BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

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EXECUTIVE SUMMARY

This report to the Nunavut Water Board (NWB) has been prepared to summarize the Project activities and monitoring undertaken by Baffinland Iron Mines Corporation (Baffinland) during 2011, in accordance with Part B, Item 6 of Baffinland's Type B water licence for the Mary River Project, No. 2BB-MRY1114. The licence was issued on April 5, 2011, expires in April 2014, and replaces the previous licence 2BB-MRY0710 which expired on December 31, 2011. There was a three month delay between the expiry of the pre-existing licence and the issuing of the renewed licence. During this three month hiatus between the two licences, the Mary River Project was on winter care and maintenance and continued to operate and report in accordance with licence 2BB-MRY0710.

Baffinland's water licence outlines a monitoring 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., runoff from bulk sample pits or water from a lined fuel containment berm). This information is summarized on the completed NWB Annual Report Form and is described in more detail in the report, herein. Based on a review of water licence effluent results reported as part of the SNP, effluent discharged to the receiving environment did not exceed water licence effluent criteria during 2011.

Key activities associated with the Mary River Project (the Project) in 2011 are summarized as follows:

- Maintenance and continuous improvement of the current site safety program
- Year-round operation of the camps at Mary River and Milne Inlet, and a geotechnical drilling program involving up to six drills, between April and September. The two camps were operated in the offseason (before and after the drilling program) on a care and maintenance basis in the interest maintaining site access, environmental compliance, and security.
- A major geotechnical drilling program that involved up to six drills between April and August and focusing on proposed infrastructure at Project development areas including the Steensby and Milne Inlet Port sites, the Mine Site, the railway alignment, and borrow/quarry sites. A total of 7,745 metres were drilled in 517 drillholes.
- A regional surface exploration program focusing on iron ore deposits Nos. 3 to 9 was conducted. Exploration activities included ground based and airborne magnetic surveys, property scale mapping, and advanced reconnaissance prospecting.
- Continued deposition of non-hazardous wastes into the constructed landfill in accordance with the landfill operations and maintenance manual
- Annual resupply of equipment, fuel and consumables on three sealifts; two that arrived at Milne Port and one at Steensby Port. Resupply of fuel (Jet-A and P50 diesel) that arrived on a Milne Port sealift. Transport of needed fuel and supplies stored at Milne Port to the Mary River camp site via the Milne Inlet Tote Road.

- Construction of an approved above ground five million litre steel fuel storage tank and dispensing facilities within new engineered lined containment berm at the Milne Port site
- Operation of helicopter and fixed wing aircraft to service the Steensby Inlet Camp, geotechnical drilling program and other general site activities, including environmental monitoring and regional exploration and baseline programs
- Continued upgrade of the Milne Inlet Tote Road for the purpose of improving safety and reducing environmental risk
- The continued use and maintenance of a rotating biological contactor (RBC) for treatment of sewage from the Mary River Camp and the restart of the RBC plant at Milne Inlet, including repair work and upgrades
- Support of ongoing baseline and engineering studies in support of the preparation of the Final Environmental Impact Statement and advancement of the Project

The environmental focus for the Project during 2011 included ongoing compliance with regulatory permits, and continued progressive reclamation. Some of the key environmental-related activities and progressive reclamation projects that were significantly advanced during the field season included the following:

- Spill contingency training was delivered to Baffinland spill response team members and all site staff through classroom and tool box meetings, especially in preparation for the Milne Inlet bulk fuel resupply activities and steel tank construction project. Six spills were reported to the Nunavut Spill Line and other stakeholders. These spills did not result in any significant impacts to the surrounding land or water.
- Inspection of site fuel systems in relation to the CCME guidance documents for above ground fuel storage tank systems
- The oily stormwater treatment system for the bulk fuel storage facility at Milne Inlet Camp resumed operation and effectively treated hydrocarbon impacted water to levels well below applicable water licence criteria. A monitoring plan confirmed compliance with the water licence and approximately 1,835 m^3 of treated water was released to Milne Inlet. At the Mary River Camp, a treatment system was utilized to treat a small quantity of hydrocarbon-impacted water (approximately 200 m^3) that had accumulated in the Mary River bulk fuel storage facility.
- An action plan for decommissioning of the Milne Inlet Bulk Fuel Storage Facility (bladder farm) was developed and submitted to the NWB and QIA in June 2011
- A conceptual design and management plan were advanced for a land farming bioremediation facility to be located at Milne Inlet. The future construction and operation of the landfarm facility will require an amendment to the existing type “B” water licence and approval from the QIA. Construction is anticipated in 2013.
- Culvert improvements at select DFO authorized stream crossings associated with the Milne Inlet Tote Road upgrades were completed during 2011
- During the period from June to September 2011, treated sewage from the Polishing Waste Stabilization Ponds at Mary River Camp was discharged to the receiving environment. A monitoring plan confirmed compliance with the water licence and approximately 5,287 m^3 of water was discharged to Sheardown Lake.
- Clean-up, reclamation work and resupply of the barrel fuel storage at Steensby Inlet Camp

- Litter and debris were removed, and test pits, channels and in-ground sumps were backfilled at the completion of the 2011 geotechnical drilling program. Additional work to complete reclamation of a number of drill sites from previous years has been inventoried and is ongoing.
- Hazardous waste and materials from the Project that were generated mainly over the course of the year were packaged and transported off site for disposal/recycling in licenced waste disposal facilities located in Southern Canada
- Geotechnical inspection of the polishing waste stabilization ponds (PWSPs) and bulk fuel storage containment areas was completed by a Professional Engineer licensed in Nunavut. An inspection report was submitted to the Nunavut Water Board and certified that the structures were in a stable condition at the time of the inspection.

In 2011, the Mary River and Milne Inlet camps remained occupied for the entire year, Mid-Rail camp was not occupied, and Steensby Inlet camp was occupied from April to September. Fresh water was withdrawn to sustain two key activities: potable water supply for camp use and water supply for drilling operations. Drilling operations involved geotechnical drilling.

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An annual review of the management plans developed under the water licence has been undertaken. Updates to the Abandonment and Reclamation Plan, the Spill Contingency Plan, Site Water Management Plan, and QA/QC Plan, Wastewater Management Plan and Comprehensive Environmental Management Plan have been completed and the revised plans are included as Appendix F to this annual report.

In 2011, Baffinland maintained and operated community liaison offices in Iqaluit, Igloolik, and Pond Inlet and community and government consultation continued at a very high level of effort. Meetings were held with the public, local hamlet officials, local HTOs, local QIA representatives, and/or others in the communities of (listed alphabetically): Arctic Bay, Cape Dorset, Clyde River, Hall Beach, Igloolik, Kimmirut and Pond Inlet. In addition, Baffinland hired a Senior Northern Affairs Manager and an additional community liaison officer, both based in Iqaluit. Baffinland hosted numerous site visits to Mary River from local North Baffin hamlet representatives, government representatives, including site visits and formal compliance inspections from regulatory authorities including the Qikiqtani Inuit Association (QIA), land and water inspector from Northern Affairs Canada (INAC), Environment Canada, and Fisheries and Oceans Canada (DFO) among others.

The Project continued to move through the NIRB environmental review process during 2011. The Draft Environmental Impact Statement (DEIS) for the Mary River Project was submitted to the NIRB in January 2011 and the Final EIS was submitted and accepted by the NIRB in February and March 2012. According to the NIRB schedule of timelines, it is expected that a Project Certificate could be granted during the third quarter of 2012.

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ᓄᓘᔭᖕᓂ ᐱᓕᕆᐊᖑᓇᓱᒃᑐᖅ

2010 ᐊᕐᕋᖑᑕᒫᖅᓯᐅᑎ ᐅᓂᒃᑲᓕᐊᖑᓯᒪᔪᖅ ᑐᓂᔭᐅᔪᖅ
ᓄᓇᕗᒥ ᐃᒥᓕᕆᔩᑦ ᑎᒥᖓᓐᓄᑦ

ᓇᐃᓪᓕᑎᓯᒪᔪᖅ ᐅᓂᒃᑲᓕᐊᖅ

ᐅᓇ ᐅᓂᒃᑳᓕᐊᖑᓯᒪᔪᖅ ᑐᓂᔭᐅᔪᖅ ᓄᓇᕘᒥ ᐃᒪᓕᕆᔩᑦ ᑎᒥᖓᓐᓄᑦ (NWB) ᓴᓇᔭᐅᓯᒪᔪᖅ ᓇᐃᓪᓕᑎᓯᒪᓪᓗᓂ ᑕᒪᑐᒧᖓ ᐱᓕᕆᐊᖑᓇᓱᒃᑐᒧᑦ ᐊᒻᒪᓗ ᖃᐅᔨᓴᕐᓂᐅᔪᑦ ᐱᓕᕆᔭᐅᕙᓪᓕᐊᓯᒪᔪᑦ ᑖᒃᑯᓄᖓ ᐹᕙᓪᓚᓐᑯᓐᓄᑦ ᓴᕕᒃᓵᓚᕆᔨᑦ ᐅᔭᕋᖕᓂᐊᕐᑎᑦ ᑯᐊᐳᕆᓴᖓᓐᓄᑦ ᑕᒪᑑᒫᓂ 2010 ᐊᕐᕋᖓᒥ, ᒪᓕᒃᓗᒍ ᑎᑎᕋᖅᓯᒪᔪᖅ ᑕᕝᕙᓂ ᐃᓚᒃᑯᖓᔪᒥ B Γ, ᓇᓴᐅᑎᓕᒃ 5Γ ᐸᕙᓪᓚᓐᑯᑦ ᐃᒥᕐᒧᑦ ᓚᐃᓴᓯᖓ ᑕᕝᕙᓂ ᓄᓗᔭᖕᓂ ᐱᓕᕆᐊᖑᓇᓱᒃᑐᒥ, #2BB-MRY0710. ᑕᓐᓇ ᓚᐃᓴᓯᐅᔪᖅ ᐊᖅᑭᒋᐊᖅᑕᐅᓚᐅᖅᑐᖅ 2007Γ ᐊᒻᒪᓗ 2008Γ. ᒫᓇᐅᔪᖅ ᓚᐃᓴᓯᐅᔪᖅ, ᐊᖅᑭᒋᐊᖅᓯᒪᔪᖅ, ᐃᓱᓕᕝᕕᒃᓴᓕᒃ ᑎᓯᐱᕆ 31, 2010Γ ᐊᒻᒪᓗ ᒫᓇᐅᔪᖅ ᓄᑖᕆᐊᖅᑎᑕᐅᒃᑲᓐᓂᕋᓱᒃᑐᖅ. ᑕᓐᓇ ᓄᑖᕆᐊᖅᓯᒪᓕᕐᓗᒍ ᐱᔭᐅᓂᐊᕋᓱᒋᔭᐅᔪᖅ ᓯᕗᓂᑦᑎᓐᓂ ᖃᓂᑦᑐᒥ. ᑕᖅᑭᓂᒃ ᐱᖓᓱᓂᒃ ᓄᖅᑲᖓᓚᐅᖅᓯᒪᔪᑦ ᐋᖓᓂᖓᓂ ᒪᕐᕉᒃ ᐱᔪᓐᓇᐅᑎᓪᖑᓇᓱᒃᑎᓪᓗᒋᑦ, ᓄᓘᔮᒃ ᐅᑭᐅᖑᓂᖓᓄᑦ ᓄᖅᑲᖓᓚᐅᖅᓯᒪᖓᒪᑕ ᐊᒻᒪᓗ ᐅᓂᒃᑳᑦ ᑲᔪᓯᑐᐃᓐᓇᓚᐅᖅᑐᖅ ᒪᓕᒃᓗᒍ ᐱᔪᓐᓇᐅᑎᖓᑦ #2BB-MRY0710.

ᐸᕙᓪᓚᓐᑯᑦ ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᖓᑦ ᓇᓗᓇᐃᖅᓯᓯᒪᕗᖅ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ ᐱᓕᕆᐊᒃᓴᒥᒃ ᐊᑐᕆᐊᖃᖅᑎᓯᒪᓪᓗᓂ ᑎᑎᕋᖅᐸᓪᓚᐊᓗᑦ ᐃᒥᐅᑉ ᐊᑐᖅᑕᐅᕙᓪᓕᐊᓂᖓ ᖃᓄᑐᐃᓐᓇᓕᒫᖅ, ᖃᐅᔨᓴᖅᑕᐅᓂᖓ ᓴᓗᒻᒪᖅᓴᐅᑎᐅᕙᓪᓕᐊᔪᖅ (ᓱᕐᓗ, ᓴᓗᒻᒪᖅᓴᖅᓯᒪᔪᑦ ᖁᕕᖅᑖᕝᕕᐅᑉ ᐃᒥᖓ) ᑯᕕᔭᐅᕙᒃᑐᖅ ᐊᕙᑎᒧᑦ, ᐊᒻᒪᓗ ᖃᐅᔨᓴᕐᓂᐅᔪᑦ ᐃᒥᐅᑉ ᖃᓄᐃᑉᐸᓪᓕᐊᓂᖓᓂᒃ ᐱᓕᕆᕝᕕᐅᔾᔪᑉ ᐃᓗᐊᓂ ᐊᑐᖅᑕᐅᔪᒪᔪᓂᑦ (ᓲᕐᓗ, ᑰᒃᑕᐅᕙᓪᓕᐊᔪᖅ ᑕᒫᓐᖓᑦ ᐊᖏᔪᓂ ᑲᑎᖅᓱᕝᕕᐅᓯᒪᔪᓂ ᓴᕕᒃᓵᒥᒃ ᐊᒻᒪᓘᓐᓃᑦ ᓵᙳᑦᑎᖅᓯᒪᔪᓂᒃ ᐅᖅᓱᐊᓗᖃᐅᑎᖃᕐᔪᕕᐅᔪᓂᒃ ᑯᕕᔾᔭᐃᒃᑯᑎᖃᖅᑐᓂ). ᑖᒃᑯᐊ ᖃᐅᔨᒪᔾᔪᑎᑦ ᓇᐃᓪᓕᑎᓯᒪᓪᓗᑎᒃ ᑎᑎᕋᖅᓯᒪᔪᑦ ᑕᕝᕙᓂ ᐱᔮᕆᖅᓯᒪᔪᒥ ᐃᒪᓕᕆᔩᒃᑯᑦ ᑎᒥᕐᑯᑎᖓᓐᓂ ᐊᕐᕋᒍᑕᒫᖅᓯᐅᑎᖏᓐᓂ ᐅᓂᒃᑳᓕᐊᖑᔪᑦ ᑎᑎᕋᕝᕙᒃᓴᖓᓂ ᐊᒻᒪᓗ ᓇᓗᓇᐃᖅᓯᒪᒃᑲᓂᖅᓗᑎᒃ ᐊᑕᖕᒋᔪᒥᒃ ᑕᕝᕙᓂ ᐅᓂᒃᑳᓕᐊᖑᓯᒪᔪᒥ, ᐅᓂᒃᑳᖅᓯᒪᔪᒥ ᑯᕕᔭᐅᔪᑦ ᐅᖓᑕᐅᔾᔨᓚᐅᖏᖅᓴᑕ 2011-ᖑᑎᓪᓗᒍ.

