ID: 14-442
January 2015	Submission of Follow-up Spill Report; Report ID: 15-003
January 2015	December 2014 monthly water license report submission
February 2015	Historic Waste Ash Sample and Disposal Update submitted to AANDC
February 2015	AANDC aknowledgement of submission of Historic Ash Deliverables approving schedule extension.
February 2015	Submission of Follow-up Spill Report; Report ID: 15-016
February 2015	Submission of Follow-up Spill Report; Report ID: 15-029
February 2015	January monthly water license report submission
March 2015	Submission of Follow-up Spill Report; Report ID: 15-029
March 2015	Submission of Follow-up Spill Report; Report ID: 15-036
March 2015	Submission of Follow-up Spill Report; Report ID: 15-039
March 2015	Submission of Follow-up Spill Report; Report ID: 15-040
March 9-12, 2015	Site Inspection by AANDC Water Resource Officer
March 2015	Submission of Follow-up Spill Report; Report ID: 15-044
March 2015	Submission of Follow-up Spill Report; Report ID: 15-047
March 2015	March Inspection Report Received from AANDC
March 2015	February monthly water license report submission
March 2015	Submission of 2013 Annual Report to the NIRB
March 2015	Submission of 2013 Annual Report to the NWB and QIA
April 2015	Submission of Follow-up Spill Report; Report ID: 15-089
April 2015	Submission of Follow-up Spill Report; Report ID: 15-117
April 2015	Submission of Follow-up Spill Report; Report ID: 15-099
April 2015	Submission of Follow-up Spill Report; Report ID: 15-123
April 2015	Response to March Inspection Report submitted to AANDC.
April 2015	March monthly water license report submission
May 2015	Submission of Follow-up Spill Report; Report ID: 15-130
May 2015	Submission of Follow-up Spill Report; Report ID: 15-138
May 2015	AANDC acknowledgement of receipt of the Camp Lake Surface Water Runoff Sediment Control Plan (October 30, 2014)
May 2014	Notification to AANDC of effluent discharge of treated effluent from PWSP nos. 1, 2 and 3 at the Mary River Mine Site (MS-MRY-4a) and from the PWSP at Milne Port (MP-01a).
May 2015	Submission of Follow-up Spill Report; Report ID: 15-150
May 2015	April monthly water license report submission
June 2014	NIRB Site Tour
June 2015	Km 97 Borrow Area Reclamation Plan Submitted to AANDC
June 2014	Notification to AANDC of effluent discharge of treated stormwater from the Bulk Fuel Storage and ancillary structures at Milne Port and the Mary River Mine Site.
June 2015	Submission of Follow-up Spill Report; Report ID: 15-183
June 16-17, 2015	Site Inspection by AANDC Water Resource Officer
June 2015	Submission of Follow-up Spill Report; Report ID: 15-211
June 25-30, 2015	QIA Environmental Site Inspection
June 2015	Snowmelt event and sedimentation issue on the Haul Road submitted to AANDC
June 2015	Calcium Chloride Action Plan Update Submitted to AANDC
June 2015	May monthly water license report submission
July 2015	June Inspection Report Received from AANDC
July 2015	Updated Snowmelt event and sedimentation issue on the Haul Road submitted to AANDC

TABLE 1.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT

SUMMARY OF 2015 ACTIVITIES AND SUBMISSIONS

Date	Activity/Submission
July 2015	Submission of Follow-up Spill Report; Report ID: 15-247
July 2015	Submission of Follow-up Spill Report; Report ID: 15-254
July 23-28, 2015	QIA Environmental Site Inspection
July 2015	Notification to AANDC of commencement of use of burrow areas as water sources along the Tote Road.
July 2015	Response to June Inspection Report submitted to AANDC.
July 2015	June monthly water license report submission
July 2015	First Bi-Annual Geotechnical Inspection conducted
July 30-August 4, 2015	Site Inspection by AANDC Water Resource Officer and Geotechnical
August 6-11, 2015	QIA Environmental Audit Site Inspection
August 2015	Commencement of discharge of stormwater from the snow dump and landfarm sumps at Milne Port.
August 2015	Notification to AANDC of commencement EK35 Application on Runway.
August 2015	Submission of Follow-up Spill Report; Report ID: 15-311
August 2015	Submission of Follow-up Spill Report; Report ID: 15-313
August 2015	Commencement of discharge of treated effluent from the PWSP at Milne Port (MP-01a).
August 2015	Submission of IFC's for the Mine Site Crushing and Screen Extension Pad and Diversion Ditch
August 2015	July monthly water license report submission
September 2015	Submission of Follow-up Spill Report; Report ID: 15-326
September 1-3, 2015	DFO Site Tour
September 3-8, 2015	Site Security Audit Review by AANDC
September 2015	Submission of Follow-up Spill Report; Report ID: 15-330
September 2015	July 30- August 4 Inspection Report Received from AANDC
September 17-22, 2015	QIA Environmental Site Inspection
September 2015	Submission of Follow-up Spill Report; Report ID: 15-357
September 2015	August monthly water license report submission
September 2016	Second Bi-Annual Geotechnical Inspection conducted
September 2016	Submission of first of two Bi-Annual 2015 Annual Geotechnical Inspection conducted
October 2015	Submission of Follow-up Spill Report; Report ID: 15-370
October 6-8, 2015	Site Inspection by AANDC Water Resource Officer
October 2015	Submission of Follow-up Spill Report; Report ID: 15-378
October 2015	Photos relating to Snow Removal and Preventative Measures at Milne Port submitted to AANDC
October 2015	Submission of Follow-up Spill Report; Report ID: 15-399
October 2015	Response to July 30 - August 4 Inspection Report submitted to AANDC.
October 2015	2015 Monitoring Report Received from NIRB
October 2015	Submission of Follow-up Spill Report; Report ID: 15-409
October 2015	Submission of Interim Closure and Reclamation Report to NWB, AANDC, and QIA
October 2015	Submission of 2016 Work Plan to NWB and QIA
October 2015	September monthly water license report submission
November 2015	Submission of Follow-up Spill Report; Report ID: 15-417
November 2015	Photos relating to action item 32 from August Inspection submitted to AANDC
November 2015	Submission of Follow-up Spill Report; Report ID: 15-425
November 2015	October Inspection Report Received from AANDC
November 2015	Submission of Follow-up Spill Report; Report ID: 15-426
November 2015	Submission of Follow-up Spill Report; Report ID: 15-428
November 2015	Submission of Follow-up Spill Report; Report ID: 15-435
November 2015	Submission of Follow-up Spill Report; Report ID: 15-441
November 2015	Submission of Follow-up Spill Report; Report ID: 15-444

TABLE 1.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT

SUMMARY OF 2015 ACTIVITIES AND SUBMISSIONS

Date	Activity/Submission
November 2015	Submission of Follow-up Spill Report; Report ID: 15-446
November 2015	Response to October Inspection Report submitted to AANDC.
November 2015	Submission of Follow-up Spill Report; Report ID: 15-449
November 2015	October monthly water license report submission
November 2015	Submission of second of two Biannual 2015 Annual Geotechnical Inspection Reports
December 2015	AANDC recognition of submission of Snow Management Plan and completion of Historic Waste Action Plan
December 8-10, 2015	Site Inspection by AANDC Water Resource Officer
December 2015	Submission of Follow-up Spill Report; Report ID: 15-458
December 2015	Submission of Follow-up Spill Report; Report ID: 15-474
December 2015	Submission of Follow-up Spill Report; Report ID: 15-483
December 2015	November monthly water license report submission
January 2016	Submission of Follow-up Spill Report; Report ID: 15-498
January 2016	December monthly water license report submission

Baffinland

TABLE 1.2
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
SUMMARY OF EXPLORATION DRILLING

Deposit No.	2004		2005		2006		2007		2008	
	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)
1	14	2691	33	8073	23	4136.5	23	4246.5	27	5071
2	1	122	0	0	7	1195.7	0	0	0	0
3	0	0	0	0	3	642	8	1917	0	0
4										
5										

Deposit No.	2009		2010		2011		2012		2013	
	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)
1	13	2316	3	318	0	0	5	1313	0	0
2	0	0	3	477	0	0	0	0	0	0
3	0	0	2	163	0	0	0	0	0	0
4			17	3165	0	0	0	0	0	0
5			20	2662	0	0	0	0	0	0

Deposit No.	2014		2015		Total	
	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)
1	0	0	0	0	141	28,165.0
2	0	0	0	0	11	1,794.7
3	0	0	0	0	13	2,722.0
4	0	0	0	0	17	3,165.0
5	0	0	0	0	20	2,662.0

TABLE 1.3
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT

ON ICE AND ON LAND GEOTECHNICAL DRILLHOLE DETAILS

Drill hole ID	Drill hole Coordinates		Description of Drill hole Location	Depth (m)	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)					
		No geotechnical or geological delineation drill programs were performed in 2015.					

Note:
Note:

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TABLE 2.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
DAILY, MONTHLY AND ANNUAL QUANTITIES OF WATER FOR CAMPS MARY RIVER PROJECT ON INUIT-OWNED LANDS AND CROWN LAND

	January			February			March			April				May			
Date	MS-MRY-1	MP-MRY-3	Total	MS-MRY-1	MP-MRY-3	Total	MS-MRY-1	MP-MRY-3	Total	MS-MRY-1	MP-MRY-3	MP-MRY-3 Other	Total	MS-MRY-1	MS-MRY-1 Other	MP-MRY-3	Total
	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)
1	23.1	15.1	38.2	26.9	30.3	57.2	38.6	23.2	61.8	54.4	45.4	0.0	99.8	30.2	0.0	30.3	60.5
2	41.9	30.3	72.2	52.6	30.3	82.9	36.1	13.9	50.0	35.0	45.4	0.0	80.5	72.9	0.0	30.3	103.2
3	42.1	15.1	57.2	32.2	30.3	62.4	34.9	23.8	58.7	34.6	15.1	0.0	49.7	42.5	0.0	30.3	72.8
4	42.1	30.3	72.4	26.8	30.3	57.0	36.7	27.0	63.7	64.9	30.3	0.0	95.2	41.1	0.0	37.9	79.0
5	30.6	15.1	45.7	42.1	30.3	72.4	35.1	18.9	54.0	36.1	45.4	0.0	81.5	67.0	0.0	45.4	112.4
6	30.6	15.1	45.7	39.7	30.3	70.0	32.1	13.9	46.0	31.1	45.4	0.0	76.5	35.2	0.0	45.4	80.6
7	36.7	15.1	51.8	38.1	15.1	53.3	38.8	14.7	53.5	71.9	30.3	0.0	102.2	54.3	0.0	41.6	95.9
8	51.8	15.1	66.9	67.6	15.1	82.7	46.3	24.8	71.1	58.9	45.4	0.0	104.3	35.2	0.0	30.3	65.5
9	46.1	45.4	91.5	32.6	45.4	78.0	27.2	36.8	64.0	96.3	45.4	0.0	141.7	58.6	0.0	37.9	96.5
10	64.7	30.3	95.0	38.2	15.1	53.4	64.3	19.1	83.4	46.2	30.3	0.0	76.5	31.2	0.0	7.6	38.8
11	38.5	15.1	53.6	36.8	45.4	82.2	32.6	22.0	54.6	61.3	45.4	0.0	106.8	38.5	0.0	30.3	68.8
12	46.7	30.3	77.0	36.6	45.4	82.0	37.1	26.5	63.6	31.0	30.3	0.0	61.3	102.0	0.0	30.3	132.3
13	46.3	30.3	76.6	46.3	30.3	76.6	46.3	30.7	77.0	44.6	30.3	0.0	74.8	56.6	0.0	30.3	86.9
14	46.2	15.1	61.3	60.4	15.1	75.6	42.8	21.8	64.6	38.2	45.4	0.0	83.6	45.1	0.0	45.4	90.5
15	34.2	15.1	49.3	34.5	30.3	64.8	36.9	18.0	54.9	47.9	45.4	0.0	93.3	49.8	0.0	15.1	64.9
16	38.1	45.4	83.5	28.5	30.3	58.7	38.8	22.2	61.0	82.2	60.6	0.0	142.8	64.6	0.0	60.6	125.2
17	38.1	15.1	53.2	78.9	15.1	94.1	38.5	22.3	60.8	53.1	45.4	0.0	98.5	51.2	0.0	15.1	66.3
18	38.1	15.1	53.2	32.4	30.3	62.7	39.4	22.2	61.6	33.6	45.4	0.0	79.1	104.0	0.0	45.4	149.4
19	30.8	0.0	30.8	42.7	45.4	88.1	128.5	21.0	149.5	47.5	45.4	0.0	93.0	27.8	0.0	30.3	58.1
20	45.8	15.1	60.9	48.1	30.3	78.4	46.0	22.0	68.0	91.0	30.3	0.0	121.3	106.3	0.0	45.4	151.7
21	45.3	45.4	90.7	31.2	15.1	46.3	38.8	14.1	52.9	27.4	45.4	0.0	72.9	64.1	0.0	30.3	94.4
22	38.3	30.3	68.6	57.6	45.4	103.1	50.1	33.2	83.3	139.8	45.4	0.0	185.3	41.8	0.0	45.4	87.2
23	38.3	30.3	68.6	35.1	30.3	65.4	39.0	28.8	67.8	55.5	45.4	0.0	100.9	56.8	0.0	45.4	102.2
24	36.2	0.0	36.2	23.4	30.3	53.7	49.1	28.5	77.6	33.5	45.4	0.0	78.9	79.5	0.0	41.6	121.1
25	32.1	45.4	77.5	62.6	30.3	92.9	30.3	28.6	58.9	39.7	30.3	0.0	70.0	48.2	0.0	45.4	93.6
26	96.1	30.3	126.4	34.5	30.3	64.8	38.3	20.3	58.6	65.6	45.4	0.0	111.0	89.5	0.5	45.4	135.4
27	38.4	30.3	68.7	52.2	37.9	90.1	84.0	22.8	106.8	24.0	45.4	0.0	69.5	55.3	0.0	45.4	100.7
28	46.1	45.4	91.5	36.6	22.7	59.3	30.5	22.0	52.5	38.8	45.4	0.0	84.2	50.3	0.0	45.4	95.7
29	35.6	30.5	66.1	---	---	---	37.1	16.8	53.9	57.2	45.4	1.0	103.7	38.4	0.0	45.4	83.8
30	36.1	45.4	81.5	---	---	---	48.5	27.4	75.9	38.8	45.4	2.0	86.2	73.6	0.0	30.3	103.9
31	64.1	30.3	94.4	---	---	---	53.9	30.7	84.6	---	---	---	---	75.4	0.0	30.3	105.7
Total	1,319.1	787.6	2,106.7	1,175.2	832.8	2,008.0	1,376.6	718.0	2,094.6	1580.2	1241.6	3.0	2824.9	1,787.0	0.5	1,135.6	2,923.1

	June				July						August				
Date	MS-MRY-1	MS-MRY-1 Other	MP-MRY-3	Total	MS-MRY-1	MS-MRY-1 Other	MP-MRY-3	MP-MRY-3 Other	MP-MRY-3 Borrow Pit	Total	MS-MRY-1	MS-MRY-1 Other	MP-MRY-3	MP-MRY-3 Other	Total
	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)
1	64.0	0.0	15.1	79.1	55.7	0.0	30.3	0.0	0.0	86.0	52.8	0.0	45.4	0.0	98.2
2	57.7	4.0	30.3	92.0	66.1	4.5	45.4	0.0	0.0	116.1	39.5	4.5	60.6	0.0	104.6
3	127.8	0.0	30.3	158.1	61.6	0.0	30.3	0.0	0.0	91.9	55.5	0.0	45.4	0.0	100.9
4	53.6	26.5	45.4	125.5	56.3	5.8	45.4	0.0	0.0	107.5	28.4	5.8	45.4	0.0	79.6
5	65.2	0.0	15.1	80.3	49.0	9.0	30.3	0.0	0.0	88.2	83.5	9.0	30.3	0.0	122.7
6	146.3	0.0	45.4	191.7	41.9	0.0	45.4	0.0	0.0	87.3	46.7	0.0	30.3	0.0	77.0
7	157.0	53.0	30.3	240.3	70.3	0.0	45.4	0.0	0.0	115.7	64.2	0.0	45.4	0.0	109.6
8	173.5	79.5	30.3	283.3	46.6	9.2	45.4	0.0	0.0	101.2	60.2	9.2	30.3	0.0	99.7
9	75.1	53.0	45.4	173.5	58.6	5.7	30.3	0.0	0.0	94.5	51.4	5.7	45.4	0.0	102.5
10	65.8	0.0	15.1	80.9	48.9	2.8	30.3	0.0	0.0	82.0	53.6	2.8	45.4	0.0	101.9
11	17.0	0.0	45.4	62.4	53.4	11.2	45.4	0.0	0.0	110.0	45.9	11.2	30.3	0.0	87.3
12	28.9	0.0	15.1	44.0	49.6	138.2	15.1	0.0	0.0	203.0	54.9	138.2	45.4	0.0	238.5
13	46.2	0.0	45.4	91.6	62.0	221.0	45.4	0.0	0.0	328.4	42.7	221.0	60.6	0.0	324.2
14	67.2	26.5	45.4	139.1	48.1	79.5	30.3	0.0	0.0	157.9	53.9	79.5	45.4	0.0	178.8
15	37.5	0.0	30.3	67.8	19.6	237.5	45.4	0.0	0.0	302.5	57.8	237.5	30.3	0.0	325.6
16	39.0	0.0	45.4	84.4	63.6	106.0	30.3	0.0	0.0	199.9	19.7	106.0	45.4	0.0	171.1
17	76.7	0.0	45.4	122.1	30.7	5.9	45.4	0.0	0.0	82.1	43.1	5.9	45.4	0.0	94.5
18	55.9	0.0	30.3	86.2	55.4	0.0	15.1	0.0	0.0	70.6	38.8	0.0	60.6	0.0	99.4
19	55.8	0.0	30.3	86.1	28.5	0.0	45.4	0.0	0.0	73.9	36.0	0.0	45.4	0.0	81.4
20	29.2	53.0	30.3	112.5	70.3	79.5	30.3	0.0	0.0	180.1	72.0	79.5	53.0	0.0	204.5
21	117.7	0.0	45.4	163.1	42.2	144.9	45.4	0.0	0.0	232.5	50.3	144.9	53.0	0.0	248.2
22	52.4	0.0	45.4	97.8	58.8	159.0	45.4	0.0	0.0	263.2	54.6	159.0	53.0	22.7	289.3
23	72.3	0.0	30.3	102.6	47.8	0.0	45.4	64.0	16.0	173.2	56.7	0.0	53.0	0.0	109.7
24	77.2	79.5	45.4	202.1	75.9	7.9	45.4	16.0	110.0	255.2	46.6	7.9	30.3	0.0	84.7
25	48.9	26.5	45.4	120.8	47.7	159.0	30.3	16.0	97.0	350.0	54.0	159.0	60.6	0.0	273.5
26	56.9	0.0	45.4	102.3	69.3	35.5	30.3	0.0	30.0	165.1	62.2	35.5	60.6	0.0	158.3
27	49.8	79.5	45.4	174.7	46.2	65.1	30.3	0.0	128.0	269.6	48.0	65.1	60.6	0.0	173.7
28	40.4	0.0	30.3	70.7	52.5	10.1	53.0	0.0	48.0	163.6	49.4	10.1	37.9	0.0	97.4
29	83.5	0.0	45.4	128.9	57.2	0.0	60.6	0.0	132.5	250.2	52.0	0.0	53.0	1.0	106.0
30	79.8	0.0	30.3	110.1	42.8	24.1	60.6	0.0	0.0	127.4	53.4	24.1	37.9	2.0	117.3
31	---	---	---	---	55.2	16.8	45.4	0.0	0.0	117.4	53.4	16.8	45.4	2.0	117.6
Total	2,118.3	481.0	1,074.7	3674.0	1631.7	1,538.1	1,218.9	96.0	561.5	5,046.2	1581.1	1,538.1	1,430.9	27.7	4,577.8

Baffinland

TABLE 2.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
DAILY, MONTHLY AND ANNUAL QUANTITIES OF WATER FOR CAMPS MARY RIVER PROJECT ON INUIT-OWNED LANDS AND CROWN LAND

Date	September				October				November			December		
	MS-MRY-1	MP-MRY-1 Other	MP-MRY-3	Total	MS-MRY-1	MS-MRY-1 Other	MP-MRY-3	Total	MS-MRY-1	MP-MRY-3	Total	MS-MRY-1	MS-MRY-3	Total
	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)
1	28.4	16.6	45.4	90.4	56.7	20.0	45.4	122.1	61.9	45.4	107.3	53.6	30.3	83.9
2	107.7	0.0	60.6	168.3	52.0	0.0	30.3	82.2	67.4	30.3	97.7	42.1	15.1	57.2
3	81.2	20.5	30.3	132.1	41.8	0.0	45.4	87.2	33.2	15.1	48.4	51.4	45.4	96.8
4	0.1	20.0	45.4	65.5	46.8	15.7	15.1	77.7	112.7	30.3	143.0	63.0	30.3	93.3
5	67.0	57.2	45.4	169.7	41.9	0.0	60.6	102.5	32.0	0.0	32.0	33.7	15.1	48.9
6	62.0	0.0	45.4	107.5	57.1	67.0	45.4	169.5	82.2	45.4	127.7	50.3	30.3	80.5
7	47.1	40.6	45.4	133.1	54.6	0.0	30.3	84.9	42.8	45.4	88.2	50.0	15.1	65.1
8	74.9	0.0	45.4	120.3	45.3	10.2	45.4	100.9	37.5	15.1	52.6	39.2	0.0	39.2
9	76.6	10.0	45.4	132.1	50.0	0.0	30.3	80.3	50.9	45.4	96.3	72.7	30.3	103.0
10	52.1	0.0	45.4	97.5	46.8	0.0	45.4	92.2	20.5	60.6	81.0	41.3	30.3	71.6
11	47.3	19.8	45.4	112.6	36.3	0.0	30.3	66.6	75.9	15.1	91.0	68.3	45.4	113.7
12	45.5	10.1	30.3	86.0	53.3	17.8	30.3	101.4	49.6	30.3	79.9	31.9	30.3	62.2
13	48.2	0.0	45.4	93.6	39.6	0.0	45.4	85.1	47.6	30.3	77.9	57.1	30.3	87.4
14	43.7	13.6	45.4	102.7	49.9	0.0	45.4	95.3	51.7	30.3	82.0	59.9	30.3	90.2
15	73.4	11.5	45.4	130.3	44.1	0.0	30.3	74.3	44.9	30.3	75.2	38.9	30.3	69.2
16	58.2	0.0	45.4	103.6	69.1	10.6	30.3	110.0	56.0	30.3	86.3	68.2	30.3	98.5
17	50.8	0.0	45.4	96.2	62.5	9.0	30.3	101.8	50.6	30.3	80.9	38.5	30.3	68.8
18	56.6	0.0	45.4	102.0	39.1	0.0	30.3	69.4	50.4	0.0	50.4	59.3	30.3	89.6
19	52.6	0.0	45.4	98.1	50.5	13.7	30.3	94.5	54.3	60.6	114.8	48.5	30.3	78.7
20	39.5	0.0	45.4	84.9	41.8	0.0	30.3	72.1	62.6	30.3	92.9	39.5	30.3	69.8
21	83.7	24.4	45.4	153.5	62.5	0.0	30.3	92.8	63.3	30.3	93.6	61.6	22.7	84.3
22	47.9	9.8	60.6	118.3	55.1	0.0	30.3	85.4	39.1	30.3	69.4	54.4	30.3	84.7
23	55.2	27.5	45.4	128.1	42.4	0.0	30.3	72.7	47.1	30.3	77.3	38.5	15.1	53.7
24	65.8	0.0	45.4	111.2	42.8	15.3	30.3	88.3	67.6	30.3	97.8	45.9	15.1	61.1
25	50.1	0.0	45.4	95.5	54.6	0.0	30.3	84.9	53.0	30.3	83.3	46.2	0.0	46.2
26	58.5	18.0	45.4	122.0	43.4	0.0	30.3	73.6	79.3	30.3	109.6	76.4	30.3	106.6
27	42.7	0.0	30.3	72.9	43.5	0.0	30.3	73.8	34.1	15.1	49.2	34.7	0.0	34.7
28	56.9	0.0	45.4	102.3	58.9	18.4	15.1	92.5	72.3	30.3	102.6	93.6	45.4	139.0
29	54.3	0.0	45.4	99.7	39.8	0.0	30.3	70.0	43.9	15.1	59.1	36.6	15.1	51.7
30	73.6	0.0	15.1	88.7	67.9	0.0	15.1	83.1	56.5	15.1	71.6	46.7	15.1	61.9
31	---	---	---	---	38.8	0.0	0.0	38.8	---	---	---	56.1	15.1	71.2
Total	1,701.7	299.7	1,317.3	3,318.7	1,528.7	197.7	999.3	2,725.8	1,640.8	878.2	2,519.0	1,598.0	764.7	2,362.7

Note:

MS-MRY-1 Camp Lake Freshwater Use (Mine Site) - Daily Potable Water (m^3)
MS-MRY-1 Other Camp Lake Daily Freshwater Use for Other Purposes (m^3)
MP-MRY-3 Km 32 Lake Milne Port Camp Daily Potable Water (m3) MP-MRY-3
MP-MRY-3 Other Km 32 Milne Port Daily Water for Other Purposes (m^3)
Potable water and water for other purposes was obtained solely from Inuit Owned Land (IOL) sources in 2015

TABLE 2.2
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF TREATED OILY WATER EFFLUENT

Day	July		August	
	MS-MRY-6	MP-03	MS-MRY-6	MP-03
1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0
10	25.5	0.0	0.0	0.0
11	34.3	0.0	0.0	0.0
12	27.9	0.0	0.0	0.0
13	22.1	0.0	0.0	0.0
14	37.8	0.0	0.0	0.0
15	40.6	0.0	0.0	0.0
16	15.7	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	2.5
25	0.0	0.0	0.0	44.3
26	0.0	0.0	0.0	22.7
27	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0
Total	203.9	0.0	0.0	69.6

Annual Total: 273.5 m3

Note: Water Licence Type "A" (2AM-MRY1325) monitoring IDs. Volumes in cubic metres (m3)

TABLE 2.3
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF EFFLUENT DISCHARGED
FROM ORE AND WASTE ROCK STOCKPILE SEDIMENTATION PONDS

Day	July	August
	MS-08	MS-08
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	124.2
6	0.0	256.6
7	0.0	149.0
8	0.0	0.0
9	47.4	150.0
10	63.7	150.0
11	196.1	150.0
12	293.4	0.0
13	0.0	0.0
14	0.0	0.0
15	0.0	0.0
16	0.0	0.0
17	0.0	0.0
18	0.0	0.0
19	0.0	0.0
20	80.0	150.0
21	58.9	0.0
22	0.0	0.0
23	0.0	0.0
24	0.0	0.0
25	0.0	0.0
26	0.0	0.0
27	203.5	0.0
28	0.0	0.0
29	0.0	0.0
30	144.1	0.0
31	0.0	0.0
Total	1,087.1	1,129.8
Annual Total:	2,216.9	

Note: MS-08 is the temporary sedimentation pond for the Mine Site Waste Rock Stockpile. Volumes in cubic metres (m^3)