ᐱᓗᐊᖅᑕᐅᔪᑦ ᐱᓕᕆᐊᖑᓇᓱᒃᑐᑦ ᑕᕝᕙᓂ ᓄᓘᔭᖕᓂ ᐱᓕᕆᐊᖑᓇᓱᒃᑐᒥ 2011Γ ᐅᑯᐊᖑᕗᑦ ᓇᐃᓪᓕᑎᓯᒪᓪᓗᑎᒃ ᑎᑎᕋᖅᓯᒪᔪᑦ:

- ᑲᒪᒋᔭᐅᖏᓐᓇᕐᓗᑎᒃ ᐊᒻᒪᓗ ᐱᐅᓯᑎᑕᐅᕙᓪᓕᐊᖏᓐᓇᕐᓗᑎᒃ ᐊᑦᑕᕐᓇᖅᑕᐃᓕᒪᔾᔪᑎᐅᔪᑦ ᐃᖅᑲᓇᐃᔭᕝᕕᐅᔪᒪᔪᒥ.
- ᐊᕐᕋᖑᓕᒫᖅ ᐊᐅᓚᑦᑎᓂᖅ ᓄᓇᓕᐅᔪᓂᒃ ᓄᓘᔭᖕᓂ ᐊᒻᒪᓗ ᕿᓐᖑᐊᓂ, ᐊᒻᒪ ᐱᖓᓱᓂᒃ ᓂᐅᖅᑑᑎᓂᒃ ᖃᐅᔨᓴᐅᑎᓂᖅ ᐊᒻᒪᓗ ᓄᓇᒥᒃ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ ᐱᓕᕆᓂᖅ ᐊᐃᓇᓕᐅᑉ ᐊᒻᒪ ᓯᑎᐱᕆᐅᑉ ᐊᑯᓐᓂᖓᓂ. ᒪᕐᕉᒃ ᑖᒃᑯᐊᒃ ᓄᓇᓕᐅᔫᒃ ᐊᐅᓚᑕᐅᓚᐅᖅᑑᒃ ᐱᓕᕆᓐᓇᐅᕆᐊᕐᑎᓪᓗᒍ (ᐱᒋᐊᓚᐅᕆᐊᕐᑎᓪᓗᒍ ᐊᒻᒪ ᐱᔭᕆᖅᓯᒪᓕᖅᑎᓪᓗᒍ ᓂᐅᖅᑐᐃᓂᖅ ᖃᐅᔨᓴᖅᑕᐅᔪᓂᒃ) ᐱᔾᔪᑎᒋᓪᓗᒍ ᑲᒪᒋᔭᐅᔭᕆᐊᖃᕐᓂᖓ, ᐊᕙᑎᒥᒃ ᑲᒪᑦᑎᐊᕐᓂᕐᒧᑦ ᐊᒻᒪᓗ ᓇᐅᑦᑎᖅᓱᖅᑕᐅᔭᕆᐊᖃᕐᓂᖓ
- ᓂᐅᖅᑐᐃᓂᖅᑕᒃᓚᕆᓚᐅᖅᐳᖅ ᐃᓚᐅᓪᓗᑎᒃ ᐊᕕᓃᑦ ᓂᐅᖅᑐᖅᑕᐅᔪᑦ ᐊᐃᓇᓕᐅᑉ ᐊᒻᒪ ᓯᑎᐱᕆᐅᑉ ᐊᑯᓐᓂᖓᓂ ᐊᒻᒪᓗ ᑕᑯᓐᓇᒃᑕᐅᓯᓐᓇᑦ ᐱᖁᑎᖏᑦ ᐊᐅᓚᔾᔪᑎᖏᓪᓗ ᐃᖅᑲᓇᐃᔭᕝᕕᐅᔪᒪᔪᓂ ᐃᓚᐅᓪᓗᑎᒃ ᐃᑉᐱᒋᑦᑐᕐᔪᐊᖅ ᐊᒻᒪᓗ ᕿᓐᖑᐊᓂ ᑐᓚᒃᑕᕝᕕᐅᓂᐊᖅᑐᖅ, ᓄᓘᔮ, ᐊᖅᑯᑎᑰᒃᓴᖅ ᐊᒻᒪᓗ ᐃᑎᖅᓴᐃᕝᕕᐅᓂᐊᖅᑐᑦ. ᑲᑎᓕᒫᖅᓗᒋᑦ ᓂᐅᖅᑐᖅᑕᐅᓚᐅᖅᑐᑦ 7 745-ᓂᒃ ᒦᑕᓂᒃ ᑕᑭᓂᖅᑐᑦ ᑲᒪᓗ 517-ᓂᑦ ᐊᖕᒪᖅᓯᓚᐅᖅᓱᑎᒃ ᓂᐅᖅᑐᐃᓪᓗᑎᒃ.
- ᓄᓇᐅᑉ ᖄᖓᓂ ᖃᐅᔨᓴᕐᓂᖅᑕᖃᓚᐅᖅᑐᖅ ᓴᕕᒃᓴᓂᒃ ᕿᓂᓪᓚᕆᒃᓗᑎᒃ ᓇᐃᓴᐅᑎᓕᖕᓂᒃ 3-ᒥᑦ 9-ᒧᑦ. ᕿᓂᕐᑎᓪᓗᒋᑦ ᓄᓇᒥᒃ ᐊᒻᒪᓗ ᐊᓂᖅᓵᖅᐸᖅᑕᖅᑎᓐᓂ ᓂᐱᑦᑕᐅᑎᓂᒃ ᕿᓂᓚᐅᖅᑐᑦ, ᓄᓇᖓᓂᒃ ᑎᑎᕋᐅᔭᖅᓗᑎᑦ ᐊᒻᒪᓗ ᑕᑯᓇᒃᓗᑎᒃ ᐅᔭᕋᖕᓂᐊᖅᑕᐅᓇᔭᖅᑐᓂᒃ.
- ᐊᑐᖅᑕᐅᖏᓐᓇᖅᑐᖅ ᐊᒻᒪᓗ ᑲᒪᒋᔭᐅᖏᓐᓇᖅᓗᓂ ᐃᒋᑕᐅᕙᒃᑐᑦ ᐊᑦᑕᕐᓇᖏᑦᑐᓂᒃ ᐊᒃᑕᕝᕕᒐᓄᑦ ᒪᓕᒃᑕᐅᓪᓗᑎᒃ ᒪᓕᒐᐃᑦ ᐊᒃᑕᕐᓂᕐᒧᑦ ᒪᓕᒐᓇᔭᐅᕙᒃᑐᑦ.
- ᑎᑭᑎᑦᑎᓂᖅ ᐱᖓᓱᓂᒃ ᐅᒥᐊᕐᔪᐊᓂᒃ ᐅᓯᔪᓂᒃ ᐱᕐᑎᓂᒃ, ᐅᖅᓱᐊᓗᖕᒥᒃ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᔪᓇᐊᓕᖕᓂᒃ, ᒪᕐᕌᒃ ᕿᓐᖑᐊᓄᑦ ᐊᒻᒪᓗ ᐊᑕᐅᓯᖅ ᐃᒃᐱᒋᑦᑐᕐᔪᐊᒧᑦ. ᐅᒥᐊᕐᔪᐊᒃᑰᖅᑎᑦᑎᓂᑦ ᐅᖅᓱᐊᓗᖕᒥᒃ (ᑎᖕᒥᓲᖅᓯᐅᑎᓂᒃ ᐊᒻᒪᓗ ᑭᐊᒃᓴᐅᑎᓯᐅᑎᒥᒃ) ᑎᑭᑎᑕᐅᓚᐅᖅᑐᑦ ᑐᓚᒃᑕᕝᕕᖓᓄᑦ ᕿᓐᖑᐊᓃᑦᑐᒧᑦ.

- ᓴᓇᓪᓗᑎᒃ ᐊᖏᖅᑕᐅᓯᒪᔪᒥᒃ ᓄᓇᐅᑉ ᖄᖓᓃᑦᑐᒥᒃ ᓴᕕᕋᔭᖏᒥᒃ ᐅᖅᓱᐊᓗᖃᐅᑎᒥᒃ ᐊᒻᒪᓗ ᐅᖅᓵᕕᐅᖃᑦᑕᕋᔭᖅᑐᒥᒃ ᓄᑖᓂᒃ ᐃᑭᐊᕐᒥᖃᖅᓗᑎᒃ ᓴᓇᔭᐅᑎᐊᖅᓯᒪᔪᓂᒃ ᖁᓐᖑᐊᑕ ᑐᓚᒃᑕᕝᕕᖓᓂ.
- ᖁᓐᖑᐊᓂ ᓄᓇᓕᐅᔪᓂ, ᓂᐅᖅᑐᕐᒥᐅᔪᒥ ᓄᓇᒥ ᐊᒻᒪᓗ ᐃᖅᑲᓇᐃᔭᕝᕕᐅᖃᑦᑕᖅᑐᑦ ᑎᑭᑕᐅᖃᑦᑕᕐᓗᑎᒃ ᖁᓕᒥᒎᓕᖕᓂᒃ ᐊᒻᒪᓗ ᖃᖓᑕᓲᕋᓛᕐᓂᒃ ᐊᒻᒪᓗ ᑕᒪᒃᑯᐊ ᐊᑐᖅᑕᐅᓗᑎᒃ ᐊᕙᑎᒥᒃ ᖃᐅᔨᓴᕈᑕᐅᓗᑎᒃ, ᓄᓇᒥᒃ ᖃᐅᔨᓴᕈᑕᐅᓗᑎ, ᐃᖅᑲᓇᐃᔭᕝᕕᐅᓂᐊᖅᑐᓂᒃ ᖃᐅᓯᓴᕈᑕᐅᓯᓐᓈᑦ.
- ᐱᐅᓯᑎᑦᑎᕙᓪᓕᐊᖏᓐᓇᕐᓗᑎᒃ ᐊᖅᑯᑎᒥᒃ ᖁᓐᖑᐊᓅᓇᐊᖅᓯᒪᔪᒥᒃ ᐊᒻᒪᓗ ᐊᖅᑯᑎᐅᓂᐊᖅᑐᒥᒃ ᓂᐅᕋᐃᕝᕕᖕᒧᑦ ᐊᑦᑕᓇᓯᖁᓇᒍ ᐊᒻᒪᓗ ᐊᕙᑎᒧᑦ ᐊᑦᑕᓇᖅᓯᖁᓇᒍ.
- ᐊᑐᖅᑕᐅᖏᓐᓇᖅᑐᖅ ᐊᒻᒪᓗ ᑲᒪᒋᔭᐅᖏᓐᓇᖅᓗᓂ ᑖᒃᑯᐊ ᑲᐃᕙᑦᑐᑦ ᖁᐱᕈᕋᓗᓄᑦ ᓴᓗᒻᒪᖅᓴᐃᔾᔪᑎᑦ, ᑎᓇᓗᖕᒧᑦ ᓴᓗᒻᒪᖅᓴᐅᑎ ᑕᕝᕙᖓᓕᑦ ᓄᓘᔭᑉ ᓄᓇᓕᖓᓂ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᑲᓐᓂᓕᖅᐸᒃᓗᑎᒃ ᖁᓐᖑᐊᓂ, ᓴᓇᔭᐅᑲᓐᓂᖅᐸᒃᓗᑎᒃ ᐊᒻᒪᓗ ᐱᐅᓯᑎᑕᐅᑲᓐᓂᖅᐸᒃᓗᑎᑦ.
- ᖃᐅᔨᓴᕐᓂᐅᖏᓐᓇᖅᑐᑦ ᐊᒻᒪᓗ ᓴᓇᔭᐅᔫᒃᓴᓄᑦ ᖃᐅᔨᓴᕐᓂᐅᔪᑦ ᐃᑲᔫᑎᖃᕐᓂᐊᖅᑐᑦ ᐋᖅᑭᒃᑕᐅᕙᓪᓕᐊᓂᖓᑕ ᐅᓂᒃᑳᓕᐊᖑᔫᑉ ᑭᖑᓪᓕᖅᐹᖑᔪᒧᑦ ᐊᕙᑎᒥᒃ ᐅᓂᒃᑳᓕᐊᖑᔪᕐᒧᑦ.

ᐊᕙᑎᒥᒃ ᐱᓕᕆᓂᖅ ᑐᕌᒐᖃᓚᐅᖅᐳᖅ ᐱᓕᕆᐊᖑᓇᓱᒃᑐᒧᓄᑦ 2011-ᒥᑦ ᑲᔪᓯᑎᐊᕐᓗᑎᒃ ᒪᓕᖁᔭᐅᔪᓂᒃ ᐊᑐᖅᑕᐅᖁᔭᐅᔪᓂᒃ ᐱᔪᓐᓇᐅᑎᑎᒍᑦ, ᐊᒻᒪᓗ ᑕᐃᒪᓐᖓᓕᒫᖅ ᐱᓕᕆᐊᖑᕙᓪᓕᐊᔪᖅ ᐱᐅᓯᕆᐊᖅᑎᑦᑎᓂᕐᒧᑦ. ᐱᓪᓗᐊᑕᐅᔪᑦ ᐊᕙᑎᒥᒃ ᐱᓕᕆᐊᖑᔪᑦ ᐊᒻᒪᓗ ᑕᐃᒪᓐᖓᒫᖅ ᐱᐅᓯᕆᐊᖅᑎᑕᐅᕙᓪᓕᐊᔪᑦ ᐱᓕᕆᐊᒃᓴᐃᑦ ᐅᔾᔨᕐᓇᖅᑐᒥᒃ ᐱᓕᕆᐊᖑᓚᐅᖅᑐᑦ ᐱᓕᕝᕕᒃᓴᖓᑕ ᐃᓗᐊᓂ ᐃᓚᖃᓚᐅᖅᐳᑦ ᐅᑯᓂᖓ:

- ᑯᕕᔪᖃᑲᓪᓚᖕᓂᕈᓂ ᐱᔭᕇᔭᖅᓯᒪᓂᒃᓴᖅ ᐃᓕᓐᓂᐊᕐᑕᐅᓚᐅᖅᑐᖅ ᑖᒃᑯᓄᖓ ᐸᕙᓐᓚᓐᑯᑦ ᑯᕕᔪᓄᑦ ᐱᓕᕆᔨᐅᔪᓄᑦ ᐊᒻᒪᓗ ᐊᑕᖏᖅᓗᑎᒃ ᐃᖅᑲᓇᐃᔭᖅᑎᐅᔪᑦ ᓄᓇᓕᕋᓛᖑᔪᒥ ᑕᐃᑲᓂ ᐃᓕᓐᓂᐊᕝᕕᖕᒥ ᐊᒻᒪᓗ ᐱᓕᕆᓪᓗᑎᒃ ᑲᑎᒪᓂᕐᓂ. ᐊᕝᕕᓂᓖᑦ (6) ᐅᖃᐅᓯᐅᓚᐅᖅᑐᑦ ᑕᕝᕗᖓ ᓄᓇᕗᒥ ᑯᕕᔪᓄᑦ ᐅᖃᓚᕝᕕᖕᒧᑦ ᐊᒻᒪᓗ ᐊᒃᑐᖅᑕᐅᔪᓄᑦ ᐱᖃᖅᑎᐅᔪᑦ. ᑯᕕᔪᑦ ᑖᒃᑯᐊ ᐊᒃᑐᐃᓂᖃᓗᐊᓚᐅᖏᑦᑐᑦ ᐊᕙᑎᒧᑦ ᓄᓇᒧᑦ ᐊᒻᒪᓘᓐᓃᑦ ᐃᒪᕐᒧᑦ.
- ᖃᐅᔨᓴᖅᑕᐅᓪᓗᑎᒃ ᐅᖅᓱᐊᓗᖃᐅᑎᖏᑦ ᒪᓕᒃᓗᒋᑦ ᑎᑎᕋᕐᓯᒪᔪᑦ ᑲᓇᑕᓕᒫᒥ ᒪᓕᒐᐅᔪᑦ ᓄᓇᐅᑉ ᖄᖓᓂᑐᓄᑦ ᐅᖅᓱᐊᓗᖃᐅᑎᓄᑦ.
- ᑕᒪᒃᑯᓄᖓ ᐅᖅᓱᐊᓗᕈᔪᖕᓄᑦ ᑎᒃᑕᐅᕋᕐᓂᑯᓄᑦ ᐱᓕᕆᔾᔪᑎ ᖁᓐᖑᐊᓃᑦᑐᖅ ᑲᔪᓰᓐᓇᓚᐅᖅᑐᖅ ᐊᒻᒪᓗ ᐅᖅᓱᐊᓗᖕᒧᑦ ᓴᓗᒻᒪᖅᓴᐅᑎ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᖅ ᓴᖅᑮᓪᓗᓂᓗ ᑐᖓᓂᒃᑐᓂᒃ ᓱᕈᐃᔾᔭᐃᒃᑯᑎᓄᑦ ᐃᒪᕐᒧᑦ ᐊᑐᐊᒐᐅᔪᓃᑦᑐᓂᒃ. ᖃᐅᔨᓴᐃᔾᔪᑎ ᓱᓕᔫᓕᖅᑎᑦᑎᓚᐅᖅᑐᖅ ᐊᒻᒪᓗ 1835-ᓂᒃ ᒥᑕᓂᒃ ᐃᒪᕐᒥᒃ ᓴᓗᒻᒪᖅᓴᖅᓯᒪᔪᒥᒃ ᖁᕕᓯᓚᐅᖅᑐᑦ ᖁᓐᖑᐊᓂ. ᓄᓘᔭᖕᓂ ᓄᓇᓕᐅᔪᒥ ᐊᑐᖅᑕᐅᑦᑎᐊᕈᓐᓇᕐᓂᖅᓴᒥᒃ ᓴᖅᑭᑦᑎᓚᐅᖅᑐᑦ ᒥᑭᑦᑐᒥᒃ ᐅᖅᓱᐊᓗᖕᒧᑦ ᓴᓗᒻᒪᖅᓴᐅᑎᒥᒃ ᐅᖅᓱᐊᓗᖕᓄᑦ ᐃᒫᓂᑦᑐᓄᑦ ᓴᓗᒻᒪᖅᓴᐅᔪᒥᒃ (ᐃᒪᐃᓪᓗᐊᖅᑐᒥᒃ 200ᓂᒃ ᒥᑕᓂᒃ ᐊᖏᓂᓕᒃ) ᑲᑎᒃᑐᕕᓂᕐᓂᒃ ᐅᖅᓱᐊᓗᖃᕝᕕᖓᓂ.
- ᐊᑐᖅᑕᐅᓂᐊᖅᑐᒥᒃ ᓴᖅᑭᑎᑦᑎᓚᐅᖅᑐᑦ ᒪᑐᔭᐅᓂᐊᒃᓂᖓᓄᑦ ᖁᓐᖑᐊᓃᑦᑐᖅ ᐅᖅᓱᐊᓗᖃᐅᑎ (ᓇᑲᓲᔭᖑᐊᒃ) ᐊᒻᒪᓗ ᑐᓂᔭᐅᓪᓗᓂ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᓄᑦ ᕿᑭᖅᑕᓂᒃᑯᓐᓄᓪᓗ ᔫᓂ 2011-ᖑᑎᓪᓗᒍ.
- ᖃᓄᐃᓕᖓᓇᔭᕐᓂᖏᓐᓂᒃ ᐊᒻᒪᓗ ᖃᓄᑦ ᐱᓕᕆᐊᖑᓂᐊᕐᒪᖔᑦ ᓴᓗᒻᒪᖅᓴᖅᑕᐅᑎᓪᓗᒍ ᖁᓐᖑᐊᑕ ᐅᖅᓱᐊᓗᖃᐅᑎᖓ ᐋᔭᖅᑕᐅᓂᐊᖅᑎᓪᓗᒍ ᓴᖅᑮᓚᐅᖅᑐᒃ. ᓯᕗᓂᒃᓴᑎᓐᓂ ᓴᓇᔭᐅᓂᐊᖅᑐ ᐊᒻᒪᓗ ᐊᐅᒪᑕᐅᓂᐊᕐᓂᖓ ᓴᓗᒻᒪᖅᓴᐃᕝᕕᐅᓂᐊᖅᑑᑉ ᐅᖅᓱᐊᓗᖕᓄᑦ ᐋᖅᑭᒋᐊᖅᓯᔭᕆᐊᖃᓚᐅᖅᑐᑦ ᐊᔪᖏᔭᑦᔪᑎᒥᑕ ᐃᒪᕐᒧᑦ “B”-ᒥᒃ ᑕᐃᔭᐅᔪᒥᒃ ᐊᒻᒪᓗ ᐊᖏᖅᑕᐅᔭᕆᐊᖃᕐᓗᑎᑦ ᕿᑭᖅᑕᓂᒃᑯᓐᓂ. ᓴᓇᔭᐅᓯᒥᐊᕐᓂᐊᑕᓐ ᓂᕆᐅᒋᔭᐅᔪᖅ 2013-ᒥᑦ.
- ᐱᐅᓯᕆᐊᖅᑎᑦᑎᓪᓗᑎᒃ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯ ᐊᖏᖅᓯᒪᔭᖏᓐᓂᒃ ᑰᒑᓂᒃ ᐃᑲᖅᓯᓂᐅᔪᓂᒃ ᑕᒪᑐᒧᖓ ᐱᐅᓯᕆᐊᖅᑕᐅᓂᖓᓄᑦ ᖁᓐᖑᐊᑕ ᐊᖅᑯᑎᖓ ᐱᔭᕇᖅᑕᓚᐅᖅᑐᖅ 2011-ᖑᑎᓪᓗᒍ.
- ᔫᓂ ᐊᒻᒪᓗ ᓯᑎᐱᕆ 2011 ᐊᑯᓐᓂᖓᓂ, ᑯᕕᓯᔭᖃᓚᐅᖅᑐᖅ ᓴᓗᒻᒪᖅᓴᐃᔾᔪᑎᒥᒃ ᐃᒪᕐᒥᒃ ᓄᓘᔭᖕᓂ ᑕᐃᔭᐅᓯᒪᔪᒧᑦ ᐊᕙᑎᒦᑦᑐᒧᑦ. ᖃᐅᔨᓴᕐᓂᐅᔪᑦ ᓚᓪᓚᑦᑏᕐᓂᐊᖅᐊᓂᒃ ᖃᐅᔨᓚᐅᖅᑐᑦ ᐱᔭᐅᓂᖅᓂᒃ ᐊᒻᒪᓗ 5287-ᖑᓪᓗᐊᖅᑐᑦ ᒦᑕᓂᒃ ᐊᖏᓂᓕᖕᓂᒃ ᑯᕕ.ᐅᓚᐅᖅᑐᖅ (Sheardown) ᑕᓯᖓᓄᑦ.
- ᓇᓗᒻᒪᓴᐃᓂᖅᑕᖃᓚᐅᖅᑐᖅ, ᓄᓇᒥᒃ ᐅᑎᖅᑎᑦᑎᓇᓱᐊᕐᓂᖅ ᖃᓄᐃᓕᖓᓂᖓᓄᑦ ᐋᖅᑭᒃᓱᐃᓚᐅᖅᑐᖅᑦ ᓄᓇᒥᒃ ᐊᒻᒪᓗ ᐅᖅᓱᐊᓗᖕᓂᒃ ᐅᒥᐊᖅᑕᐅᓚᐅᖅᑐᑦ ᖁᓐᖑᐊᓃᑦᑐᑦ.
- ᓴᓂᓚᐅᖅᑐᑦ, ᒥᑭᑦᑐᒥᒃ ᐃᑎᖅᓴᓚᐅᖅᑐᑦ ᓴᐅᓪᓗᓯᓪᓗ 2011-ᒥᒃ ᓂᐅᕐᕈᓯᐊᓚᐅᖅᑐᖅ. ᐱᓕᕆᒃᑲᓐᓂᖅᑐᑦ ᓄᓇᒥᒃ ᖃᓄᐃᓕᖓᓂᖓᓄᑦ ᐅᑎᖅᑎᑦᑎᓇᓱᐊᕐᓂᖅ ᓂᐅᖅᑐᐃᕙᓪᓕᐊᖅᑕᐅᓚᐅᖅᓯᒪᔪᖅ ᐊᓂᒍᖅᑐᓂ ᐊᕐᒍᓂ ᕿᒥᕐᕈᔭᐅᓪᓗᑎᒃ ᐱᐅᓯᕆᐊᖅᑕᐅᓂᐊᕐᓂᖓ.
- ᐊᑦᑕᓇᖅᑐᖅ ᓴᖅᑭᑕᐅᓯᒪᔪᑦ ᐃᖅᑲᓇᐃᔭᕝᕕᐅᓯᒪᓂᖓᓐᓂ ᐊᕝᕕᓂ ᐊᓂᒍᖅᑐᓂ ᔫᖅᑲᖅᑕᐅᓪᓗᑎᒃ ᐊᐅᓪᓚᖅᑎᑕᐅᔪᑦ ᖃᓪᓗᓈᑦ ᓄᓇᖓᓐᓄᑦ ᐃᒡᓗᐃᑦ ᐅᐸᔪᓐᓂᖅᓯᒪᔪᑦ ᐊᑐᖅᑕᐅᓚᐅᖅᓯᒪᔪᑦ.

- ᐃᓕᓐᓂᐊᖅᓯᒪᔪᒧᑦ ᐱᔪᓐᓇᐅᑎᖃᖅᓗᓂᓗ ᓄᓇ.ᕘᒻᒥ ᖃᐅᔨᓴᓚᐅᖅᑐᖅ ᑕᓯᕐᒥᑦ ᓴᓗᒻᒪᖅᓴᐃᕐᕕᐅᕙᒃᑐᒥᒃ ᐊᒻᒪᓗ ᐅᖅᓱᐊᓗᖃᐅᑎᖃᕐᕕᐅᔪᓂᒃ. ᐅᓂᒃᑳᒥᒃ ᓴᖅᑮᓚᐅᖅᑐᖅ ᐊᒻᒪᓗ ᑐᓂᔭᐅᓪᓗᓂ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᓐᓄ ᑕᐃᒃᑯᐊᓗ ᐃᓂᒋᔭᐅᔪᑦ ᓈᒻᒪᖕᓂᖏᓐᓂᒃ ᑕᐃᔭᐅᓚᐅᖅᑯᑦ ᖃᐅᔨᓴᖅᑕᐅᑎᓪᓗᒋᑦ.

2011-ᖑᑎᓪᓗᒍ, ᓄᓈᔭᒃ ᐊᒻᒪᓗ ᕿᓐᖑᐊ ᓄᓇᓕᐅᔪᒃ ᐃᓄᖃᐃᓐᓇᓚᐅᖅᑐᒃ ᐊᕐᕋᒍᓕᒫᖅ, ᓄᓇᒃᑰᕈᑎᑯᑦᑕᒃᓴᐅᑉ ᐃᓂᖓᓂ ᕿᑎᐊᓂ ᓄᓇᓕᐅᔪᖅ ᐃᓄᖃᓚᐅᖏᑦᑐᖅ, ᐊᒻᒪᓗ ᐃᒃᐱᑭᑦᑐᕐᔪᐊᖅ ᓄᓇᓕᐅᔪᖅ ᐃᓄᖃᓚᐅᖅᑐᖅ ᐊᐃᑉᕆᓕᒥᒃ ᓯᑎᐱᕆᒧᑦ. ᐃᒥᕐᒥᒃ ᐊᑐᖅᓗᑎᒃ ᐱᓕᕆᐊᖑᓇᓯᓪᓗᐊᑕᖅᑐᓄᑦ ᐊᑐᖅᑕᐅᓪᓗᓂ ᒪᕿᖕᓄᑦ: ᐃᒥᕆᔭᐅᓪᓗᓂ ᓄᓇᒋᔭᐅᔪᒧᑦ ᐊᒻᒪᓗ ᐃᒥᕆᔭᐅᓪᓗᓂ ᓂᐅᖅᑐᖅᑐᓄᑦ. ᓂᐅᖅᑐᕐᓂᐅᔪᑦ ᖃᐅᔨᓴᕐᓂᐅᓪᓗᑎᒃ ᐊᒻᒪᓗ ᓄᓇᐅᑉ ᑭᓱᖃᕐᓂᖓ.

ᐊᕐᕋᒍᑕᒪᑦ ᕿᒥᕐᕈᓂᐅᔪᓄᑦ ᐊᐅᓚᑦᑎᓂᐅᔪᓄᑦ ᐸᕐᓇᒃᑕᐅᓂᑯᐃᑦ ᓴᓇᔭᐅᓯᒪᔪᑦ ᐊᑕᓂ ᑖᒃᑯᐊ ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑏᑦ ᐱᒋᐊᖅᑎᑕᐅᓯᒪᕗᖅ. ᖃᐅᔨᒋᐊᖅᑎᑦᑎᑲᓐᓂᕈᑎᒃᓴᐃᑦ ᓴᒃᑯᐃᔭᐅᓂᒃᓴᖕᖑᓄᑦ ᐊᒻᒪᓗ ᐱᐅᓯᒋᐊᖅᑎᑕᐅᓂᒃᓴᖕᖑᓄᑦ ᐸᕐᓇᐅᑎᐅᔪᑦ, ᑯᕕᔪᖅᑲᑲᓪᓚᖕᓂᕈᓂ ᐊᑐᐃᓐᓇᐅᔪᑦ ᐸᕐᓇᒃᓯᒪᔪᑦ, ᐱᓕᕆᕝᕕᐅᔪᒥ ᐃᒥᕐᒧᑦ ᐊᐅᓚᑦᑎᕐᒧᑦ ᐸᕐᓇᐅᑎᑦ, ᐊᒻᒪᓗ QA/QC ᐸᕐᓇᒃᑕᐅᓯᒪᔪᑦ ᐱᔭᓈᖅᑕᐅᓯᒪᕗᑦ ᐊᒻᒪᓗ ᐊᖅᑭᒋᐊᕈᑎᒃᓴᐃᑦ ᐸᕐᓇᒃᓯᒪᔪᑦ ᐃᓚᓕᐅᑎᓯᒪᕗᑦ ᑕᕝᕙᓂ ᐃᓛᒃᑯᖓᔪᒥ F ᑖᔅᓯᒧᖓ ᐊᕐᕋᒍᑕᒪᖅ ᐅᓂᒃᑲᓕᐊᒧᑦ.

2011-ᖑᑎᓪᓗᒍ ᐹᕙᓐᓇᓛᓐᑯᑦ ᐃᖅᑲᓇᐃᔭᖅᑎᖃᐃᓐᓇᓚᐅᖅᑐᑦ ᐃᖃᓗᖕᓂ, ᐃᒡᓗᓕᖕᒥ ᐊᒻᒪᓗ ᒥᑦᑎᒪᑕᓕᖕᒥ. ᓄᓇᓕᖕᓄᑦ ᐳᓚᕋᕐᓂᖅ ᐊᒻᒪᓗ ᒐᕙᒪᒃᑯᓐᓂ ᐅᖃᖃᑎᖃᕐᓂᖅ ᑲᔪᓯᓂᖃᑦᑎᐊᓚᐅᖅᑐᖅ. ᐃᓄᓕᒫᖅᑎᑦᑎᓂᖅᑕᖃᖃᑦᑕᓚᐅᖅᑐᖅ, Hᐋᒪᓚᒃᑯᓐᓂ, ᐊᖑᓇᓱᒃᑐᓕᕆᔨᒃᑯᓂ ᐊᒻᒪᓗ ᕿᑭᖅᑕᓂᒃᑯᓐᓂᖖᖅᑐᓂᒃ ᑲᑎᒪᖃᑎᖃᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᒻᒪᓗ ᓄᓇᓕᖕᓂ ᑲᑎᒪᑎᑦᑎᖃᑦᑕᓚᐅᖅᑐᑦ ᐃᒃᐱᐊᕐᔪᖕᒥ, ᑭᓐᖓᕐᓂ, ᑲᖏᖅᑐᒑᐱᒃ, ᓴᓂᕋᔭᒃ, ᐃᒡᓗᓕᒃ, ᑭᒻᒥᕈᑦ ᐊᒻᒪᓗ ᒥᑦᑎᒪᑕᓕᖕᒥᐅᓂᒃ. ᐃᓚᓪᓗᒍ ᐹᕙᓐᓇᓛᓐᑯᑦ ᐃᖅᑲᓇᐃᔭᖅᑎᑖᓚᐅᖅᑐᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐱᓕᕆᐊᖑᔪᒥᒃ ᑲᒪᔨᒥᒃ ᐊᒻᒪᓗ ᐃᖅᑲᓇᐃᔭᖅᑎᑖᒃᑲᓐᓂᖅᓗᑎᒃ ᐃᖃᓗᖕᓃᑦᑐᐃᓐᓇᖅᓂᒃ. ᐹᕙᓐᓇᓛᓐᑯᑦ ᐅᓛᖅᑎᑦᑎᑲᑕᓚᐅᖅᑐᑦ ᓄᓈᔭᖕᓄᑦ ᕿᑭᖅᑖᓗᖕᓂ ᓄᓇᓕᖕᒋᓐᓂᖖᖅᑐᓂ, ᒐᕙᒪᒃᑯᓐᓂᖖᖅᑐᓂᒃ ᐃᓚᐅᓪᓗᑎᒃ ᐳᓛᖅᑕᐅᓪᓗᑎᒃ ᑕᑯᔭᖅᑐᖅᑐᓂᒃ ᒪᓕᒐᓕᕆᔨᓂᒃ ᕿᑭᖅᑕᓂᒃᑯᓐᓂᖖᖅᑐᑦ ᐊᒻᒪᓗ ᓄᓇᒥᒃ ᐃᒪᕐᒥᓪᓗ ᖃᐅᔨᓴᖅᑎᒥᒃ, ᐃᓄᓕᕆᔨᑐᖃᒃᑯᓐᓂᖖᖅᑐᒥᒃ, ᐊᕙᑎᓕᕆᔨᒃᑯᓐᓂᖖᖅᑐᒥᒃ, ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᓐᓂᖖᖅᑐᒥᒃ ᐊᒻᒪᓗ ᐊᓯᕈᓘᔭᖏᓐᓂ.

ᐅᔭᕋᓐᓂᐊᕐᓂᐅᔪᒪᔪᖅ ᑲᔪᓯᕙᓪᓕᐊᔪᖅ ᓄᓇᕘᒻᒥ ᐊᕙᑎᓕᕆᓂᕐᒧᑦ ᑲᑎᒪᔨᖏᓐᓂ ᕿᒥᕐᕈᔭᐅᓪᓗᓂ 2011-ᖑᑎᓪᓗᒍ. ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐊᕙᑎᒧᑦ ᐊᒃᑐᐃᓂᐊᕐᓂᖏᓐᓄᑦ ᐅᓂᒃᑳᖅ ᑐᓂᔭᐅᓚᐅᖅᑐᖅ ᓄᓇᕘᒻᒥ ᐊᕙᑎᓕᕆᓂᕐᒧᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ ᔮᓄᐊᕆ 2011-ᖑᑎᓪᓗᒍ ᐊᒻᒪᓗ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᑭᖑᓪᓕᖅᐹᖑᔪᖅ ᐊᕙᑎᒧᑦ ᐊᒃᑐᐃᓂᐊᕐᓂᖏᓐᓄᑦ ᐅᓂᒃᑳᖅ ᑐᓂᔭᐅᓚᐅᖅᑐᖅ ᓄᓇᕘᒻᒥ ᐊᕙᑎᓕᕆᓂᕐᒧᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ ᕖᕝᕗᐊᕆ ᐊᒻᒪᓗ ᒫᔾᔨ 2011-ᖑᑎᓪᓗᒍ. ᓄᓇᕘᒻᒥ ᐊᕙᑎᓕᕆᓂᕐᒧᑦ ᑲᑎᒪᔨᖏᑦ ᐋᖅᑭᒃᓯᒪᔭᖏᑦ ᒪᓕᓪᓗᒋᑦ ᐱᔪᓐᓇᐅᑎᒥᒃ ᑐᓂᔭᐅᑐᐃᓐᓇᓇᐊᓛᑦ ᐱᖓᓱᑦ ᑭᖑᓪᓕᖅᐹᑦ ᑕᖅᑮᑦ ᐊᑐᓕᖅᐸᑕ 2012-ᖑᓕᕈᓂ.