Baffinland

TABLE 2.4
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF TREATED SEWAGE EFFLUENT AND SLUDGE REMOVED

	January		February		March		April		May		June		July		August		
Day	MS-01	MP-01	MS-01	MP-01	MS-01	MP-01	MS-01	MP-01	MS-01	MP-01	MS-01	MP-01	MS-01	MP-01	MS-01	MP-01	MP-01a[1]
1	23.1	15.1	26.9	30.3	38.6	23.2	54.4	45.4	30.2	30.3	64.0	15.1	55.7	30.3	52.8	45.4	0.0
2	41.9	30.3	52.6	30.3	36.1	13.9	35.0	45.4	72.9	30.3	57.7	30.3	66.1	45.4	39.5	60.6	0.0
3	42.1	15.1	32.2	30.3	34.9	23.8	34.6	15.1	42.5	30.3	127.8	30.3	61.6	30.3	55.5	45.4	0.0
4	42.1	30.3	26.8	30.3	36.7	27.0	64.9	30.3	41.1	37.9	53.6	45.4	56.3	45.4	28.4	45.4	0.0
5	30.6	15.1	42.1	30.3	35.1	18.9	36.1	45.4	67.0	45.4	65.2	15.1	49.0	30.3	83.5	30.3	0.0
6	30.6	15.1	39.7	30.3	32.1	13.9	31.1	45.4	35.2	45.4	146.3	45.4	41.9	45.4	46.7	30.3	0.0
7	36.7	15.1	38.1	15.1	38.8	14.7	71.9	30.3	54.3	41.6	157.0	30.3	70.3	45.4	64.2	45.4	0.0
8	51.8	15.1	67.6	15.1	46.3	24.8	58.9	45.4	35.2	30.3	173.5	30.3	46.6	45.4	60.2	30.3	0.0
9	46.1	45.4	32.6	45.4	27.2	36.8	96.3	45.4	58.6	37.9	75.1	45.4	58.6	30.3	51.4	45.4	0.0
10	64.7	30.3	38.2	15.1	64.3	19.1	46.2	30.3	31.2	7.6	65.8	15.1	48.9	30.3	53.6	45.4	0.0
11	38.5	15.1	36.8	45.4	32.6	22.0	61.3	45.4	38.5	30.3	17.0	45.4	53.4	45.4	45.9	30.3	0.0
12	46.7	30.3	36.6	45.4	37.1	26.5	31.0	30.3	102.0	30.3	28.9	15.1	49.6	15.1	54.9	45.4	0.0
13	46.3	30.3	46.3	30.3	46.3	30.7	44.6	30.3	56.6	30.3	46.2	45.4	62.0	45.4	42.7	60.6	0.0
14	46.2	15.1	60.4	15.1	42.8	21.8	38.2	45.4	45.1	45.4	67.2	45.4	48.1	30.3	53.9	45.4	0.0
15	34.2	15.1	34.5	30.3	36.9	18.0	47.9	45.4	49.8	15.1	37.5	30.3	19.6	45.4	57.8	30.3	0.0
16	38.1	45.4	28.5	30.3	38.8	22.2	82.2	60.6	64.6	60.6	39.0	45.4	63.6	30.3	19.7	45.4	0.0
17	38.1	15.1	78.9	15.1	38.5	22.3	53.1	45.4	51.2	15.1	76.7	45.4	30.7	45.4	43.1	45.4	0.0
18	38.1	15.1	32.4	30.3	39.4	22.2	33.6	45.4	104.0	45.4	55.9	30.3	55.4	15.1	38.8	60.6	0.0
19	30.8	0.0	42.7	45.4	128.5	21.0	47.5	45.4	27.8	30.3	55.8	30.3	28.5	45.4	36.0	45.4	0.0
20	45.8	15.1	48.1	30.3	46.0	22.0	91.0	30.3	106.3	45.4	29.2	30.3	70.3	30.3	72.0	53.0	0.0
21	45.3	45.4	31.2	15.1	38.8	14.1	27.4	45.4	64.1	30.3	117.7	45.4	42.2	45.4	50.3	53.0	0.0
22	38.3	30.3	57.6	45.4	50.1	33.2	139.8	45.4	41.8	45.4	52.4	45.4	58.8	45.4	54.6	53.0	0.0
23	38.3	30.3	35.1	30.3	39.0	28.8	55.5	45.4	56.8	45.4	72.3	30.3	47.8	45.4	56.7	53.0	0.0
24	36.2	0.0	23.4	30.3	49.1	28.5	33.5	45.4	79.5	41.6	77.2	45.4	75.9	45.4	46.6	30.3	0.0
25	32.1	45.4	62.6	30.3	30.3	28.6	39.7	30.3	48.2	45.4	48.9	45.4	47.7	30.3	54.0	60.6	0.0
26	96.1	30.3	34.5	30.3	38.3	20.3	65.6	45.4	89.5	45.4	56.9	45.4	69.3	30.3	62.2	60.6	0.0
27	38.4	30.3	52.2	37.9	84.0	22.8	24.0	45.4	55.3	45.4	49.8	45.4	46.2	30.3	48.0	60.6	20.9
28	46.1	45.4	36.6	22.7	30.5	22.0	38.8	45.4	50.3	45.4	40.4	30.3	52.5	53.0	49.4	37.9	67.3
29	35.6	30.5	---	---	37.1	16.8	57.2	45.4	38.4	45.4	83.5	45.4	57.2	60.6	52.0	53.0	156.8
30	36.1	45.4	---	---	48.5	27.4	38.8	45.4	73.6	30.3	79.8	30.3	42.8	60.6	53.4	37.9	63.7
31	64.1	30.3	---	---	53.9	30.7	---	---	75.4	30.3	---	---	55.2	45.4	53.4	45.4	167.5
Total	1,319.1	787.6	1,175.2	832.8	1,376.6	718.0	1,580.2	1,241.6	1,787.0	1,135.6	2,118.3	1,074.7	1,631.7	1,218.9	1,581.1	1,430.9	476.3

	September		October			November			December		
Day	MS-01	MP-01	MS-01	MP-01	MP-01a - Other[2]	MS-01	MP-01	MP-01a - Other[2]	MS-01	MP-01	MP-01a - Other[2]
1	28.4	45.4	56.7	45.4	0.0	61.9	45.4	0	53.6	30.3	0.0
2	107.7	60.6	52.0	30.3	0.0	67.4	30.3	0	42.1	15.1	0.0
3	81.2	30.3	41.8	45.4	0.0	33.2	15.1	0	51.4	45.4	0.0
4	0.1	45.4	46.8	15.1	0.0	112.7	30.3	0	63.0	30.3	0.0
5	67.0	45.4	41.9	60.6	0.0	32.0	0.0	0	33.7	15.1	0.0
6	62.0	45.4	57.1	45.4	0.0	82.2	45.4	0	50.3	30.3	0.0
7	47.1	45.4	54.6	30.3	0.0	42.8	45.4	0	50.0	15.1	0.0
8	74.9	45.4	45.3	45.4	0.0	37.5	15.1	0	39.2	0.0	0.0
9	76.6	45.4	50.0	30.3	0.0	50.9	45.4	1.4	72.7	30.3	0.0
10	52.1	45.4	46.8	45.4	0.0	20.5	60.6	0	41.3	30.3	0.0
11	47.3	45.4	36.3	30.3	0.0	75.9	15.1	0	68.3	45.4	0.0
12	45.5	30.3	53.3	30.3	1.4	49.6	30.3	0	31.9	30.3	0.0
13	48.2	45.4	39.6	45.4	0.0	47.6	30.3	0	57.1	30.3	9.9
14	43.7	45.4	49.9	45.4	0.0	51.7	30.3	0	59.9	30.3	0.0
15	73.4	45.4	44.1	30.3	0.0	44.9	30.3	0	38.9	30.3	0.0
16	58.2	45.4	69.1	30.3	0.0	56.0	30.3	0	68.2	30.3	0.0
17	50.8	45.4	62.5	30.3	0.0	50.6	30.3	0	38.5	30.3	0.0
18	56.6	45.4	39.1	30.3	0.0	50.4	0.0	0	59.3	30.3	0.0
19	52.6	45.4	50.5	30.3	0.0	54.3	60.6	0	48.5	30.3	0.0
20	39.5	45.4	41.8	30.3	0.0	62.6	30.3	0	39.5	30.3	0.0
21	83.7	45.4	62.5	30.3	0.0	63.3	30.3	0	61.6	22.7	0.0
22	47.9	60.6	55.1	30.3	1.4	39.1	30.3	0	54.4	30.3	0.0
23	55.2	45.4	42.4	30.3	0.0	47.1	30.3	0	38.5	15.1	0.0
24	65.8	45.4	42.8	30.3	0.0	67.6	30.3	0	45.9	15.1	0.0
25	50.1	45.4	54.6	30.3	0.0	53.0	30.3	0	46.2	0.0	0.0
26	58.5	45.4	43.4	30.3	0.0	79.3	30.3	0	76.4	30.3	0.0
27	42.7	30.3	43.5	30.3	0.0	34.1	15.1	0	34.7	0.0	0.0
28	56.9	45.4	58.9	15.1	0.0	72.3	30.3	0	93.6	45.4	0.0
29	54.3	45.4	39.8	30.3	0.0	43.9	15.1	0	36.6	15.1	0.0
30	73.6	15.1	67.9	15.1	0.0	56.5	15.1	0	46.7	15.1	0.0
31	---	---	38.8	0.0	0.0	---	---	---	56.1	15.1	0.0
Total	1,701.7	1,317.3	1,528.7	999.3	2.8	1,640.8	878.2	1.4	1,598.0	764.7	9.9

Month	Sludge from Mine Site WWTP (m^3) (cake)	Sludge from Mine Site - Other (m^3)[3]	Sludge from Milne Port WWTP (m^3) (cake)	Sludge from Milne Port - Other (m^3)[4]
January	11.0	0.0	2.0	0.0
February	7.5	0.0	3.9	0.0
March	7.5	0.0	4.7	0.0
April	7.0	0.0	1.7	0.0
May	10.1	0.0	4.6	0.0
June	8.9	0.0	4.9	0.0
July	8.4	0.0	7.6	0.0
August	8.7	0.0	7.6	0.0
September	9.7	0.0	6.8	0.0
October	8.7	0.0	5.3	0.0
November	8.2	4.5	1.4	9.6
December	9.1	2.2	0.8	6.9
Total	104.8	6.7	51.3	16.5

Notes:
All effluent from MS-01 (Mine SIte Sewage Treatment Facilities) discharged to Mary River.
All effluent from MP-01 (Milne Port Sewage Treatment Facilities) discharged to Milne Inlet.
All sludge from WWTP pressed into cake and burned in Incinerators
[1] Treated effluent from Milne Port PWSP (MP-01a) discharged to Milne Inlet.
[2] Sewage removed from Port Site lift stations to Milne Port PWSP (MP-01a)
[3] Sewage sludge removed from Mine Site WWTP to Milne Port PWSP (MS-MRY-4a)
[4] Sewage sludge removed from Milne Port WWTP to Milne Port PWSP (MP-01a)

During the open water season, at the Mine Site, there were several instances where untreated sewage was transferred to PWSP #1 for further processing. These included failed piping, lift station float malfunctionis, and overloading of Mine Site STP totally a maximum volume of 20 m3

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
LOCATION OF TEMPORARY AND PERMANENT STORAGE AREAS FOR WASTES

Description	UTM Coordinates (NAD83)		Latitude	Longitude
	Easting (m)	Northing (m)		
Milne Port				
MP-HWB-1	503,869	7,976,308	71° 53' 12.4"	80° 53' 18.6"
MP-HWB-2	503,730	7,975,972	71° 53' 01.6"	80° 53' 33.1"
MP-HWB-3	503,543	7,975,959	71° 53' 01.2"	80° 53' 52.5"
MP-HWB-4	503,569	7,975,954	71° 53' 01.0"	80° 53' 49.8"
Milne Port Landfarm Facility (including Contaminated Snow Containment Berm)	503,751	7,975,570	71° 52' 48.6"	80° 53' 30.9"
Milne Port Waste Stabilisation Pond (PWSP - MP-01a)	503,625	7,976,015	71° 53' 03"	80° 53' 44"
Mary River Mine Site				
MS-HWB-1	558,170	7,914,598	71° 19' 35.5"	79° 22'19.2"
MS-HWB-2	558,200	7,914,585	71° 19' 35.1"	79° 22' 16.2"
MS-HWB-3	558,283	7,914,563	71° 19' 34.3"	79° 22' 08.0"
MS-HWB-4	558,295	7,914,551	71° 19' 33.9"	79° 22' 06.8"
MS-HWB-5	558,161	7,914,580	71° 19' 34.9"	79° 22' 20.1"
MS-HWB-6	558,512	7,914,710	71° 19' 38.8"	79° 21' 44.5"
MS-HWB-7	558,284	7,914,449	71° 19' 30.6"	79° 22' 08.1"
Mine Site Landfill	560,879	7,912,513	71° 18' 25.9"	79° 17' 51.8"
Exploration Camp Polishing Waste Stabilization Ponds (PWSP - MS-MRY-4a, b, c)	558,470	7,914,237	71° 19' 23.6"	79° 21' 50"
Mid-Rail				
Temporary hazardous waste and barrel fuel storage area	595,660	7,876,369	70° 58' 19"	78° 22' 13"
Steensby Port				
Temporary hazardous waste and barrel fuel storage area	594,679	7,800,514	70° 17' 35"	78° 29' 1"
Drilling Activities				
There were no driling actvities during 2015.				

Note: Refer to Figures 1.3 and 1.5 for location of waste facilities within the Milne Port and Mary River Mine Site Camps.

TABLE 2.5.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF WASTE DISPOSED IN NON-HAZARDOUS LANDFILL FACILITY

Quarter	Month and Year	Volume of Waste Deposited in Landfill (m^3)	Comments
Q1	January 2015	146	Quarterly survey conducted on April 5, 2015.
	February 2015	146	
	March 2015	147	
Q2	April 2015	227	Quarterly survey conducted on June 30, 2015.
	May 2015	227	
	June 2015	227	
Q3	July 2015	370	Quarterly survey conducted on September 28, 2015.
	August 2015	370	
	September 2015	370	
Q4	October 2015	273	Quarterly survey conducted on December 23, 2015.
	November 2015	273	
	December 2015	274	
Cumulative Total Volume for 2015		**3050**	

Note: Monthly volumes are calculated based on quarterly surveys of surfaces using methods agreed to with the QIA.

TABLE 2.5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF HYDROCARBON IMPACTED SOIL DISPOSED OF AT LANDFARM FACILITY

Date	Soil Deposited in Landfarm (m^3)	Comments
Jan-15	0	
Feb-15	0	
Mar-15	58	Remediation of contractor maintenance garage footprint
Apr-15	0	Snow removed from contractor (Anmar) tent fire
May-15	8	Hydraulic oil spill (60 L)
Jun-15	150	Diesel fuel spill (80 L) - 2 m^3 Misc. clean-up - 2 m^2 Remediation of contractor generator area footprint - 20 m^3 Remediation of former contractor garage footprint - 126 m^3
Jul-15	7	Remediation of contractor generator area footprint
Aug-15	39	Remediation of historical ash berm
Sep-15	0	
Oct-15	0	
Nov-15	0	
Dec-15	1	Contamianted snow and soil from minor spills
2015 Total	263	

Note: Volume of water pumped from contaminated snow containment facility provided in Table 2.2.

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TABLE 2.5.3

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF IRON ORE AND WASTE ROCK GENERATED - DEPOSIT NO. 1

Month and Year	Lump Ore Production (wT)	Fine Ore Production (wT)	Total Ore Production (wT)	Total NPAG Waste Rock Used for Construction Purposes (T)	Total NPAG Waste Rock Deposited in Waste Rock Dump (T)	Total PAG Waste Rock Deposited in Waste Rock Dump (T)	Total Waste Rock Generated (T)
Jan-15	40,110	11,883	51,993	6,030	0	0	6,030
Feb-15	40,703	12,168	52,871	4,590	96,750	0	101,340
Mar-15	58,456	10,112	68,568	103,250	2,790	15,945	121,985
Apr-15	86,427	26,790	113,217	72,255	34,640	30,225	137,120
May-15	48,220	16,955	65,175	148,965	1,970	7,525	158,460
Jun-15	36,803	9,069	45,872	198,120	0	8,200	206,320
Jul-15	86,033	27,202	113,235	134,050	0	0	134,050
Aug-15	97,368	1,975	99,343	103,725	0	0	103,725
Sep-15	102,572	-218	102,354	84,240	26,300	23,725	134,265
Oct-15	94,487	117,281	211,767	25,860	38,695	16,568	81,123
Nov-15	155,246	64,658	219,904	91,810	5,110	45,130	142,050
Dec-15	145,477	38,863	184,340	46,260	13,050		59,310
Cumulative Total for 2015 (T)	**991,902**	**336,738**	**1,328,640**	**1,019,155**	**219,305**	**147,318**	**1,385,778**

Note: Total quantities of waste rock excludes broken waste rock stored in-pit at the end of December 2015.
NPAG = Non-Potentially Acid Generating
PAG = Potentially Acid Generating
Ore quantties expreesed in Wet Tonnes.

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TABLE 3.1

BAFFINLAND IRON MINES CORPORATIO
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
SUMMARY OF UNAUTHORIZED DISCHARGE

Date of Occurrence	Quantity	Product Spilled	Approximate Location	Proximity to Water body?	Spill Line ID No.
02-Jan-15	600 L	Sewage (untreated)	17W 561353 7913381	>200 m	15-003
16-Jan-15	150L	Hydraulic Oil	17W 560192 7913739	>100 m	15-016
30-Jan-15	2m^3	Sewage (untreated)	17 W 503914 7976016	>350 m	15-029
02-Feb-15	200 L	Sewage (untreated)	17 W 561424 7913405	>200 m	15-033
03-Feb-15	160 L	Sewage (untreated)	17 W 503914 7976016	>350 m	15-036
06-Feb-15	150 L	Fuel - Diesel	17 W 503721 7976155	>150 m	15-039
07-Feb-15	250 L	Sewage (untreated)	17 W 503789 7975988	>200 m	15-040
10-Feb-15	150 L	Sewage (untreated)	17 W 503904 7976016	>200 m	15-044
15-Feb-15	200 L	Diesel Exhaust Fluid	17 W 503798 7976016	>200 m	15-047
12-Mar-15	1 L	Engine Oil	17 W 521899 7948843	0 m	15-089
17-Mar-15	2m^3	Sewage (untreated)	17 W 561325 7913244	>100 m	15-099
27-Mar-15	200 L	Sewage (untreated)	17 W 561344 7913391	>200 m	15-117
31-Mar-15	1000 L	Sewage (untreated)	17 W 561334 7913415	>200 m	15-123
03-Apr-15	200 L	Sewage (untreated)	17 W 561346 7913388	>200 m	15-130
08-Apr-15	300 L	Sewage (untreated)	17 W 561348 7913384	> 200 m	15--138
15-Apr-15	55 m^3	Impacted Water	17 W 503483 7976131	> 100 m	15-150
07-May-15	500 L	Fuel - Diesel	17 W 558094 7914432	>150 m	15-183
20-May-15	500 L	Sewage (untreated)	17 W 561336 7913411	>150 m	15-211
09-Jun-15	150 L	Fuel - Diesel	17 W 503711 7976171	>100 m	15-247
13-Jun-15	1 m^3	Used Engine Oil	17 W 558302 7914555	>200 m	15-254
19-Jul-15	200 L	Sewage (untreated)	17 W 503798 7975985	50 m	15-311
19-Jul-15	300 L	Sewage (untreated)	17 W 561356 7913351	>200 m	15-313
02-Aug-15	500 L	Sewage (untreated)	17 W 561355 7913377	>200 m	15-326
07-Aug-15	1 L	Hydraulic Oil	17 W 557801 7914728	0 m	15-330
26-Aug-15	200 L	Sewage (untreated)	17 W 503961 7976008	>100 m	15-357
06-Sep-15	500 L	Sewage (untreated)	17 W 503933 7975954	>200 m	15-370
13-Sep-15	150 L	Sewage (untreated)	17 W 503798 7975985	>200 m	15-378
21-Sep-15	1500 L	Sewage (untreated)	17 W 561353 7913349	>200 m	15-399
28-Sep-15	200 L	Sewage (untreated)	17 W 561344 7913386	>200 m	15-409
05-Oct-15	300 L	Waste Oil	17 W 503859 7976299	50 m	15-417
09-Oct-15	300 L	De-icing Fluid	17 W 562241 7913018	>100 m	15-425
10-Oct-15	1000 L	Sump Water	17 W 561612 7913259	>300 m	15-426
12-Oct-15	1300 L	Sewage (untreated)	17 W 503942 7975981	>100 m	15-428
17-Oct-15	500 L	Sewage (untreated)	17 W 561350 7913357	>200 m	15-435
21-Oct-15	200 L	Fuel - Diesel	17 W 503723 7976149	>200 m	15-441
25-Oct-15	2000 L	Sewage (untreated)	17 W 561334 7913430	>150 m	15-444
26-Oct-15	500 L	Sewage (untreated)	17 W 503847 7975954	>250 m	15-446
30-Oct-15	250 L	Sewage (untreated)	17 W 503944 7975982	>100 m	15-449
10-Nov-15	1500 L	Sewage (untreated)	17 W 503864 7975973	>200 m	15-458
23-Nov-15	200 L	Fuel - Diesel	17 W 503864 7975973	>200 m	15-474
28-Nov-15	450 L	Hydraulic Oil	17 W 558175 7914595	>200 m	15-483
15-Dec-15	1500 L	Sewage (untreated)	17 W 503942 7975981	>100 m	15-498

TABLE 5.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
WATER LICENCE WATER QUALITY MONITORING LOCATIONS

Monitoring Station	Description	UTM Coordinates (NAD83) Easting (m)	Northing (m)	Latitude	Longitude	Status in 2015
Milne Port Site						
MP-MRY-2	Fresh Water Intake at Philips Creek (Summer)	514,503	7,964,579	71° 46' 52" N	80° 35' 4" W	Active
MP-MRY-3	Fresh Water Intake from Km 32 Lake (Winter)	521,547	7,953,735	71° 41' 00" N	80° 23' 09" W	Active
MP-01	Milne Port Sewage Treatment Facilities (discharge into ditch prior to ocean)	503,209	7,976,485	71° 53' 18" N	80° 54' 27" W	Active
MP-01a	Milne Port Waste Stabilisation Pond (PWSP)	503,625	7,976,015	71° 53' 03" N	80° 53' 44" W	Active
MP-02	Milne Port Maintenance Shop Oily Water (WWTF)	503,754	7,976,209	71° 53' 09" N	80° 53' 30" W	Inactive (not yet constructed)
MP-03	Milne Port Bulk Fuel Storage Facility Stormwater	503,638	7,976,272	71° 52' 11" N	80° 53' 43" W	Active
MP-04	Milne Port Landfarm Facility Storm Water	503,710	7,975,574	71° 52' 49" N	80° 53' 35" W	Active
MP-MRY-04	Milne Exploration Phase Sewage Treatment Facilities	503,462	7,975,764	71° 52' 55" N	80° 54" 01" W	Inactive (Decommissioned)
MP-MRY-04a	Milne Exploration Phase Sewage PWSP	503,344	7,976,118	71° 53' 06" N	80° 54' 13" W	Inactive (Decommissioned)
MP-05	Milne Port Ore Stockpile Sedimentation Pond (East)	503,469	7,976,383	71° 53' 15" N	80° 54' 00" W	Active but no discharge
MP-06	Milne Port Ore Stockpile Sedimentation Pond (West)	503,125	7,976,364	71° 53' 14" N	80° 54' 36" W	Active but no discharge
MP-MRY-7	Milne Exploration Phase Bladder Farm Fuel Storage Facility Storm water	503,309	7,976,097	71° 53' 06" N	80° 54' 17" W	Inactive (Decommissioned)
MP-MRY-12	Bulk Sample Stockpile Area Seepage	503,357	7,976,453	71° 53' 17" N	80° 54' 11" W	Inactive (Location
MP-C-A	Surface discharge downstream of construction area at Milne Port	503,214	7,976,483	71° 53' 18" N	80° 54' 27" W	Inactive
MP-C-B		503,191	7,975,396	71° 52' 43" N	80° 54' 29" W	Active
MP-C-C		503,436	7,975,427	71° 52' 44" N	80° 54' 04" W	No flow
MP-C-D		503,651	7,976,363	71° 53' 14" N	80° 53' 41" W	No flow
MP-C-E		503,736	7,976,346	71° 53' 14" N	80° 53' 32" W	No flow
MP-C-F		503,922	7,976,304	71° 53' 12" N	80° 53' 13" W	Active
MP-C-G		502,939	7,976,238	71° 53' 10" N	80° 54' 55" W	No flow
MP-C-H		504,113	7,976,509	71° 53' 19" N	80° 52' 53" W	Active
MP-Q1-01	Surface Runoff and/or Discharge Quarries	503,828	7,975,062	71° 52' 32" N	80° 53' 23" W	Active
MP-Q1-02		503,811	7,975,272	71° 52' 39" N	80° 53' 25" W	Active
Mary River Mine Site						
MS-MRY-1	Fresh Water Intake from Camp Lake	557,793	7,914,684	71° 19' 38.6" N	79° 22' 57" W	Active
MS-01	Mine Site Sewage Treatment Facilities	561,322	7,913,257	71° 18' 49.4" N	79° 17' 5.6" W	Active
MS-01a	Mine Site Polishing/Waste Stabilization Pond (PWSP)	TBD	TBD	TBD	TBD	Active
MS-02	Mine Site Maintenance Shop Oily Water WWTF (Truck Wash)	561,638	7,913,222	71° 18' 48" N	79° 16' 34" W	Inactive (not yet commissioned)
MS-03	Mine Site Bulk Fuel Storage Facility Stormwater	561,258	7,913,304	71° 18' 51" N	79° 17' 12" W	Active but no discharge
MS-MRY-4	Exploration Camp Sewage Treaatment Facility (used as holding tank for Weatherhaven Camp)	558,141	7,914,427	71° 19' 30" N	79° 22' 22.6" W	Inactive (used as holding tank)
MS-MRY-4a	Exploration Camp Polishing Waste Stabilization Ponds (PWSP)	558,470	7,914,237	71° 19' 23.6" N	79° 21' 50" W	Active but no discharge.