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE
NUNAVUT WATER BOARD

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2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

SECTION 1.0 - INTRODUCTION

1.1 GENERAL BACKGROUND

This report to the Nunavut Water Board (NWB) has been prepared to summarize the Project activities and monitoring undertaken by Type "B" water licence 2BB-MRY114. Baffinland's water licence 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., runoff from bulk sample pits or storm water from a lined fuel containment berm). This information is summarized on the completed NWB Annual Report Form, included as Appendix A, and described in more detail in the following sections.

Figures 1.1 and 1.2 shows the locations of the key activity areas associated with the Mary River Project. Project activities in 2011 were undertaken at the Milne Inlet Port site (Figure 1.3), along the Milne Inlet Tote Road (Figure 1.4), at the Mary River site (Figure 1.5), along the proposed rail alignment and at the Steensby Inlet Port site (Figure 1.7). There was no activity at the Mid-Rail camp site (Figure 1.6) in 2011 and the camp remained closed and unoccupied for the entire year.

Key activities associated with the Mary River Project (the Project) in 2011 are summarized as follows:

- Maintenance and continuous improvement of the current site safety program
- Year-round operation of the camps at Mary River and Milne Inlet, and a geotechnical drilling program involving up to six drills, between April and September. The two camps were operated in the offseason (before and after the drilling program) on a care and maintenance basis in the interest maintaining site access, environmental compliance, and security.
- A major geotechnical drilling program that involved up to six drills between April and August and focusing on proposed infrastructure at Project development areas including the Steensby and Milne Inlet Port sites, the Mine Site, the railway alignment, and borrow/quarry sites. A total of 7,745 metres were drilled in 517 drillholes.
- An advanced regional exploration program focusing on iron ore deposits Nos. 3 to 9 was conducted. Exploration activities included ground based and airborne magnetic surveys, property scale mapping, and advanced reconnaissance prospecting.
- Continued deposition of non-hazardous wastes into the constructed landfill in accordance with the landfill operations and maintenance manual
- The successful treatment and discharge of oily stormwater water from the Milne Inlet bulk fuel storage facility and storage facilities at Mary River Camp
- Annual resupply of equipment, fuel and consumables on three sealifts; two that arrived at Milne Port and one at Steensby Port. Resupply of fuel (Jet-A and P50 diesel) that arrived on a Milne Port sealift.

- Removal of a number of items from the Project site on the Milne and Steensby Port sealift backhauls, including contractor heavy equipment and hazardous waste destined to licensed recycling/disposal facilities in southern Canada
- Construction of an approved above ground steel fuel storage tank within a new engineered lined containment berm at the Milne Port site
- Transport of needed fuel and supplies stored at Milne Port to the Mary River camp site via the Milne Inlet Tote Road
- Clean-up, reclamation work and resupply of the barrel fuel storage at Steensby Inlet Camp
- Operation of helicopter and fixed wing aircraft to service the Steensby Inlet Camp, geotechnical drilling program and other general site activities, including environmental monitoring and regional exploration and baseline programs
- Inspection of site fuel systems in relation to the CCME guidance documents for above ground fuel storage tank systems
- Continued upgrade of the Milne Inlet Tote Road for the purpose of improving safety and reducing environmental risk
- Continued progressive reclamation of areas of current and past use in association with drilling and bulk sample programs
- Successful discharge of treated sewage stored in PWSP's at Mary River Camp after treatment as required. Two periods of discharge were completed; the first corresponding to freshet (May-June), and the second later in the summer utilizing an approved polishing process.
- Restart of the RBC sewage treatment plant at Milne Inlet, including repair work and upgrades and to allow direct discharge to the receiving environment
- Minor equipment and process upgrades to the RBC sewage treatment plan at the Mary River Camp to improve performance

The Final Environmental Impact Statement (FEIS) for Project development was submitted to the Nunavut Impact Review Board (NIRB) on February 13, 2012, and officially accepted by NIRB on February 29, 2012.

1.2 BRIEF OVERVIEW OF PROJECT ACTIVITIES IN 2011

In 2011, Baffinland continued to undertake programs and activities in support of advancing its Mary River Project. Principal activities involved continued exploration, geotechnical drilling, support of ongoing baseline scientific and engineering studies, as well as ongoing reclamation from the bulk sample program. A summary of activities and regulatory submissions during 2011 are presented in Table 1.1.

The bulk sampling program was successfully completed during 2008 with approximately 113,000 tonnes of direct ship iron ore extracted from Deposit No. 1 and delivered to several European steel companies for consumption in a blast furnace, the initial step in the steel making process. The results from the processing of the bulk sample indicated that the Mary River lump ore was an exceptional blast furnace burden feed due to its outstanding chemical, physical and metallurgical characteristics. The trial cargos have confirmed that once commercial production is achieved, Mary River iron ore will be a sought-after blast furnace feed for many years.

The pre-existing Type "B" water licence 2BB-MRY0710 expired on December 31, 2010. After a three month hiatus, the NWB granted the renewed Type "B" 2BB-MRY114 for the project on April 5, 2011. An administrative oversight caused the delay between the expiry of the pre-existing licence and the issuing of the renewed licence. During the three month interim period between licences, the Mary River Project was on winter care and maintenance with very low numbers of personnel at the site. During that period, Baffinland continued to operate under the terms and conditions of the expired water licence and continued to provide monthly monitoring and status reports to the NWB and other regulators and stakeholders. The project was not reactivated above a care and maintenance level until its renewed water licence was received in early April 2011.

A modification to the renewed water licence was accepted by the NWB in August 2011 that allowed for the construction of an above ground steel tank for P-50 diesel at Milne Inlet and the commencement of decommissioning activities for the existing Milne Inlet bladder farm.

In 2011, the Mary River and Milne Inlet Camps were occupied for the entire year, Mid-Rail Camp was not occupied, and Steensby Inlet Camp was occupied between April and September to support geotechnical drilling activities, as well as baseline scientific and engineering studies. Annual resupply of equipment, fuel and consumables were executed on three sealifts; two that arrived at Milne Port and one at Steensby Port. One of the two sealifts at Milne Port was for resupply of fuel (Jet-A and P50 diesel). Supplies and fuel were transported to the Mary River site from the Milne Inlet Port via the Milne Inlet Tote Road. The sealift backhauls allowed for the removal of a number of items from the Project site including contractor heavy equipment and hazardous waste destined to licensed recycling/disposal facilities in southern Canada. The sealift at the Milne Port also allowed for the delivery of materials and equipment required for the construction of an above ground steel storage tank within engineered new lined engineered containment. The new five million litre tank and ancillary facility will be commissioned in summer 2012 and all diesel fuel currently in the bladders will be transferred to this tank as well as any new fuel delivered in 2012. Site layouts of Milne Inlet Port Site, Mary River, Mid Rail and Steensby Inlet Port Site are shown on Figures 1.3, 1.5, 1.6, and 1.7, respectively.

Ongoing scientific and engineering baseline data collection programs were completed to maintain baseline integrity, fulfill commitments made in Baffinland's Draft Environmental Impact Statement (DEIS) for the Mary River Project (submitted in January 2011).

An advanced regional exploration program was conducted that involved ground based and airborne magnetic surveys, property scale mapping, and advanced reconnaissance prospecting on Deposits Nos. 3 to 9, incl. (refer to Figure 1.2). Additional claims were staked adjacent to newly discovered iron ore deposits Nos. 6 to 9 as well as at other nearby prospects.

During 2011, there was no exploration drilling program, however, the primary activity for the Project involved the support and execution of a major geotechnical drilling program that involved up to six drills. The drilling program focussed on proposed infrastructure at Project development areas including the Steensby and Milne Port sites, the Mine Site, the railway alignment, and borrow/quarry sites. Drilling was completed using LM-55 drill rigs operated by the Boart Longyear Coring Division, modified LF 70 Sonic drill rigs operated by Boart Longyear Sonic Division, and Atlas Copco geotechnical drill rigs operated by Walker Drilling Inc. The drills retrieved NQ sized rock core and one sonic drill retrieved 6" diameter soil

cores. The drilling program was initiated on April 27, 2011, and concluded on August 17, 2011, with a total of 7745 metres drilled in 517 drillholes. Geotechnical drillhole locations, along with water source locations, are presented in Figure 1.9 to 1.21, incl., and drillhole details are provided in Tables 1.3 and 1.4.

Drill cores from the 2011 geotechnical programs were stored in sea containers adjacent to the airstrip in the Mary River camp, sheltered from the weather, or shipped south for further analyses and study.

In addition to the above, there was continued progressive reclamation of areas of current and past use in association with the drilling and bulk sample programs. Section 9.0 summarizes the reclamation efforts undertaken during 2011.

In 2011, Baffinland maintained and operated community liaison offices in Iqaluit, Igloolik, and Pond Inlet and community and government consultation continued at a very high level of effort. Meetings were held with the public, local hamlet officials, local HTOs, local QIA representatives, and/or others in the communities of (listed alphabetically): Arctic Bay, Cape Dorset, Clyde River, Hall Beach, Igloolik, Kimmirut and Pond Inlet. Baffinland also brought local community and government representatives to visit the operations at Mary River.

The Project continued to move through the NIRB environmental review process during 2011. The DEIS for the Mary River Project was prepared in concordance with the applicable NIRB guidelines and was submitted to the NIRB in January 2011. In October, the NIRB held technical meetings in Iqaluit as follow-up to technical comments on the DEIS submitted by stakeholders, and in November Pre-Hearing Conferences were held in Igloolik and Pond Inlet. On December 10, 2011, the NIRB issued its Pre-Hearing Conference Decision Report to Baffinland that prescribed further details regarding the content of the FEIS. Baffinland submitted its Final Environmental Impact Statement (FEIS) to the NIRB on February 13, 2012. NIRB officially accepted the submission on February 29. According to the NIRB schedule of timelines, it is expected that a Project Certificate could be granted during the third quarter of 2012.

For the purposes of further context, the Board is directed to an Annual Report submitted to the Nunavut Impact Review Board[1]

1.3 SUMMARY OF PROJECT PLANS FOR 2012

A detailed Work Plan for 2012 was submitted to regulators including the NWB, QIA, and AANDC in December 2011. This work plan focussed on activities already permitted, as well as applications to proceed with additional non-permitted activities that would have supported the staging of a limited amount of equipment and material for the Steensby Port site. The applications submitted in December 2011 included a type B water licence and Type A land permit application, as well as submission of a Work Program to the QIA. This approach would have provided Baffinland with the flexibility to proceed with limited pioneer development work at Steensby should the Minister of AANDC have rendered a favourable decision on the Project Certificate during the third quarter of 2012. The Nunavut Impact

[1] 2011 Annual Report to the Nunavut Impact Review Board (NIRB). Prepared by Baffinland Iron Mine Corporation, submitted January 31, 2011.

Review Board (NIRB) conducted and issued a screening decision in early March 2012 for the proposed new activities. A major component of the new proposed activities was disallowed (specifically the overwintering of fuel in Steensby Inlet) and this decision rendered the other proposed work activities ineffective and uneconomic. At the time of this report submission, Baffinland is considering the withdrawal of its applications for the new activities during 2012.

As a result of the foregoing, Baffinland will proceed only with activities currently approved under the existing Class B Water Licence 2BB-MRY1114 and other permits during 2012. Specifically, these activities include ongoing drilling of Deposit No. 1 to more fully assess the geochemical and geotechnical characteristics of waste rock within the proposed pit limits, continued advanced regional exploration at Deposits Nos. 6 to 9, incl., ongoing environmental compliance and required reclamation of the site, and continued collection of scientific data for the purpose of maintaining and improving the quality and integrity of existing baseline data. The Project site will continue to achieve compliance with the various regulatory requirements, and maintain community relationships.

In a letter provided to NIRB, dated March 9, Baffinland reiterated its commitment to the development of the Mary River Project and requested that the focus of attention by communities and agencies be on the scheduled review of the Final Environmental Impact Statement (FEIS) that was accepted by the NIRB Board on February 29th. Furthermore, Baffinland is committed to the ongoing collection of baseline information this spring and summer (e.g., marine, archaeological, geochemical) as had been discussed during the review of the Draft Environmental Impact Statement.

Currently, it is anticipated that the 2012 field work program would include the following items that are currently approved under existing authorizations/NIRB screening decisions:

- Maintenance and continuous improvement of the current site safety program
- Continued occupation of the Mary River and Milne Inlet camps throughout 2012 and seasonal occupation of Steensby Inlet. Mid-Rail Camp will remain unoccupied throughout 2012
- Fixed wing aircraft and helicopter to support general site activities including environmental monitoring and ongoing environmental/geotechnical drilling at Deposit No. 1, regional exploration for outlying areas, and scientific data collection to support ongoing integrity of baseline programs
- Ongoing surface exploration on Baffinland's exploration lands including on Deposits Nos. 6 to 9, incl.
- Continue archaeological surveys at project component areas as required
- Follow up on the requirements pursuant to the Fisheries Authorization for the Tote Road Not Net Loss and Monitoring Program, QIA lease, and INAC land permit and quarry permit requirements
- Implementation of a freshet management plan for the Milne Inlet Tote Road to minimize associated environmental risks
- Continued progressive reclamation of areas of current and past use in association with drilling, bulk sample, and historical exploration programs
- Sealift resupply at Milne Port and possibly Steensby Port including supplies and equipment to support ongoing permitted activities
- Transport of needed fuel and supplies stored at Milne Inlet to the Mary River Camp to support the existing permitted activities
- Commencement of decommissioning of the Milne Inlet fuel bladder storage area that involves the commissioning of the new five million litre steel tank and ancillary facilities and the transfer of

remaining P-50 diesel from the bladder farm to the steel tank. The Jet-A fuel currently stored in bladders will remain there for another year.

- 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 Inlet and Steensby Inlet
- Continued deposition of non-hazardous wastes into the constructed landfill in accordance with the landfill operations and maintenance manual
- Continued implementation of treatment methodologies utilized for the separation of oil and waste from stormwater that is resident in the engineered lined fuel storage containment and hazardous waste areas at Milne Inlet and Mary River
- Discharge of treated sewage stored in PWSPs at Mary River Camp and Milne Inlet after treatment as required. Two periods of discharge are planned, the first corresponding to freshet (May-June), and the second later in the summer if required.
- Continue archaeological surveys at project component areas as required
- Other scientific and engineering studies would be undertaken in support of ongoing baseline and engineering data collection as required from the Project FEIS. These studies could include:
  - Winter Marine mammal survey in Hudson Strait (currently underway)
  - Benthic work to support HADD determination
  - Ongoing raptor surveys
  - Shoreline bird nest surveys
  - Support for GN's caribou winter survey by enabling GN personnel to stay at Mary River camp for several days in April and or May
  - Lichen baseline work for determining metal concentrations
  - Support for Environment Canada's marine bird work by purchasing transmitters
  - Water and sediment sampling to support future Aquatic Effects Monitoring Program
  - Marine benthic, fisheries, bathymetry, and geophysical bottom profiling studies that will be based out of a research vessel in Steensby Inlet
- Other baseline scientific and engineering programs as deemed necessary to support the Project

SECTION 2.0 - WATER USE AND WASTE DISPOSAL ACTIVITIES

2.1 WATER USE

During 2011, fresh water was withdrawn to sustain two key activities: water supply (potable and otherwise) for camp use and water supply for geotechnical drilling operations. The following sections describe water use and the associated sources thereof.

2.1.1 Methods of Obtaining Freshwater for Potable Use and Quantities of Water Used (Part B, Item 6 [a])

Approved water take locations for the various camps are shown on Figures 1.4, 1.5, 1.6 and 1.7 respectively.

Potable water supply for the Mary River camp was obtained using an electric and back-up diesel pumps positioned adjacent to the shoreline of Camp Lake (MRY-1). Water was pumped directly from the lake source to water storage tanks located at the camp. Prior to consumption, potable water at each camp was treated with filtration and UV disinfection. Pump intakes were screened in accordance with the Department of Fisheries and Oceans Freshwater Intake End-of-Pipe Fish Screen Guideline[2] (DFO Guideline) to prevent entrapment of fish as per Part C, Item 5.

In 2011, potable water was supplied to the Milne Inlet camp utilizing a water truck to deliver water to the camp via the Milne Inlet Tote Road from a location at km 32 lake (MRY-3). However, when the camp population numbers were reduced at Milne Inlet camp such as during the winter care and maintenance periods, potable water (after treatment) was supplied from the Mary River camp.

During 2011, Steensby Inlet camp potable water came from an unnamed lake approximately 3 km east of the camp. During this period, potable water was supplied to the camp from the above referenced lake by means gas powered pumps and plastic pipe supply line, and on occasion via the use of helicopter transport and bambi bucket.

Mid Rail camp was unoccupied during 2011. When the camp is occupied, potable water is supplied from an unnamed lake adjacent to the camp.

In 2011, there were no exceedances of the daily water withdrawal limit of 60 m^3/day for camp use. Table 2.1 summarizes daily, monthly and annual volumes of water (potable and otherwise) used in camps during 2011.

2.1.2 Methods of Obtaining Freshwater for Drilling and Quantities of Freshwater Used (Part B, Item 6 [b])

During 2011, there was no exploration drilling program, however, a major geotechnical drilling program was undertaken in support of the proposed railway alignment to Steensby Inlet. Drilling was completed

[2] Department of Fisheries and Oceans. Freshwater Intake End-of-Pipe Fish Screen Guideline. 1995

using up to six drill rigs, including: two LM-55 drill rigs operated by the Boart Longyear Coring Division; two modified LF 70 Sonic drill rigs which were operated by Boart Longyear Sonic Division; and, one Diedrich D-50 and one Atlas Copco 1000 geotechnical drill rigs operated by Walker Drilling Inc. The drills retrieved NQ sized rock core and one sonic drill retrieved 6" diameter soil cores.

The drills were mainly supported and transported along the rail alignment by means of helicopters. For infrastructure holes in the vicinity of the Milne Inlet Camp, Steensby Inlet Camp and Mary River Camps, as well as for the portion of the program that was conducted on the sea ice in Steensby Inlet, the drills were moved by means of front end loader. The drilling program was initiated on April 27, 2011, and concluded on August 17, 2011, with a total of 7745 metres drilled in 517 drillholes (refer to Tables 1.3 and 1.4).

For the portion of the drilling conducted on land, near water bodies, or on lake/stream ice, freshwater was obtained from local surface water bodies near to the respective drill hole. The water was pumped using John Bean diesel piston pumps and was delivered to the drills via rubber waterlines laid out over the ground surface. Throughout the drilling, the associated fresh water bodies were monitored to ensure no observable drawdown. Table 2.2 summarizes the monthly and annual quantities of fresh water used for drilling activities. Exceedances of the allowable fresh water consumption of 325 m^3/day for drilling did not occur during 2011. For the drilling that was conducted on sea ice in Steensby Inlet, seawater was used for the purposes of drilling and was obtained near the collar locations for each drillhole.

2.2 SEWAGE, WASTE AND GREYWATER MANAGEMENT

2.2.1 Sewage and Grey Water Management

Mechanical Waste Water Treatment Facilities (WWTFs) service the Mary River and Milne Inlet camps. These pre-engineered and packaged plants utilize fixed-film rotating biological contactor (RBC) technology followed by ultraviolet disinfection to treat the influent domestic waste to criteria stipulated by the water licence and target levels presented in the approved Waste Water Management Plan[3]. At both locations, polishing waste stabilization ponds (PWSPs) are in place to receive treated sewage not meeting criteria for direct discharge to the receiving environment.

During 2011, a mechanical sewage treatment plant continued to service the Mary River camp. This pre-engineered and packaged plant utilizes fixed-film rotating biological contactor (RBC) technology followed by ultraviolet disinfection to treat the influent domestic waste. Polishing/Waste Stabilization Ponds (PWSPs) are in place to receive treated sewage not meeting criteria for direct discharge to the receiving environment at Mary River.

The Milne Inlet Camp RBC was operational during the 2011 field season. The Milne RBC services the Shanco camp and was re-commissioned in early June 2011 and operated until mid-October 10, 2011. During this period the camp was occupied by 20-70 people. During the months of October 2010 - June 2011 the camp was occupied by two personnel. During this off-season period,

[3] Baffinland Iron Mines Corporation – Mary River Project: Waste Water Management Plan – Revision 2, under Water Licence 2BB-MRY1114, Part D, Item 16, dated March 31, 2010. Plan approved by the NWB on April 5, 2011.

a "Pacto" system (commercially purchased latrine toilets) was utilized. Waste generated by the Pacto system was disposed of in the camp incinerator.

The Steensby Inlet Camp operated from mid-April to mid-September 2011. During the camp start-up phase, the "Pacto" system was used to collect solid human waste. Liquid human waste was disposed in a urine pit which was subsequently backfilled. The bagged solid waste from the Pacto system was burned in the camp incinerator. As the project progressed over the course of the summer, a latrine system was constructed with all human waste including solids and liquids collected in the overpack drums, stored in hazardous containment berms and sent off site for disposal in Southern Canada on the sea lift backhaul.

The SNP requires the monitoring of sewage effluent quality and quantity discharged to the receiving environment.

The RBC system at Milne Inlet was re-commissioned in June 2011 and after meeting water licence discharge requirements in August, effluent was discharged to Milne Inlet via a drainage ditch. The treated water was sampled and stored in a temporary final effluent holding tank prior to discharge. Compliance with water licence criteria enabled direct discharge to the receiving environment for the majority of the 2011 operating season with intermittent periods where effluent not meeting discharge criteria was directed to the PWSP or transported overland via tanker truck to the Mary River Camp where it was treated by the Mary River RBC.

The RBC system at Mary River was commissioned in February 2008 concurrent with the commissioning of the new all-season camp. Although effluent produced from the Mary River RBC has been in spec for long periods of time, there have been challenges with consistency. Baffinland has recognized the need for conservatism and has discharged all treated effluent at Mary River to the PWSPs for confirmatory testing and, if required polishing treatment, prior to final discharge to Sheardown Lake.

During 2010, due to the excess capacity within the PWSPs, and the continued conservative approach to discharge, all treated sewage effluent was discharged to the PWSPs. In the spring of 2011 the PWSP's were sampled for water licence effluent parameters. The treated water stored in PWSP No. 3 met the effluent criteria and approximately 1,765 m^3 of treated effluent was discharged to Sheardown Lake in June 2011 during the spring freshet. All effluent discharge from the PWSPs met Water Licence effluent criteria.

The discharge and monitoring plan for treated sewage that was developed and implemented for effluent stored in the PWSPs located at the Mary River Camp in 2009 was used to develop the 2011 summer discharge plan. Commencing August 21, 2011, the water in PWSP No. 2 and PWSP No. 3 was treated and discharged following implementation of the monitoring plan. During the period of August 21, 2011 to September 5, 2011 approximately 3,522 m^3 of treated effluent was discharged to Sheardown Lake after PWSP effluent polishing treatment. All effluent discharge from the PWSPs met Water Licence effluent criteria.

An ambient water quality monitoring program for Sheardown Lake involving plume delineation subsequent to periods of treated sewage discharge using field parameters and more detailed water

quality sampling at established stations was conducted and is ongoing. Water quality results for 2011 showed no indications of the presence of a plume in Sheardown Lake near the outfall location or downstream. In addition, water quality parameters were similar to previous years and pre-discharge baseline conditions. An under ice water quality monitoring program will be completed in late April and early May 2012 to assess post-discharge conditions during the spring under-ice season. The under ice sampling program was not conducted in 2011 due to malfunctioning field equipment that was not repaired on time and the fact that there was no treated sewage discharge during the 2010 season, and hence, no likely impact to Sheardown Lake.

In response to operating experience since 2008, Baffinland continues to review the Mary River RBC system with the aim of consistently meeting discharge requirements. It is recognized that an appropriate discharge and monitoring plan for partially treated effluent was effectively developed and executed during 2009 and 2011. Continuation of this plan throughout 2012 and beyond may be an appropriate and protective method for ongoing treatment and discharge of treated effluent at the Mary River Camp.

Small quantities of grey water were generated at the Milne Inlet camp during the off season and at the Steensby camp during the April to September period when the camp was occupied. At Milne, grey water was directed to the WWTF from June to October. From January to June, and October to December, a small leach pit located adjacent to the camp was used for this purpose. The small amount of grey water generated at Steensby camp was also directed to a leach pit located adjacent to the tent camp during the period of operation in 2011.

2.2.2 Treated Sewage Effluent Discharged at Wastewater Treatment Facilities (WWTFs) and Any Waters Discharged From PWSPs (Part B, Item 6 [c])

The monthly and annual quantities of treated sewage effluent discharged at the Mary River and Milne Inlet camp WTTF's (Monitoring Stations MRY-4 and MRY-5) during 2011 are presented in Table 2.3.

2.2.3 Sludge Removed From WWTFs (Part B, Item 6 [])

Sludge was removed periodically from the Mary River WWTF. During 2011, all sludge was transferred to PWSP No. 1. The volumes of removed sludge are provided in Table 2.3.

2.2.4 Solid Non-Hazardous and Hazardous Waste Management

Camp Incinerators and Waste Audit

In 2011, the Mary River camp incinerator was operated regularly throughout the year and the Milne Inlet Camp incinerator was active intermittently. The Steensby Inlet Camp incinerator was operated from April to September, when the camp was open.

Incinerator testing at the Mary River Camp during the 2007 to 2009 period revealed elevated levels of dioxin and furans above CCME guidelines, but levels were likely similar to other remote mining sites in Northern Canada. To address this situation, Baffinland retained RWDI Air Inc. in 2010 to conduct a

review of incinerator results to date and to provide recommendations. The resulting report was included with the 2010 NIRB Annual Report. One of the key recommendations of the study was to ensure that the waste stream to be incinerated is accurately estimated. This recommendation is consistent with Environment Canada and Government of Nunavut guidelines that suggest conducting waste audits to identify waste generation rates, waste distribution, and potential waste reduction measures.

Therefore, during 2011, a major effort was undertaken to review and improve waste management practices. Waste management documentation was redeveloped for the Project and strategies involving handling, storage, transportation, and disposal of waste generated by Project activities were reviewed and revised/enhanced as appropriate. A three-day waste audit at the Mary River Camp focused on incinerated non-hazardous camp wastes was undertaken. The methodology, results, and recommendations of this study are presented in Appendix B.1 of this report. The results can be scaled to optimize future waste management practices and assist in the proper selection of waste disposal equipment. As the project moves through the approval process and progresses into construction phase, existing incinerators and associated equipment at site will be replaced as appropriate, taking into consideration site operational experience to date. In the interim, to address ongoing incinerator operations and emissions at site, additional training and procedures were implemented in 2011 to help improve operating conditions and reduce potential dioxin and furan emissions.

The three day waste audit was conducted in August. The main results of the waste audit report (Appendix B.1) indicate that the average waste generation rate per person is 1.61 kg/day, slightly higher than typical Canadian residential rates, but relatively lower than expected for a typical mining camp. The distribution of the main waste components shows a similar pattern to other remote locations, but bears differences also that may influence incinerator operation. These differences include: lower content of inert waste, higher content of paper products and of plastic and marked differences in waste content among workplaces. These conditions may result in higher than wanted incinerator waste load heating values. The main recommendations to come from this study are to standardize waste loads, to revise the incinerator procedure to include a standardized incinerator operation log (that demonstrates appropriate operations), and to reduce paper and plastic content from the waste composition.

Other Waste Management Initiatives

During 2011 a guidance document was developed in the form of a straightforward handout, a tool for supervisors and employees alike (refer to Appendix B.2). Its aim is to define on-site waste management rules, personnel responsibilities, and waste materials per disposal method. The document also addresses specific processes for the main hazardous materials found onsite. Frequent training sessions were provided for all on-site personnel so that they could become more familiar with Baffinland's waste management strategy and procedures. In addition, every employee on site receives this information during their initial site orientation.

The recovery of energy from waste is another important level of waste minimization. As camp sites are dependent on imported fossil fuel energy sources, energy produced from waste materials can make environmental sense by reducing imported energy needs and by reducing waste shipments and disposal. The biggest current energy recovery from waste is from waste diesel or aviation fuels, which are used as heating fuels for some facilities at the Mary River and Milne Inlet Camps.

During 2011, dedicated waste sorting locations were established in lined containment areas at the Mary River and Milne Inlet Camps to ensure adequate and secure segregation of waste materials.

Non Hazardous Landfill

Debris consisting of inert materials that were generated by site-wide activities was sorted and disposed of in the landfill facility in accordance with the landfill operations manual. The key points regarding waste segregation and procedures related to disposal of inert material in the landfill were routinely communicated to all camp personnel. These training initiatives coupled with periodic landfill monitoring activities were important tools in minimizing environmental incidents related to landfill operations. In addition, a new gate installed on the landfill access road was an improvement that restricted unauthorized personnel from having access to the landfill site. As of October 2011, the total in situ volume of waste deposited in the landfill was approximately 4,130 m^3, of which 3,910 m^3 was deposited in 2010 and a further 220 m^3 deposited as of September 2011.

Hazardous Waste Materials Handling and Disposal

Baffinland and Qikiqtaaluk Environmental Inc. (QE) prepared an inventory of hazardous waste and other materials that had been generated and stored within engineered containment at Mary River, Milne Inlet, and Steensby Inlet Camps for the period since the 2010 sea lift. This waste also included some minor residual material from the 2007-2008 bulk-sample programs.

The waste was packaged, manifested, and transported via sea-lift from Milne Inlet and Steensby Inlet to licensed waste management facilities in Southern Canada (Appendix B.3). Additional hazardous materials that remain or are being generated by on-going operations will be incorporated into future reclamation plans.

Figures 1.3, 1.5, 1.6, and 1.7 show the locations for the following waste management facilities at Milne Inlet, Mary River, Mid-Rail, and Steensby Inlet camps, respectively:

- Camp incinerators
- Landfill and access road
- Lined hazardous waste containment areas

Table 2.4 provides coordinates for various temporary and permanent waste storage areas.

2.2.5 Drill Waste

For geotechnical drilling activities, natural depressions located in the vicinity of drill holes were utilized to intercept/settle drill wastes including drill cuttings and drill water as needed. Also, the temporary installation of silt fences or berms and the process of natural filtration through the tundra were also used to intercept drill wastes and settle turbid water. These control measures were employed to allow for the settlement of silt and other solids prior to the drill water flowing further down the watercourse. Once the drill hole was completed, control measures that were employed were removed. Only minor quantities of

salt were used during geotechnical drilling as an aid to prevent freezing in of holes that were left open for longer than normal periods of time. There was no exploration drilling undertaken in 2011, hence the potential of discharge of major ions to receiving waters originating from salt use in drill water was low.

Major ion release from exploration drilling has been a concern in the past, specifically for the drainage to Mary River from Deposits Nos. 1 to 3. Major ions have been reported for Mary River upstream and downstream of Deposits Nos. 1 to 3 since 2008. The major ion results for 2011 are presented in Appendix D and sample locations are shown in Figure 1.8. The results indicate that major ion concentrations in Mary River have stabilized.

2.3 WATER QUALITY OF WATER LICENCE MONITORING LOCATIONS

Results from the Surveillance Network Program (SNP) were provided in monthly reports to the NWB, in accordance with the terms of the licence. SNP monitoring locations are presented in Figures 1.4 and Table 2.5 and water quality results for these locations are provided in Table 2.6. A mix-up in the labelling of new SNP water quality stations specified in Water Licence 2BB-MRY1114 led to a request for errata submitted to the NWB in December 2011.[4] The request submission is presented as Appendix E.3. At the time this report was submitted, NWB staff were committed to resolving this item.

2.3.1 Raw Water

The quantity of water used in 2011 and reported monthly to the NWB was measured at each of its sources using flow meters, truck counts, or tank counts depending on the location. The total water used was monitored for compliance with the maximum quantities for various uses stipulated by the Water Licence. The importance of water conservation was one area of focus in training and awareness sessions delivered by supervisors to employees and contractors throughout 2011.

Monitoring results confirmed compliance with the water licence for the water usage volumes in 2011.

2.3.2 Sewage Disposal

Mary River Camp

During 2011, treated effluent from the Mary River RBC (MRY-4) continued to be discharged to the PWSPs Nos. 2 and 3. Although the treated sewage met the water licence criteria established for direct discharge to the receiving environment (Sheardown Lake) for much of 2011, treated effluent continued to be discharges to the PWSPs as a conservative measure. In accordance with the PWSP treatment and discharge strategy as presented in the approved Wastewater Management Plan (WWMP)[5], treated

[4] When the renewed licence was issued in April 2011, two new SNP monitoring stations were included that corresponded to locations downstream of the landfill. These new locations included MRY-11a and 11b. The pre-existing SNP locations MRY-11 and MRY-12 were then renamed MRY-12 and MRY-13. This convention as applied to the licence has the potential to cause problems for the historical SNP monitoring station database. The protocol followed at site suring 2011 and the errata request being put forward is that the new SNP stations currently known as MRY-11a and MRY-11-b should be changed to MRY-13a and MRY-13b. All other pre-existing SNP stations would remain the same as in the expired Water Licence 2BB-MRY0710.

[5] Baffinland Iron Mines Corporation – Mary River Project: Waste Water Management Plan - Revision 2, dated March 31, 2010. Plan approved by the NWB on April 5, 2011.

effluent stored in PWSPs No. 2 (MRY-4b) and PWSP No. 3 (MRY-4c) was discharged to Sheardown Lake via the constructed pipeline and outfall. Treated effluent from MRY-4b and MRY-4c was sampled during treatment and discharge in accordance with water licence requirements and the approved WWMP. The discharge from MRY-4b and MRY-4c was below or within prescribed water licence criteria and was acutely non-toxic[6].