TABLE 5.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
WATER LICENCE WATER QUALITY MONITORING LOCATIONS

Monitoring Station	Description	UTM Coordinates (NAD83) Easting (m)	Northing (m)	Latitude	Longitude	Status in 2015
MS-MRY-6	Exploration Camp Bulk Fuel Storage Facility (Bladder Farm) Stormwater	558,186	7,914,780	71° 19' 41" N	79° 22' 17" W	Active (in process of being decommissioned)
MS-06+	Ore Stockpile Pond Stormwater (Crusher Pad)	561,475	7,913,000	71° 18' 41" N	79° 16' 51" W	Active but no discharge
MS-08	Waste Rock Stockpile West Pond	563,492	7,916,273	71° 20' 25" N	79° 13' 18" W	Active
MS-MRY-9	Bulk Sample Open Pit - Suface water drainage (to become inactive in future)	563,246	7,914,632	71° 19' 32" N	79° 13' 48" W	Inactive (no flow)
MS-MRY-10	Bulk Sample Weathered Ore Stockpile - Downstream surface water drainage (to become inactive in the future)	563,488	7,915,197	71° 19' 50" N	79° 13' 22" W	Inactive (no flow)
MS-MRY-10A	Surface discharge downstream of km 107 on Haul Road	564,531	7,913,652	71° 18' 59" N	79° 11' 42" W	Active
MS-MRY-11	Bulk Sample Processing - Downstream surface water discharge (to become inactive in the future)	560,690	7,913,350	71° 18' 53" N	79° 18' 09" W	Inactive (no flow)
MS-MRY-13a & MS-MRY-13b	Non-Hazarous Landfill Facility - Downstream surface water drainage	13a: 560,754 13b: 560,642	13a: 7,912,484 13b: 7,912,527	13a: 71° 18' 25" N 13b: 71° 18'26.5" N	13a: 79° 18' 5" W 13b: 79° 18' 16.1" W	Active
MS-C-A	Surface discharge downstream of construction area at Mine Site	561,263	7,913,571	71° 19' 00" N	79° 17' 11" W	Active
MS-C-B		561,454	7,913,537	71° 18' 58" N	79° 16' 52" W	Active
MS-C-C		561,110	7,913,199	71° 18' 48" N	79° 17' 27" W	Active
MS-C-D		561,008	7,913,280	71° 18' 50" N	79° 17' 37" W	Active
MS-C-E	Surface discharge downstream of construction area at Mine Site	560,980	7,913,388	71° 18' 54" N	79° 17' 40" W	Active
MS-C-F		561,797	7,913,278	71° 18' 49" N	79° 16' 17" W	Active
MS-C-G		561,813	7,911,830	71° 18' 03" N	79° 16' 20" W	Active
MS-C-H		561,162	7,912,067	71° 18" 11" N	79° 17' 25" W	Active
MQ-C-A	Surface Runoff and/or Discharge Quarries	559,489	7,914,408	71° 19' 28" N	79° 20' 07" W	Active
MQ-C-B		560,076	7,913,888	71° 19' 11" N	79° 19' 09" W	Active
MQ-C-D		559,422	7,914,223	71° 19' 23" N	79° 20' 14" W	Active
MQ-C-E		563,351	7,912,902	71° 18' 36" N	79° 13' 42" W	Active

Notes:

Monitoring Station names beginning with MP-Q and MQ-C correspond to QIA Quarry Lease and Quarry Management Plans

The locations of the following Monitoring Stations have not been established at this stage of construction:

MS-01a	Mine Site Polishing/Waste Stabilization Pond (PWSP)
MS-04	Mine Site Fuel Unloading Station Stormwater
MS-05	Mine Site Landfarm Facility Stormwater
MS-07	Run of Mine Ore Stockpile Pond Stormwater
MS-09	Waste Rock Stockpile East pond

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
MILNE PORT						
L1563394-1	MP-01	1-Jan-15	pH	7.65	pH units	ALS
L1563394-1	MP-01	1-Jan-15	Total Suspended Solids	2.4	mg/L	ALS
L1563394-1	MP-01	1-Jan-15	N-NH3 (Ammonia)	0.321	mg/L	ALS
L1563394-1	MP-01	1-Jan-15	Total Kjeldahl Nitrogen	1.62	mg/L	ALS
L1563394-1	MP-01	1-Jan-15	Total Phosphorus	9.99	mg/L	ALS
L1563394-1	MP-01	1-Jan-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1563394-1	MP-01	1-Jan-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1563394-1	MP-01	1-Jan-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1566671-1	MP-01	14-Jan-15	pH	7.66	pH units	ALS
L1566671-1	MP-01	14-Jan-15	Total Suspended Solids	6.8	mg/L	ALS
L1566671-1	MP-01	14-Jan-15	N-NH3 (Ammonia)	1.79	mg/L	ALS
L1566671-1	MP-01	14-Jan-15	Total Kjeldahl Nitrogen	1.61	mg/L	ALS
L1566671-1	MP-01	14-Jan-15	Total Phosphorus	11.3	mg/L	ALS
L1566671-1	MP-01	14-Jan-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1566671-1	MP-01	14-Jan-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1566671-1	MP-01	14-Jan-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1571635-1	MP-01	28-Jan-15	pH	7.49	pH units	ALS
L1571635-1	MP-01	28-Jan-15	Total Suspended Solids	<2.0	mg/L	ALS
L1571635-1	MP-01	28-Jan-15	N-NH3 (Ammonia)	0.244	mg/L	ALS
L1571635-1	MP-01	28-Jan-15	Total Kjeldahl Nitrogen	0.57	mg/L	ALS
L1571635-1	MP-01	28-Jan-15	Total Phosphorus	12.3	mg/L	ALS
L1571635-1	MP-01	28-Jan-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1571635-1	MP-01	28-Jan-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1571635-1	MP-01	28-Jan-15	Oil & Grease - Total	<6.0	mg/L	ALS
MINE SITE						
L1563393-1	MS-01	1-Jan-15	pH	7.33	pH units	ALS
L1563393-1	MS-01	1-Jan-15	Total Suspended Solids	5.2	mg/L	ALS
L1563393-1	MS-01	1-Jan-15	N-NH3 (Ammonia)	0.38	mg/L	ALS
L1563393-1	MS-01	1-Jan-15	Total Kjeldahl Nitrogen	1.93	mg/L	ALS
L1563393-1	MS-01	1-Jan-15	Total Phosphorus	0.376	mg/L	ALS
L1563393-1	MS-01	1-Jan-15	Faecal Coliforms	8	CFU/100 mL	ALS
L1563393-1	MS-01	1-Jan-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1563393-1	MS-01	1-Jan-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1566627-1	MS-01	14-Jan-15	pH	7.18	pH units	ALS
L1566627-1	MS-01	14-Jan-15	Total Suspended Solids	12.4	mg/L	ALS
L1566627-1	MS-01	14-Jan-15	N-NH3 (Ammonia)	0.66	mg/L	ALS
L1566627-1	MS-01	14-Jan-15	Total Kjeldahl Nitrogen	2.18	mg/L	ALS
L1566627-1	MS-01	14-Jan-15	Total Phosphorus	0.737	mg/L	ALS
L1566627-1	MS-01	14-Jan-15	Faecal Coliforms	1	CFU/100 mL	ALS
L1566627-1	MS-01	14-Jan-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1566627-1	MS-01	14-Jan-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1571631-1	MS-01	28-Jan-15	pH	6.77	pH units	ALS
L1571631-1	MS-01	28-Jan-15	Total Suspended Solids	2.8	mg/L	ALS
L1571631-1	MS-01	28-Jan-15	N-NH3 (Ammonia)	0.13	mg/L	ALS
L1571631-1	MS-01	28-Jan-15	Total Kjeldahl Nitrogen	1.21	mg/L	ALS
L1571631-1	MS-01	28-Jan-15	Total Phosphorus	0.212	mg/L	ALS
L1571631-1	MS-01	28-Jan-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1571631-1	MS-01	28-Jan-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1571631-1	MS-01	28-Jan-15	Oil & Grease - Total	<6.0	mg/L	ALS
MILNE PORT						
L1576497-1	MP-01	11-Feb-15	pH	7.73	pH units	ALS
L1576497-1	MP-01	11-Feb-15	Total Suspended Solids	<2.0	mg/L	ALS
L1576497-1	MP-01	11-Feb-15	N-NH3 (Ammonia)	0.05	mg/L	ALS
L1576497-1	MP-01	11-Feb-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1576497-1	MP-01	11-Feb-15	Total Phosphorus	10.5	mg/L	ALS
L1576497-3	MP-01	11-Feb-15	Faecal Coliforms	3	CFU/100 mL	ALS
L1576497-1	MP-01	11-Feb-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1576497-1	MP-01	11-Feb-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1581061-1	MP-01	25-Feb-15	pH	7.69	pH units	ALS
L1581061-1	MP-01	25-Feb-15	Total Suspended Solids	2.8	mg/L	ALS
L1581061-1	MP-01	25-Feb-15	N-NH3 (Ammonia)	0.055	mg/L	ALS
L1581061-1	MP-01	25-Feb-15	Total Kjeldahl Nitrogen	0.98	mg/L	ALS
L1581061-1	MP-01	25-Feb-15	Total Phosphorus	11.5	mg/L	ALS
L1581061-1	MP-01	25-Feb-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1581061-1	MP-01	25-Feb-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1581061-1	MP-01	25-Feb-15	Oil & Grease - Total	<6.0	mg/L	ALS
MINE SITE						
L1576452-1	MS-01	11-Feb-15	pH	7.22	pH units	ALS
L1576452-1	MS-01	11-Feb-15	Total Suspended Solids	<2.0	mg/L	ALS
L1576452-1	MS-01	11-Feb-15	N-NH3 (Ammonia)	0.17	mg/L	ALS
L1576452-1	MS-01	11-Feb-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1576452-1	MS-01	11-Feb-15	Total Phosphorus	0.243	mg/L	ALS
L1576452-3	MS-01	11-Feb-15	Faecal Coliforms	57	CFU/100 mL	ALS
L1576452-1	MS-01	11-Feb-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1576452-1	MS-01	11-Feb-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1581015-1	MS-01	25-Feb-15	pH	7.13	pH units	ALS
L1581015-1	MS-01	25-Feb-15	Total Suspended Solids	<2.0	mg/L	ALS
L1581015-1	MS-01	25-Feb-15	N-NH3 (Ammonia)	0.178	mg/L	ALS
L1581015-1	MS-01	25-Feb-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1581015-1	MS-01	25-Feb-15	Total Phosphorus	0.248	mg/L	ALS
L1581015-1	MS-01	25-Feb-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1581015-1	MS-01	25-Feb-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1581015-1	MS-01	25-Feb-15	Oil & Grease - Total	<6.0	mg/L	ALS
MILNE PORT						
L1586005-1	MP-01	11-Mar-15	pH	-	pH units	ALS
L1586005-1	MP-01	11-Mar-15	Total Suspended Solids	2.8	mg/L	ALS
L1586005-1	MP-01	11-Mar-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1586005-1	MP-01	11-Mar-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1586005-1	MP-01	11-Mar-15	Total Phosphorus	11.5	mg/L	ALS
L1586005-1	MP-01	11-Mar-15	Faecal Coliforms	14	CFU/100 mL	ALS
L1586005-1	MP-01	11-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1586005-1	MP-01	11-Mar-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	pH	7.76	pH units	ALS
L1591514-1	MP-01	25-Mar-15	Total Suspended Solids	3	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	N-NH3 (Ammonia)	0.113	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Total Kjeldahl Nitrogen	0.69	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Total Phosphorus	15.1	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Faecal Coliforms	4	CFU/100 mL	ALS
L1591514-1	MP-01	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	pH	7.61	pH units	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Total Suspended Solids	5.5	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	N-NH3 (Ammonia)	0.061	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Total Kjeldahl Nitrogen	0.2	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Total Phosphorus	14.1	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Faecal Coliforms	5	CFU/100 mL	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Oil & Grease - Total	<4.0	mg/L	ALS
MINE SITE						
L1586000-1	MS-01	11-Mar-15	pH	7.2	pH units	ALS
L1586000-1	MS-01	11-Mar-15	Total Suspended Solids	2.8	mg/L	ALS
L1586000-1	MS-01	11-Mar-15	N-NH3 (Ammonia)	0.25	mg/L	ALS
L1586000-1	MS-01	11-Mar-15	Total Kjeldahl Nitrogen	5.81	mg/L	ALS
L1586000-1	MS-01	11-Mar-15	Total Phosphorus	0.517	mg/L	ALS
L1586000-1	MS-01	11-Mar-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1586000-1	MS-01	11-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1586000-1	MS-01	11-Mar-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	pH	7.23	pH units	ALS
L1591181-1	MS-01	25-Mar-15	Total Suspended Solids	4.5	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	N-NH3 (Ammonia)	0.312	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Total Kjeldahl Nitrogen	1.08	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Total Phosphorus	0.16	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1591181-1	MS-01	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	pH	7.41	pH units	ALS

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Total Suspended Solids	<2.0	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	N-NH3 (Ammonia)	0.329	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Total Kjeldahl Nitrogen	0.6	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Total Phosphorus	0.169	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Oil & Grease - Total	<6.0	mg/L	ALS
MILNE PORT						
L1596168-1	MP-01	8-Apr-15	pH	7.68	mg/L	ALS
L1596168-1	MP-01	8-Apr-15	Total Suspended Solids	28.4	mg/L	ALS
L1596168-1	MP-01	8-Apr-15	N-NH3 (Ammonia)	0.648	mg/L	ALS
L1596168-1	MP-01	8-Apr-15	Total Kjeldahl Nitrogen	3.12	mg/L	ALS
L1596168-1	MP-01	8-Apr-15	Total Phosphorus	16.7	mg/L	ALS
L1596168-1	MP-01	8-Apr-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1596168-1	MP-01	8-Apr-15	Biochemical Oxygen Demand	2.6	mg/L	ALS
L1596168-1	MP-01	8-Apr-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1601711-1	MP-01	22-Apr-15	pH	7.86	mg/L	ALS
L1601711-1	MP-01	22-Apr-15	Total Suspended Solids	<2.0	mg/L	ALS
L1601711-1	MP-01	22-Apr-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1601711-1	MP-01	22-Apr-15	Total Kjeldahl Nitrogen	1.59	mg/L	ALS
L1601711-1	MP-01	22-Apr-15	Total Phosphorus	11.5	mg/L	ALS
L1601711-1	MP-01	22-Apr-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1601711-1	MP-01	22-Apr-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1601711-1	MP-01	22-Apr-15	Oil & Grease - Total	<6.0	mg/L	ALS
MINE SITE						
L1596130-1	MS-01	8-Apr-15	pH	7.41	mg/L	ALS
L1596130-1	MS-01	8-Apr-15	Total Suspended Solids	<2.0	mg/L	ALS
L1596130-1	MS-01	8-Apr-15	N-NH3 (Ammonia)	0.255	mg/L	ALS
L1596130-1	MS-01	8-Apr-15	Total Kjeldahl Nitrogen	0.31	mg/L	ALS
L1596130-1	MS-01	8-Apr-15	Total Phosphorus	0.513	mg/L	ALS
L1596130-1	MS-01	8-Apr-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1596130-1	MS-01	8-Apr-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1596130-1	MS-01	8-Apr-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1601692-1	MS-01	22-Apr-15	pH	7.52	mg/L	ALS
L1601692-1	MS-01	22-Apr-15	Total Suspended Solids	8.8	mg/L	ALS
L1601692-1	MS-01	22-Apr-15	N-NH3 (Ammonia)	0.297	mg/L	ALS
L1601692-1	MS-01	22-Apr-15	Total Kjeldahl Nitrogen	0.98	mg/L	ALS
L1601692-1	MS-01	22-Apr-15	Total Phosphorus	0.811	mg/L	ALS
L1601692-1	MS-01	22-Apr-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1601692-1	MS-01	22-Apr-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1601692-1	MS-01	22-Apr-15	Oil & Grease - Total	<6.0	mg/L	ALS
MILNE PORT						
L1608003-1	MP-01	6-May-15	pH	7.36	mg/L	ALS
L1608003-1	MP-01	6-May-15	Total Suspended Solids	<2.0	mg/L	ALS
L1608003-1	MP-01	6-May-15	N-NH3 (Ammonia)	0.057	mg/L	ALS
L1608003-1	MP-01	6-May-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1608003-1	MP-01	6-May-15	Total Phosphorus	13.3	mg/L	ALS
L1608003-1	MP-01	6-May-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1608003-1	MP-01	6-May-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1608003-1	MP-01	6-May-15	Oil & Grease - Total	<4.0	mg/L	ALS
L1614440-1	MP-01	20-May-15	pH	7.53	mg/L	ALS
L1614440-1	MP-01	20-May-15	Total Suspended Solids	<2.0	mg/L	ALS
L1614440-1	MP-01	20-May-15	N-NH3 (Ammonia)	0.052	mg/L	ALS
L1614440-1	MP-01	20-May-15	Total Kjeldahl Nitrogen	1.16	mg/L	ALS
L1614440-1	MP-01	20-May-15	Total Phosphorus	14.2	mg/L	ALS
L1614440-1	MP-01	20-May-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1614440-1	MP-01	20-May-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1614440-1	MP-01	20-May-15	Oil & Grease - Total	<6.0	mg/L	ALS
MINE SITE						
L1607559-1	MS-01	6-May-15	pH	7.20	mg/L	ALS
L1607559-1	MS-01	6-May-15	Total Suspended Solids	<2.0	mg/L	ALS
L1607559-1	MS-01	6-May-15	N-NH3 (Ammonia)	0.228	mg/L	ALS
L1607559-1	MS-01	6-May-15	Total Kjeldahl Nitrogen	0.41	mg/L	ALS
L1607559-1	MS-01	6-May-15	Total Phosphorus	0.826	mg/L	ALS
L1607559-1	MS-01	6-May-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1607559-1	MS-01	6-May-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1607559-1	MS-01	6-May-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1614435-1	MS-01	20-May-15	pH	7.13	mg/L	ALS
L1614435-1	MS-01	20-May-15	Total Suspended Solids	<2.0	mg/L	ALS
L1614435-1	MS-01	20-May-15	N-NH3 (Ammonia)	0.361	mg/L	ALS
L1614435-1	MS-01	20-May-15	Total Kjeldahl Nitrogen	1.41	mg/L	ALS
L1614435-1	MS-01	20-May-15	Total Phosphorus	0.277	mg/L	ALS
L1614435-1	MS-01	20-May-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1614435-1	MS-01	20-May-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1614435-1	MS-01	20-May-15	Oil & Grease - Total	<6.0	mg/L	ALS
MILNE PORT						
L1620460-1	MP-01	3-Jun-15	pH	7.50	pH units	ALS
L1620460-1	MP-01	3-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1620460-1	MP-01	3-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1620460-1	MP-01	3-Jun-15	Total Kjeldahl Nitrogen	1.38	mg/L	ALS
L1620460-1	MP-01	3-Jun-15	Total Phosphorus	15.5	mg/L	ALS
L1620460-1	MP-01	3-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1620460-1	MP-01	3-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1620460-1	MP-01	3-Jun-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1627921-1	MP-01	17-Jun-15	pH	7.56	pH units	ALS
L1627921-1	MP-01	17-Jun-15	Total Suspended Solids	4	mg/L	ALS
L1627921-1	MP-01	17-Jun-15	N-NH3 (Ammonia)	0.199	mg/L	ALS
L1627921-1	MP-01	17-Jun-15	Total Kjeldahl Nitrogen	3.1	mg/L	ALS
L1627921-1	MP-01	17-Jun-15	Total Phosphorus	16.2	mg/L	ALS
L1627921-1	MP-01	17-Jun-15	Faecal Coliforms	6	CFU/100 mL	ALS
L1627921-1	MP-01	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627921-1	MP-01	17-Jun-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	pH	5.87	pH units	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Total Phosphorus	<0.003	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	pH	5.81	pH units	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Total Phosphorus	0.0049	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1631050-1	MP-03	*22-Jun-15*	*Benzene*	<0.50	*ug/L*	*ALS*
L1631050-1	MP-03	*22-Jun-15*	*Ethylbenzene*	<0.50	*ug/L*	*ALS*
L1631050-1	MP-03	*22-Jun-15*	*Toluene*	<0.50	*ug/L*	*ALS*
L1631050-1	MP-03	*22-Jun-15*	*Total Lead*	<0.00050	*mg/L*	*ALS*
L1631050-1	MP-03	*22-Jun-15*	*Oil & Grease - Total*	<2.0	*mg/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	pH	8.2	pH units	*ALS*
L1631050-2	MP-04	*22-Jun-15*	Total Suspended Solids	15.2	mg/L	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Benzene*	<0.50	*ug/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Ethylbenzene*	<0.50	*ug/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Toluene*	<0.50	*ug/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Total Lead*	0.00104	*mg/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Oil & Grease - Total*	<2.0	*mg/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	pH	8.21	pH units	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	Total Suspended Solids	16.4	mg/L	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Benzene*	<0.50	*ug/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Ethylbenzene*	<0.50	*ug/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Toluene*	<0.50	*ug/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Total Lead*	0.00059	*mg/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Oil & Grease - Total*	<2.0	*mg/L*	*ALS*

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TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1621567-1	MP-Q1-01	3-Jun-15	Conductivity	89.8	uS/cm	ALS
L1621567-1	MP-Q1-01	3-Jun-15	pH	8.01	pH units	ALS
L1621567-1	MP-Q1-01	3-Jun-15	Total Suspended Solids	113*	mg/L	ALS
L1621567-1	MP-Q1-01	3-Jun-15	N-NH3 (Ammonia)	0.095	mg/L	ALS
L1621567-1	MP-Q1-01	3-Jun-15	N-NO3 (Nitrate)	0.171	mg/L	ALS
L1621567-1	MP-Q1-01	3-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1625952-1	MP-Q1-01	10-Jun-15	Conductivity	185	uS/cm	ALS
L1625952-1	MP-Q1-01	10-Jun-15	pH	8	pH units	ALS
L1625952-1	MP-Q1-01	10-Jun-15	Total Suspended Solids	93.5	mg/L	ALS
L1626915-1	MP-Q1-01	15-Jun-15	pH	7.87	pH units	ALS
L1626915-1	MP-Q1-01	15-Jun-15	Total Suspended Solids	12	mg/L	ALS
L1629645-1	MP-Q1-01	17-Jun-15	Conductivity	116	uS/cm	ALS
L1629645-1	MP-Q1-01	17-Jun-15	pH	7.83	pH units	ALS
L1629645-1	MP-Q1-01	17-Jun-15	Total Suspended Solids	3.6	mg/L	ALS
L1629645-1	MP-Q1-01	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629645-1	MP-Q1-01	17-Jun-15	N-NO3 (Nitrate)	0.041	mg/L	ALS
L1629645-1	MP-Q1-01	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
44420	MP-Q1-01	17-Jun-15	Toxicity*	non-lethal	mortality %	Aquatox
L1631647-1	MP-Q1-01	23-Jun-15	pH	7.73	pH units	ALS
L1631647-1	MP-Q1-01	23-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1621567-2	MP-Q1-02	3-Jun-15	Conductivity	180	uS/cm	ALS
L1671567-2	MP-Q1-02	3-Jun-15	pH	8.03	pH units	ALS
L1671567-2	MP-Q1-02	3-Jun-15	Total Suspended Solids	203*	mg/L	ALS
L1671567-2	MP-Q1-02	3-Jun-15	N-NH3 (Ammonia)	0.086	mg/L	ALS
L1671567-2	MP-Q1-02	3-Jun-15	N-NO3 (Nitrate)	0.13	mg/L	ALS
L1671567-2	MP-Q1-02	3-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1621567-3	MP-Q1-02 (Duplicate)	3-Jun-15	Conductivity	181	uS/cm	ALS
L1671567-3	MP-Q1-02 (Duplicate)	3-Jun-15	pH	8.06	pH units	ALS
L1671567-3	MP-Q1-02 (Duplicate)	3-Jun-15	Total Suspended Solids	213	mg/L	ALS
L1671567-3	MP-Q1-02 (Duplicate)	3-Jun-15	N-NH3 (Ammonia)	0.095	mg/L	ALS
L1671567-3	MP-Q1-02 (Duplicate)	3-Jun-15	N-NO3 (Nitrate)	0.133	mg/L	ALS
L1671567-3	MP-Q1-02 (Duplicate)	3-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1625952-2	MP-Q1-02	10-Jun-15	Conductivity	193	uS/cm	ALS
L1625952-2	MP-Q1-02	10-Jun-15	pH	7.98	pH units	ALS
L1625952-2	MP-Q1-02	10-Jun-15	Total Suspended Solids	57.6	mg/L	ALS
L1626915-2	MP-Q1-02	15-Jun-15	pH	7.85	pH units	ALS
L1626915-2	MP-Q1-02	15-Jun-15	Total Suspended Solids	21.5	mg/L	ALS
L1629645-2	MP-Q1-02	17-Jun-15	Conductivity	363	uS/cm	ALS
L1629645-2	MP-Q1-02	17-Jun-15	pH	8.08	pH units	ALS
L1629645-2	MP-Q1-02	17-Jun-15	Total Suspended Solids	6.6	mg/L	ALS
L1629645-2	MP-Q1-02	17-Jun-15	N-NH3 (Ammonia)	1.91	mg/L	ALS
L1629645-2	MP-Q1-02	17-Jun-15	N-NO3 (Nitrate)	7.78	mg/L	ALS
L1629645-2	MP-Q1-02	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1631647-2	MP-Q1-02	23-Jun-15	pH	7.88	pH units	ALS
L1631647-2	MP-Q1-02	23-Jun-15	Total Suspended Solids	2.4	mg/L	ALS
L1621567-4	MP-C-B	3-Jun-15	Conductivity	282	uS/cm	ALS
L1671567-4	MP-C-B	3-Jun-15	pH	8.01	pH units	ALS
L1671567-4	MP-C-B	3-Jun-15	Total Suspended Solids	14.4	mg/L	ALS
L1671567-4	MP-C-B	3-Jun-15	N-NH3 (Ammonia)	0.258	mg/L	ALS
L1671567-4	MP-C-B	3-Jun-15	N-NO3 (Nitrate)	0.287	mg/L	ALS
L1671567-4	MP-C-B	3-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1625952-3	MP-C-B	10-Jun-15	Conductivity	357	uS/cm	ALS
L1625952-3	MP-C-B	10-Jun-15	pH	8.22	pH units	ALS
L1625952-3	MP-C-B	10-Jun-15	Total Suspended Solids	2.5	mg/L	ALS
L1625952-4	MP-C-B (Duplicate)	10-Jun-15	Conductivity	358	uS/cm	ALS
L1625952-4	MP-C-B (Duplicate)	10-Jun-15	pH	8.24	pH units	ALS
L1625952-4	MP-C-B (Duplicate)	10-Jun-15	Total Suspended Solids	3.4	mg/L	ALS
L1629645-4	MP-C-B	17-Jun-15	Conductivity	194	uS/cm	ALS
L1629645-4	MP-C-B	17-Jun-15	pH	8.24	pH units	ALS
L1629645-4	MP-C-B	17-Jun-15	Total Suspended Solids	2.9	mg/L	ALS
L1629645-4	MP-C-B	17-Jun-15	N-NH3 (Ammonia)	0.078	mg/L	ALS
L1629645-4	MP-C-B	17-Jun-15	N-NO3 (Nitrate)	0.491	mg/L	ALS
L1629645-4	MP-C-B	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1631647-3	MP-C-B	23-Jun-15	pH	8.13	pH units	ALS
L1631647-3	MP-C-B	23-Jun-15	Total Suspended Solids	2.9	mg/L	ALS
L1621567-5	MP-C-B01	3-Jun-15	Conductivity	261	uS/cm	ALS
L1671567-5	MP-C-B01	3-Jun-15	pH	7.97	pH units	ALS
L1671567-5	MP-C-B01	3-Jun-15	Total Suspended Solids	22	mg/L	ALS
L1671567-5	MP-C-B01	3-Jun-15	N-NH3 (Ammonia)	0.203	mg/L	ALS
L1671567-5	MP-C-B01	3-Jun-15	N-NO3 (Nitrate)	0.324	mg/L	ALS
L1671567-5	MP-C-B01	3-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1625952-5	MP-C-B01	10-Jun-15	Conductivity	342	uS/cm	ALS
L1625952-5	MP-C-B01	10-Jun-15	pH	8.22	pH units	ALS
L1625952-5	MP-C-B01	10-Jun-15	Total Suspended Solids	2.5	mg/L	ALS
L1629645-5	MP-C-B01	17-Jun-15	Conductivity	192	uS/cm	ALS
L1629645-5	MP-C-B01	17-Jun-15	pH	8.21	pH units	ALS
L1629645-5	MP-C-B01	17-Jun-15	Total Suspended Solids	2.9	mg/L	ALS
L1629645-5	MP-C-B01	17-Jun-15	N-NH3 (Ammonia)	0.103	mg/L	ALS
L1629645-5	MP-C-B01	17-Jun-15	N-NO3 (Nitrate)	0.51	mg/L	ALS
L1629645-5	MP-C-B01	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1631647-4	MP-C-B01	23-Jun-15	pH	8.16	pH units	ALS
L1631647-4	MP-C-B01	23-Jun-15	Total Suspended Solids	11.6	mg/L	ALS
L1631647-5	MP-C-F	23-Jun-15	pH	7.98	pH units	ALS
L1631647-5	MP-C-F	23-Jun-15	Total Suspended Solids	2	mg/L	ALS
L1625952-6	MP-C-H	10-Jun-15	Conductivity	419	uS/cm	ALS
L1625952-6	MP-C-H	10-Jun-15	pH	8.08	pH units	ALS
L1625952-6	MP-C-H	10-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629645-3	MP-C-H	17-Jun-15	Conductivity	118	uS/cm	ALS
L1629645-3	MP-C-H	17-Jun-15	pH	8.03	pH units	ALS
L1629645-3	MP-C-H	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629645-3	MP-C-H	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629645-3	MP-C-H	17-Jun-15	N-NO3 (Nitrate)	0.027	mg/L	ALS
L1629645-3	MP-C-H	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1631647-6	MP-C-H	23-Jun-15	pH	8	pH units	ALS
L1631647-6	MP-C-H	23-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
MINE SITE						
L1620458-1	MS-01	3-Jun-15	pH	7.29	pH units	ALS
L1620458-1	MS-01	3-Jun-15	Total Suspended Solids	3.2	mg/L	ALS
L1620458-1	MS-01	3-Jun-15	N-NH3 (Ammonia)	0.285	mg/L	ALS
L1620458-1	MS-01	3-Jun-15	Total Kjeldahl Nitrogen	0.5	mg/L	ALS
L1620458-1	MS-01	3-Jun-15	Total Phosphorus	1.17	mg/L	ALS
L1620458-1	MS-01	3-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1620458-1	MS-01	3-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1620458-1	MS-01	3-Jun-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	pH	7.11	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Total Suspended Solids	3.8	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	N-NH3 (Ammonia)	0.446	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Total Kjeldahl Nitrogen	1.12	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Total Phosphorus	0.678	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627907-1	MS-01	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	pH	7.10	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	N-NH3 (Ammonia)	0.638	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Total Kjeldahl Nitrogen	2.21	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Total Phosphorus	0.714	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	pH	5.96	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Total Phosphorus	<0.003	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	pH	5.88	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Total Kjeldahl Nitrogen	0.15	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Total Phosphorus	<0.003	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1621306-8	MQ-C-A	3-Jun-15	Total Suspended Solids	2.4	mg/L	ALS
L1622729-3	MQ-C-A	5-Jun-15	Conductivity	76.9	uS/cm	ALS
L1622729-3	MQ-C-A	5-Jun-15	pH	7.63	pH units	ALS
L1622729-3	MQ-C-A	5-Jun-15	Total Suspended Solids	3.6	mg/L	ALS
L1622729-3	MQ-C-A	5-Jun-15	N-NH3 (Ammonia)	<.0.05	mg/L	ALS
L1622729-3	MQ-C-A	5-Jun-15	N-NO3 (Nitrate)	0.058	mg/L	ALS
L1622729-3	MQ-C-A	5-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-3	MQ-C-A	9-Jun-15	pH	7.9	pH units	ALS
L1624083-3	MQ-C-A	9-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	Conductivity	104	uS/cm	ALS
L1629640-1	MQ-C-A	17-Jun-15	pH	8.01	pH units	ALS
L1629640-1	MQ-C-A	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	N-NO3 (Nitrate)	0.059	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	Conductivity	103	uS/cm	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	pH	7.99	pH units	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	N-NO3 (Nitrate)	0.06	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-3	MQ-C-A	24-Jun-15	pH	7.92	pH units	ALS
L1632438-3	MQ-C-A	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1621306-10	MQ-C-B	3-Jun-15	Total Suspended Solids	42.8	mg/L	ALS
L1622729-1	MQ-C-B	5-Jun-15	Conductivity	430	uS/cm	ALS
L1622729-1	MQ-C-B	5-Jun-15	pH	7.64	pH units	ALS
L1622729-1	MQ-C-B	5-Jun-15	Total Suspended Solids	74	mg/L	ALS
L1622729-1	MQ-C-B	5-Jun-15	N-NH3 (Ammonia)	3.16	mg/L	ALS
L1622729-1	MQ-C-B	5-Jun-15	N-NO3 (Nitrate)	6.62	mg/L	ALS
L1622729-1	MQ-C-B	5-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-1	MQ-C-B	9-Jun-15	pH	7.69	pH units	ALS
L1624083-1	MQ-C-B	9-Jun-15	Total Suspended Solids	4.4	mg/L	ALS
L1629640-2	MQ-C-B	17-Jun-15	Conductivity	275	uS/cm	ALS
L1629640-2	MQ-C-B	17-Jun-15	pH	7.69	pH units	ALS
L1629640-2	MQ-C-B	17-Jun-15	Total Suspended Solids	2.6	mg/L	ALS
L1629640-2	MQ-C-B	17-Jun-15	N-NH3 (Ammonia)	0.748	mg/L	ALS
L1629640-2	MQ-C-B	17-Jun-15	N-NO3 (Nitrate)	1.9	mg/L	ALS
L1629640-2	MQ-C-B	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
44419	MQ-C-B	17-Jun-15	Toxicity*	non-lethal	mortality %	Aquatox
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	Conductivity	<3.0	uS/cm	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	pH	6.57	pH units	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	N-NO3 (Nitrate)	<0.02	mg/L	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-1	MQ-C-B	24-Jun-15	pH	7.89	pH units	ALS
L1632438-1	MQ-C-B	24-Jun-15	Total Suspended Solids	9.2	mg/L	ALS
L1632438-2	MQ-C-B (Duplicate)	24-Jun-15	pH	7.92	pH units	ALS
L1632438-2	MQ-C-B (Duplicate)	24-Jun-15	Total Suspended Solids	2	mg/L	ALS
L1621306-11	MQ-C-D	3-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1622729-2	MQ-C-D	5-Jun-15	Conductivity	123	uS/cm	ALS
L1622729-2	MQ-C-D	5-Jun-15	pH	7.66	pH units	ALS
L1622729-2	MQ-C-D	5-Jun-15	Total Suspended Solids	8.4	mg/L	ALS
L1622729-2	MQ-C-D	5-Jun-15	N-NH3 (Ammonia)	0.262	mg/L	ALS
L1622729-2	MQ-C-D	5-Jun-15	N-NO3 (Nitrate)	0.579	mg/L	ALS
L1622729-2	MQ-C-D	5-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-2	MQ-C-D	9-Jun-15	pH	7.85	pH units	ALS
L1624083-2	MQ-C-D	9-Jun-15	Total Suspended Solids	6.4	mg/L	ALS
L1629640-3	MQ-C-D	17-Jun-15	Conductivity	164	uS/cm	ALS
L1629640-3	MQ-C-D	17-Jun-15	pH	8.02	pH units	ALS
L1629640-3	MQ-C-D	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-3	MQ-C-D	17-Jun-15	N-NH3 (Ammonia)	0.094	mg/L	ALS
L1629640-3	MQ-C-D	17-Jun-15	N-NO3 (Nitrate)	0.446	mg/L	ALS
L1629640-3	MQ-C-D	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-4	MQ-C-D	24-Jun-15	pH	8.02	pH units	ALS
L1632438-4	MQ-C-D	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-10	MQ-C-E	17-Jun-15	Conductivity	212	uS/cm	ALS
L1629640-10	MQ-C-E	17-Jun-15	pH	8.24	pH units	ALS
L1629640-10	MQ-C-E	17-Jun-15	Total Suspended Solids	4.8	mg/L	ALS
L1629640-10	MQ-C-E	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-10	MQ-C-E	17-Jun-15	N-NO3 (Nitrate)	0.392	mg/L	ALS
L1629640-10	MQ-C-E	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-5	MQ-C-E	24-Jun-15	pH	8.1	pH units	ALS
L1632438-5	MQ-C-E	24-Jun-15	Total Suspended Solids	4.4	mg/L	ALS
L1621306-5	MS-C-A	3-Jun-15	Total Suspended Solids	5.60	mg/L	ALS
L1622861-3	MS-C-A	6-Jun-15	Conductivity	99.7	uS/cm	ALS
L1622861-3	MS-C-A	6-Jun-15	pH	7.68	pH units	ALS
L1622861-3	MS-C-A	6-Jun-15	Total Suspended Solids	4.4	mg/L	ALS
L1622861-3	MS-C-A	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-3	MS-C-A	6-Jun-15	N-NO3 (Nitrate)	0.361	mg/L	ALS
L1622861-3	MS-C-A	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-5	MS-C-A	9-Jun-15	pH	7.76	pH units	ALS
L1624083-5	MS-C-A	9-Jun-15	Total Suspended Solids	3.2	mg/L	ALS
L1629640-11	MS-C-A	17-Jun-15	Conductivity	90.4	uS/cm	ALS
L1629640-11	MS-C-A	17-Jun-15	pH	7.84	pH units	ALS
L1629640-11	MS-C-A	17-Jun-15	Total Suspended Solids	2.1	mg/L	ALS
L1629640-11	MS-C-A	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-11	MS-C-A	17-Jun-15	N-NO3 (Nitrate)	0.134	mg/L	ALS
L1629640-11	MS-C-A	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	Conductivity	<3.0	uS/cm	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	pH	6.24	pH units	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	N-NO3 (Nitrate)	<0.02	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-7	MS-C-A	24-Jun-15	pH	7.69	pH units	ALS
L1632438-7	MS-C-A	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1621306-7	MS-C-B	3-Jun-15	Total Suspended Solids	3.6	mg/L	ALS
L1622861-5	MS-C-B	6-Jun-15	Conductivity	98.3	uS/cm	ALS
L1622861-5	MS-C-B	6-Jun-15	pH	7.62	pH units	ALS
L1622861-5	MS-C-B	6-Jun-15	Total Suspended Solids	8	mg/L	ALS
L1622861-5	MS-C-B	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-5	MS-C-B	6-Jun-15	N-NO3 (Nitrate)	0.383	mg/L	ALS
L1622861-5	MS-C-B	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-6	MS-C-B	9-Jun-15	pH	7.39	pH units	ALS
L1624083-6	MS-C-B	9-Jun-15	Total Suspended Solids	9.2	mg/L	ALS
L1629640-12	MS-C-B	17-Jun-15	Conductivity	93.9	uS/cm	ALS
L1629640-12	MS-C-B	17-Jun-15	pH	7.86	pH units	ALS
L1629640-12	MS-C-B	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-12	MS-C-B	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-12	MS-C-B	17-Jun-15	N-NO3 (Nitrate)	0.128	mg/L	ALS
L1629640-12	MS-C-B	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-10	MS-C-B	24-Jun-15	pH	7.6	pH units	ALS
L1632438-10	MS-C-B	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1621306-1	MS-C-C	3-Jun-15	Total Suspended Solids	18.8	mg/L	ALS
L1632438-9	MS-C-C	24-Jun-15	pH	7.83	pH units	ALS

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TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1632438-9	MS-C-C	24-Jun-15	Total Suspended Solids	2.4	mg/L	ALS
L1621306-2	MS-C-D	3-Jun-15	Total Suspended Solids	9.2	mg/L	ALS
L1622861-6	MS-C-D	6-Jun-15	Conductivity	108	uS/cm	ALS
L1622861-6	MS-C-D	6-Jun-15	pH	7.9	pH units	ALS
L1622861-6	MS-C-D	6-Jun-15	Total Suspended Solids	6.4	mg/L	ALS
L1622861-6	MS-C-D	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-6	MS-C-D	6-Jun-15	N-NO3 (Nitrate)	0.224	mg/L	ALS
L1622861-6	MS-C-D	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-8	MS-C-D	9-Jun-15	pH	7.87	pH units	ALS
L1624083-8	MS-C-D	9-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1624083-7	MS-C-D (Duplicate)	9-Jun-15	pH	7.83	pH units	ALS
L1624083-7	MS-C-D (Duplicate)	9-Jun-15	Total Suspended Solids	5.6	mg/L	ALS
L1621306-3	MS-C-E	3-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	Conductivity	163	uS/cm	ALS
L1622861-7	MS-C-E	6-Jun-15	pH	8.06	pH units	ALS
L1622861-7	MS-C-E	6-Jun-15	Total Suspended Solids	2	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	N-NO3 (Nitrate)	0.076	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	Conductivity	164	uS/cm	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	pH	8.04	pH units	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	Total Suspended Solids	4.8	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	N-NO3 (Nitrate)	0.065	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-9	MS-C-E	9-Jun-15	pH	8.19	pH units	ALS
L1624083-9	MS-C-E	9-Jun-15	Total Suspended Solids	2	mg/L	ALS
L1629640-6	MS-C-E	17-Jun-15	Conductivity	261	uS/cm	ALS
L1629640-6	MS-C-E	17-Jun-15	pH	8.37	pH units	ALS
L1629640-6	MS-C-E	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-6	MS-C-E	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-6	MS-C-E	17-Jun-15	N-NO3 (Nitrate)	0.041	mg/L	ALS
L1629640-6	MS-C-E	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-8	MS-C-E	24-Jun-15	pH	8.04	pH units	ALS
L1632438-8	MS-C-E	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1621306-6	MS-C-F	3-Jun-15	Total Suspended Solids	13.6	mg/L	ALS
L1622861-2	MS-C-F	6-Jun-15	Conductivity	93.7	uS/cm	ALS
L1622861-2	MS-C-F	6-Jun-15	pH	7.63	pH units	ALS
L1622861-2	MS-C-F	6-Jun-15	Total Suspended Solids	9.6	mg/L	ALS
L1622861-2	MS-C-F	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-2	MS-C-F	6-Jun-15	N-NO3 (Nitrate)	0.255	mg/L	ALS
L1622861-2	MS-C-F	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-10	MS-C-F	9-Jun-15	pH	7.69	pH units	ALS
L1624083-10	MS-C-F	9-Jun-15	Total Suspended Solids	16	mg/L	ALS
L1629640-4	MS-C-F	17-Jun-15	Conductivity	90.6	uS/cm	ALS
L1629640-4	MS-C-F	17-Jun-15	pH	7.87	pH units	ALS
L1629640-4	MS-C-F	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-4	MS-C-F	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-4	MS-C-F	17-Jun-15	N-NO3 (Nitrate)	0.11	mg/L	ALS
L1629640-4	MS-C-F	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-6	MS-C-F	24-Jun-15	pH	7.88	pH units	ALS
L1632438-6	MS-C-F	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1621306-4	MS-C-G	3-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1622861-1	MS-C-G	6-Jun-15	Conductivity	44.3	uS/cm	ALS
L1622861-1	MS-C-G	6-Jun-15	pH	7.48	pH units	ALS
L1622861-1	MS-C-G	6-Jun-15	Total Suspended Solids	2.4	mg/L	ALS
L1622861-1	MS-C-G	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-1	MS-C-G	6-Jun-15	N-NO3 (Nitrate)	0.166	mg/L	ALS
L1622861-1	MS-C-G	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-11	MS-C-G	9-Jun-15	pH	7.56	pH units	ALS
L1624083-11	MS-C-G	9-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-5	MS-C-G	17-Jun-15	Conductivity	43.5	uS/cm	ALS
L1629640-5	MS-C-G	17-Jun-15	pH	7.66	pH units	ALS
L1629640-5	MS-C-G	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-5	MS-C-G	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-5	MS-C-G	17-Jun-15	N-NO3 (Nitrate)	0.039	mg/L	ALS
L1629640-5	MS-C-G	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-12	MS-C-G	24-Jun-15	pH	7.68	pH units	ALS
L1632438-12	MS-C-G	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1622861-4	MS-C-H	6-Jun-15	Conductivity	72.4	uS/cm	ALS
L1622861-4	MS-C-H	6-Jun-15	pH	7.68	pH units	ALS
L1622861-4	MS-C-H	6-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1622861-4	MS-C-H	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-4	MS-C-H	6-Jun-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1622861-4	MS-C-H	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1624083-12	MS-C-H	9-Jun-15	pH	7.69	pH units	ALS
L1624083-12	MS-C-H	9-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1632438-11	MS-C-H	24-Jun-15	pH	7.68	pH units	ALS
L1632438-11	MS-C-H	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1621306-12	MS-MRY-13A	3-Jun-15	Total Suspended Solids	2.0	mg/L	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*pH*	7.87	pH units	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*Total Arsenic*	<0.0010	mg/L	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*Total Copper*	0.0017	mg/L	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*Total Lead*	<0.00050	mg/L	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*Total Nickel*	0.0122	mg/L	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*Total Zinc*	0.0046	mg/L	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*Total Suspended Solids*	<2.0	mg/L	ALS
L1622862-1	MS-MRY-13A	6-Jun-15	*Oil & Grease - Total*	<2.0	mg/L	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*pH*	8.26	pH units	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*Total Arsenic*	0.00021	mg/L	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*Total Copper*	0.0017	mg/L	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*Total Lead*	<0.00005	mg/L	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*Total Nickel*	0.0139	mg/L	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*Total Zinc*	<0.003	mg/L	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*Total Suspended Solids*	<2.0	mg/L	ALS
L1629640-9	MS-MRY-13A	17-Jun-15	*Oil & Grease - Total*	<2.0	mg/L	ALS
L1632438-13	MS-MRY-13A	24-Jun-15	pH	7.86	pH units	ALS
L1632438-13	MS-MRY-13A	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*pH*	8.29	pH units	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*Total Arsenic*	0.00025	mg/L	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*Total Copper*	0.0017	mg/L	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*Total Lead*	<0.00005	mg/L	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*Total Nickel*	0.0134	mg/L	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*Total Zinc*	<0.003	mg/L	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*Total Suspended Solids*	<2.0	mg/L	ALS
L1635547-1	MS-MRY-13A	29-Jun-15	*Oil & Grease - Total*	<2.0	mg/L	ALS
L1621306-13	MS-MRY-13B	3-Jun-15	Total Suspended Solids	2.4	mg/L	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*pH*	8.08	pH units	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*Total Arsenic*	<0.0010	mg/L	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*Total Copper*	0.0016	mg/L	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*Total Lead*	<0.00050	mg/L	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*Total Nickel*	0.0085	mg/L	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*Total Zinc*	<0.0030	mg/L	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*Total Suspended Solids*	21.2	mg/L	ALS
L1622862-2	MS-MRY-13B	6-Jun-15	*Oil & Grease - Total*	<2.0	mg/L	ALS
L1632438-14	MS-MRY-13B	24-Jun-15	pH	8.02	pH units	ALS
L1632438-14	MS-MRY-13B	24-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*pH*	8.02	pH units	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*Total Arsenic*	0.0001	mg/L	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*Total Copper*	0.0015	mg/L	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*Total Lead*	0.000067	mg/L	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*Total Nickel*	0.0057	mg/L	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*Total Zinc*	<0.003	mg/L	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*Total Suspended Solids*	4	mg/L	ALS
L1635547-2	MS-MRY-13B	29-Jun-15	*Oil & Grease - Total*	<2.0	mg/L	ALS

Note: **Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)*

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
**Acute lethality to Daphnia magna (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14)*						
Bold and yellow highlight indicates exceedance of Water Licence water quality criteria.						
** Exceedance of Water Licence Criteria of 100 mg/L for TSS on June 3 for MP-Q1-01 and MP-Q1-02 caused by rapid melt of drainage that had entrainded sediments in snow.*						
High TSS levels were short term and managed by means of excavation and silt fences.						
MILNE PORT						
L1635413-1	MP-01	1-Jul-15	pH	7.40	pH units	ALS
L1635413-1	MP-01	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635413-1	MP-01	1-Jul-15	N-NH3 (Ammonia)	0.063	mg/L	ALS
L1635413-1	MP-01	1-Jul-15	Total Kjeldahl Nitrogen	0.21	mg/L	ALS
L1635413-1	MP-01	1-Jul-15	Total Phosphorus	15.8	mg/L	ALS
L1635413-1	MP-01	1-Jul-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1635413-1	MP-01	1-Jul-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1635413-1	MP-01	1-Jul-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1645830-1	MP-01	22-Jul-15	pH	7.80	pH units	ALS
L1645830-1	MP-01	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1645830-1	MP-01	22-Jul-15	N-NH3 (Ammonia)	1.48	mg/L	ALS
L1645830-1	MP-01	22-Jul-15	Total Kjeldahl Nitrogen	3.16	mg/L	ALS
L1645830-1	MP-01	22-Jul-15	Total Phosphorus	10.8	mg/L	ALS
L1645830-1	MP-01	22-Jul-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1645830-1	MP-01	22-Jul-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1645830-1	MP-01	22-Jul-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	pH	9.87*	pH units	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	Total Suspended Solids	71	mg/L	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	Alkalinity, Total (as CaCO3)	30	mg/L	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	N-NH3 (Ammonia)	1.34	mg/L	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	Total Kjeldahl Nitrogen	23	mg/L	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	Total Phosphorus	2.9	mg/L	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	Faecal Coliforms	<10	CFU/100 mL	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	Biochemical Oxygen Demand	67	mg/L	ALS
L1649794-6	MP-01A (pre-discharge)	28-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	pH	8.5	pH units	ALS
L1646834-1	MP-03	20-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Total Phosphorus	0.0032	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Total Arsenic	<0.0010	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Total Copper	<0.0010	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Total Lead	<0.00050	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Total Nickel	<0.0010	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Total Zinc	<0.0030	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Oil & Grease Total	<2.0	mg/L	ALS
L1646834-1	MP-03	20-Jul-15	Benzene	<0.50	ug/L	ALS
L1646834-1	MP-03	20-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1646834-1	MP-03	20-Jul-15	Toluene	<100	ug/L	ALS
L1646834-1	MP-03	20-Jul-15	F1 (C6-C10)	<100	ug/L	ALS
L1646834-1	MP-03	20-Jul-15	F2 (C10-C16)	<250	ug/L	ALS
L1646834-1	MP-03	20-Jul-15	F3 (C16-C34)	<250	ug/L	ALS
L1646834-1	MP-03	20-Jul-15	F4 (C34-C50)	<380	ug/L	ALS
L1646834-1	MP-03	20-Jul-15	Total Hydrocarbons (C6-C50)	660	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	pH	8.49	pH units	ALS
L1646834-2	MP-04	20-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1646834-2	MP-04	20-Jul-15	Total Lead	<0.00050	mg/L	ALS
L1646834-2	MP-04	20-Jul-15	Oil & Grease Total	<2.0	mg/L	ALS
L1646834-2	MP-04	20-Jul-15	Benzene	<0.50	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	Toluene	<0.50	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	F1 (C6-C10)	<100	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	F2 (C10-C16)	160	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	F3 (C16-C34)	<250	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	F4 (C34-C50)	<250	ug/L	ALS
L1646834-2	MP-04	20-Jul-15	Total Hydrocarbons (C6-C50)	<380	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	pH	8.39	pH units	ALS
L1649794-4	MP-04	28-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1649794-4	MP-04	28-Jul-15	Total Lead	<0.00050	mg/L	ALS
L1649794-4	MP-04	28-Jul-15	Oil & Grease Total	<2.0	mg/L	ALS
L1649794-4	MP-04	28-Jul-15	Benzene	<0.50	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	Toluene	<0.50	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	F1 (C6-C10)	<100	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	F2 (C10-C16)	170	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	F3 (C16-C34)	<250	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	F4 (C34-C50)	<250	ug/L	ALS
L1649794-4	MP-04	28-Jul-15	Total Hydrocarbons (C6-C50)	<380	ug/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	Conductivity	165	uS/cm	ALS
L1635665-1	MP-Q1-01	1-Jul-15	pH	7.94	pH units	ALS
L1635665-1	MP-Q1-01	1-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	N-NO3 (Nitrate)	0.059	mg/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	Conductivity	165	uS/cm	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	pH	7.98	pH units	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	N-NO3 (Nitrate)	0.057	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639480-1	MP-Q1-01	8-Jul-15	pH	8.02	pH units	ALS
L1639480-1	MP-Q1-01	8-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1642217-1	MP-Q1-01	14-Jul-15	Conductivity	268	uS/cm	ALS
L1642217-1	MP-Q1-01	14-Jul-15	pH	8.11	pH units	ALS
L1642217-1	MP-Q1-01	14-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1642217-1	MP-Q1-01	14-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1642217-1	MP-Q1-01	14-Jul-15	N-NO3 (Nitrate)	0.336	mg/L	ALS
L1642217-1	MP-Q1-01	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	Conductivity	268	uS/cm	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	pH	8.09	pH units	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	N-NH3 (Ammonia)	0.06	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	N-NO3 (Nitrate)	0.335	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	Conductivity	<3.0	uS/cm	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	pH	5.98	pH units	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	Conductivity	<3.0	uS/cm	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	pH	5.85	pH units	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647370-1	MP-Q1-01	22-Jul-15	pH	8.18	pH units	ALS
L1647370-1	MP-Q1-01	22-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1649794-1	MP-Q1-01	28-Jul-15	Conductivity	369	uS/cm	ALS
L1649794-1	MP-Q1-01	28-Jul-15	pH	8.08	pH units	ALS
L1649794-1	MP-Q1-01	28-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1649794-1	MP-Q1-01	28-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1649794-1	MP-Q1-01	28-Jul-15	N-NO3 (Nitrate)	0.766	mg/L	ALS
L1649794-1	MP-Q1-01	28-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635665-3	MP-Q1-02	1-Jul-15	Conductivity	647	uS/cm	ALS
L1635665-3	MP-Q1-02	1-Jul-15	pH	7.94	pH units	ALS
L1635665-3	MP-Q1-02	1-Jul-15	Total Suspended Solids	9.6	mg/L	ALS
L1635665-3	MP-Q1-02	1-Jul-15	N-NH3 (Ammonia)	2.96	mg/L	ALS
L1635665-3	MP-Q1-02	1-Jul-15	N-NO3 (Nitrate)	7.78	mg/L	ALS
L1635665-3	MP-Q1-02	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639480-2	MP-Q1-02	8-Jul-15	pH	7.93	pH units	ALS
L1639480-2	MP-Q1-02	8-Jul-15	Total Suspended Solids	28	mg/L	ALS
L1639480-3	MP-Q1-02 (Duplicate)	8-Jul-15	pH	7.94	pH units	ALS
L1639480-3	MP-Q1-02 (Duplicate)	8-Jul-15	Total Suspended Solids	28	mg/L	ALS

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1642217-5	MP-Q1-02	14-Jul-15	Conductivity	786	uS/cm	ALS
L1642217-5	MP-Q1-02	14-Jul-15	pH	7.93	pH units	ALS
L1642217-5	MP-Q1-02	14-Jul-15	Total Suspended Solids	12.4	mg/L	ALS
L1642217-5	MP-Q1-02	14-Jul-15	N-NH3 (Ammonia)	2.81	mg/L	ALS
L1642217-5	MP-Q1-02	14-Jul-15	N-NO3 (Nitrate)	12.9	mg/L	ALS
L1642217-5	MP-Q1-02	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647370-2	MP-Q1-02	22-Jul-15	pH	8.1	pH units	ALS
L1647370-2	MP-Q1-02	22-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1649794-2	MP-Q1-02	28-Jul-15	Conductivity	723	uS/cm	ALS
L1649794-2	MP-Q1-02	28-Jul-15	pH	8.07	pH units	ALS
L1649794-2	MP-Q1-02	28-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1649794-2	MP-Q1-02	28-Jul-15	N-NH3 (Ammonia)	0.578	mg/L	ALS
L1649794-2	MP-Q1-02	28-Jul-15	N-NO3 (Nitrate)	18	mg/L	ALS
L1649794-2	MP-Q1-02	28-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
44850	MP-Q1-02	28-Jul-15	Toxicity*	non-lethal	mortality %	Aquatox
L1635665-5	MP-C-B	1-Jul-15	Conductivity	371	uS/cm	ALS
L1635665-5	MP-C-B	1-Jul-15	pH	8.29	pH units	ALS
L1635665-5	MP-C-B	1-Jul-15	Total Suspended Solids	5.2	mg/L	ALS
L1635665-5	MP-C-B	1-Jul-15	N-NH3 (Ammonia)	0.229	mg/L	ALS
L1635665-5	MP-C-B	1-Jul-15	N-NO3 (Nitrate)	0.999	mg/L	ALS
L1635665-5	MP-C-B	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639480-4	MP-C-B	8-Jul-15	pH	8.28	pH units	ALS
L1639480-4	MP-C-B	8-Jul-15	Total Suspended Solids	4.4	mg/L	ALS
L1642217-6	MP-C-B	14-Jul-15	Conductivity	475	uS/cm	ALS
L1642217-6	MP-C-B	14-Jul-15	pH	8.39	pH units	ALS
L1642217-6	MP-C-B	14-Jul-15	Total Suspended Solids	3.6	mg/L	ALS
L1642217-6	MP-C-B	14-Jul-15	N-NH3 (Ammonia)	0.149	mg/L	ALS
L1642217-6	MP-C-B	14-Jul-15	N-NO3 (Nitrate)	1.33	mg/L	ALS
L1642217-6	MP-C-B	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647370-3	MP-C-B	22-Jul-15	pH	8.34	pH units	ALS
L1647370-3	MP-C-B	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635665-6	MP-C-B01	1-Jul-15	Conductivity	350	uS/cm	ALS
L1635665-6	MP-C-B01	1-Jul-15	pH	8.35	pH units	ALS
L1635665-6	MP-C-B01	1-Jul-15	Total Suspended Solids	6.4	mg/L	ALS
L1635665-6	MP-C-B01	1-Jul-15	N-NH3 (Ammonia)	0.219	mg/L	ALS
L1635665-6	MP-C-B01	1-Jul-15	N-NO3 (Nitrate)	1.63	mg/L	ALS
L1635665-6	MP-C-B01	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639480-5	MP-C-B01	8-Jul-15	pH	8.33	pH units	ALS
L1639480-5	MP-C-B01	8-Jul-15	Total Suspended Solids	6	mg/L	ALS
L1642217-7	MP-C-B01	14-Jul-15	Conductivity	470	uS/cm	ALS
L1642217-7	MP-C-B01	14-Jul-15	pH	8.37	pH units	ALS
L1642217-7	MP-C-B01	14-Jul-15	Total Suspended Solids	4	mg/L	ALS
L1642217-7	MP-C-B01	14-Jul-15	N-NH3 (Ammonia)	0.155	mg/L	ALS
L1642217-7	MP-C-B01	14-Jul-15	N-NO3 (Nitrate)	2.48	mg/L	ALS
L1642217-7	MP-C-B01	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635665-4	MP-C-H	1-Jul-15	Conductivity	146	uS/cm	ALS
L1635665-4	MP-C-H	1-Jul-15	pH	8.06	pH units	ALS
L1635665-4	MP-C-H	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635665-4	MP-C-H	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635665-4	MP-C-H	1-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1635665-4	MP-C-H	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639480-7	MP-C-H	8-Jul-15	pH	8.19	pH units	ALS
L1639480-7	MP-C-H	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1642217-8	MP-C-H	14-Jul-15	Conductivity	217	uS/cm	ALS
L1642217-8	MP-C-H	14-Jul-15	pH	8.24	pH units	ALS
L1642217-8	MP-C-H	14-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1642217-8	MP-C-H	14-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1642217-8	MP-C-H	14-Jul-15	N-NO3 (Nitrate)	0.052	mg/L	ALS
L1642217-8	MP-C-H	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647370-4	MP-C-H	22-Jul-15	pH	8.43	pH units	ALS
L1647370-4	MP-C-H	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1649794-3	MP-C-H	28-Jul-15	Conductivity	283	uS/cm	ALS
L1649794-3	MP-C-H	28-Jul-15	pH	8.3	pH units	ALS
L1649794-3	MP-C-H	28-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1649794-3	MP-C-H	28-Jul-15	N-NH3 (Ammonia)	0.133	mg/L	ALS
L1649794-3	MP-C-H	28-Jul-15	N-NO3 (Nitrate)	0.328	mg/L	ALS
L1649794-3	MP-C-H	28-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
MINE SITE						
L1635412-1	MS-01	1-Jul-15	pH	7.37	pH units	ALS
L1635412-1	MS-01	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635412-1	MS-01	1-Jul-15	N-NH3 (Ammonia)	0.204	mg/L	ALS
L1635412-1	MS-01	1-Jul-15	Total Kjeldahl Nitrogen	1.71	mg/L	ALS
L1635412-1	MS-01	1-Jul-15	Total Phosphorus	1.13	mg/L	ALS
L1635412-1	MS-01	1-Jul-15	Faecal Coliforms	1	CFU/100 mL	ALS
L1635412-1	MS-01	1-Jul-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1635412-1	MS-01	1-Jul-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1642328-1	MS-01	15-Jul-15	pH	6.95	mg/L	ALS
L1642328-1	MS-01	15-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1642328-1	MS-01	15-Jul-15	N-NH3 (Ammonia)	0.25	mg/L	ALS
L1642328-1	MS-01	15-Jul-15	Total Kjeldahl Nitrogen	1.52	mg/L	ALS
L1642328-1	MS-01	15-Jul-15	Total Phosphorus	0.398	mg/L	ALS
L1643986-1	MS-01	16-Jul-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1642328-1	MS-01	15-Jul-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1642328-1	MS-01	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1649326-1	MS-01	29-Jul-15	pH	7.12	pH units	ALS
L1649326-1	MS-01	29-Jul-15	Total Suspended Solids	5.6	mg/L	ALS
L1649326-1	MS-01	29-Jul-15	N-NH3 (Ammonia)	0.355	mg/L	ALS
L1649326-1	MS-01	29-Jul-15	Total Kjeldahl Nitrogen	1.54	mg/L	ALS
L1649326-1	MS-01	29-Jul-15	Total Phosphorus	0.526	mg/L	ALS
L1649326-1	MS-01	29-Jul-15	Faecal Coliforms	2	CFU/100 mL	ALS
L1649326-1	MS-01	29-Jul-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1649326-1	MS-01	29-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	pH	7.82	mg/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	Total Suspended Solids	8.8	mg/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	Total Lead	<0.0050	mg/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	Oil and Grease, Total	23.3*	mg/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	Benzene	<0.50	ug/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	Toluene	<0.50	ug/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	F1 (C6-C10)	<100	ug/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	F2 (C10-C16)	800	ug/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	F3 (C16-C34)	630	ug/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	F4 (C34-C50)	<250	ug/L	ALS
L1641594-1	MS-03 (Pre-Discharge)	13-Jul-15	Total Hydrocarbons (C6-C50)	1420	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	Oil and Grease, Total	<2.0	mg/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	Benzene	<0.50	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	Toluene	<0.50	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	F1 (C6-C10)	<100	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	F2 (C10-C16)	250	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	F3 (C16-C34)	270	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	F4 (C34-C50)	<250	ug/L	ALS
L1635673-1	MS-MRY-6 @12:15	1-Jul-15	Total Hydrocarbons (C6-C50)	520	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	Oil and Grease, Total	<2.0	mg/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	Benzene	<0.50	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	Toluene	<0.50	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	F1 (C6-C10)	<100	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	F2 (C10-C16)	260	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	F3 (C16-C34)	400	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	F4 (C34-C50)	<250	ug/L	ALS
L1635673-2	MS-MRY-6 @16:15	1-Jul-15	Total Hydrocarbons (C6-C50)	660	ug/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	Oil and Grease, Total	<2.0	mg/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	Benzene	<0.50	ug/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	Toluene	<0.50	ug/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	F1 (C6-C10)	<100	ug/L	ALS