Milne Inlet Camp

Treated sewage effluent stored in the PWSP at Milne Inlet (MRY-5a) did not meet discharge requirements due to high solids content and pH from algae blooms. To lower the effluent level in the Milne Inlet PWSP, a small quantity of effluent (159 m^3) was transported to the PWSPs at Mary River camp via tanker truck in late June and early July where it subsequently underwent further treatment. The Milne Inlet RBC was operational from June until mid-October 2011. The discharge from MRY-5 was below or within prescribed water licence criteria for the majority of the 2011 operating season except during periods when there were mechanical failures. During these periods, there was no discharge to the receiving environment and effluent was stored and sampled prior to discharge.

2.3.3 Storm Water from Containment Areas

Prior to its discharge from the lined containment areas servicing the bulk fuel storage facilities at Milne Inlet and Mary River, the water licence requires that any accumulated stormwater from rain and snow meets specified discharge criteria. Criteria have been established in the water licence to protect receiving waters from the discharge of residual hydrocarbons that may be present.

Similar to 2010, a large volume of stormwater accumulated in the Milne Inlet containment area due primarily to snow melt and summer rainfall. During 2011, a total volume of over one million litres had collected. This stormwater volume was treated by means of an enhanced oil/water separation system that Baffinland commissioned and operated in 2010.

The Milne Oily Water Treatment System (OWS) design adopted for the 2011 operating season was the same as what was used in 2010. The treatment system consists of a large oil-water separator, a dissolved air floatation cell, a nanofiltration treatment process and adsorptive media filtration. The clay adsorption media and activated carbon adsorption media that were originally specified for treatment were used as the polishing process for the treatment system. During 2011, the clay and activated carbon adsorption media were increased in quantity to increase the process flowrate and were employed following the nanofiltration process for redundant treatment of readily absorbable light-end hydrocarbons.

In late June 2011, the upgraded stormwater treatment system at Milne Inlet Camp commenced operation. The treatment system effectively removed the organic constituents of 'oil and grease' to "non-detect" concentrations which were acceptable for discharge. Only one sample result was reported in excess of the water licence criteria for total oil and grease. In consideration that there was no physical damage to the nanofiltration membranes at any time during the operating season, and also due to the theoretical operating principle associated with the membrane process and the inability to reproduce the sample

[6] Toxicity testing samples were collected and analyzed in accordance with Environment Canada's Environmental Protection Series Biological Test Methods EPS/1/RM/13 and EPS/1/RM/14 for acute lethality to Rainbow Trout and Daphnia magna.

result, it was determined that contamination of the sampling bottles or a handling error at the lab was the cause of the single erroneous sample result. Analysis of the total oil and grease (TOG) concentration using the field TOG analyser was completed on a duplicate sample and was found to be non-detect prior to submission of the sample to the off-site laboratory. Therefore, the monitoring plan confirmed compliance with the water licence throughout the operating season and approximately 1835 m^3 of water was released to the receiving environment (a drainage ditch that discharges to Milne Inlet).

The OWS treatment system worked as designed to achieve a very high quality treated effluent. However, the organic "animal/vegetable" hydrocarbon present in the impacted stormwater acted as a foulant on the nanofiltration membrane and reduced the throughput of the membranes. The foulant became more persistent over the course of the summer as daylight hours and water temperatures increased. The treatment system discharged the impounded meltwater from 2011 and managed to treat an additional 950 m^3 of stored stormwater and residual from 2010 treatment. The treatment system was shut down on August 25, 2011 due to decreased system throughput and to allow time to winterize the system for the 2012 operating season.

A project is underway to treat and reduce the volume of residual and concentrated hydrocarbons collected as part of the separation steps of the above multi-barrier treatment system. The residuals are currently stored in a number of bladders within the Milne Bulk Fuel Facility. The residual produced by the membrane process has elevated levels of TOG and will be treated where feasible in 2012. The balance of the residual may be sent for offsite disposal on the 2013 sealift.

At the Mary River Camp, a relatively small quantity of hydrocarbon impacted water (approximately 200 m^3) from the Mary River Bulk Fuel Facility was treated and discharged to the adjacent land. The treatment system utilized a granular adsorbent clay media and an activated carbon treatment system. Discharge from the system was released to the adjacent ground surface and effluent infiltrated into the soils. There was no direct discharge or pathway to the receiving environment; the nearest aquatic receiving environment was located more than one kilometre to the south (Sheardown Lake). The sample results for all of the treated water analysis for the Mary River containment berm treatment were below the water licence effluent criteria.

2.3.4 Seepage

The water licence also requires that surface run-off/seepage from the bulk sample pit, waste rock, and ore stockpiles are monitored monthly during periods of flow and meets specified water quality criteria. Seepage downgradient of the landfill was also monitored at two locations. In 2011, there was little discernible surface discharge from many of these areas due to a combination of dryer conditions than typical for the Project area, porous soils, and the likely cold temperatures within ore and waste rock piles that would tend to freeze infiltrating precipitation. After each major rainfall event in the summer, areas down gradient from the pit and ore/waste stockpiles were monitored for potential seepage and runoff flows. Based on observed conditions during the summer of 2011, surface water/seepage discharge samples were obtained from sample stations MRY-9, MRY-10, MRY-11 and MRY-13. One sampling event was possible for MRY-10 and MRY-9, MRY-11 and MRY-13 were sampled on three occasions respectively. No surface flows were observed from MRY-12. A summary of observed conditions is provided below:

- Station MRY-9 represents water flow/seepage from the bulk sample pit. During 2011, standing water with very minor flows was observed and samples were collected on June 24th, July 13th and August 17th.
- Station MRY-10 represents the samples collected from the weathered ore stockpile located adjacent to the bulk sample pit. The stockpile is located near an existing drainage pathway and water naturally collects there. The samples represent surface runoff from the general area with a minor run-off/seepage component from the stockpile. In 2011, two samples were collect from this location on June 24th and June 27th.
- Station MRY-11 represents surface runoff from the coarse and fine ore stockpiles at Mary River. Test pit sumps were constructed for the purpose of sampling, therefore the results originated from standing water in the constructed pits and did not represent surface flows. Samples were collected for analysis on June 24th, July 14th and on August 16th.
- Station MRY-12 represents runoff/seepage originating from the Milne ore stockpile. No surface/seepage flows were observed during 2011 due to dry conditions and porous soils
- Stations MRY-13a and 13b represent the surface runoff sample locations (upstream and downstream, respectively) from the Mary River Landfill, constructed in 2010. In 2011, samples were obtained from one or both of these locations on June 27th, July 16th and August 16th

Water licence monitoring results for MRY9 to MRY-13 met most licence effluent criteria during the 2011 season. An exception was a one-time pH result of 4.92 collected early in the year at MRY-9. This result was considered anomalous and was not repeated in subsequent samples. Based on a review of other parameters analyzed, there was no indication of ARD onset. There are no receiving water bodies near this location. Analytical results from seepage sample analyses can be found in Table 2.6.

SECTION 3.0 - CONSTRUCTION ACTIVITIES (PART B, ITEM 6 [E])

Most major infrastructure construction improvements to support Project programs were undertaken during 2007 and 2008, including expansion of the Mary River camp, upgrades to the existing Steensby camp and development of the Mid-Rail camp. As-built plans and drawings for these improvements were presented previously in Annual Reports to the NWB from 2007 to 2010, submitted in March of each year.

Two key projects were advanced during 2011. These included the construction of the new above ground steel fuel storage tank for P-50 diesel at Milne Inlet camp and the ongoing work related to the design of a landfarm for the treatment of hydrocarbon contaminated soils also at Milne Inlet camp.

The sealift to Milne Port allowed for the delivery of materials and equipment required for the construction of an above ground steel storage tank within new engineered lined containment. The new 5 million litre P-50 diesel tank and ancillary facilities will be commissioned in 2012 and all P-50 diesel fuel currently stored in the bladders will be transferred to this tank. A modification to the type "B" water licence for the Project was issued by the NWB in August 2011 to allow for the construction of one-five million litre steel above ground storage tank and ancillary facilities at Milne Port. With its application for the modification, Baffinland also submitted an action plan for the decommissioning of the existing fuel bladder farm[7]. The as-built report for the fuel facility was submitted to the NWB and QIA in February and is reproduced electronically in Appendix C.1 of this report. A copy of the letter from the NWB authorizing the water licence modification is presented in Appendix E.1.

EBA Engineering Consultants Ltd. was retained to develop a conceptual design and management plan for a land farming bioremediation facility to be located at Milne Inlet. At this time preliminary designs and management plans were complete and final design was underway. The future construction and operation of the landfarm facility will require an amendment to the existing type "B" water licence and approval from the QIA. Construction of the landfarm is planned for 2012.

Under Part D, Item 19, of the water licence, there is a requirement to ensure the proper function of earthworks associated with waste disposal facilities at the Mary River and Milne Inlet camps such as the PWSP cells, bulk fuel storage and ancillary fuel facilities. A geotechnical inspection, performed annually, is required to be performed by a geotechnical engineer registered in Nunavut. The annual inspection report was submitted to the NWB and QIA in October 2011. A copy of this report along with Baffinland's cover letter is included in Appendix C.2.

In addition to the regulatory inspections from various agencies, Baffinland commissioned a code compliance inspection and report on its bulk fuel storage and ancillary facilities. This report details the requirements of the CCME guidance document "Aboveground Storage Tank Systems for Petroleum and Allied Petroleum Products (2003) and provides an assessment as whether these requirements have been met by Baffinland at its Milne Inlet and Mary River camps. The results of the inspection indicated that the facilities meet the requirements of the CCME code. The report is provided in Appendix E.4.

[7] Action Plan for Decommissioning of Milne Inlet Bulk Fuel Storage Facility and the Construction of New Fuel Tank Storage, Notification for Water Licence Modification Type B Water Licence 2BB-MRY1114, Mary River Project, submission from Baffinland to the NWB and QIA, dated June 21, 2011.

SECTION 4.0 - GEOCHEMICAL ANALYSIS OF CORE (PART B, ITEM 6 [F])

Predictions with regard to ARD/ML of residual waste rock and ore produced during the bulk sampling program were made prior to the initiation of the Bulk Sampling Program and were detailed in the Bulk Sampling Management Plan[8]. Based on the results of that work, the risk of ARD and ML was considered to be very unlikely for the Bulk Sampling Program. To help validate these results, an additional environmental geochemical testing program was conducted in 2008. Based upon the test results from that work, it was concluded that the excavation surfaces and ore form the bulk sample program have a very low potential to produce acid rock drainage. This report was presented in the 2008 annual submission to the NWB[9].

There was no exploration drilling program conducted during 2011. However, a geotechnical drilling program was conducted and consisted of a total of 6785 m of drilling in 45 drillholes. A summary of the geotechnical drill program is provided in Tables 1.2, 1.3, and 1.4 and drillhole locations are presented in Figures 1-9 to 1-21, incl. Geochemical analyses and acid rock drainage/metal leaching (ARD/ML) predictions are currently underway for select samples of drill core from this program. Based on the geological characteristics and mineralogy observed in the drill logs, this material is expected to have a low potential for Acid Rock Drainage / Metal Leaching (ARD/ML).

Geotechnical drill core from the 2011 program are stored in sea containers adjacent to the north end of the airstrip at the Mary River camp, in sea containers at Milne Inlet and Steensby Inlet, or have been shipped south for further laboratory and other analyses.

During 2011, AMEC was retained by Baffinland Iron Mines Corporation (Baffinland) to conduct environmental ML/ARD studies in support of the Environmental Impact Assessment (EIA) for the Mary River Project. AMEC submitted a report in January 2012 that provided a summary of data collected during 2011 and provides interpretation of the data required to support water quality modeling for the Final Environmental Impact Statement (FEIS). Materials characterized in this study included rock core samples that represent rock types that would be placed in future proposed waste rock stockpiles and potentially exposed on pit walls. The ML/ARD assessment results provide input for the management of the mine rock and also the management of the seepage and runoff from the mine rock stockpiles and open pit. Work in 2011 included collection of an additional 377 samples of waste rock material on the basis of a revised waste type model that subdivided the hangingwall (HW) and footwall (FW) zones to incorporate more schist dominated regions (HWS and FWS) occurring generally in close proximity to the iron ore. Static testing included modified Sobek ABA, NAG testing, total element analyses, and short term leach analyses. This data has been supplemented with the additional ABA results from 2011 sampling. The results of this work are presented in AMEC's January 2012 report which was submitted in the FEIS and is reproduced electronically for this report in Appendix E.5.

[8] 2008 Bulk Sample Management Plan. Knight Piésold. March 31, 2008

[9] Environmental Assessment of Waste Materials Originating from the Bulk Sample Program from Deposit No. 1, Baffinland Mary River Project, Memo from Q. Hamilton, Knight Piésold Consulting to J. Millard and D. Chubb, Baffinland, dated March 12, 2009.

SECTION 5.0 - FUEL STORAGE (PART B, ITEM 6 [G])

Fuel storage infrastructure and handling practices have evolved over the last several years, based on increasing project complexity and level of activities. Prior to the year 2007, all of the fuel used for the Project was supplied in 205 litre drums. Fuel re-supply was accomplished by a combination of airlift directly to the Mary River camp and annual sea-lift re-supply to Milne Inlet. From Milne Inlet, drummed fuel was transported to Mary River by smaller aircraft or via the existing Milne Inlet tote road during frozen conditions in winter. With approval to proceed with the Bulk Sample Program, the years 2007 and 2008 marked a transition to the use of bulk fuel in addition to drummed fuel, to the use of mainly bulk fuel in 2009.

A bulk fuel storage facility and ancillary fuel transfer module, with a total storage capacity of approximately 8.25 million litres was constructed at Milne Inlet camp in 2007. Delivery of diesel and Jet-A fuels was received by these facilities in early September 2007 and again in August 2008. There was no fuel delivery received at the Milne facility in 2009 or 2010. A re-supply fuel sea-lift in September 2011 allowed the delivery of an additional 3,313 m^3 of P-50 diesel and 898 m^3 of Jet-A diesel to the Milne storage facility. The Milne storage facility originally consisted of 74 bladders, each with a rated capacity of 113,500 litres and contained within an impermeable lined earthen berm designed to meet applicable standards and guidelines. This capacity has been diminished due to select bladders being removed from service or used for other purposes such as storing contaminated water or residual waste from the oily water treatment process. Also in 2011, the approved 5 million litre fuel tank for P-50 diesel was constructed along with an engineered lined storage containment area at Milne Inlet. The plan is to transfer P-50 fuel to this facility from the bladder farm during the 2012 field season.

In 2008, a bulk fuel storage facility with an approximate capacity of 1.5 million litres (potential capacity of 16 bladders) was completed at the Mary River camp. Most fuel for use at Mary River and Milne Inlet camps are supplied and distributed via the ancillary fuel transfer modules associated with the bulk fuel facilities.

As of December 31, 2011, there is 3,469 m^3 of fuel (2,755 m^3 P-50 and 715 m^3 Jet-A) stored within the Milne Inlet storage facility, and 1,070 m^3 of fuel (890 m^3 P-50 and 180 m^3) of Jet-A at the Mary River storage facility. The remaining fuel requirements were supplied via day tanks and 205 L drums. The Mary River bulk fuel facility is supplied by bulk fuel tankers that were transported along the Milne Inlet Tote Road. The as-built reports for the Milne and Mary River bulk fuel facilities and ancillary fuel transfer modules were previously submitted to the NWB in previous annual reports.

During 2011, fuel for the Project was required to support the following activities:

- Diesel electric power generation and building heat
- Light and heavy vehicle operation
- Fixed-wing aircraft and helicopter movement
- Exploration and geotechnical drill power and water supply

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. Lined

containment areas are in place at Mary River, Milne Inlet, Steensby Inlet and Mid Rail camps for the storage of drummed fuel.

During 2011, barreled fuel was used to support field studies and the geotechnical drilling program. The sea-lift to Steensby allowed delivery of 2,500 - 205 L drums of fuel (700 P-50 diesel and 1800 Jet-A) and stored within a lined containment area. Currently there are 2,550 - 205 L drums of fuel (750 P-50 and 1800 Jet-A) stored at Steensby Inlet; 77 - 205 L drums of Jet-A and 15 drums of gasoline stored at Mary River Camp; and 56 drums of gasoline stored at Milne Inlet, all within lined containment areas.

Based on the increasing complexity and scope of the Project, a qualitative risk assessment process related to the fuel management system was implemented resulting in the identification and documentation of the risks associated with fuel handling, management, and related tasks. The results of this work helped to facilitate the development and effectiveness of operating procedures, inspection and maintenance requirements, and related record keeping practices. The net result of this work is to reduce the potential occurrence of environmental incidents on the Project such as accidental releases and fuel spills.

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. In December 2007, Baffinland engaged the services of Genivar Engineers (formally B.H. Martin) to investigate fuel facilities at the Mary River and Milne Inlet camps that existed at that time and to determine if these facilities complied with the CCME guidelines. The resulting report, which was included as an Appendix in the 2007 Annual Water Licence Report, concluded that fuel facilities were in compliance. A more recent code compliance report was completed in 2011 for bulk fuel and ancillary facilities, more specifically, the Milne Inlet and Mary River camps fuel bladder farms. The results of the review indicated that the facilities are in compliance.