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	F2 (C10-C16)	280	ug/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	F3 (C16-C34)	320	ug/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	F4 (C34-C50)	<250	ug/L	ALS
L1635673-6	MS-MRY-6 @ 20:25	1-Jul-15	Total Hydrocarbons (C6-C50)	600	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	pH	7.53	mg/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	Total Suspended Solids	12	mg/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	Total Lead	<0.00050	mg/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	Oil and Grease, Total	<2.0	mg/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	Benzene	<0.50	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	Ethylbenzene	<0.50	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	Toluene	<0.50	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	F1 (C6-C10)	<100	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	F2 (C10-C16)	110	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	F3 (C16-C34)	250	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	F4 (C34-C50)	<250	ug/L	ALS
L1642742-1	MS-MRY-6	15-Jul-15	Total Hydrocarbons (C6-C50)	<380	ug/L	ALS
L1640384-1	MS-08	9-Jul-15	Hardness (as CaCO3)	223	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	pH	7.13	pH units	ALS
L1640384-1	MS-08	9-Jul-15	Total Suspended Solids	26.8	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Total Dissolved Solids	290	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Turbidity	21.9	NTU	ALS
L1640384-1	MS-08	9-Jul-15	Alkalinity, Total (as CaCO3)	18	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Ammonia, Total (as N)	0.364	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Chloride (Cl)	12.8	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Fluoride (F)	0.031	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Nitrate (as N)	1.94	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Total Kjeldahl Nitrogen	0.8	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Total Phosphorus	0.0062	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Sulfate (SO4)	207	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Dissolved Organic Carbon	1.2	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Total Organic Carbon	1	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Aluminum (Al)-Total	0.804	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Arsenic (As)-Total	0.00016	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Cadmium (Cd)-Total	0.000049	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Calcium (Ca)-Total	30.9	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Copper (Cu)-Total	0.002	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Iron (Fe)-Total	1.12	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Lead (Pb)-Total	0.00082	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Magnesium (Mg)-Total	41	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Manganese (Mn)-Total	3.06	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Mercury (Hg)-Total	<0.000010	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Molybdenum (Mo)-Total	0.000086	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Nickel (Ni)-Total	0.0103	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Potassium (K)-Total	1.22	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Selenium (Se)-Total	0.000708	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Sodium (Na)-Total	1.22	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Thallium (Tl)-Total	0.00004	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Uranium (U)-Total	0.000135	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Zinc (Zn)-Total	0.0051	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Aluminum (Al)-Dissolved	<0.0050	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Arsenic (As)-Dissolved	<0.00010	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Cadmium (Cd)-Dissolved	0.00005	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Calcium (Ca)-Dissolved	29	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Copper (Cu)-Dissolved	0.00069	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Iron (Fe)-Dissolved	0.053	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Lead (Pb)-Dissolved	<0.000050	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Magnesium (Mg)-Dissolved	36.5	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Manganese (Mn)-Dissolved	2.95	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Mercury (Hg)-Dissolved	<0.000010	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Molybdenum (Mo)-Dissolved	0.000075	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Nickel (Ni)-Dissolved	0.00794	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Potassium (K)-Dissolved	0.791	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Selenium (Se)-Dissolved	0.000669	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Sodium (Na)-Dissolved	1.13	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Thallium (Tl)-Dissolved	0.000018	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Uranium (U)-Dissolved	0.000032	mg/L	ALS
L1640384-1	MS-08	9-Jul-15	Zinc (Zn)-Dissolved	0.0019	mg/L	ALS
44651	MS-08	9-Jul-15	Acute Toxicity*	non-lethal	mortality %	Aquatox
Field	MS-08	9-Jul-15	pH (field)	7.74	pH units	Field
Field	MS-08	9-Jul-15	Temperature (field)	5.3	°C	Field
Field	MS-08	9-Jul-15	Turbidity (field)	26.4	NTU	Field
Field	MS-08	9-Jul-15	Specific Conductance (field)	551	(µs/cm)	Field
L1651471-1	MS-08	30-Jul-15	Hardness (as CaCO3)	678	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	pH	7.9	pH units	ALS
L1651471-1	MS-08	30-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Total Dissolved Solids	934	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Turbidity	3.93	NTU	ALS
L1651471-1	MS-08	30-Jul-15	Alkalinity, Total (as CaCO3)	45	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Ammonia, Total (as N)	0.383	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Chloride (Cl)	25.7	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Fluoride (F)	0.044	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Nitrate (as N)	5.52	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Total Kjeldahl Nitrogen	0.39	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Total Phosphorus	<0.030	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Sulfate (SO4)	585	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Dissolved Organic Carbon	<1.0	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Total Organic Carbon	<1.0	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Aluminum (Al)-Total	0.067	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Arsenic (As)-Total	<0.0010	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Cadmium (Cd)-Total	<0.000090	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Calcium (Ca)-Total	83.2	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Copper (Cu)-Total	<0.0010	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Iron (Fe)-Total	0.138	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Lead (Pb)-Total	<0.00050	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Magnesium (Mg)-Total	111	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Manganese (Mn)-Total	4.57	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Mercury (Hg)-Total	<0.000010	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Molybdenum (Mo)-Total	<0.00050	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Nickel (Ni)-Total	0.0126	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Potassium (K)-Total	1.9	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Selenium (Se)-Total	0.00209	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Sodium (Na)-Total	2.47	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Thallium (Tl)-Total	<0.00030	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Uranium (U)-Total	<0.0010	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Zinc (Zn)-Total	<0.0030	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Aluminum (Al)-Dissolved	<0.0050	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Arsenic (As)-Dissolved	<0.00010	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Cadmium (Cd)-Dissolved	0.000069	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Calcium (Ca)-Dissolved	84.6	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Copper (Cu)-Dissolved	0.00068	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Iron (Fe)-Dissolved	<0.010	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Lead (Pb)-Dissolved	<0.000050	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Magnesium (Mg)-Dissolved	113	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Manganese (Mn)-Dissolved	4.64	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Mercury (Hg)-Dissolved	<0.000010	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Molybdenum (Mo)-Dissolved	0.000423	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Nickel (Ni)-Dissolved	0.0115	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Potassium (K)-Dissolved	1.9	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Selenium (Se)-Dissolved	0.00189	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Sodium (Na)-Dissolved	2.38	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Thallium (Tl)-Dissolved	0.000036	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Uranium (U)-Dissolved	0.000673	mg/L	ALS
L1651471-1	MS-08	30-Jul-15	Zinc (Zn)-Dissolved	0.0015	mg/L	ALS
Field	MS-08	30-Jul-15	pH (field)	7.47	pH units	Field
Field	MS-08	30-Jul-15	Temperature (field)	11	°C	Field
Field	MS-08	30-Jul-15	Turbidity (field)	8.35	NTU	Field
Field	MS-08	30-Jul-15	Specific Conductance (field)	1081	(µs/cm)	Field
L1635675-1	MQ-C-A	1-Jul-15	Conductivity	162	uS/cm	ALS
L1635675-1	MQ-C-A	1-Jul-15	pH	8.13	pH units	ALS
L1635675-1	MQ-C-A	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1635675-1	MQ-C-A	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-1	MQ-C-A	1-Jul-15	N-NO3 (Nitrate)	0.043	mg/L	ALS
L1635675-1	MQ-C-A	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-3	MQ-C-A	8-Jul-15	pH	8.17	pH units	ALS
L1639329-3	MQ-C-A	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	Conductivity	266	uS/cm	ALS
L1651459-8	MQ-C-A	30-Jul-15	pH	8.37	pH units	ALS
L1651459-8	MQ-C-A	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	N-NO3 (Nitrate)	0.021	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	Conductivity	266	uS/cm	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	pH	8.36	pH units	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	N-NO3 (Nitrate)	0.025	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	Conductivity	624	uS/cm	ALS
L1635675-3	MQ-C-B	1-Jul-15	pH	7.85	pH units	ALS
L1635675-3	MQ-C-B	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	N-NH3 (Ammonia)	1.56	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	N-NO3 (Nitrate)	4.69	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
44549	MQ-C-B	1-Jul-15	Toxicity*	non-lethal	mortality %	Aquatox
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	Conductivity	642	uS/cm	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	pH	7.86	pH units	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	N-NH3 (Ammonia)	1.63	mg/L	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	N-NO3 (Nitrate)	4.72	mg/L	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-6	MQ-C-B	8-Jul-15	pH	7.93	pH units	ALS
L1639329-6	MQ-C-B	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-1	MQ-C-B	15-Jul-15	Conductivity	886	uS/cm	ALS
L1643829-1	MQ-C-B	15-Jul-15	pH	7.85	pH units	ALS
L1643829-1	MQ-C-B	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-1	MQ-C-B	15-Jul-15	N-NH3 (Ammonia)	1.29	mg/L	ALS
L1643829-1	MQ-C-B	15-Jul-15	N-NO3 (Nitrate)	5.41	mg/L	ALS
L1643829-1	MQ-C-B	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
44740	MQ-C-B	15-Jul-15	Toxicity*	non-lethal	mortality %	Aquatox
L1647517-1	MQ-C-B	22-Jul-15	pH	7.86	pH units	ALS
L1647517-1	MQ-C-B	22-Jul-15	Total Suspended Solids	3.6	mg/L	ALS
L1651459-9	MQ-C-B	30-Jul-15	Conductivity	952	uS/cm	ALS
L1651459-9	MQ-C-B	30-Jul-15	pH	8.13	pH units	ALS
L1651459-9	MQ-C-B	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-9	MQ-C-B	30-Jul-15	N-NH3 (Ammonia)	0.777	mg/L	ALS
L1651459-9	MQ-C-B	30-Jul-15	N-NO3 (Nitrate)	4.33	mg/L	ALS
L1651459-9	MQ-C-B	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
44858	MQ-C-B	30-Jul-15	Toxicity*	non-lethal	mortality %	Aquatox
L1635675-2	MQ-C-D	1-Jul-15	Conductivity	437	uS/cm	ALS
L1635675-2	MQ-C-D	1-Jul-15	pH	8.05	pH units	ALS
L1635675-2	MQ-C-D	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-2	MQ-C-D	1-Jul-15	N-NH3 (Ammonia)	0.108	mg/L	ALS
L1635675-2	MQ-C-D	1-Jul-15	N-NO3 (Nitrate)	0.599	mg/L	ALS
L1635675-2	MQ-C-D	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-4	MQ-C-D	8-Jul-15	pH	8.20	pH units	ALS
L1639329-4	MQ-C-D	8-Jul-15	Total Suspended Solids	3.6	mg/L	ALS
L1639329-5	MQ-C-D (Duplicate)	8-Jul-15	pH	8.18	pH units	ALS
L1639329-5	MQ-C-D (Duplicate)	8-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1643829-2	MQ-C-D	15-Jul-15	Conductivity	445	uS/cm	ALS
L1643829-2	MQ-C-D	15-Jul-15	pH	8.01	pH units	ALS
L1643829-2	MQ-C-D	15-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1643829-2	MQ-C-D	15-Jul-15	N-NH3 (Ammonia)	0.066	mg/L	ALS
L1643829-2	MQ-C-D	15-Jul-15	N-NO3 (Nitrate)	0.36	mg/L	ALS
L1643829-2	MQ-C-D	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647517-2	MQ-C-D	22-Jul-15	pH	8.59	pH units	ALS
L1647517-2	MQ-C-D	22-Jul-15	Total Suspended Solids	4	mg/L	ALS
L1651459-10	MQ-C-D	30-Jul-15	Conductivity	480	uS/cm	ALS
L1651459-10	MQ-C-D	30-Jul-15	pH	8.49	pH units	ALS
L1651459-10	MQ-C-D	30-Jul-15	Total Suspended Solids	3.3	mg/L	ALS
L1651459-10	MQ-C-D	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-10	MQ-C-D	30-Jul-15	N-NO3 (Nitrate)	0.225	mg/L	ALS
L1651459-10	MQ-C-D	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1643829-3	MQ-C-E	15-Jul-15	Conductivity	336	uS/cm	ALS
L1643829-3	MQ-C-E	15-Jul-15	pH	8.22	pH units	ALS
L1643829-3	MQ-C-E	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-3	MQ-C-E	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-3	MQ-C-E	15-Jul-15	N-NO3 (Nitrate)	2.06	mg/L	ALS
L1643829-3	MQ-C-E	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647517-3	MQ-C-E	22-Jul-15	pH	8.12	pH units	ALS
L1647517-3	MQ-C-E	22-Jul-15	Total Suspended Solids	89.6	mg/L	ALS
L1651459-11	MQ-C-E	30-Jul-15	Conductivity	385	uS/cm	ALS
L1651459-11	MQ-C-E	30-Jul-15	pH	8.27	pH units	ALS
L1651459-11	MQ-C-E	30-Jul-15	Total Suspended Solids	49.5	mg/L	ALS
L1651459-11	MQ-C-E	30-Jul-15	N-NH3 (Ammonia)	0.084	mg/L	ALS
L1651459-11	MQ-C-E	30-Jul-15	N-NO3 (Nitrate)	7.12	mg/L	ALS
L1651459-11	MQ-C-E	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
44859	MQ-C-E	30-Jul-15	Toxicity*	non-lethal	mortality %	Aquatox
L1635675-8	MS-C-A	1-Jul-15	Conductivity	156	uS/cm	ALS
L1635675-8	MS-C-A	1-Jul-15	pH	7.68	pH units	ALS
L1635675-8	MS-C-A	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-8	MS-C-A	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-8	MS-C-A	1-Jul-15	N-NO3 (Nitrate)	0.269	mg/L	ALS
L1635675-8	MS-C-A	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-8	MS-C-A	8-Jul-15	pH	7.83	pH units	ALS
L1639329-8	MS-C-A	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-4	MS-C-A	15-Jul-15	Conductivity	147	uS/cm	ALS
L1643829-4	MS-C-A	15-Jul-15	pH	7.85	pH units	ALS
L1643829-4	MS-C-A	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-4	MS-C-A	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-4	MS-C-A	15-Jul-15	N-NO3 (Nitrate)	0.161	mg/L	ALS
L1643829-4	MS-C-A	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647517-4	MS-C-A	22-Jul-15	pH	7.89	pH units	ALS
L1647517-4	MS-C-A	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-1	MS-C-A	30-Jul-15	Conductivity	195	uS/cm	ALS
L1651459-1	MS-C-A	30-Jul-15	pH	8.08	pH units	ALS
L1651459-1	MS-C-A	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-1	MS-C-A	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-1	MS-C-A	30-Jul-15	N-NO3 (Nitrate)	0.23	mg/L	ALS
L1651459-1	MS-C-A	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-9	MS-C-B	1-Jul-15	Conductivity	159	uS/cm	ALS
L1635675-9	MS-C-B	1-Jul-15	pH	7.7	pH units	ALS
L1635675-9	MS-C-B	1-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1635675-9	MS-C-B	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-9	MS-C-B	1-Jul-15	N-NO3 (Nitrate)	0.289	mg/L	ALS
L1635675-9	MS-C-B	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-9	MS-C-B	8-Jul-15	pH	7.76	pH units	ALS
L1639329-9	MS-C-B	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1639329-10	MS-C-B (Field Blank)	8-Jul-15	pH	6.13	pH units	ALS
L1639329-10	MS-C-B (Field Blank)	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-5	MS-C-B	15-Jul-15	Conductivity	154	uS/cm	ALS
L1643829-5	MS-C-B	15-Jul-15	pH	7.63	pH units	ALS
L1643829-5	MS-C-B	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-5	MS-C-B	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-5	MS-C-B	15-Jul-15	N-NO3 (Nitrate)	0.243	mg/L	ALS
L1643829-5	MS-C-B	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647517-5	MS-C-B	22-Jul-15	pH	7.78	pH units	ALS

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1647517-5	MS-C-B	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-2	MS-C-B	30-Jul-15	Conductivity	191	uS/cm	ALS
L1651459-2	MS-C-B	30-Jul-15	pH	8.11	pH units	ALS
L1651459-2	MS-C-B	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-2	MS-C-B	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-2	MS-C-B	30-Jul-15	N-NO3 (Nitrate)	0.243	mg/L	ALS
L1651459-2	MS-C-B	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1643829-7	MS-C-D	15-Jul-15	Conductivity	606	uS/cm	ALS
L1643829-7	MS-C-D	15-Jul-15	pH	8.58	pH units	ALS
L1643829-7	MS-C-D	15-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1643829-7	MS-C-D	15-Jul-15	N-NH3 (Ammonia)	0.07	mg/L	ALS
L1643829-7	MS-C-D	15-Jul-15	N-NO3 (Nitrate)	5.14	mg/L	ALS
L1643829-7	MS-C-D	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1651459-3	MS-C-D	30-Jul-15	Conductivity	735	uS/cm	ALS
L1651459-3	MS-C-D	30-Jul-15	pH	8.48	pH units	ALS
L1651459-3	MS-C-D	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-3	MS-C-D	30-Jul-15	N-NH3 (Ammonia)	0.072	mg/L	ALS
L1651459-3	MS-C-D	30-Jul-15	N-NO3 (Nitrate)	6.11	mg/L	ALS
L1651459-3	MS-C-D	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-5	MS-C-E	1-Jul-15	Conductivity	333	uS/cm	ALS
L1635675-5	MS-C-E	1-Jul-15	pH	8.27	pH units	ALS
L1635675-5	MS-C-E	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-5	MS-C-E	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-5	MS-C-E	1-Jul-15	N-NO3 (Nitrate)	0.201	mg/L	ALS
L1635675-5	MS-C-E	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-7	MS-C-E	8-Jul-15	pH	8.17	pH units	ALS
L1639329-7	MS-C-E	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-8	MS-C-E	15-Jul-15	Conductivity	489	uS/cm	ALS
L1643829-8	MS-C-E	15-Jul-15	pH	8.22	pH units	ALS
L1643829-8	MS-C-E	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-8	MS-C-E	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-8	MS-C-E	15-Jul-15	N-NO3 (Nitrate)	2.46	mg/L	ALS
L1643829-8	MS-C-E	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647517-6	MS-C-E	22-Jul-15	pH	8.21	pH units	ALS
L1647517-6	MS-C-E	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-4	MS-C-E	30-Jul-15	Conductivity	570	uS/cm	ALS
L1651459-4	MS-C-E	30-Jul-15	pH	8.37	pH units	ALS
L1651459-4	MS-C-E	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-4	MS-C-E	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-4	MS-C-E	30-Jul-15	N-NO3 (Nitrate)	2.71	mg/L	ALS
L1651459-4	MS-C-E	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-10	MS-C-F	1-Jul-15	Conductivity	177	uS/cm	ALS
L1635675-10	MS-C-F	1-Jul-15	pH	7.92	pH units	ALS
L1635675-10	MS-C-F	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-10	MS-C-F	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-10	MS-C-F	1-Jul-15	N-NO3 (Nitrate)	0.374	mg/L	ALS
L1635675-10	MS-C-F	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-11	MS-C-F	8-Jul-15	pH	7.81	pH units	ALS
L1639329-11	MS-C-F	8-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1643829-9	MS-C-F	15-Jul-15	Conductivity	147	uS/cm	ALS
L1643829-9	MS-C-F	15-Jul-15	pH	8.15	pH units	ALS
L1643829-9	MS-C-F	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-9	MS-C-F	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-9	MS-C-F	15-Jul-15	N-NO3 (Nitrate)	0.121	mg/L	ALS
L1643829-9	MS-C-F	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647517-7	MS-C-F	22-Jul-15	pH	8.21	pH units	ALS
L1647517-7	MS-C-F	22-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1651459-5	MS-C-F	30-Jul-15	Conductivity	226	uS/cm	ALS
L1651459-5	MS-C-F	30-Jul-15	pH	8.26	pH units	ALS
L1651459-5	MS-C-F	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-5	MS-C-F	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-5	MS-C-F	30-Jul-15	N-NO3 (Nitrate)	0.241	mg/L	ALS
L1651459-5	MS-C-F	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-6	MS-C-G	1-Jul-15	Conductivity	162	uS/cm	ALS
L1635675-6	MS-C-G	1-Jul-15	pH	8.27	pH units	ALS
L1635675-6	MS-C-G	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-6	MS-C-G	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-6	MS-C-G	1-Jul-15	N-NO3 (Nitrate)	0.051	mg/L	ALS
L1635675-6	MS-C-G	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	Conductivity	<3.0	uS/cm	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	pH	5.7	pH units	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-1	MS-C-G	8-Jul-15	pH	7.88	pH units	ALS
L1639329-1	MS-C-G	8-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	Conductivity	184	uS/cm	ALS
L1643829-10	MS-C-G	15-Jul-15	pH	7.6	pH units	ALS
L1643829-10	MS-C-G	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	N-NO3 (Nitrate)	0.126	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	Conductivity	184	uS/cm	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	pH	7.64	pH units	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	N-NO3 (Nitrate)	0.125	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1647517-8	MS-C-G	22-Jul-15	pH	7.78	pH units	ALS
L1647517-8	MS-C-G	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-6	MS-C-G	30-Jul-15	Conductivity	207	uS/cm	ALS
L1651459-6	MS-C-G	30-Jul-15	pH	8.08	pH units	ALS
L1651459-6	MS-C-G	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-6	MS-C-G	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-6	MS-C-G	30-Jul-15	N-NO3 (Nitrate)	0.127	mg/L	ALS
L1651459-6	MS-C-G	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-2	MS-C-H	8-Jul-15	pH	7.84	pH units	ALS
L1639329-2	MS-C-H	8-Jul-15	Total Suspended Solids	3.2	mg/L	ALS
L1647517-9	MS-C-H	22-Jul-15	pH	7.95	pH units	ALS
L1647517-9	MS-C-H	22-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-7	MS-C-H	30-Jul-15	Conductivity	266	uS/cm	ALS
L1651459-7	MS-C-H	30-Jul-15	pH	8.27	pH units	ALS
L1651459-7	MS-C-H	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-7	MS-C-H	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-7	MS-C-H	30-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1651459-7	MS-C-H	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1637519-1	MS-MRY-13A	6-Jul-15	pH	8.02	pH units	ALS
L1637519-1	MS-MRY-13A	6-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1637519-2	MS-MRY-13B	6-Jul-15	pH	8.30	pH units	ALS
L1637519-2	MS-MRY-13B	6-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS

Note: **Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)*
**Acute lethality to Daphnia magna (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14)*
Bold and yellow highlight indicate exceedance of Water Licence water quality criteria.
** Exceedances of Water Licence Criteria;*
The pH for MP-01A on July 13 was 9.87. This was a pre-discharge characterisation sample, no discharge to the receiving environment was performed for this facility in July 2015.
On July 28, The Total Oil & Grease for a pre-discharge characterization sample of MS-03 was 23.3 mg/L. The treatment process was developed utilizing sulphuric acid/polymers. No discharge to the receiving environment was performed for this facility in July 2015.