The fuel storage containment areas continue to be inspected on an annual basis during geotechnical inspections. The geotechnical inspection completed during 2011 is presented in Appendix C.2.

SECTION 6.0 - UNAUTHORIZED DISCHARGES (PART B, ITEM 6 [H])

Spill contingency training was delivered to Baffinland spill response team members and all site staff through a combination of classroom and tool box meetings as well as field exercises during 2011.

Six spills were reported to the Nunavut Spill Line, Water Licence Inspector and QIA Lands in 2011. In addition to the required one page Spill Line report for each spill, a more detailed follow-up report was filed which included a description of the event together with the immediate cause, corrective and preventive action, and a map showing the location of the spill. Four of the six spills involved petroleum products, one of which occurred within an engineered and lined secondary containment structure, one during drilling operations, and another at the water intake pump house, the fourth spill was a pail discovered on the ice at an unnamed lake with no evidence contamination found. This potential spill was proactively reported. Two of the six spills involved treated sewage effluent caused by mechanical failures, one due to thermal contraction of the discharge line, and one caused by a broken float cable which allowed the effluent holding tank to fill beyond its capacity. Prompt remedial actions taken in response to the events that occurred outside of containment structures prevented permanent or material impacts to the environment. Spill sites with obstructed access or proximity to sensitive infrastructure (e.g. within fuel storage facilities or in lined areas) will be assessed and remediated when safe access to the locations become available, i.e., during decommissioning. Improvements to physical facilities and maintenance practices were also implemented to prevent similar events from occurring.

The list of unauthorized discharges which occurred in 2011 is provided in Table 6.1. Information such as the date of the spill, the product and quantity spilled, cause of the spill, approximate location, proximity to any water body and a summary of follow-up actions taken, are provided in the table.

SECTION 7.0 - INSPECTION AND COMPLIANCE REPORT CONCERNS (PART B, ITEM 6 [I])

In 2011, Baffinland hosted regulatory inspections from AANDC, Environment Canada, QIA, and DFO, as follows:

- An AANDC land use inspector conducted an inspection with respect to Land Use Permits terms and conditions for the Steensby Inlet Camp on July 11, 2011. A written inspector's report for the inspection received November 7, 2011, noted minor concerns that included: the adequacy of existing grey water sumps; the condition of old fuel storage berms used in the past for drummed fuel, but currently empty; and smoke originating from the incinerator. All of the above minor concerns were addressed: the berms of grey water sumps were increased in height; new berm liners were installed in existing fuel storage berms; and training was augmented for incinerator operators to ensure that there were no competency issues.
- An AANDC Water Resources officer and Environment Canada (EC) Enforcement Officer conducted an inspection on August 11 to 14. The inspectors visited the main site components and activities at the Mary River Camp, Milne and Steensby Inlet Ports, the Milne Inlet Tote Road, and the proposed rail alignment. There were several items of minor concern to AANDC, which were addressed immediately. A written report was received on March 8, 2012, The EC Enforcement Officer noted that the Mid Rail Camp and Steensby Camp are located on Crown Lands therefore those locations are captured under Environment Canada's Storage Tank Regulations made pursuant to the Canadian Environmental Protection Act, 1999. At each of these camps, the incinerators are supplied by 600 L fuel tank supplies. Baffinland subsequently registered these tanks with Environment Canada in accordance with the regulations. The Department of Fisheries and Oceans (DFO) conducted an inspection of the Tote Road and fisheries crossings covered by authorizations under the Fisheries Act (Harmful Alteration Disruption or Destruction Authorization, Fish Habitat No-Net Loss and Monitoring Plan and Letter of Advice) on August 7 to 9, 2011. A number of follow-up items related to crossing repairs and enhancements, erosion control and monitoring were identified, and the Baffinland have addressed these items. Details of the above items are presented within the 2011 annual report to DFO.[10]
- The Qikiqtani Inuit Association (QIA) conducted an Environmental Inspection and Audit under Schedule "D" of Commercial Lease No. QI0C3001 on August 31 to September 1. Several minor non-immediate concerns were noted at the time of the inspection.

Inspection reports from AANDC and Baffinland's responses are provided in Appendix E.2.

Baffinland is appreciative of the constructive input provided by inspectors visiting the Project site and have taken and continue to take corrective action, as appropriate, in response to concerns that are raised.

[10] "Bulk Sample Program – Tote Road Upgrades, Fish Habitat Monitoring – 2011 Annual Report to the Department of Fisheries and Oceans", Revision 0, December 2011.

SECTION 8.0 - UPDATES TO PLANS (PART B, ITEM 6 [J])

In accordance with Part B, Item 6 (j) of the water licence, an annual review of the management plans developed under the water licence has been undertaken. Updates to the Abandonment and Reclamation Plan, the Spill Contingency Plan, Site Water Management Plan, QA/QC Plan, Wastewater Management Plan, and Comprehensive Environmental Monitoring Plan have been completed. Changes to these plans are broadly summarized as follows:

- *Abandonment and Reclamation Plan.* This document is an update to the March 2011 version of the A&R Plan in order to reflect any changes in reclamation requirements caused by operations and reclamation activities since the last version and to reflect continued improvement in cost estimation accuracy. There have been only minor changes and reclamation requirements remain similar to 2010.
- *Spill Contingency Plan*. This Plan has been updated with only minor changes and to reflect the most current contacts in the event of an incident and planned work scope for 2012. The revised plan includes the new aboveground steel fuel tank at Milne Inlet camp.
- *Site Water Management and QA/QC Plan.* This Plan has been updated to include the planned work scope for 2012 and new monitoring locations established at the landfill and new Milne Inlet fuel storage tank.
- Comprehensive Environmental Monitoring Plan. As above.
- *Wastewater Management Plan.* This plan has been updated to reflect the 2010 and 2011 activities at the Project site and planned activities for 2012.

The updated management plans (above) are provided in Appendix F.

SECTION 9.0 - PROGRESSIVE RECLAMATION WORK (PART B, ITEM 6 [K])

The Project's water licence issued and amended by the NWB, land-use permits issued by AANDC, and lease agreement as established by the QIA require that progressive reclamation work be carried out on project components no longer required for project operations, and that restoration work be completed prior to the expiry of these approvals and in accordance with the Project's approved Abandonment and Reclamation Plan. Reclamation progress is monitored through site inspections and annual reporting to the QIA, AANDC, and NWB.

Progressive reclamation undertaken in 2011 included:

- The oily stormwater treatment system for the bulk fuel storage facility at Milne Inlet Camp resumed operation. The multi-barrier treatment system effectively treated hydrocarbon impacted water to levels well below applicable water licence criteria. A monitoring plan confirmed compliance with the water licence and approximately 1,835 m^3 of treated water was released to Milne Inlet.
- At the Mary River Camp, a treatment system utilizing granular clay and activated carbon media was utilized to treat a small quantity of hydrocarbon-impacted water that had accumulated in the Mary River bulk fuel storage facility. Approximately 200 m^3 of oily water was treated and discharged on to the adjacent land surface.
- An action plan for decommissioning of the Milne Inlet Bulk Fuel Storage Facility (bladder farm) was developed and submitted to the NWB and QIA in June 2011[11]
- EBA Engineering Consultants Ltd. was retained to develop a conceptual design and management plan for a land farming bioremediation facility to be located at Milne Inlet. At this time preliminary designs and management plans were complete and final design was underway. The future construction and operation of the landfarm facility will require an amendment to the existing type "B" water licence and approval from the QIA.
- Culvert improvements at select DFO authorized stream crossings associated with the Milne Inlet Tote Road upgrades were completed during 2011. The replacement of culverts at three crossings was completed during 2011 and further culvert replacement of an additional five culvert crossings will be undertaken during the 2012 or 2013 field season. In addition, further progress was made in advancing an effective fish habitat compensation plan that will eventually satisfy the requirements of the project. This work was described in the annual report submitted to DFO on December 29, 2011.
- During the period from June to September 2011, treated sewage from the PWSPs at Mary River Camp was discharged to the receiving environment. A monitoring plan confirmed compliance with the water licence and approximately 5,287 m^3 of water was discharged to Sheardown Lake. During the August and September discharge period PWSP effluent from the Mary River PWSPs required polishing prior to discharge. There was no discharge of treated sewage of the Milne Port PWSP contents to the receiving environment (Milne Inlet) during 2011.
- Litter and debris were removed, and test pits, channels and in-ground sumps were backfilled at the completion of the 2011 geotechnical drilling program. Additional work to complete reclamation of a number of drill sites from previous years has been inventoried and is ongoing.

[11] Action Plan for Decommissioning of Milne Inlet Bulk Fuel Storage Facility and the Construction of New Fuel Tank Storage, Notification for Water Licence Modification Type B Water Licence 2BB-MRY1114, Mary River Project, submission from Baffinland to the NWB and QIA, dated June 21, 2011.

- Ongoing use of the non-hazardous landfill at Mary River Camp for the disposal of inert material debris (mainly metal and wood) from Milne Inlet and Mary River Camps. These materials originated mainly from 2010 and 2011 camp operations.
- Hazardous waste and materials from the Project that were generated mainly over the course of the year were packaged and transported off site for disposal/recycling in licenced waste disposal facilities located in Southern Canada. Most residual historical materials from past exploration activities were dealt with previously in 2009 and 2010.
- A field study was initiated in 2009 to establish preliminary closure criteria for the borrow areas located along the Milne Inlet Tote Road and to confirm that as-built conditions are suitable for eventual decommissioning. In 2009, remedial efforts were focussed on locations identified as higher risk with respect to the potential for permafrost degradation. In 2010 & 2011, the civil work completed on the road consisted primarily of repairing damage caused by the spring freshet. Several areas where with settlement issues were repaired by means of extending an insulating blanket of granular material over the problem areas.

SECTION 10.0 - SUMMARY OF CONSULTATIONS (PART B, ITEM 6 [N])

In 2007 and 2008, engagement between the Company and potentially interested stakeholders and communities increased to keep pace with advancement of the Project from exploration to bulk sampling. Socio-economic studies and public consultation have focussed on the five North Baffin communities in closest proximity to the Mary River Project components, and in Iqaluit, the territorial capital. These Communities of Interest were selected based on the guidance presented in "A proponents Guide to Conducting Public Consultation for the NIRB Environmental Assessment Process," (NIRB, 2006) and are most likely to be affected by a future Project.

Over the last several years, consultation with potentially interested stakeholders, including local communities and community groups has been carried out through a variety of means, including:

- Community Liaison Offices
- Public Meetings
- Inuit Knowledge Working Groups
- Community Focus Sessions
- Inuit Knowledge Individual Interviews
- Radio Call-In Shows and Printed Media

Baffinland has also been proactive in bringing community and government representatives to visit the operations at Mary River. In 2011, Baffinland hosted site visits to Mary River with representatives of North Baffin hamlets, a number of government representatives, and local community members including students. For many of the community representatives, it was their first opportunity to see such operations, and the opportunity to see "with their own eyes" was of immeasurable value.

Since mid-2010, the Company re-engaged its community consultation with regular community visits to the communities that are considered to be "affected", as defined by NIRB in relation to the development of the Mary River Project. In 2011, Baffinland maintained and operated community liaison offices in Iqaluit, Igloolik, and Pond Inlet and consultation continued at a very high level of effort. This also included the hiring of a Senior Northern Affairs Manager and an additional community liaison officer, both based in Iqaluit. Meetings were held with the public, local hamlet officials, local HTOs, and local QIA representatives. The following is the list of communities (in alphabetical order) visited by Baffinland and/or its consultants, and the number of visits to each community during 2011:

- Arctic Bay (2 visits)
- Cape Dorset (1 visit)
- Clyde River (3 visits)
- Hall Beach (2 visits)
- Igloolik (6 visits)
- Kimmirut (1 visit)
- Pond Inlet (6 visits)

The meetings provide an opportunity for Baffinland to communicate any new information that is available and update communities on current work being done by the Company. Various government regulatory agencies visited the operations in Mary River during 2011 (Table 10.1), and numerous meetings with public, government, and Inuit organisations were held in various locations (Table 10.2).

Visiting the communities also provides an opportunity to meet and spend time with the various Hamlet Councils and HTO's. As well, when en route to community meetings, it is convenient to meet with various regulators, and other stakeholders such as the QIA, in Iqaluit, which is the travel hub.

In 2011, it was announced that Baffinland has made a commitment to Arctic College to fund the 2012 Environmental Technology Course in Pond Inlet. A commitment has also been made to provide significant training once a decision has been made to commence construction activities at Mary River.

TABLES

TABLE 1.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
SUMMARY OF 2011 ACTIVITIES AND SUBMISSIONS

Date	Activity/Submission
January 2011	December monthly water license report submission
January 2011	Submission of Draft Environmental Impact Statement and Class A Water Licence Application to NIRB and NWB
January 2011	December 2010 monthly water license report submissior
January 2011	Resubmission to the NWB of Type 'B' Water Licence Renewal Application due to administrative problem
January 2011	Submission of Annual Report to the NIRE
February 2011	January 2011 monthly water license report submissior
March 2011	February monthly water license report submissior
March 2011	Submission of 2011 Annual Water Licence Repor
March 2011	Submission of update to Abandonment and Reclamation Plar
March 2011	Submission of update to Spill Contingency Plar
March 2011	Submission of update to Site Water Management Plan and Surface Water Sampling Program - Quality Assurance and Quality Control Plar
March 2011	Submission of update to Wastewater Management Plar
March 2011	Submission of update to Comprehensive Environmental Management Plar
April 2011	Issuance of renewed Type B Water Licence 2BB-MRY1114 and approval of all outstanding environmenta management plans
April 2011	March monthly water license report submissior
April 2011	Notice of commencement of Baffinland's winter geotechnical drilling program including map and pertinent showing pertinent details, including water sources
April 2011	Opening of Steensby Inlet Camp and commencement of geotechnical drilling program
May 2011	April monthly water license report submission
June 2011	Notice of commencement of Baffinlanand's summer exploration drilling program including map showing pertinent details, including water sources.
June 2011	May monthly water license report submissior
June 2011	Notification of effluent discharge of treated stormwater from the Milne bulk fuel storage facility, description of enhancements to the existing oily water treatment system, and monitoring program
June 2011	Notification of effluent discharge of treated stormwater from the fuel and drum storage facilities at the Mary River Camp.
June 2011	Notification of effluent discharge from PWSPs at Mary River, commencement of PWSP discharg
June 2011	Request submitted for Water Licence Modification to allow for the Decommissioning of Milne Inlet Bulk Fue Storage Facility and the Construction of New Fuel Tank Storage at Milne Inle
July 2011	June monthly water license report submissior
July 2011	Commencement of treatment and discharge of stormwater in the fuel and drum storage facilities at the Milne Inlet and Mary River Camps.
July 2011	AANDC Land Use Inspector site visit,
July 2011	Submission of CCME Code compliance inspection for Milne Inlet and Mary River Bulk Fuel Storage Facilitie
August 2011	July monthly water license report submissior
August 2011	Receipt of Water Licence Modification approval to proceed with construction of new steel tank fuel storage a Milne Inlet. Commencement of construction
August 2011	Site inspections conducted by AANDC Water Resource officer and Environment Canada Enforcement Officer
August 2011	Recommencement of discharge from Mary River PWSPs
August 2011	Geotechnical drill program is completed for the season
August 2011	DFO inspection visit and site tour
August 2011	Dry cargo sealift and backhaul at Milne Inlet and Steenby Inlet Camps, bulk fuel shipment to Milne Inl
September 2011	QIA - abandonment and reclamation audi
September 2011	August monthly water license report submissior
September 2011	DFO issue amendment to Fisheries Authorization for Milne Inlet Tote Road to allow for additional fish habita compensation works and installation of new culverts to improve environmental performance. Commencement of Tote Road construction works.
September 2011	Seasonal shut down of Steensby Inlet Camp
September 2011	Submission of Pre-development Works package to NWB and others.
October 2011	Completion of Tote Road construction works (culvert improvement program) for the yea
October 2011	Mary River and Steensby Inlet Camps on winter care an maintenanc
October 2011	September monthly water license report submissior
November 2011	October monthly water license report submissior
November 2011	Submission of 2011 Annual Geotechnical Inspection Report
December 2011	Withdrawal of Predevelopment Works and submission of applications for scaled back 2012 Work Program
December 2011	Submission of 2011 DFO Annual Report for Tote Road Upgrades
December 2011	November monthly water license report submission

Baffinland Iron Mines Corporation

TABLE 1.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
HISTORICAL SUMMARY OF EXPLORATION DRILLING

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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		Total	
	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	136	26,852.0
2	0	0	3	477	0	0	11	1,794.7
3	0	0	2	163	0	0	13	2,722.0
4			17	3165	0	0	17	3,165.0
5			20	2662	0	0	20	2,662.0

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Baffinland Iron Mines Corporation