MILNE PORT						
L1656069-1	MP-01	12-Aug-15	pH	7.32	pH units	ALS
L1656069-1	MP-01	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656069-1	MP-01	12-Aug-15	N-NH3 (Ammonia)	0.132	mg/L	ALS
L1656069-1	MP-01	12-Aug-15	Total Kjeldahl Nitrogen	0.57	mg/L	ALS
L1656069-1	MP-01	12-Aug-15	Total Phosphorus	16.2	mg/L	ALS
L1656069-1	MP-01	12-Aug-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1656069-1	MP-01	12-Aug-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1656069-1	MP-01	12-Aug-15	Oil & Grease - Total	<4.0	mg/L	ALS
L1662986-1	MP-01	26-Aug-15	pH	7.63	pH units	ALS
L1662986-1	MP-01	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1662986-1	MP-01	26-Aug-15	N-NH3 (Ammonia)	0.142	mg/L	ALS
L1662986-1	MP-01	26-Aug-15	Total Kjeldahl Nitrogen	2.08	mg/L	ALS
L1662986-1	MP-01	26-Aug-15	Total Phosphorus	11.3	mg/L	ALS
L1662986-1	MP-01	26-Aug-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1662986-1	MP-01	26-Aug-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1662986-1	MP-01	26-Aug-15	Oil & Grease - Total	<6.0	mg/L	ALS
44921	MP-01A (pre-discharge)	4-Aug-15	Toxicity*	non-lethal	mg/L	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	pH	10.19*	pH units	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	Total Suspended Solids	90	mg/L	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	N-NH3 (Ammonia)	1.01	mg/L	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	Total Kjeldahl Nitrogen	23.7	mg/L	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	Total Phosphorus	2.67	mg/L	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	Faecal Coliforms	<10	CFU/100 mL	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	Biochemical Oxygen Demand	49	mg/L	ALS
L1662535-1	MP-01A-RUN3 (pre-discharge)	24-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1661677-1	MP-04	2-Aug-15	pH	8.32	pH units	ALS
L1661677-1	MP-04	2-Aug-15	Total Suspended Solids	4	mg/L	ALS
L1661677-1	MP-04	2-Aug-15	Total Lead	0.00025	mg/L	ALS
L1661677-1	MP-04	2-Aug-15	Oil & Grease Total	<2.0	mg/L	ALS
L1661677-1	MP-04	2-Aug-15	Benzene	<0.50	ug/L	ALS
L1661677-1	MP-04	2-Aug-15	Ethylbenzene	<0.50	ug/L	ALS
L1661677-1	MP-04	2-Aug-15	Toluene	<0.50	ug/L	ALS
L1661677-1	MP-04	2-Aug-15	F1 (C6-C10)	<100	ug/L	ALS
L1661677-1	MP-04	2-Aug-15	F2 (C10-C16)	220	ug/L	ALS
L1661677-1	MP-04	2-Aug-15	F3 (C16-C34)	420	ug/L	ALS
L1661677-1	MP-04	2-Aug-15	F4 (C34-C50)	<250	ug/L	ALS
L1661677-1	MP-04	2-Aug-15	Total Hydrocarbons (C6-C50)	640	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	pH	8.25	pH units	ALS
L1662540-1	MP-04	24-Aug-15	Total Suspended Solids	2.4	mg/L	ALS
L1662540-1	MP-04	24-Aug-15	Total Lead	0.00051	mg/L	ALS
L1662540-1	MP-04	24-Aug-15	Oil & Grease Total	<2.0	mg/L	ALS
L1662540-1	MP-04	24-Aug-15	Benzene	<0.50	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	Ethylbenzene	<0.50	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	Toluene	<0.50	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	F1 (C6-C10)	<100	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	F2 (C10-C16)	<100	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	F3 (C16-C34)	2080	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	F4 (C34-C50)	870	ug/L	ALS
L1662540-1	MP-04	24-Aug-15	Total Hydrocarbons (C6-C50)	2940	ug/L	ALS
L1653493-1	MP-Q1-01	4-Aug-15	pH	8.29	pH units	ALS
L1653493-1	MP-Q1-01	4-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-1	MP-Q1-01	10-Aug-15	Conductivity	368	uS/cm	ALS
L1656285-1	MP-Q1-01	10-Aug-15	pH	8.27	pH units	ALS
L1656285-1	MP-Q1-01	10-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-1	MP-Q1-01	10-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656285-1	MP-Q1-01	10-Aug-15	N-NO3 (Nitrate)	0.883	mg/L	ALS
L1656285-1	MP-Q1-01	10-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1659754-1	MP-Q1-01	17-Aug-15	pH	8.15	pH units	ALS
L1659754-1	MP-Q1-01	17-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1653493-2	MP-Q1-02	4-Aug-15	pH	8.28	pH units	ALS
L1653493-2	MP-Q1-02	4-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-2	MP-Q1-02	10-Aug-15	Conductivity	639	uS/cm	ALS
L1656285-2	MP-Q1-02	10-Aug-15	pH	8.26	pH units	ALS
L1656285-2	MP-Q1-02	10-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-2	MP-Q1-02	10-Aug-15	N-NH3 (Ammonia)	0.119	mg/L	ALS
L1656285-2	MP-Q1-02	10-Aug-15	N-NO3 (Nitrate)	17.3	mg/L	ALS
L1656285-2	MP-Q1-02	10-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1659754-2	MP-Q1-02	17-Aug-15	pH	8.05	pH units	ALS
L1659754-2	MP-Q1-02	17-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664518-1	MP-Q1-02	26-Aug-15	Conductivity	756	uS/cm	ALS
L1664518-1	MP-Q1-02	26-Aug-15	pH	7.62	pH units	ALS
L1664518-1	MP-Q1-02	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664518-1	MP-Q1-02	26-Aug-15	N-NH3 (Ammonia)	0.07	mg/L	ALS
L1664518-1	MP-Q1-02	26-Aug-15	N-NO3 (Nitrate)	15.4	mg/L	ALS
L1664518-1	MP-Q1-02	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
45124	MP-Q1-02	26-Aug-15	Toxicity*	non-lethal	mortality %	Aquatox
L1659754-5	MP-C-B	17-Aug-15	Conductivity	722	uS/cm	ALS
L1659754-5	MP-C-B	17-Aug-15	pH	8.16	pH units	ALS
L1659754-5	MP-C-B	17-Aug-15	Total Suspended Solids	5.2	mg/L	ALS
L1659754-5	MP-C-B	17-Aug-15	N-NH3 (Ammonia)	0.086	mg/L	ALS
L1659754-5	MP-C-B	17-Aug-15	N-NO3 (Nitrate)	1.61	mg/L	ALS
L1659754-5	MP-C-B	17-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1659754-4	MP-C-B01	17-Aug-15	Conductivity	582	uS/cm	ALS
L1659754-4	MP-C-B01	17-Aug-15	pH	8.24	pH units	ALS
L1659754-4	MP-C-B01	17-Aug-15	Total Suspended Solids	2	mg/L	ALS
L1659754-4	MP-C-B01	17-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1659754-4	MP-C-B01	17-Aug-15	N-NO3 (Nitrate)	0.802	mg/L	ALS
L1659754-4	MP-C-B01	17-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1653493-3	MP-C-H	4-Aug-15	pH	8.38	pH units	ALS
L1653493-3	MP-C-H	4-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-3	MP-C-H	10-Aug-15	Conductivity	283	uS/cm	ALS
L1656285-3	MP-C-H	10-Aug-15	pH	8.39	pH units	ALS
L1656285-3	MP-C-H	10-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-3	MP-C-H	10-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656285-3	MP-C-H	10-Aug-15	N-NO3 (Nitrate)	0.293	mg/L	ALS
L1656285-3	MP-C-H	10-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	Conductivity	284	uS/cm	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	pH	8.38	pH units	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	N-NO3 (Nitrate)	0.292	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1659754-3	MP-C-H	17-Aug-15	pH	8.22	pH units	ALS
L1659754-3	MP-C-H	17-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664518-2	MP-C-H	26-Aug-15	Conductivity	274	uS/cm	ALS
L1664518-2	MP-C-H	26-Aug-15	pH	8.27	pH units	ALS
L1664518-2	MP-C-H	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664518-2	MP-C-H	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664518-2	MP-C-H	26-Aug-15	N-NO3 (Nitrate)	0.188	mg/L	ALS
L1664518-2	MP-C-H	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	Conductivity	273	uS/cm	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	pH	8.3	pH units	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	N-NO3 (Nitrate)	0.189	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
MINE SITE						
L1656068-1	MS-01	12-Aug-15	pH	7.28	pH units	ALS
L1656068-1	MS-01	12-Aug-15	Total Suspended Solids	4.8	mg/L	ALS
L1656068-1	MS-01	12-Aug-15	N-NH3 (Ammonia)	0.367	mg/L	ALS
L1656068-1	MS-01	12-Aug-15	Total Kjeldahl Nitrogen	0.47	mg/L	ALS
L1656068-1	MS-01	12-Aug-15	Total Phosphorus	0.532	mg/L	ALS
L1656068-1	MS-01	12-Aug-15	Faecal Coliforms	3	CFU/100 mL	ALS
L1656068-1	MS-01	12-Aug-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1656068-1	MS-01	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1663839-1	MS-01	26-Aug-15	pH	7.23	mg/L	ALS
L1663839-1	MS-01	26-Aug-15	Total Suspended Solids	2	mg/L	ALS
L1663839-1	MS-01	26-Aug-15	N-NH3 (Ammonia)	0.221	mg/L	ALS
L1663839-1	MS-01	26-Aug-15	Total Kjeldahl Nitrogen	0.89	mg/L	ALS
L1663839-1	MS-01	26-Aug-15	Total Phosphorus	0.866	mg/L	ALS
L1663839-1	MS-01	26-Aug-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1663839-1	MS-01	26-Aug-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1663839-1	MS-01	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Hardness (as CaCO3)	780	mg/L	ALS

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1656268-1	MS-08	11-Aug-15	pH	7.77	pH units	ALS
L1656268-1	MS-08	11-Aug-15	Total Suspended Solids	2.4	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Total Dissolved Solids	1030	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Turbidity	4.38	NTU	ALS
L1656268-1	MS-08	11-Aug-15	Alkalinity, Total (as CaCO3)	44	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Ammonia, Total (as N)	0.472	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Chloride (Cl)	26.4	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Fluoride (F)	0.049	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Nitrate (as N)	4.92	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Total Kjeldahl Nitrogen	0.68	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Total Phosphorus	<0.030	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Sulfate (SO4)	668	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Dissolved Organic Carbon	<1.0	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Total Organic Carbon	<1.0	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Aluminum (Al)-Total	0.118	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Arsenic (As)-Total	<0.00010	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Cadmium (Cd)-Total	0.000141	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Calcium (Ca)-Total	84.1	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Copper (Cu)-Total	0.0011	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Iron (Fe)-Total	0.178	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Lead (Pb)-Total	0.00015	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Magnesium (Mg)-Total	135	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Manganese (Mn)-Total	7.53	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Mercury (Hg)-Total	<0.000010	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Molybdenum (Mo)-Total	<0.00050	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Nickel (Ni)-Total	0.0206	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Potassium (K)-Total	1.84	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Selenium (Se)-Total	0.00266	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Sodium (Na)-Total	2.62	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Thallium (Tl)-Total	0.000037	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Uranium (U)-Total	0.000685	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Zinc (Zn)-Total	0.0031	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Aluminum (Al)-Dissolved	<0.0050	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Arsenic (As)-Dissolved	<0.00010	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Cadmium (Cd)-Dissolved	0.00013	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Calcium (Ca)-Dissolved	84.7	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Copper (Cu)-Dissolved	0.00063	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Iron (Fe)-Dissolved	<0.010	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Lead (Pb)-Dissolved	<0.000050	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Magnesium (Mg)-Dissolved	138	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Manganese (Mn)-Dissolved	7.6	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Mercury (Hg)-Dissolved	<0.000010	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Molybdenum (Mo)-Dissolved	0.000158	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Nickel (Ni)-Dissolved	0.0192	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Potassium (K)-Dissolved	1.77	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Selenium (Se)-Dissolved	0.0025	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Sodium (Na)-Dissolved	2.55	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Thallium (Tl)-Dissolved	0.000033	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Uranium (U)-Dissolved	0.000638	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Zinc (Zn)-Dissolved	0.002	mg/L	ALS
L1656268-1	MS-08	11-Aug-15	Ra-226	0.016	Bq/L	ALS
44966	MS-08	11-Aug-15	Acute Toxicity*	non-lethal	mortality %	Aquatox
Field	MS-08	11-Aug-15	pH (field)	7.78	pH units	Field
Field	MS-08	11-Aug-15	Temperature (Field)	10.9	°C	Field
Field	MS-08	11-Aug-15	Turbidity (Field)	4	NTU	Field
Field	MS-08	11-Aug-15	Specific Conductance (Field)	173.4	(µs/cm)	Field
L1654086-1	MQ-C-A	6-Aug-15	pH	8.09	pH units	ALS
L1654086-1	MQ-C-A	6-Aug-15	Total Suspended Solids	2.8	mg/L	ALS
L1654086-2	MQ-C-A (Duplicate)	6-Aug-15	pH	8.15	pH units	ALS
L1654086-2	MQ-C-A (Duplicate)	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-1	MQ-C-A	12-Aug-15	Conductivity	292	uS/cm	ALS
L1656929-1	MQ-C-A	12-Aug-15	pH	8.14	pH units	ALS
L1656929-1	MQ-C-A	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-1	MQ-C-A	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-1	MQ-C-A	12-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1656929-1	MQ-C-A	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-1	MQ-C-A	19-Aug-15	pH	8.18	pH units	ALS
L1660606-1	MQ-C-A	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-3	MQ-C-A	26-Aug-15	Conductivity	316	uS/cm	ALS
L1664658-3	MQ-C-A	26-Aug-15	pH	8.38	pH units	ALS
L1664658-3	MQ-C-A	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-3	MQ-C-A	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-3	MQ-C-A	26-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1664658-3	MQ-C-A	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-3	MQ-C-B	6-Aug-15	pH	8.11	pH units	ALS
L1654086-3	MQ-C-B	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-3	MQ-C-B	12-Aug-15	Conductivity	641	uS/cm	ALS
L1656929-3	MQ-C-B	12-Aug-15	pH	8.09	pH units	ALS
L1656929-3	MQ-C-B	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-3	MQ-C-B	12-Aug-15	N-NH3 (Ammonia)	0.754	mg/L	ALS
L1656929-3	MQ-C-B	12-Aug-15	N-NO3 (Nitrate)	4.44	mg/L	ALS
L1656929-3	MQ-C-B	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	Conductivity	<3.0	uS/cm	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	pH	6.15	pH units	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-3	MQ-C-B	19-Aug-15	pH	8.1	pH units	ALS
L1660606-3	MQ-C-B	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
45065	MQ-C-B	19-Aug-15	*Toxicity**	non-lethal	mortality %	Aquatox
L1660606-13	MQ-C-B (Duplicate)	19-Aug-15	pH	8.13	pH units	ALS
L1660606-13	MQ-C-B (Duplicate)	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-4	MQ-C-B	26-Aug-15	Conductivity	545	uS/cm	ALS
L1664658-4	MQ-C-B	26-Aug-15	pH	8.33	pH units	ALS
L1664658-4	MQ-C-B	26-Aug-15	Total Suspended Solids	2.5	mg/L	ALS
L1664658-4	MQ-C-B	26-Aug-15	N-NH3 (Ammonia)	0.561	mg/L	ALS
L1664658-4	MQ-C-B	26-Aug-15	N-NO3 (Nitrate)	3.39	mg/L	ALS
L1664658-4	MQ-C-B	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	Conductivity	545	uS/cm	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	pH	8.35	pH units	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	N-NH3 (Ammonia)	0.594	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	N-NO3 (Nitrate)	3.4	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-4	MQ-C-D	6-Aug-15	pH	8.2	pH units	ALS
L1654086-4	MQ-C-D	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-4	MQ-C-D	12-Aug-15	Conductivity	498	uS/cm	ALS
L1656929-4	MQ-C-D	12-Aug-15	pH	8.29	pH units	ALS
L1656929-4	MQ-C-D	12-Aug-15	Total Suspended Solids	6.4	mg/L	ALS
L1656929-4	MQ-C-D	12-Aug-15	N-NH3 (Ammonia)	0.141	mg/L	ALS
L1656929-4	MQ-C-D	12-Aug-15	N-NO3 (Nitrate)	1.04	mg/L	ALS
L1656929-4	MQ-C-D	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-4	MQ-C-D	19-Aug-15	pH	8.22	pH units	ALS
L1660606-4	MQ-C-D	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-6	MQ-C-D	26-Aug-15	Conductivity	495	uS/cm	ALS
L1664658-6	MQ-C-D	26-Aug-15	pH	8.21	pH units	ALS
L1664658-6	MQ-C-D	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-6	MQ-C-D	26-Aug-15	N-NH3 (Ammonia)	0.203	mg/L	ALS
L1664658-6	MQ-C-D	26-Aug-15	N-NO3 (Nitrate)	1.08	mg/L	ALS
L1664658-6	MQ-C-D	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656929-13	MQ-C-E	12-Aug-15	Conductivity	264	uS/cm	ALS
L1656929-13	MQ-C-E	12-Aug-15	pH	8.03	pH units	ALS
L1656929-13	MQ-C-E	12-Aug-15	Total Suspended Solids	13.6	mg/L	ALS
L1656929-13	MQ-C-E	12-Aug-15	N-NH3 (Ammonia)	0.174	mg/L	ALS
L1656929-13	MQ-C-E	12-Aug-15	N-NO3 (Nitrate)	3.77	mg/L	ALS
L1656929-13	MQ-C-E	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-2	MQ-C-E	19-Aug-15	pH	8	pH units	ALS

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1660606-2	MQ-C-E	19-Aug-15	Total Suspended Solids	10	mg/L	ALS
45064	MQ-C-E	19-Aug-15	*Toxicity**	non-lethal	mortality %	Aquatox
L1664658-13	MQ-C-E	26-Aug-15	Conductivity	306	uS/cm	ALS
L1664658-13	MQ-C-E	26-Aug-15	pH	8.23	pH units	ALS
L1664658-13	MQ-C-E	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-13	MQ-C-E	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-13	MQ-C-E	26-Aug-15	N-NO3 (Nitrate)	3.24	mg/L	ALS
L1664658-13	MQ-C-E	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-5	MS-C-A	6-Aug-15	pH	7.83	pH units	ALS
L1654086-5	MS-C-A	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-5	MS-C-A	12-Aug-15	Conductivity	218	uS/cm	ALS
L1656929-5	MS-C-A	12-Aug-15	pH	7.97	pH units	ALS
L1656929-5	MS-C-A	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-5	MS-C-A	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-5	MS-C-A	12-Aug-15	N-NO3 (Nitrate)	0.333	mg/L	ALS
L1656929-5	MS-C-A	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	Conductivity	<3.0	uS/cm	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	pH	5.78	pH units	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-5	MS-C-A	19-Aug-15	pH	7.92	pH units	ALS
L1660606-5	MS-C-A	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-2	MS-C-A	26-Aug-15	Conductivity	222	uS/cm	ALS
L1664658-2	MS-C-A	26-Aug-15	pH	8.18	pH units	ALS
L1664658-2	MS-C-A	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-2	MS-C-A	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-2	MS-C-A	26-Aug-15	N-NO3 (Nitrate)	0.296	mg/L	ALS
L1664658-2	MS-C-A	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-6	MS-C-B	6-Aug-15	pH	7.77	pH units	ALS
L1654086-6	MS-C-B	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-6	MS-C-B	12-Aug-15	Conductivity	217	uS/cm	ALS
L1656929-6	MS-C-B	12-Aug-15	pH	7.92	pH units	ALS
L1656929-6	MS-C-B	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-6	MS-C-B	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-6	MS-C-B	12-Aug-15	N-NO3 (Nitrate)	0.353	mg/L	ALS
L1656929-6	MS-C-B	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-6	MS-C-B	19-Aug-15	pH	7.86	pH units	ALS
L1660606-6	MS-C-B	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-10	MS-C-B	26-Aug-15	Conductivity	230	uS/cm	ALS
L1664658-10	MS-C-B	26-Aug-15	pH	8.18	pH units	ALS
L1664658-10	MS-C-B	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-10	MS-C-B	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-10	MS-C-B	26-Aug-15	N-NO3 (Nitrate)	0.575	mg/L	ALS
L1664658-10	MS-C-B	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-7	MS-C-C	6-Aug-15	pH	7.98	pH units	ALS
L1654086-7	MS-C-C	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-7	MS-C-C	12-Aug-15	Conductivity	729	uS/cm	ALS
L1656929-7	MS-C-C	12-Aug-15	pH	8.05	pH units	ALS
L1656929-7	MS-C-C	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-7	MS-C-C	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-7	MS-C-C	12-Aug-15	N-NO3 (Nitrate)	6.47	mg/L	ALS
L1656929-7	MS-C-C	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-7	MS-C-C	19-Aug-15	pH	7.95	pH units	ALS
L1660606-7	MS-C-C	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1654086-8	MS-C-D	6-Aug-15	pH	8.36	pH units	ALS
L1654086-8	MS-C-D	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-8	MS-C-D	12-Aug-15	Conductivity	722	uS/cm	ALS
L1656929-8	MS-C-D	12-Aug-15	pH	8.34	pH units	ALS
L1656929-8	MS-C-D	12-Aug-15	Total Suspended Solids	2	mg/L	ALS
L1656929-8	MS-C-D	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-8	MS-C-D	12-Aug-15	N-NO3 (Nitrate)	6.92	mg/L	ALS
L1656929-8	MS-C-D	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-8	MS-C-D	19-Aug-15	pH	8.36	pH units	ALS
L1660606-8	MS-C-D	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-9	MS-C-D	26-Aug-15	Conductivity	732	uS/cm	ALS
L1664658-9	MS-C-D	26-Aug-15	pH	8.41	pH units	ALS
L1664658-9	MS-C-D	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-9	MS-C-D	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-9	MS-C-D	26-Aug-15	N-NO3 (Nitrate)	7.29	mg/L	ALS
L1664658-9	MS-C-D	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-9	MS-C-E	6-Aug-15	pH	8.13	pH units	ALS
L1654086-9	MS-C-E	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-9	MS-C-E	12-Aug-15	Conductivity	531	uS/cm	ALS
L1656929-9	MS-C-E	12-Aug-15	pH	8.16	pH units	ALS
L1656929-9	MS-C-E	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-9	MS-C-E	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-9	MS-C-E	12-Aug-15	N-NO3 (Nitrate)	2.940	mg/L	ALS
L1656929-9	MS-C-E	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-9	MS-C-E	19-Aug-15	pH	8.16	pH units	ALS
L1660606-9	MS-C-E	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-11	MS-C-E	26-Aug-15	Conductivity	543	uS/cm	ALS
L1664658-11	MS-C-E	26-Aug-15	pH	8.32	pH units	ALS
L1664658-11	MS-C-E	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-11	MS-C-E	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-11	MS-C-E	26-Aug-15	N-NO3 (Nitrate)	3.37	mg/L	ALS
L1664658-11	MS-C-E	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-10	MS-C-F	6-Aug-15	pH	7.96	pH units	ALS
L1654086-10	MS-C-F	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-10	MS-C-F	12-Aug-15	Conductivity	247	uS/cm	ALS
L1656929-10	MS-C-F	12-Aug-15	pH	8.08	pH units	ALS
L1656929-10	MS-C-F	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-10	MS-C-F	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-10	MS-C-F	12-Aug-15	N-NO3 (Nitrate)	0.426	mg/L	ALS
L1656929-10	MS-C-F	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	Conductivity	246	uS/cm	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	pH	8.02	pH units	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	N-NO3 (Nitrate)	0.429	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-10	MS-C-F	19-Aug-15	pH	8.01	pH units	ALS
L1660606-10	MS-C-F	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-12	MS-C-F	26-Aug-15	Conductivity	246	uS/cm	ALS
L1664658-12	MS-C-F	26-Aug-15	pH	8.25	pH units	ALS
L1664658-12	MS-C-F	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-12	MS-C-F	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-12	MS-C-F	26-Aug-15	N-NO3 (Nitrate)	0.315	mg/L	ALS
L1664658-12	MS-C-F	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-11	MS-C-G	6-Aug-15	pH	7.79	pH units	ALS
L1654086-11	MS-C-G	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-11	MS-C-G	12-Aug-15	Conductivity	199	uS/cm	ALS
L1656929-11	MS-C-G	12-Aug-15	pH	7.85	pH units	ALS
L1656929-11	MS-C-G	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-11	MS-C-G	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-11	MS-C-G	12-Aug-15	N-NO3 (Nitrate)	0.087	mg/L	ALS
L1656929-11	MS-C-G	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-11	MS-C-G	19-Aug-15	pH	7.83	pH units	ALS
L1660606-11	MS-C-G	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-7	MS-C-G	26-Aug-15	Conductivity	210	uS/cm	ALS
L1664658-7	MS-C-G	26-Aug-15	pH	8.12	pH units	ALS
L1664658-7	MS-C-G	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-7	MS-C-G	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-7	MS-C-G	26-Aug-15	N-NO3 (Nitrate)	0.196	mg/L	ALS
L1664658-7	MS-C-G	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1654086-12	MS-C-H	6-Aug-15	pH	8.14	pH units	ALS
L1654086-12	MS-C-H	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-12	MS-C-H	12-Aug-15	Conductivity	257	uS/cm	ALS
L1656929-12	MS-C-H	12-Aug-15	pH	8.22	pH units	ALS
L1656929-12	MS-C-H	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-12	MS-C-H	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-12	MS-C-H	12-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1656929-12	MS-C-H	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1660606-12	MS-C-H	19-Aug-15	pH	8.14	pH units	ALS
L1660606-12	MS-C-H	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-8	MS-C-H	26-Aug-15	Conductivity	252	uS/cm	ALS
L1664658-8	MS-C-H	26-Aug-15	pH	8.34	pH units	ALS
L1664658-8	MS-C-H	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-8	MS-C-H	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664658-8	MS-C-H	26-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1664658-8	MS-C-H	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1654086-13	MS-MRY-13A	6-Aug-15	pH	7.97	pH units	ALS
L1654086-13	MS-MRY-13A	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1654086-14	MS-MRY-13B	6-Aug-15	pH	8.22	pH units	ALS
L1654086-14	MS-MRY-13B	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Conductivity	493	umhos/cm	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	pH	8.4	pH units	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Total Suspended Solids	3.2	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Total Dissolved Solids	256	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Alkalinity, Total (as CaCO3)	180.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Dissolved Organic Carbon	3.8	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Total Organic Carbon	3.7	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Mercury (Hg)-Total	<0.000010	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Aluminum (Al)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Antimony (Sb)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Arsenic (As)-Total	<0.00010	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Barium (Ba)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Cadmium (Cd)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Chromium (Cr)-Total	<0.00050	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Cobalt (Co)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Copper (Cu)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Iron (Fe)-Total	<0.030	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Lead (Pb)-Total	<0.000050	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Lithium (Li)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Manganese (Mn)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Molybdenum (Mo)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Nickel (Ni)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Selenium (Se)-Total	<0.0010	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Strontium (Sr)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Thallium (Tl)-Total	<0.00010	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Tin (Sn)-Total	<0.00010	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Titanium (Ti)-Total	<0.010	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Uranium (U)-Total	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Vanadium (V)-Total	<0.0010	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Zinc (Zn)-Total	<0.0030	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Oil and Grease, Total	<2.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Phenols (4AAP)	0.0	mg/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	F1 (C6-C10)	<100	ug/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	F2 (C10-C16)	<100	ug/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	F3 (C16-C34)	<250	ug/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	F4 (C34-C50)	<250	ug/L	ALS
L1656280-1	MS-MRY-13B	10-Aug-15	Total Hydrocarbons (C6-C50)	<380	ug/L	ALS
L1660606-14	MS-MRY-13B	19-Aug-15	pH	8.31	pH units	ALS
L1660606-14	MS-MRY-13B	19-Aug-15	Total Suspended Solids	3.2	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Conductivity	503	umhos/cm	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	pH	8.18	pH units	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Total Suspended Solids	2.3	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Total Dissolved Solids	285	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Alkalinity, Total (as CaCO3)	175.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Dissolved Organic Carbon	5.5	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Total Organic Carbon	4.7	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Mercury (Hg)-Total	<0.000010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Aluminum (Al)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Antimony (Sb)-Total	<0.00010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Arsenic (As)-Total	<0.00010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Barium (Ba)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Cadmium (Cd)-Total	<0.000010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Chromium (Cr)-Total	<0.00050	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Cobalt (Co)-Total	<0.00010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Copper (Cu)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Iron (Fe)-Total	<0.030	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Lead (Pb)-Total	<0.000050	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Lithium (Li)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Manganese (Mn)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Molybdenum (Mo)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Nickel (Ni)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Selenium (Se)-Total	<0.0010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Strontium (Sr)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Thallium (Tl)-Total	<0.00010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Tin (Sn)-Total	<0.00010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Titanium (Ti)-Total	<0.010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Uranium (U)-Total	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Vanadium (V)-Total	<0.0010	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Zinc (Zn)-Total	<0.0030	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Oil and Grease, Total	<2.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Phenols (4AAP)	0.0	mg/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	F1 (C6-C10)	<100	ug/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	F2 (C10-C16)	<100	ug/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	F3 (C16-C34)	<250	ug/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	F4 (C34-C50)	<250	ug/L	ALS
L1664171-1	MS-MRY-13B	24-Aug-15	Total Hydrocarbons (C6-C50)	<380	ug/L	ALS

Note: **Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)*
**Acute lethality to Daphnia magna (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14)*

Bold and yellow highlight indicate exceedance of Water Licence water quality criteria.
** Exceedances of Water Licence Criteria;*
The pH for MP-01A-RUN3 on August 24 was 10.19. This was a pre-discharge characterisation sample. The pH was subsequently adjusted during the treatment process resulting in pH values during discharge ranging from 6.54 to 8.18, as determined by field sample analysis.

MILNE PORT						
L1671369-1	MP-01	10-Sep-15	pH	7.74	pH units	ALS
L1671369-1	MP-01	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671369-1	MP-01	10-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1671369-1	MP-01	10-Sep-15	Total Kjeldahl Nitrogen	0.84	mg/L	ALS
L1671369-1	MP-01	10-Sep-15	Total Phosphorus	11.8	mg/L	ALS
L1671369-1	MP-01	10-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1671369-1	MP-01	10-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1671369-1	MP-01	10-Sep-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1676967-1	MP-01	23-Sep-15	pH	7.52	pH units	ALS
L1676967-1	MP-01	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676967-1	MP-01	23-Sep-15	N-NH3 (Ammonia)	0.09	mg/L	ALS
L1676967-1	MP-01	23-Sep-15	Total Kjeldahl Nitrogen	1.23	mg/L	ALS
L1676967-1	MP-01	23-Sep-15	Total Phosphorus	14.9	mg/L	ALS
L1676967-1	MP-01	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676967-1	MP-01	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676967-1	MP-01	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	pH	6.08	pH units	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	N-NH3 (Ammonia)	0.135	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS

Baffinland

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	pH	6.01	pH units	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668085-1	MP-Q1-02	2-Sep-15	pH	8.11	pH units	ALS
L1668085-1	MP-Q1-02	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668085-2	MP-Q1-02 (Duplicate)	2-Sep-15	pH	8.15	pH units	ALS
L1668085-2	MP-Q1-02 (Duplicate)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671368-1	MP-Q1-02	9-Sep-15	Conductivity	1090	uS/cm	ALS
L1671368-1	MP-Q1-02	9-Sep-15	pH	8.13	pH units	ALS
L1671368-1	MP-Q1-02	9-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671368-1	MP-Q1-02	9-Sep-15	N-NH3 (Ammonia)	0.134	mg/L	ALS
L1671368-1	MP-Q1-02	9-Sep-15	N-NO3 (Nitrate)	17	mg/L	ALS
L1671368-1	MP-Q1-02	9-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668085-3	MP-C-H	2-Sep-15	pH	8.32	pH units	ALS
L1668085-3	MP-C-H	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671368-2	MP-C-H	9-Sep-15	Conductivity	329	uS/cm	ALS
L1671368-2	MP-C-H	9-Sep-15	pH	8.34	pH units	ALS
L1671368-2	MP-C-H	9-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671368-2	MP-C-H	9-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1671368-2	MP-C-H	9-Sep-15	N-NO3 (Nitrate)	0.287	mg/L	ALS
L1671368-2	MP-C-H	9-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	Conductivity	329	uS/cm	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	pH	8.35	pH units	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	N-NO3 (Nitrate)	0.286	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
MINE SITE						
L1671357-1	MS-01	10-Sep-15	pH	7.68	pH units	ALS
L1671357-1	MS-01	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671357-1	MS-01	10-Sep-15	N-NH3 (Ammonia)	0.193	mg/L	ALS
L1671357-1	MS-01	10-Sep-15	Total Kjeldahl Nitrogen	1.01	mg/L	ALS
L1671357-1	MS-01	10-Sep-15	Total Phosphorus	0.364	mg/L	ALS
L1671357-1	MS-01	10-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1671357-1	MS-01	10-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1671357-1	MS-01	10-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1676964-1	MS-01	23-Sep-15	pH	7.02	mg/L	ALS
L1676964-1	MS-01	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676964-1	MS-01	23-Sep-15	N-NH3 (Ammonia)	0.126	mg/L	ALS
L1676964-1	MS-01	23-Sep-15	Total Kjeldahl Nitrogen	0.53	mg/L	ALS
L1676964-1	MS-01	23-Sep-15	Total Phosphorus	0.282	mg/L	ALS
L1676964-1	MS-01	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676964-1	MS-01	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676964-1	MS-01	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	pH	6.25	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	pH	6.01	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-3	MQ-C-A	2-Sep-15	Conductivity	328	uS/cm	ALS
L1668093-3	MQ-C-A	2-Sep-15	pH	8.38	pH units	ALS
L1668093-3	MQ-C-A	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-3	MQ-C-A	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-3	MQ-C-A	2-Sep-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1668093-3	MQ-C-A	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-8	MQ-C-A	10-Sep-15	pH	8.24	pH units	ALS
L1671149-8	MQ-C-A	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-2	MQ-C-B	2-Sep-15	Conductivity	695	uS/cm	ALS
L1668093-2	MQ-C-B	2-Sep-15	pH	8.25	pH units	ALS
L1668093-2	MQ-C-B	2-Sep-15	Total Suspended Solids	2.5	mg/L	ALS
L1668093-2	MQ-C-B	2-Sep-15	N-NH3 (Ammonia)	0.932	mg/L	ALS
L1668093-2	MQ-C-B	2-Sep-15	N-NO3 (Nitrate)	5.88	mg/L	ALS
L1668093-2	MQ-C-B	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
45192	MQ-C-B	2-Sep-15	Toxicity*	non-lethal	mortality %	Aquatox
L1671149-9	MQ-C-B	10-Sep-15	pH	8.09	pH units	ALS
L1671149-9	MQ-C-B	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-15	MQ-C-D	2-Sep-15	Conductivity	497	uS/cm	ALS
L1668093-15	MQ-C-D	2-Sep-15	pH	8.39	pH units	ALS
L1668093-15	MQ-C-D	2-Sep-15	Total Suspended Solids	2.3	mg/L	ALS
L1668093-15	MQ-C-D	2-Sep-15	N-NH3 (Ammonia)	0.182	mg/L	ALS
L1668093-15	MQ-C-D	2-Sep-15	N-NO3 (Nitrate)	1.19	mg/L	ALS
L1668093-15	MQ-C-D	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-10	MQ-C-D	10-Sep-15	pH	8.13	pH units	ALS
L1671149-10	MQ-C-D	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671149-13	MQ-C-D	10-Sep-15	pH	8.14	pH units	ALS
L1671149-13	MQ-C-D	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-8	MQ-C-E	2-Sep-15	Conductivity	340	uS/cm	ALS
L1668093-8	MQ-C-E	2-Sep-15	pH	8.19	pH units	ALS
L1668093-8	MQ-C-E	2-Sep-15	Total Suspended Solids	8	mg/L	ALS
L1668093-8	MQ-C-E	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-8	MQ-C-E	2-Sep-15	N-NO3 (Nitrate)	3.57	mg/L	ALS
L1668093-8	MQ-C-E	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
45191	MQ-C-E	2-Sep-15	Toxicity*	non-lethal	mortality %	Aquatox
L1671149-11	MQ-C-E	10-Sep-15	pH	8.23	pH units	ALS
L1671149-11	MQ-C-E	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-14	MS-C-A	2-Sep-15	Conductivity	227	uS/cm	ALS
L1668093-14	MS-C-A	2-Sep-15	pH	8.18	pH units	ALS
L1668093-14	MS-C-A	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-14	MS-C-A	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-14	MS-C-A	2-Sep-15	N-NO3 (Nitrate)	0.315	mg/L	ALS
L1668093-14	MS-C-A	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-1	MS-C-A	10-Sep-15	pH	7.91	pH units	ALS
L1671149-1	MS-C-A	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-1	MS-C-B	2-Sep-15	Conductivity	225	uS/cm	ALS
L1668093-1	MS-C-B	2-Sep-15	pH	8.16	pH units	ALS
L1668093-1	MS-C-B	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-1	MS-C-B	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-1	MS-C-B	2-Sep-15	N-NO3 (Nitrate)	0.330	mg/L	ALS
L1668093-1	MS-C-B	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-2	MS-C-B	10-Sep-15	pH	7.77	pH units	ALS
L1671149-2	MS-C-B	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671149-3	MS-C-C	10-Sep-15	pH	7.83	pH units	ALS
L1671149-3	MS-C-C	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-11	MS-C-D	2-Sep-15	Conductivity	742	uS/cm	ALS
L1668093-11	MS-C-D	2-Sep-15	pH	8.4	pH units	ALS
L1668093-11	MS-C-D	2-Sep-15	Total Suspended Solids	3.5	mg/L	ALS
L1668093-11	MS-C-D	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-11	MS-C-D	2-Sep-15	N-NO3 (Nitrate)	8.01	mg/L	ALS
L1668093-11	MS-C-D	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	Conductivity	<3.0	uS/cm	ALS

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	pH	7.01	pH units	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-4	MS-C-D	10-Sep-15	pH	8.32	pH units	ALS
L1671149-4	MS-C-D	10-Sep-15	Total Suspended Solids	2.4	mg/L	ALS
L1668093-6	MS-C-E	2-Sep-15	Conductivity	578	uS/cm	ALS
L1668093-6	MS-C-E	2-Sep-15	pH	8.3	pH units	ALS
L1668093-6	MS-C-E	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-6	MS-C-E	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-6	MS-C-E	2-Sep-15	N-NO3 (Nitrate)	4.010	mg/L	ALS
L1668093-6	MS-C-E	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	Conductivity	<3.0	uS/cm	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	pH	7.09	pH units	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-5	MS-C-E	10-Sep-15	pH	7.99	pH units	ALS
L1671149-5	MS-C-E	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-10	MS-C-F	2-Sep-15	Conductivity	245	uS/cm	ALS
L1668093-10	MS-C-F	2-Sep-15	pH	8.23	pH units	ALS
L1668093-10	MS-C-F	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-10	MS-C-F	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-10	MS-C-F	2-Sep-15	N-NO3 (Nitrate)	0.292	mg/L	ALS
L1668093-10	MS-C-F	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-6	MS-C-F	10-Sep-15	pH	8.16	pH units	ALS
L1671149-6	MS-C-F	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	Conductivity	215	uS/cm	ALS
L1668093-4	MS-C-G	2-Sep-15	pH	8.16	pH units	ALS
L1668093-4	MS-C-G	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	N-NO3 (Nitrate)	0.280	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	Conductivity	215	uS/cm	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	pH	8.15	pH units	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	N-NO3 (Nitrate)	0.281	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671149-7	MS-C-G	10-Sep-15	pH	7.77	pH units	ALS
L1671149-7	MS-C-G	10-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-16	MS-C-H	2-Sep-15	Conductivity	254	uS/cm	ALS
L1668093-16	MS-C-H	2-Sep-15	pH	8.36	pH units	ALS
L1668093-16	MS-C-H	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-16	MS-C-H	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-16	MS-C-H	2-Sep-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1668093-16	MS-C-H	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Conductivity	509	umhos/cm	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	pH	8.37	pH units	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Total Suspended Solids	2.7	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Total Dissolved Solids	241	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Alkalinity, Total (as CaCO3)	173	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Dissolved Organic Carbon	4.1	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Total Organic Carbon	3.8	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Mercury (Hg)-Total	<0.000010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Aluminum (Al)-Total	0.0126	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Antimony (Sb)-Total	<0.00010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Arsenic (As)-Total	0.0001	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Barium (Ba)-Total	0.0274	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Cadmium (Cd)-Total	<0.000010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Chromium (Cr)-Total	<0.00050	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Cobalt (Co)-Total	<0.00010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Copper (Cu)-Total	0.00127	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Iron (Fe)-Total	<0.030	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Lead (Pb)-Total	<0.000050	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Lithium (Li)-Total	0.0016	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Manganese (Mn)-Total	0.000817	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Molybdenum (Mo)-Total	0.000171	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Nickel (Ni)-Total	0.00665	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Selenium (Se)-Total	<0.0010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Strontium (Sr)-Total	0.0214	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Thallium (Tl)-Total	<0.00010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Tin (Sn)-Total	<0.00010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Titanium (Ti)-Total	<0.010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Uranium (U)-Total	0.0007	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Vanadium (V)-Total	<0.0010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Zinc (Zn)-Total	<0.0030	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Oil and Grease, Total	<2.0	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Phenols (4AAP)	<0.0010	mg/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	F1 (C6-C10)	<100	ug/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	F2 (C10-C16)	<100	ug/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	F3 (C16-C34)	<250	ug/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	F4 (C34-C50)	<250	ug/L	ALS
L1668093-13	MS-MRY-13B	2-Sep-15	Total Hydrocarbons (C6-C50)	<380	ug/L	ALS

Note: **Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)*
**Acute lethality to Daphnia magna (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14)*

MILNE PORT						
L1684211-1	MP-01	7-Oct-15	pH	7.42	pH units	ALS
L1684211-1	MP-01	7-Oct-15	Total Suspended Solids	<2.0	mg/L	ALS
L1684211-1	MP-01	7-Oct-15	N-NH3 (Ammonia)	0.068	mg/L	ALS
L1684211-1	MP-01	7-Oct-15	Total Kjeldahl Nitrogen	0.83	mg/L	ALS
L1684211-1	MP-01	7-Oct-15	Total Phosphorus	15.4	mg/L	ALS
L1684211-1	MP-01	7-Oct-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1684211-1	MP-01	7-Oct-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1684211-1	MP-01	7-Oct-15	Oil & Grease - Total	<6.0	mg/L	ALS
MINE SITE						
L1684193-1	MS-01	7-Oct-15	pH	7.37	pH units	ALS
L1684193-1	MS-01	7-Oct-15	Total Suspended Solids	<2.0	mg/L	ALS
L1684193-1	MS-01	7-Oct-15	N-NH3 (Ammonia)	0.256	mg/L	ALS
L1684193-1	MS-01	7-Oct-15	Total Kjeldahl Nitrogen	0.47	mg/L	ALS
L1684193-1	MS-01	7-Oct-15	Total Phosphorus	0.383	mg/L	ALS
L1684193-1	MS-01	7-Oct-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1684193-1	MS-01	7-Oct-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1684193-1	MS-01	7-Oct-15	Oil & Grease - Total	<2.0	mg/L	ALS
MILNE PORT						
L1697167-1	MP-01	3-Nov-15	pH	7.67	pH units	ALS
L1697167-1	MP-01	3-Nov-15	Total Suspended Solids	2	mg/L	ALS
L1697167-1	MP-01	3-Nov-15	N-NH3 (Ammonia)	0.171	mg/L	ALS
L1697167-1	MP-01	3-Nov-15	Total Kjeldahl Nitrogen	1.38	mg/L	ALS
L1697167-1	MP-01	3-Nov-15	Total Phosphorus	13.4	mg/L	ALS
L1697167-1	MP-01	3-Nov-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1697167-1	MP-01	3-Nov-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1697167-1	MP-01	3-Nov-15	Oil & Grease - Total	<2.0	mg/L	ALS
45866	MP-01	3-Nov-15	Toxicity*	non-lethal	mortality %	Aquatox
MINE SITE						
L1697161-1	MS-01	3-Nov-15	pH	7.44	pH units	ALS
L1697161-1	MS-01	3-Nov-15	Total Suspended Solids	<2.0	mg/L	ALS
L1697161-1	MS-01	3-Nov-15	N-NH3 (Ammonia)	0.12	mg/L	ALS
L1697161-1	MS-01	3-Nov-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1697161-1	MS-01	3-Nov-15	Total Phosphorus	0.552	mg/L	ALS
L1697161-1	MS-01	3-Nov-15	Faecal Coliforms	310	CFU/100 mL	ALS
L1697161-1	MS-01	3-Nov-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1697161-1	MS-01	3-Nov-15	Oil & Grease - Total	<2.0	mg/L	ALS
45865	MS-01	3-Nov-15	Toxicity*	non-lethal	mortality %	Aquatox

TABLE 5.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
MILNE PORT						
L1714349-1	MP-01	15-Dec-16	pH	7.67	pH units	ALS
L1714349-1	MP-01	15-Dec-16	Total Suspended Solids	2	mg/L	ALS
L1714349-1	MP-01	15-Dec-16	N-NH3 (Ammonia)	0.171	mg/L	ALS
L1714349-1	MP-01	15-Dec-16	Total Kjeldahl Nitrogen	1.38	mg/L	ALS
L1714349-1	MP-01	15-Dec-16	Total Phosphorus	13.4	mg/L	ALS
L1714349-1	MP-01	15-Dec-16	Faecal Coliforms	0	CFU/100 mL	ALS
L1714349-1	MP-01	15-Dec-16	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1714349-1	MP-01	15-Dec-16	Oil & Grease - Total	<2.0	mg/L	ALS
MINE SITE						
L1714347-1	MS-01	15-Dec-16	pH	7.24	pH units	ALS
L1714347-1	MS-01	15-Dec-16	Total Suspended Solids	27.2	mg/L	ALS
L1714347-1	MS-01	15-Dec-16	N-NH3 (Ammonia)	0.105	mg/L	ALS
L1714347-1	MS-01	15-Dec-16	Total Kjeldahl Nitrogen	1.23	mg/L	ALS
L1714347-1	MS-01	15-Dec-16	Total Phosphorus	18.5	mg/L	ALS
L1714347-1	MS-01	15-Dec-16	Faecal Coliforms	0	CFU/100 mL	ALS
L1714347-1	MS-01	15-Dec-16	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1714347-1	MS-01	15-Dec-16	Oil & Grease - Total	<2.0	mg/L	ALS

Baffinland

TABLE 5.3

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
TOXICITY MONITORING RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Toxicity Test	Result	Lab
44420	MP-Q1-01	17-Jun-15	Rainbow Trout	Non lethal	Aquatox
44420	MP-Q1-01	17-Jun-15	Daphnia magna	Non lethal	Aquatox
44419	MQ-C-B	17-Jun-15	Rainbow Trout	Non lethal	Aquatox
44419	MQ-C-B	17-Jun-15	Daphnia magna	Non lethal	Aquatox
44850	MP-Q1-02	28-Jul-15	Rainbow Trout	Non lethal	Aquatox
44850	MP-Q1-02	28-Jul-15	Daphnia magna	Non lethal	Aquatox
44651	MS-08	9-Jul-15	Rainbow Trout	Non lethal	Aquatox
44651	MS-08	9-Jul-15	Daphnia magna	Non lethal	Aquatox
44549	MQ-C-B	1-Jul-15	Rainbow Trout	Non lethal	Aquatox
44549	MQ-C-B	1-Jul-15	Daphnia magna	Non lethal	Aquatox
44740	MQ-C-B	15-Jul-15	Rainbow Trout	Non lethal	Aquatox
44740	MQ-C-B	15-Jul-15	Daphnia magna	Non lethal	Aquatox
44858	MQ-C-B	30-Jul-15	Rainbow Trout	Non lethal	Aquatox
44858	MQ-C-B	30-Jul-15	Daphnia magna	Non lethal	Aquatox
44859	MQ-C-E	30-Jul-15	Rainbow Trout	Non lethal	Aquatox
44859	MQ-C-E	30-Jul-15	Daphnia magna	Non lethal	Aquatox
44921	MP-01A (pre-discharge)	4-Aug-15	Rainbow Trout	Non lethal	Aquatox
44921	MP-01A (pre-discharge)	4-Aug-15	Daphnia magna	Non lethal	Aquatox
45124	MP-Q1-02	26-Aug-15	Rainbow Trout	Non lethal	Aquatox
45124	MP-Q1-02	26-Aug-15	Daphnia magna	Non lethal	Aquatox
44966	MS-08	11-Aug-15	Rainbow Trout	Non lethal	Aquatox
44966	MS-08	11-Aug-15	Daphnia magna	Non lethal	Aquatox
45065	MQ-C-B	19-Aug-15	Rainbow Trout	Non lethal	Aquatox
45065	MQ-C-B	19-Aug-15	Daphnia magna	Non lethal	Aquatox
45064	MQ-C-E	19-Aug-15	Rainbow Trout	Non lethal	Aquatox
45064	MQ-C-E	19-Aug-15	Daphnia magna	Non lethal	Aquatox
45192	MQ-C-B	2-Sep-15	Rainbow Trout	Non lethal	Aquatox
45192	MQ-C-B	2-Sep-15	Daphnia magna	Non lethal	Aquatox
45191	MQ-C-E	2-Sep-15	Rainbow Trout	Non lethal	Aquatox
45191	MQ-C-E	2-Sep-15	Daphnia magna	Non lethal	Aquatox
45866	MP-01	3-Nov-15	Rainbow Trout	Non lethal	Aquatox
45866	MP-01	3-Nov-15	Daphnia magna	Non lethal	Aquatox

Baffinland

TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
FIELD QA/QC WATER QUALITY DATA ANALYSES

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1591514-1	MP-01	25-Mar-15	pH	7.76	pH units	ALS
L1591514-1	MP-01	25-Mar-15	Total Suspended Solids	3	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	N-NH3 (Ammonia)	0.113	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Total Kjeldahl Nitrogen	0.69	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Total Phosphorus	15.1	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Faecal Coliforms	4	ct/100mL	ALS
L1591514-1	MP-01	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591514-1	MP-01	25-Mar-15	Oil & Grease - Total	<6.0	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	pH	7.61	pH units	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Total Suspended Solids	5.5	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	N-NH3 (Ammonia)	0.061	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Total Kjeldahl Nitrogen	0.2	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Total Phosphorus	14.1	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Faecal Coliforms	5	ct/100mL	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591514-3	MP-01 (Duplicate)	25-Mar-15	Oil & Grease - Total	<4.0	mg/L	ALS

%Difference Comparison

			L1591514-1	L1591514-3	
			MP-01	*MP-01 (Duplicate)*	
	MDL	***Units***	*25-Mar-15*	*25-Mar-15*	***%Difference***
pH	0.1	*pH units*	7.76	7.61	N/A
Total Suspended Solids	2	*mg/L*	3	5.5	-
N-NH3 (Ammonia)	0.05	*mg/L*	0.113	0.061	-
Total Kjeldahl Nitrogen	0.15	*mg/L*	0.69	0.2	-
Total Phosphorus	0.15	*mg/L*	15.1	14.1	6.6
Faecal Coliforms	0	*CFU/100 mL*	4	5	25.0
Biochemical Oxygen Demand	2	*mg/L*	<2.0	<2.0	0.0
Oil & Grease - Total	6	*mg/L*	<6.0	<4.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1591181-1	MS-01	25-Mar-15	pH	7.23	pH units	ALS
L1591181-1	MS-01	25-Mar-15	Total Suspended Solids	4.5	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	N-NH3 (Ammonia)	0.312	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Total Kjeldahl Nitrogen	1.08	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Total Phosphorus	0.16	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Faecal Coliforms	0	ct/100mL	ALS
L1591181-1	MS-01	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591181-1	MS-01	25-Mar-15	Oil & Grease - Total	<6.0 *	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	pH	7.41	pH units	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Total Suspended Solids	<2.0	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	N-NH3 (Ammonia)	0.329	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Total Kjeldahl Nitrogen	0.6	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Total Phosphorus	0.169	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Faecal Coliforms	0	ct/100mL	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1591181-3	MS-01 (Duplicate)	25-Mar-15	Oil & Grease - Total	<6.0 *	mg/L	ALS

			L1591181-1	*L1591181-3*	
			MS-01	*MS-01 (Duplicate)*	
	MDL	***Units***	*25-Mar-15*	*25-Mar-15*	***%Difference***
pH	0.1	*pH units*	7.23	7.41	N/A
Total Suspended Solids	2	*mg/L*	4.5	<2.0	-
N-NH3 (Ammonia)	0.05	*mg/L*	0.312	0.329	5.4
Total Kjeldahl Nitrogen	0.15	*mg/L*	1.08	0.6	-
Total Phosphorus	0.15	*mg/L*	0.16	0.169	-
Faecal Coliforms	0	*CFU/100 mL*	0	0	0.0
Biochemical Oxygen Demand	2	*mg/L*	<2.0	<2.0	0.0
Oil & Grease - Total	6	*mg/L*	<6.0	<6.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1631050-2	MP-04	*22-Jun-15*	pH	8.2	pH units	*ALS*
L1631050-2	MP-04	*22-Jun-15*	Total Suspended Solids	15.2	mg/L	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Benzene*	<0.50	*ug/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Ethylbenzene*	<0.50	*ug/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Toluene*	<0.50	*ug/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Lead - Total*	0.00104	*mg/L*	*ALS*
L1631050-2	MP-04	*22-Jun-15*	*Oil & Grease - Total*	<2.0	*mg/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	pH	8.21	pH units	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	Total Suspended Solids	16.4	mg/L	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Benzene*	<0.50	*ug/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Ethylbenzene*	<0.50	*ug/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Toluene*	<0.50	*ug/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Lead - Total*	0.00059	*mg/L*	*ALS*
L1631050-3	MP-04 (Duplicate)	*22-Jun-15*	*Oil & Grease - Total*	<2.0	*mg/L*	*ALS*

			L1631050-2	*L1631050-3*	
			MP-04	*MP-04 (Duplicate)*	
	MDL	***Units***	*22-Jun-15*	*22-Jun-15*	***%Difference***
pH	0.1	*pH units*	8.2	8.21	N/A
Total Suspended Solids	2	*mg/L*	15.2	16.4	7.9
Benzene	0.5	ug/L	<0.50	<0.50	0.0
Ethylbenzene	0.5	ug/L	<0.50	<0.50	0.0
Toluene	0.5	ug/L	<0.50	<0.50	0.0
Lead - Total	0.0005	mg/L	0.00104	0.00059	-
Oil & Grease - Total	2	*mg/L*	<2.0	<2.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1621567-2	MP-Q1-02	3-Jun-15	Conductivity	180	uS/cm	ALS
L1621567-2	MP-Q1-02	3-Jun-15	pH	8.03	pH units	ALS
L1621567-2	MP-Q1-02	3-Jun-15	Total Suspended Solids	203	mg/L	ALS
L1621567-2	MP-Q1-02	3-Jun-15	N-NH3 (Ammonia)	0.086	mg/L	ALS
L1621567-2	MP-Q1-02	3-Jun-15	N-NO3 (Nitrate)	0.13	mg/L	ALS
L1621567-2	MP-Q1-02	3-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1621567-3	MP-Q1-02 (Duplicate)	3-Jun-15	Conductivity	181	uS/cm	ALS
L1621567-3	MP-Q1-02 (Duplicate)	3-Jun-15	pH	8.06	pH units	ALS
L1621567-3	MP-Q1-02 (Duplicate)	3-Jun-15	Total Suspended Solids	213	mg/L	ALS
L1621567-3	MP-Q1-02 (Duplicate)	3-Jun-15	N-NH3 (Ammonia)	0.095	mg/L	ALS
L1621567-3	MP-Q1-02 (Duplicate)	3-Jun-15	N-NO3 (Nitrate)	0.133	mg/L	ALS
L1621567-3	MP-Q1-02 (Duplicate)	3-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS

			L1621567-2	*L1621567-3*	
			MP-Q1-02	*MP-Q1-02 (Duplicate)*	
	MDL	***Units***	*03-Jun-15*	*03-Jun-15*	***%Difference***
Conductivity	3	µS/cm	180	181	0.6
pH	0.1	*pH units*	8.03	8.06	N/A
Total Suspended Solids	2	*mg/L*	203	213	4.9
N-NH3 (Ammonia)	0.05	*mg/L*	0.086	0.095	-
N-NO3 (Nitrate)	0.02	*mg/L*	0.13	0.133	2.3
Oil & Grease - Total	2	*mg/L*	<2.0	<2.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1625952-3	MP-C-B	10-Jun-15	Conductivity	357	uS/cm	ALS
L1625952-3	MP-C-B	10-Jun-15	pH	8.22	pH units	ALS
L1625952-3	MP-C-B	10-Jun-15	Total Suspended Solids	2.5	mg/L	ALS
L1625952-4	MP-C-B (Duplicate)	10-Jun-15	Conductivity	358	uS/cm	ALS
L1625952-4	MP-C-B (Duplicate)	10-Jun-15	pH	8.24	pH units	ALS
L1625952-4	MP-C-B (Duplicate)	10-Jun-15	Total Suspended Solids	3.4	mg/L	ALS

			L1625952-3	*L1625952-4*	
			MP-C-B	*MP-C-B (Duplicate)*	
	MDL	***Units***	10-Jun-15	*10-Jun-15*	***%Difference***
Conductivity	3	µS/cm	357	358	0.3
pH	0.1	*pH units*	8.22	8.24	N/A
Total Suspended Solids	2	*mg/L*	2.5	3.4	-

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TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
FIELD QA/QC WATER QUALITY DATA ANALYSES

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1627907-1	MS-01	17-Jun-15	pH	7.11	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Total Suspended Solids	3.8	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	N-NH3 (Ammonia)	0.446	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Total Kjeldahl Nitrogen	1.12	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Total Phosphorus	0.678	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627907-1	MS-01	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-1	MS-01	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	pH	7.10	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	N-NH3 (Ammonia)	0.638	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Total Kjeldahl Nitrogen	2.21	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Total Phosphorus	0.714	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-2	MS-01 (Duplicate)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	Conductivity	104	uS/cm	ALS
L1629640-1	MQ-C-A	17-Jun-15	pH	8.01	pH units	ALS
L1629640-1	MQ-C-A	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	N-NO3 (Nitrate)	0.059	mg/L	ALS
L1629640-1	MQ-C-A	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	Conductivity	103	uS/cm	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	pH	7.99	pH units	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	N-NO3 (Nitrate)	0.06	mg/L	ALS
L1629640-8	MQ-C-A (Duplicate)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1632438-1	MQ-C-B	24-Jun-15	pH	7.89	pH units	ALS
L1632438-1	MQ-C-B	24-Jun-15	Total Suspended Solids	9.2	mg/L	ALS
L1632438-2	MQ-C-B (Duplicate)	24-Jun-15	pH	7.92	pH units	ALS
L1632438-2	MQ-C-B (Duplicate)	24-Jun-15	Total Suspended Solids	2	mg/L	ALS
L1624083-8	MS-C-D	9-Jun-15	pH	7.87	pH units	ALS
L1624083-8	MS-C-D	9-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1624083-7	MS-C-D (Duplicate)	9-Jun-15	pH	7.83	pH units	ALS
L1624083-7	MS-C-D (Duplicate)	9-Jun-15	Total Suspended Solids	5.6	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	Conductivity	163	uS/cm	ALS
L1622861-7	MS-C-E	6-Jun-15	pH	8.06	pH units	ALS
L1622861-7	MS-C-E	6-Jun-15	Total Suspended Solids	2	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	N-NO3 (Nitrate)	0.076	mg/L	ALS
L1622861-7	MS-C-E	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	Conductivity	164	uS/cm	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	pH	8.04	pH units	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	Total Suspended Solids	4.8	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	N-NO3 (Nitrate)	0.065	mg/L	ALS
L1622861-8	MS-C-E (Duplicate)	6-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	Conductivity	165	uS/cm	ALS
L1635665-1	MP-Q1-01	1-Jul-15	pH	7.94	pH units	ALS
L1635665-1	MP-Q1-01	1-Jul-15	Total Suspended Solids	2	mg/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	N-NO3 (Nitrate)	0.059	mg/L	ALS
L1635665-1	MP-Q1-01	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	Conductivity	165	uS/cm	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	pH	7.98	pH units	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	N-NO3 (Nitrate)	0.057	mg/L	ALS
L1635665-2	MP-Q1-01 (Duplicate)	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS

%Difference Comparison

	MDL	Units	L1627907-1 MS-01 17-Jun-15	L1627907-2 MS-01 (Duplicate) 17-Jun-15	%Difference
pH	0.1	pH units	7.11	7.10	N/A
Total Suspended Solids	2	mg/L	3.8	<2.0	-
N-NH3 (Ammonia)	0.05	mg/L	0.446	0.638	43.0
Total Kjeldahl Nitrogen	0.15	mg/L	1.12	2.21	**97.3***
Total Phosphorus	0.015	mg/L	0.678	0.714	5.3
Faecal Coliforms	0	CFU/100mL	0	0	0.0
Biochemical Oxygen Demand	2	mg/L	<2.0	<2.0	0.0
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

	MDL	Units	L1629640-1 MQ-C-A 17-Jun-15	L1629640-8 MQ-C-A (Duplicate) 17-Jun-15	%Difference
Conductivity	3	µS/cm	104	103	1.0
pH	0.1	pH units	8.01	7.99	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	mg/L	<0.05	<0.05	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.059	0.06	-
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

	MDL	Units	L1632438-1 MQ-C-B 24-Jun-15	L1632438-2 MQ-C-B (Duplicate) 24-Jun-15	%Difference
pH	0.1	pH units	7.89	7.92	N/A
Total Suspended Solids	2	mg/L	9.2	2	-

	MDL	Units	L1624083-8 MS-C-D 09-Jun-15	L1624083-7 MS-C-D 09-Jun-15	%Difference
pH	0.1	pH units	7.87	7.83	N/A
Total Suspended Solids	2	mg/L	<2.0	5.6	-

	MDL	Units	L1622861-7 MS-C-E 06-Jun-15	L1622861-8 MS-C-E (Duplicate) 06-Jun-15	%Difference
Conductivity	3	µS/cm	163	164	0.6
pH	0.1	pH units	8.06	8.04	N/A
Total Suspended Solids	2	mg/L	2	4.8	-
N-NH3 (Ammonia)	0.05	mg/L	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.076	0.065	-
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

	MDL	Units	L1635665-1 MP-Q1-01 01-Jul-15	L1635665-2 MP-Q1-01 (Duplicate) 01-Jul-15	%Difference
Conductivity	3	µS/cm	165	165	0.0
pH	0.1	pH units	7.94	7.98	N/A
Total Suspended Solids	2	mg/L	2	<2.0	-
N-NH3 (Ammonia)	0.05	mg/L	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.059	0.057	-
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

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TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

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FIELD QA/QC WATER QUALITY DATA ANALYSES

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1642217-1	MP-Q1-01	14-Jul-15	Conductivity	268	uS/cm	ALS
L1642217-1	MP-Q1-01	14-Jul-15	pH	8.11	pH units	ALS
L1642217-1	MP-Q1-01	14-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1642217-1	MP-Q1-01	14-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1642217-1	MP-Q1-01	14-Jul-15	N-NO3 (Nitrate)	0.336	mg/L	ALS
L1642217-1	MP-Q1-01	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	Conductivity	268	uS/cm	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	pH	8.09	pH units	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	N-NH3 (Ammonia)	0.06	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	N-NO3 (Nitrate)	0.335	mg/L	ALS
L1642217-2	MP-Q1-01 (Duplicate)	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639480-2	MP-Q1-02	8-Jul-15	pH	7.93	pH units	ALS
L1639480-2	MP-Q1-02	8-Jul-15	Total Suspended Solids	28	mg/L	ALS
L1639480-3	MP-Q1-02 (Duplicate)	8-Jul-15	pH	7.94	pH units	ALS
L1639480-3	MP-Q1-02 (Duplicate)	8-Jul-15	Total Suspended Solids	28	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	Conductivity	266	uS/cm	ALS
L1651459-8	MQ-C-A	30-Jul-15	pH	8.37	pH units	ALS
L1651459-8	MQ-C-A	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	N-NO3 (Nitrate)	0.021	mg/L	ALS
L1651459-8	MQ-C-A	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	Conductivity	266	uS/cm	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	pH	8.36	pH units	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	N-NO3 (Nitrate)	0.025	mg/L	ALS
L1651459-13	MQ-C-A (Duplicate)	30-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	Conductivity	624	uS/cm	ALS
L1635675-3	MQ-C-B	1-Jul-15	pH	7.85	pH units	ALS
L1635675-3	MQ-C-B	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	N-NH3 (Ammonia)	1.56	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	N-NO3 (Nitrate)	4.69	mg/L	ALS
L1635675-3	MQ-C-B	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	Conductivity	642	uS/cm	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	pH	7.86	pH units	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	N-NH3 (Ammonia)	1.63	mg/L	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	N-NO3 (Nitrate)	4.72	mg/L	ALS
L1635675-4	MQ-C-B (Duplicate)	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-4	MQ-C-D	8-Jul-15	pH	8.20	pH units	ALS
L1639329-4	MQ-C-D	8-Jul-15	Total Suspended Solids	3.6	mg/L	ALS
L1639329-5	MQ-C-D (Duplicate)	8-Jul-15	pH	8.18	pH units	ALS
L1639329-5	MQ-C-D (Duplicate)	8-Jul-15	Total Suspended Solids	2.4	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	Conductivity	184	uS/cm	ALS
L1643829-10	MS-C-G	15-Jul-15	pH	7.6	pH units	ALS
L1643829-10	MS-C-G	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	N-NO3 (Nitrate)	0.126	mg/L	ALS
L1643829-10	MS-C-G	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	Conductivity	184	uS/cm	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	pH	7.64	pH units	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	N-NO3 (Nitrate)	0.125	mg/L	ALS
L1643829-6	MS-C-G (Duplicate)	15-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS

%Difference Comparison

			L1642217-1	L1642217-2	
			MP-Q1-01	MP-Q1-01 (Duplicate)	
	MDL	Units	14-Jul-15	14-Jul-15	%Difference
Conductivity	3	µS/cm	268	268	0.0
pH	0.1	pH units	8.11	8.09	N/A
Total Suspended Solids	2	mg/L	2.4	2.4	-
N-NH3 (Ammonia)	0.05	mg/L	<0.050	0.06	-
N-NO3 (Nitrate)	0.02	mg/L	0.336	0.335	0.3
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

			L1639480-2	L1639480-3	
			MP-Q1-02	MP-Q1-02 (Duplicate)	
	MDL	Units	08-Jul-15	08-Jul-15	%Difference
pH	0.1	pH units	7.93	7.94	N/A
Total Suspended Solids	2	mg/L	28	28	0.0

			L1651459-8	L1651459-13	
			MQ-C-A	MQ-C-A (Duplicate)	
	MDL	Units	30-Jul-15	30-Jul-15	%Difference
Conductivity	3	µS/cm	266	266	0.0
pH	0.1	pH units	8.37	8.36	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	mg/L	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.021	0.025	19.0
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

			L1635675-3	L1635675-4	
			MQ-C-B	MQ-C-B (Duplicate)	
	MDL	Units	01-Jul-15	01-Jul-15	%Difference
Conductivity	3	µS/cm	624	642	2.9
pH	0.1	pH units	7.85	7.86	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	mg/L	1.56	1.63	4.5
N-NO3 (Nitrate)	0.02	mg/L	4.69	4.72	0.6
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

			L1639329-4	L1639329-5	
			MQ-C-D	MQ-C-D (Duplicate)	
	MDL	Units	08-Jul-15	08-Jul-15	%Difference
pH	0.1	pH units	8.20	8.18	N/A
Total Suspended Solids	2	mg/L	3.6	2.4	-

			L1643829-10	L1643829-6	
			MS-C-G	MS-C-G	
	MDL	Units	15-Jul-15	15-Jul-15	%Difference
Conductivity	3	µS/cm	184	184	0.0
pH	0.1	pH units	7.6	7.64	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	mg/L	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.126	0.125	0.8
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

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TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
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FIELD QA/QC WATER QUALITY DATA ANALYSES

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1656285-3	MP-C-H	10-Aug-15	Conductivity	283	uS/cm	ALS
L1656285-3	MP-C-H	10-Aug-15	pH	8.39	pH units	ALS
L1656285-3	MP-C-H	10-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-3	MP-C-H	10-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656285-3	MP-C-H	10-Aug-15	N-NO3 (Nitrate)	0.293	mg/L	ALS
L1656285-3	MP-C-H	10-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	Conductivity	284	uS/cm	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	pH	8.38	pH units	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	N-NO3 (Nitrate)	0.292	mg/L	ALS
L1656285-4	MP-C-H (Duplicate)	10-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS

%Difference Comparison

	MDL	Units	L1656285-3 MP-C-H 10-Aug-15	L1656285-4 MP-C-H (Duplicate) 10-Aug-15	%Difference
Conductivity	3	µS/cm	283	284	0.4
pH	0.1	pH units	8.39	8.38	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	mg/L	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.293	0.292	0.3
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1664518-2	MP-C-H	26-Aug-15	Conductivity	274	uS/cm	ALS
L1664518-2	MP-C-H	26-Aug-15	pH	8.27	pH units	ALS
L1664518-2	MP-C-H	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664518-2	MP-C-H	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664518-2	MP-C-H	26-Aug-15	N-NO3 (Nitrate)	0.188	mg/L	ALS
L1664518-2	MP-C-H	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	Conductivity	273	uS/cm	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	pH	8.3	pH units	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	N-NO3 (Nitrate)	0.189	mg/L	ALS
L1664518-3	MP-C-H (Duplicate)	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS

	MDL	Units	L1664518-2 MP-C-H 26-Aug-15	L1664518-3 MP-C-H (Duplicate) 26-Aug-15	%Difference
Conductivity	3	µS/cm	274	273	0.4
pH	0.1	pH units	8.27	8.3	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	mg/L	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.188	0.189	0.5
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1654086-1	MQ-C-A	6-Aug-15	pH	8.09	pH units	ALS
L1654086-1	MQ-C-A	6-Aug-15	Total Suspended Solids	2.8	mg/L	ALS
L1654086-2	MQ-C-A (Duplicate)	6-Aug-15	pH	8.15	pH units	ALS
L1654086-2	MQ-C-A (Duplicate)	6-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS

	MDL	Units	L1654086-1 MQ-C-A 06-Aug-15	L1654086-2 MQ-C-A 06-Aug-15	%Difference
pH	0.1	pH units	8.09	8.15	N/A
Total Suspended Solids	2	mg/L	2.8	<2.0	-

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1660606-3	MQ-C-B	19-Aug-15	pH	8.1	pH units	ALS
L1660606-3	MQ-C-B	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1660606-13	MQ-C-B (Duplicate)	19-Aug-15	pH	8.13	pH units	ALS
L1660606-13	MQ-C-B (Duplicate)	19-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS

	MDL	Units	L1660606-3 MQ-C-B 19-Aug-15	L1660606-13 MQ-C-B (Duplicate) 19-Aug-15	%Difference
pH	0.1	pH units	8.1	8.13	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1664658-4	MQ-C-B	26-Aug-15	Conductivity	545	uS/cm	ALS
L1664658-4	MQ-C-B	26-Aug-15	pH	8.33	pH units	ALS
L1664658-4	MQ-C-B	26-Aug-15	Total Suspended Solids	2.5	mg/L	ALS
L1664658-4	MQ-C-B	26-Aug-15	N-NH3 (Ammonia)	0.561	mg/L	ALS
L1664658-4	MQ-C-B	26-Aug-15	N-NO3 (Nitrate)	3.39	mg/L	ALS
L1664658-4	MQ-C-B	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	Conductivity	545	uS/cm	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	pH	8.35	pH units	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	N-NH3 (Ammonia)	0.594	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	N-NO3 (Nitrate)	3.4	mg/L	ALS
L1664658-5	MQ-C-B (Duplicate)	26-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS

	MDL	Units	L1664658-4 MQ-C-B 26-Aug-15	L1664658-5 MQ-C-B (Duplicate) 26-Aug-15	%Difference
Conductivity	3	µS/cm	545	545	0.0
pH	0.1	pH units	8.33	8.35	N/A
Total Suspended Solids	2	mg/L	2.5	<2.0	-
N-NH3 (Ammonia)	0.05	mg/L	0.561	0.594	5.9
N-NO3 (Nitrate)	0.02	mg/L	3.39	3.4	0.3
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1656929-10	MS-C-F	12-Aug-15	Conductivity	247	uS/cm	ALS
L1656929-10	MS-C-F	12-Aug-15	pH	8.08	pH units	ALS
L1656929-10	MS-C-F	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-10	MS-C-F	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-10	MS-C-F	12-Aug-15	N-NO3 (Nitrate)	0.426	mg/L	ALS
L1656929-10	MS-C-F	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	Conductivity	246	uS/cm	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	pH	8.02	pH units	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	N-NO3 (Nitrate)	0.429	mg/L	ALS
L1656929-2	MS-C-F (Duplicate)	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS

	MDL	Units	L1656929-10 MS-C-F 12-Aug-15	L1656929-2 MS-C-F (Duplicate) 12-Aug-15	%Difference
Conductivity	3	µS/cm	247	246	0.4
pH	0.1	pH units	8.08	8.02	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	mg/L	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	mg/L	0.426	0.429	0.7
Oil & Grease - Total	2	mg/L	<2.0	<2.0	0.0

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1668085-1	MP-Q1-02	2-Sep-15	pH	8.11	pH units	ALS
L1668085-1	MP-Q1-02	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668085-2	MP-Q1-02 (Duplicate)	2-Sep-15	pH	8.15	pH units	ALS
L1668085-2	MP-Q1-02 (Duplicate)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS

	MDL	Units	L1668085-1 MP-Q1-02 02-Sep-15	L1668085-2 MP-Q1-02 (Duplicate) 02-Sep-15	%Difference
pH	0.1	pH units	8.11	8.15	N/A
Total Suspended Solids	2	mg/L	<2.0	<2.0	0.0

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TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

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FIELD QA/QC WATER QUALITY DATA ANALYSES

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1671368-2	MP-C-H	9-Sep-15	Conductivity	329	uS/cm	ALS
L1671368-2	MP-C-H	9-Sep-15	pH	8.34	pH units	ALS
L1671368-2	MP-C-H	9-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671368-2	MP-C-H	9-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1671368-2	MP-C-H	9-Sep-15	N-NO3 (Nitrate)	0.287	mg/L	ALS
L1671368-2	MP-C-H	9-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	Conductivity	329	uS/cm	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	pH	8.35	pH units	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	N-NO3 (Nitrate)	0.286	mg/L	ALS
L1671368-3	MP-C-H (Duplicate)	9-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	Conductivity	215	uS/cm	ALS
L1668093-4	MS-C-G	2-Sep-15	pH	8.16	pH units	ALS
L1668093-4	MS-C-G	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	N-NO3 (Nitrate)	0.280	mg/L	ALS
L1668093-4	MS-C-G	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	Conductivity	215	uS/cm	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	pH	8.15	pH units	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	N-NO3 (Nitrate)	0.281	mg/L	ALS
L1668093-5	MS-C-G (Duplicate)	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS

%Difference Comparison

			L1671368-2	*L1671368-3*	
			MP-C-H	*MP-C-H (Duplicate)*	
	MDL	***Units***	*09-Sep-15*	*09-Sep-15*	***%Difference***
Conductivity	3	µS/cm	329	329	0.0
pH	0.1	*pH units*	8.34	8.35	N/A
Total Suspended Solids	2	*mg/L*	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	*mg/L*	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	*mg/L*	0.287	0.286	0.3
Oil & Grease - Total	2	*mg/L*	<2.0	<2.0	0.0

			L1668093-4	*L1668093-5*	
			MS-C-G	*MS-C-G (Duplicate)*	
	MDL	***Units***	*02-Sep-15*	*02-Sep-15*	***%Difference***
Conductivity	3	µS/cm	215	215	0.0
pH	0.1	*pH units*	8.16	8.15	N/A
Total Suspended Solids	2	*mg/L*	<2.0	<2.0	0.0
N-NH3 (Ammonia)	0.05	*mg/L*	<0.050	<0.050	0.0
N-NO3 (Nitrate)	0.02	*mg/L*	0.280	0.281	0.4
Oil & Grease - Total	2	*mg/L*	<2.0	<2.0	0.0

Notes:

Result data sets with one or two values less than 5 times the MDL of their respective parameter are presented with a % Difference of "-".

Bold values indicate differences greater than 50%.

* The high variability seen in the the field duplicate of MS-01 on June 17 can be attributed to the normal variability in the treated sewage effluent stream.

Comparisons for pH were not performed

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TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

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FIELD QA/QC WATER QUALITY DATA ANALYSES

FIELD BLANKS AND TRAVEL BLANKS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1627921-3	MP-01 (Field Blank)	17-Jun-15	pH	5.87	pH units	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Total Phosphorus	<0.003	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627921-3	MP-01 (Field Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	pH	5.81	pH units	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Total Phosphorus	**0.0049***	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627921-4	MP-01 (Travel Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	pH	5.96	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Total Phosphorus	<0.003	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-3	MS-01 (Field Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	pH	5.88	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Total Kjeldahl Nitrogen	**0.15***	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Total Phosphorus	<0.003	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1627907-4	MS-01 (Travel Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	Conductivity	<3.0	uS/cm	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	pH	6.57	pH units	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	N-NO3 (Nitrate)	<0.02	mg/L	ALS
L1629640-7	MQ-C-B (Travel Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	Conductivity	<3.0	uS/cm	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	pH	6.24	pH units	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	Total Suspended Solids	<2.0	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	N-NH3 (Ammonia)	<0.05	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	N-NO3 (Nitrate)	<0.02	mg/L	ALS
L1629640-13	MS-C-A (Field Blank)	17-Jun-15	Oil & Grease - Total	<2.0	mg/L	ALS

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TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
FIELD QA/QC WATER QUALITY DATA ANALYSES

FIELD BLANKS AND TRAVEL BLANKS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	Conductivity	<3.0	uS/cm	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	pH	5.98	pH units	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1642217-3	MP-Q1-01 (Field Blank)	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	Conductivity	<3.0	uS/cm	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	pH	5.85	pH units	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1642217-4	MP-Q1-01 (Travel Blank)	14-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1639329-10	MS-C-B (Field Blank)	8-Jul-15	pH	6.13	pH units	ALS
L1639329-10	MS-C-B (Field Blank)	8-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	Conductivity	<3.0	uS/cm	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	pH	5.7	pH units	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	Total Suspended Solids	<2.0	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1635675-7	MS-C-G (Field Blank)	1-Jul-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	Conductivity	<3.0	uS/cm	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	pH	6.15	pH units	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1656929-15	MQ-C-B (Field Blank)	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	Conductivity	<3.0	uS/cm	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	pH	5.78	pH units	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	Total Suspended Solids	<2.0	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1656929-16	MS-C-A (Travel Blank)	12-Aug-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	pH	6.08	pH units	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	N-NH3 (Ammonia)	**0.135***	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676967-3	MP-01 (Field Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	pH	6.01	pH units	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676967-4	MP-01 (Travel Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS

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TABLE 5.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
FIELD QA/QC WATER QUALITY DATA ANALYSES

FIELD BLANKS AND TRAVEL BLANKS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
L1676964-2	MS-01 (Field Blank)	23-Sep-15	pH	6.25	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676964-2	MS-01 (Field Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	pH	6.01	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Total Kjeldahl Nitrogen	<0.15	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Total Phosphorus	<0.0030	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Faecal Coliforms	0	CFU/100 mL	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Biochemical Oxygen Demand	<2.0	mg/L	ALS
L1676964-3	MS-01 (Travel Blank)	23-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	Conductivity	<3.0	uS/cm	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	pH	7.01	pH units	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1668093-13	MS-C-D (Travel Blank)	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	Conductivity	<3.0	uS/cm	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	pH	7.09	pH units	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	Total Suspended Solids	<2.0	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	N-NH3 (Ammonia)	<0.050	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	N-NO3 (Nitrate)	<0.020	mg/L	ALS
L1668093-7	MS-C-E (Field Blank)	2-Sep-15	Oil & Grease - Total	<2.0	mg/L	ALS

Notes:

Bold results indicate values greater than their respective parameter MDL.
*MP-01 and MS-01 Blanks (Field, Travel) collected on June 17 and Sept 23 had result values greater than their respective parameter MDLs.
The result values greater than their respective parameter MDLs were within 3 times the value of each parameter MDL.
Possible explanations for the elevated values include contamination during sampling or analytical error.

Baffinland

TABLE 6.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
2016 MARY RIVER PROJECT TOTAL CLOSURE AND RECLAMATION SECUITY SUMMARY [1]

Authorization	Liability	Total Posted in 2015 ($)	Security Determination for 2016/17 ASR ($) [4]	Adjustment to be Posted ($)
				F-D
Type A 2AM-MRY1325	IOL [2]	47,518,000	48,846,000	1,328,000
	Crown	166,000	1,210,000	1,044,000
	Subtotal Type A	**47,684,000**	**50,056,000**	**2,372,000**
Type B Water Licence [3] 2BC-MRY1416	IOL [2]	-	-	-
	Crown	147,000	-	(147,000)
	Subtotal Type B Construction	**147,000**	**-**	**(147,000)**
Type B Exploration 2BE-MRY1421	IOL [2]	-	-	-
	Crown	1,250,000	1,247,000	-
	Subtotal Type B Exploration	**1,250,000**	**1,247,000**	**-**
	GRAND TOTAL	**49,081,000**	**51,303,000**	**2,225,000**

NOTES:

[1] Totals rounded to nearest ’000 in CAD

[2] All security relating to IOL held by Qikiqtani Inuit Association (QIA) under Commercial Lease No. Q13C301

[3] Security associated with activities and components are double bonded under Type B Water Licence 2BC-MRY1416 and Type A Water Licence 2AM-MRY1325

[4] As defined by February 5, 2016 NWB Correspondance, Re: Licence No. 2AM-MRY1325, Baffinland Iron Mines Corporation Type “A” Water Licence, Mary River Mine Project: Direction from Nunavut Water Board Under the Annual Security Review Process Established Under Part C and Schedule C of theWater Licence

TABLE 7.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
QUARTERLY AND ANNUAL QUANTITIES OF SPECIFIED SUBSTANCES REMOVED FROM BORROWS AND QUARRIES (BCMs)

Quarter	Quarry QMR2			KM 104			Quarry D1Q2		
	Rock	Unconsolidated Material	Organics	Rock	Unconsolidated Material	Organics	Rock	Unconsolidated Material	Organics
Jan-March 2015	19,400	0	0	0	0	0	0	0	0
April-June 2015	0	0	0	0	0	0	0	0	0
July-Sept 2015	66,200	0	0	0	12,800	0	3,950	0	0
Oct-Dec 2015	6,900	0	0	0	0	0	0	0	0
Total for 2015	***92,500***	***0***	***0***	***0***	***12,800***	***0***	***3,950***	***0***	***0***

Quarter	Km 1 Borrow			Km 97 Borrow				Cumulative Total
	Rock	Unconsolidated Material	Organics	Rock	Unconsolidated Material	Organics		
Jan-March 2015	0	0	0	0	0	0		
April-June 2015	0	0	0	0	0	0		
July-Sept 2015	0	0	0	0	0	0		
Oct-Dec 2015	0	12,550	0	0	8,200	0		
Total for 2015	***0***	***12,550***	***0***	***0***	***8,200***	***0***		**130,000 BCM**

Notes: Volumes based on a comparison between survey surfaces. Volumes removed expressed in Banked Cubic Metres (BCMs).
Survey and calculations based on methodologies agreed between Baffinland and QIA.
Borrow removed at km 97 was an estimate because there appears to be some discrepancies with the original surface survey. Volume will be checked once remote high resolution georeferenced satellite data become available.

TABLE 8.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANUAL REPORT
MEETINGS WITH PUBLIC, GOVERNMENT AND INUIT ORGANIZATIONS

Date	Group	Location	Description
January 15, 2015	QIA	Oakville	Review of Closure costs for 2015 and Interim Closure Plan
January 22, 2015	Public Open House	Pond Inlet	Public Open House – Phase 2 of the Mary River Project
January 23, 2015	Public Community Hall Meetings	Pond Inlet, Clyde River, Arctic Bay, Hall Beach, Igloolik	North Baffin Community Tour
February 17-22, 2015	Phase 2 Workshop # 1	Pond Inlet	Contemporary Use of the Marine Environment in all Seasons
March 3-4, 2015	Phase 2 Workshop # 1	Pond Inlet	Public Open House – Summary of Contemporary Marine Environment Use
March 5, 2015	Mary River Community Group	Pond Inlet	Contemporary Land Use and Project Update
March 6, 2015	Public Open House	Pond Inlet	Public Open House – Phase 2 of the Mary River Project
Week of April 13, 2015	QIA, Baffinland, residents of Pond Inlet	Nain	Voisey's Bay Winter Shipping Site Visit to witness Umiak shipping through ice
April 21, 2015	Marine Environment Working Group	Iqaluit	Pre-Field Season Meeting
April 22, 2015	Terrestrial Environment Working Group	Iqaluit	Pre-Field Season Meeting
Week of April 26, 2015	Phase 2 Workshop # 2	Pond Inlet	Shipping Through Ice Workshop
April 30, 2015	Summary of Phase 2 Workshop # 2	Pond Inlet	Public Open House – Shipping Through Ice
May 1, 2015	Mary River Community Group	Pond Inlet	Summary of Shipping Through Ice Workshop # 2 results and Project Update
May 5-7, 2015	NWB	Pond Inlet	Type A Amendment Hearing
May 13-14, 2015	Various Regulators and NGO's	Iqaluit	Canadian Marine Advisory Council (CMAC) meetings
May 17, 2015	Environment Canada officials	Ottawa	Update on Exemption request
May 17, 2015	AANDC officials	Ottawa	Update on Exemption request
May 18, 2015	WWF	Ottawa	Update on exemption request and Spill at Sea modelling
May 18, 2015	CANnor	Ottawa	Update on Exemption request
June 3-4, 2015	NIRB	Mary River	Site Tour
June 16, 2015	DFO, EC, OSRL, AMEC, TC	Oakville	Spill at Sea Response Plan
June 23-26, 2015	NPC and various Regulators and Community Organizations	Iqaluit	NPC – Nunavut Wide Land Use Plan – Technical Meetings
June 29, 2015	AANDC	Conference Call	NUUPPA implementation update conference call
Week of August 23, 2015	QIA	Iqaluit	Meetings with QIA on Lease and Interim Closure Plan
September 9, 2015	Parks Canada	Ottawa	Lancaster Sound NMCA
Week of October 26, 2015	Phase 2 Workshop # 3	Pond Inlet	Open Water Workshop
October 28, 2015	Summary of Phase 2 Workshop # 3	Pond Inlet	Public Open House – Open Water Shipping
October 29, 2015	Mary River Community Group	Pond Inlet	Open Water Shipping and Project Update
November 17, 2015	Terrestrial Environment Working Group	Ottawa	Post-Field Season Meeting
November 18, 2015	Marine Environment Working Group	Ottawa	Post-Field Season Meeting
November 19-22, 2015	Phase 2 Workshop # 4	Pond Inlet	Caribou Workshop
December 17, 2015	NWB, QIA, and AANDC	Teleconference	Annual Security Review with NWB

TABLE 8.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
STAKEHOLDER SITE VISITS TO MARY RIVER

Date	Organization or Group
January 14-20, 2015	WSCC Mines Inspector
March 9-12, 2015	AANDC Water Resources Officers
March 12-17, 2015	WSCC Mines Inspector
May 12-14, 2015	WSCC Mines Inspector
June 3, 2015	NIRB Site Tour
June 16-17, 2015	AANDC Water Resources Officers
June 25-30, 2015	QIA - Environmental Inspectors
July 23-28, 2015	QIA - Environmental Inspectors
July 30-August 3, 2015	AANDC Water Resources Officers & Geotechnical Inspection
August 6-11, 2015	QIA - Auditors
September 1-3, 2015	DFO Inspection
September 3-8, 2015	AANDC Security Audit Review
September 17-22, 2015	QIA - Environmental Inspectors
October 2-6, 2015	WSCC Mines Inspector
October 6-8, 2015	AANDC Water Resources Officers
December 8-10, 2015	AANDC Water Resources Officers

TABLE 9.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF ORE GENERATED BY THE PROJECT

Month	Quantity Ore Produced (wet tonnes)	
	Lump	Fines
January	40,110	11,883
February	40,703	12,168
March	58,456	10,112
April	86,427	26,790
May	48,220	16,955
June	36,803	9,069
July	86,033	27,202
August	97,368	1,975
September*	102,572	-218
October	94,487	117,281
November	155,246	64,658
December	145,477	38,863
Total	991,902	336,738
Annual Total:	1,328,640	

TABLE 9.2
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF ORE SHIPPED BY THE PROJECT

Month	Quantity Ore Shipped (tonnes)	
	Lump	Fines
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	274,183	73,735
September	368,280	72,845
October	127,392	0
November	0	0
December	0	0
Total	769,855	146,580
Annual Total:	916,435	