TABLE 1.3

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
ON ICE MARINE GEOTECHNICAL DRILLHOLE DETAILS

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Drillhole ID	Drillhole Coordinates		Description of Drillhole Location	Depth Below Seabed	Date Started	Date Finished
	Northing (m)	Easting (m)		(m)		
MMFD-C	7,976,748	503,852	Milne Inlet Proposed Freight Dock	25.01	3-Jun-11	5-Jun-11
MMFD-D	7,976,728	504,004	Milne Inlet Proposed Freight Dock	14.61	3-Jun-11	3-Jun-11
MMFD-E	7,976,710	504,153	Milne Inlet Proposed Freight Dock	15.8	5-Jun-11	5-Jun-11
MSFD-C	7,798,974	595,550	Steensby Inlet Proposed Freight Dock	15.56	15-May-11	16-May-11
MSFD-D	7,798,913	595,489	Steensby Inlet Proposed Freight Dock	16.88	14-May-11	16-May-11
MSFD-G	7,798,997	595,527	Steensby Inlet Proposed Freight Dock	20.08	13-May-11	14-May-11
MSFD-L	7,799,082	595,528	Steensby Inlet Proposed Freight Dock	28.14	16-May-11	17-May-11
MSFD-M	7,799,012	595,581	Steensby Inlet Proposed Freight Dock	21.22	19-May-11	20-May-11
MSFD-P	7,798,813	595,481	Steensby Inlet Proposed Freight Dock	6.4	20-May-11	20-May-11
MSFD-P1	7,798,809	595,481	Steensby Inlet Proposed Freight Dock	8.17	21-May-11	21-May-11
MSIB-A	7,800,340	594,348	Steensby Inlet Proposed Causeway	9	2-May-11	4-May-11
MSIB-A1	7,800,340	594,348	Steensby Inlet Proposed Causeway	14.63	4-May-11	5-May-11
MSIB-A2	7,800,340	594,349	Steensby Inlet Proposed Causeway	8.86	7-May-11	11-May-11
MSIB-B	7,800,364	594,390	Steensby Inlet Proposed Causeway	16.37	29-Apr-11	29-Apr-11
MSIB-C	7,800,389	594,428	Steensby Inlet Proposed Causeway	19.99	1-May-11	1-May-11
MSIB-D	7,800,408	594,410	Steensby Inlet Proposed Causeway	15.15	23-Apr-11	28-Apr-11
MSIB-P1(2)	7,800,359	594,331	Steensby Inlet Proposed Causeway	17.7	6-May-11	7-May-11
MSOD-I	7,799,333	592,734	Steensby Inlet Proposed Ore Dock	6.44	14-May-11	14-May-11
MSODP-9	7,799,011	592,577	Steensby Inlet Proposed Ore Dock	0.67	24-May-11	24-May-11
MSODP-9(2)	7,799,047	592,606	Steensby Inlet Proposed Ore Dock	3.35	25-May-11	25-May-11
SMICD-A	7,799,782	594,334	Steensby Proposed Temporary Construction Dock	10.65	8-May-11	8-May-11
SMICD-C	7,799,845	594,484	Steensby Proposed Temporary Construction Dock	6.1	6-May-11	6-May-11
SMICD-C1	7,799,845	594,484	Steensby Proposed Temporary Construction Dock	17.2	6-May-11	6-May-11
SMLCD-03A	7,799,378	595,263	Steensby Proposed Temporary Construction Dock	25.71	22-May-11	23-May-11
SMLCD-G	7,799,791	595,132	Steensby Proposed Temporary Construction Dock	30.53	11-May-11	12-May-11
SMLCD-H	7,799,834	595,099	Steensby Proposed Temporary Construction Dock	27.91	9-May-11	11-May-11

I:\1\02\00181\32\A\Report\BIM Report 1 - 2012 Water Licence Annual Report\Tables\[Table 1.2 - Historical Summary of Exploration Drilling.xlsx]Table 1.2

NOTES:

1. All marine drillholes utilized seawater at the collar for water supply.

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Baffinland Iron Mines Corporation

TABLE 1.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
ON LAND GEOTECHNICAL DRILLHOLE DETAILS

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
Drillholes On Land within 31 m of a water body or on ice (fresh water)								
BR-008-1-1	7,906,555	570,749	7,906,529	520,814	23.0	20-Jun-11	20-Jun-11	Water location just east of drill sites for all BR-008
BR-008-1-2	7,906,539	570,771	7,906,529	520,814	26.0	19-Jun-11	19-Jun-11	
BR-008-1-3	7,906,521	570,796	7,906,529	520,814	29.0	27-Jul-11	27-Jul-11	
BR-008-1-4	7,906,504	570,827	7,906,529	520,814	26.0	20-Jun-11	21-Jun-11	Location is a small melt out drainage
BR-011-1-2	7,904,929	573,023	7,904,994	573,107	33.0	25-Jun-11	25-Jun-11	Water location just east of drill sites for all BR-011
BR-011-1-4	7,904,915	573,081	7,904,994	573,107	20.0	25-Jul-11	25-Jul-11	
BR-011-1-5	7,904,899	573,109	7,904,994	573,107	20.0	24-Jun-11	25-Jun-11	
BR-011-1-7	7,904,889	573,168	7,904,994	573,107	25.9	19-Jun-11	21-Jun-11	Location is a small melt out drainage
BR-025-1-1	7,900,072	585,349	7,900,051	585,440	20.0	29-Jun-11	29-Jun-11	Water location is 400m south of drill
BR-025-1-2	7,900,055	585,378	7,900,051	585,440	11.4	21-Jul-11	21-Jul-11	
BR-025-1-4	7,900,014	585,420	7,900,051	585,440	19.7	1-Jul-11	1-Jul-11	Location is a small pack ice melt out from run off
BR-035-1-1	7,896,054	594,779	7,895,900	594,630	16.7	5-Jul-11	5-Jul-11	Small pack ice melt out pond
BR-035-1-2	7,896,045	594,792	7,895,900	594,630	16.8	4-Jul-11	4-Jul-11	
BR-035-1-3	7,896,035	594,816	7,895,900	594,630	12.0	5-Jul-11	5-Jul-11	
BR-035-1-4	7,896,012	594,866	7,895,900	594,630	14.3	20-Jul-11	20-Jul-11	
BR-036-1-3	7,895,367	595,078	7,895,382	595,075	20.0	4-Jul-11	4-Jul-11	Water location at local river 20m away from drill sites
BR-036-1-4	7,895,351	595,077	7,895,382	595,075	20.0	3-Jul-11	4-Jul-11	
BR-037-1-1	7,894,133	595,415	7,894,105	595,423	22.5	20-Jul-11	20-Jul-11	Water location Ravn river
BR-037-1-2	7,894,115	595,421	7,914,300	557,000	23.6	27-May-11	31-May-11	Flew water from Mary River Camp
BR-037-1-4*	7,894,059	595,444	7,914,300	557,000	18.9	24-May-11	26-May-11	Flew water from Mary River Camp
BR-037-1-6*	7,894,003	595,467	7,914,300	557,000	24.7	4-Jun-11	5-Jun-11	Flew water from Mary River Camp
BR-037-1-7	7,893,976	595,477	7,894,014	595,472	17.3	19-Jul-11	19-Jul-11	Water location Ravn river
BR-037-1-8	7,893,949	595,489	7,914,300	557,000	24.5	7-Jun-11	8-Jun-11	Flew water from Mary River Camp
BR-046-1-1	7,886,583	596,765	7,886,480	596,751	8.3	7-Jul-11	7-Jul-11	Water taken from puddle just off local river
BR-046-1-2	7,886,556	596,746	7,914,300	557,000	21.0	30-May-11	1-Jun-11	Flew water from Mary River Camp
BR-046-1-3	7,886,535	596,725	7,914,300	557,000	13.2	1-Jun-11	2-Jun-11	Flew water from Mary River Camp
BR-046-1-4	7,886,512	596,704	7,914,300	557,000	12.7	4-Jun-11	5-Jun-11	Flew water from Mary River Camp
BR-059-1-1	7,872,602	598,874	7,872,598	598,867	10.6	10-Jul-11	10-Jul-11	Water taken from small puddle in local marsh area
BR-059-1-2	7,872,588	598,869	7,872,598	598,867	11.4	9-Jul-11	9-Jul-11	Water taken from small puddle in local marsh area
BR-091-1-1	7,843,811	605,932	7,832,780	600,600	14.5	6-Jul-11	6-Jul-11	Cockburn Lake
BR-091-1-3	7,843,750	605,940	7,832,780	600,600	25.5	4-Jul-11	5-Jul-11	Cockburn Lake
BR-091-1-4	7,843,724	605,944	7,832,780	600,600	2.1	20-Jun-11	21-Jun-11	Cockburn Lake
BR-091-1-4(2)	7,843,724	605,944	7,832,780	600,600	7.4	21-Jun-11	22-Jun-11	Cockburn Lake
BR-091-1-4(3)	7,843,724	605,944	7,832,780	600,600	12.7	27-Jun-11	28-Jun-11	Cockburn Lake
BR-092-1-1	7,842,779	606,352	7,832,780	600,600	26.6	3-Jul-11	3-Jul-11	Cockburn Lake
BR-092-1-2	7,842,752	606,364	7,832,780	600,600	29.1	2-Jul-11	2-Jul-11	Cockburn Lake
BR-095-1-2	7,840,864	607,862	7,832,780	600,600	69.5	18-May-11	21-May-11	Cockburn Lake
BR-095-1-3	7,840,845	607,887	7,832,780	600,600	51.9	16-May-11	17-May-11	Cockburn Lake
BR-095-1-4	7,840,817	607,920	7,832,780	600,600	46.7	21-May-11	22-May-11	Cockburn Lake
BR-095-1-5*	7,840,768	607,983	7,832,780	600,600	37.7	23-May-11	25-May-11	Cockburn Lake
BR-096-1-1	7,840,226	608,534	7,832,780	600,600	32.2	28-Jun-11	30-Jun-11	Cockburn Lake
BR-096-1-1(2)	7,840,226	608,534	7,832,780	600,600	52.5	29-Jun-11	30-Jun-11	Cockburn Lake
BR-096-1-2	7,840,196	608,552	7,832,780	600,600	49.9	25-Jun-11	27-Jun-11	Cockburn Lake
BR-096-2-1	7,839,742	608,692	7,832,780	600,600	22.5	24-Jun-11	25-Jun-11	Cockburn Lake
BR-096-2-2	7,839,730	608,703	7,832,780	600,600	22.7	23-Jun-11	24-Jun-11	Cockburn Lake
BR-096-2-3	7,839,698	608,707	7,832,780	600,600	17.2	23-Jun-11	23-Jun-11	Cockburn Lake
BR-096-2-4	7,839,686	608,712	7,832,780	600,600	23.0	22-Jun-11	22-Jun-11	Cockburn Lake

Baffinland Iron Mines Corporation

TABLE 1.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
ON LAND GEOTECHNICAL DRILLHOLE DETAILS

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
BR-099-1-2	7,837,161	608,451	7,832,780	600,600	16.4	21-Jun-11	22-Jun-11	Cockburn Lake
BR-105-1-1*	7,833,852	604,200	7,832,780	600,600	26.8	19-Jul-11	19-Jul-11	Cockburn Lake
BR-105-1-2	7,833,834	604,175	7,832,780	600,600	21.5	7-Jun-11	8-Jun-11	Cockburn Lake
BR-105-1-3	7,833,820	604,153	7,832,780	600,600	20.2	6-Jun-11	7-Jun-11	Cockburn Lake
BR-124-2-1	7,819,207	598,447	7,832,780	600,600	43.4	12-Jun-11	13-Jun-11	Cockburn Lake
BR-124-2-2	7,819,177	598,445	7,832,780	600,600	48.9	9-Jun-11	14-Jun-11	Cockburn Lake
BR-137-1-4*	7,807,930	598,674	7,808,200	598,800	15.7	14-Jul-11	15-Jul-11	Water taken from small puddle in local marsh area
BR-137-1-5	7,807,901	598,680	7,808,200	598,800	8.2	18-Jun-11	18-Jun-11	Water taken from small puddle in local marsh area
BR-141-1-1	7,805,084	597,571	7,804,775	597,750	10.3	5-Jun-11	6-Jun-11	Water taken from small puddle in local marsh area
BR-141-1-2	7,805,060	597,552	7,804,775	597,750	11.6	4-Jun-11	4-Jun-11	Water taken from small puddle in local marsh area
BR-141-1-3*	7,805,035	597,532	7,804,775	597,750	14.6	1-Jun-11	1-Jun-11	Water taken from small puddle in local marsh area
BR-141-1-4	7,805,011	597,512	7,804,775	597,750	12.4	28-May-11	30-May-11	Water taken from small puddle in local marsh area
BR-141-1-5	7,804,988	597,493	7,804,775	597,750	11.4	13-Jul-11	14-Jul-11	Water taken from small puddle in local marsh area
BR-MR-12-1	7,911,931	562,769	7,911,969	562,646	25.1	31-Jul-11	31-Jul-11	Pumped water from Mary River
BR-MR-12-2	7,911,936	562,740	7,914,664	557,806	34.0	14-Jun-11	14-Jun-11	Pumped water from source to the north near road
BR-MR-12-3	7,911,946	562,716	7,911,969	562,646	20.0	2-Aug-11	3-Aug-11	Pumped water from Mary River
BR-MR-12-4	7,911,953	562,682	7,914,664	557,806	23.0	16-Jun-11	16-Jun-11	Pumped water from source to the north near road
BR-MR-12-5	7,911,960	562,653	7,914,664	557,806	26.0	15-Jun-11	15-Jun-11	Pumped water from source to the north near road.
BR-MR-12-7	7,911,978	562,596	7,914,664	557,806	20.0	17-Jun-11	17-Jun-11	Pumped water from source to the north near road
BR-MR-18-1	7,911,933	562,771	7,911,969	562,646	14.0	1-Aug-11	1-Aug-11	Pumped water from Mary River
BR-MR-18-2	7,911,943	562,743	7,914,664	557,806	19.6	12-Jun-11	13-Jun-11	Pumped water from source to the north near road
BR-MR-18-3	7,911,954	562,717	7,911,969	562,646	17.2	1-Aug-11	1-Aug-11	Pumped water from Mary River
BR-MR-18-4	7,911,960	562,685	7,914,664	557,806	44.7	10-Jun-11	11-Jun-11	Pumped water from source to the north near road
BR-MR-18-5	7,911,970	562,656	7,914,664	557,806	44.7	7-Jun-11	8-Jun-11	Pumped water from source to the north near road
BR-MR-18-6	7,911,976	562,627	7,914,664	557,806	50.1	3-Jun-11	5-Jun-11	Pumped water from source to the north near road
BR-MR-18-7	7,911,986	562,698	7,914,664	557,806	40.9	29-May-11	1-Jun-11	Pumped water from source to the north near road
CV-001-1	7,910,512	564,659	7,910,480	564,730	11.3	31-Jul-11	31-Jul-11	Melt out stream from ice pack beside drill location
CV-001-2	7,910,473	564,709	7,910,480	564,730	14.3	30-Jul-11	30-Jul-11	Melt out stream from ice pack beside drill location
CV-002-2	7,909,819	565,760	7,909,845	565,782	12.5	29-Jul-11	29-Jul-11	Runoff beside drill location from ice pack.
CV-003-1	7,909,652	565,974	7,909,674	565,976	12.2	28-Jul-11	28-Jul-11	Stream beside drill from melt out.
CV-004-1	7,908,983	566,992	7,908,956	567,013	11.3	27-Jul-11	28-Jul-11	Stream beside drill from melt out.
CV-006-1	7,907,926	568,605	7,907,926	568,605	11.5	26-Jul-11	26-Jul-11	Stream beside drill from melt out.
CV-006-3	7,907,698	569,022	7,907,926	568,605	9.8	26-Jul-11	26-Jul-11	Stream beside drill from melt out.
CV-008-1-1	7,906,962	570,111	7,906,940	570,144	20.0	18-Jun-11	18-Jun-11	Water taken from ice melt just south of drill location
CV-008-1-2	7,906,939	570,139	7,906,940	570,144	20.0	27-Jul-11	27-Jul-11	Water taken from ice melt just south of drill location
CV-008-1-3	7,906,930	570,160	7,906,940	570,144	26.0	18-Jun-11	19-Jun-11	Water taken from ice melt just south of drill location
CV-009-1	7,905,870	571,555	7,905,870	571,597	32.0	21-Jun-11	22-Jun-11	Small melt out drainage.
CV-010-1	7,905,365	572,341	7,905,381	572,319	35.0	23-Jun-11	23-Jun-11	Small melt out drainage, just north of drill location
CV-012-2	7,904,529	574,244	7,904,527	574,172	10.1	24-Jul-11	24-Jul-11	Small melt out drainage, just beside drill location
CV-013-1	7,904,115	574,989	7,904,144	574,996	20.3	22-Jun-11	24-Jun-11	Small melt out stream beside drill location
CV-013-2	7,904,019	575,207	7,904,144	574,996	11.0	24-Jun-11	25-Jun-11	Small melt out stream beside drill location
CV-014-3	7,903,655	575,876	7,903,647	575,885	9.7	25-Jun-11	25-Jun-11	Melt out from snow pack beside drill location
CV-016-1	7,903,133	577,152	7,903,141	576,989	11.0	26-Jun-11	26-Jun-11	Drainage from local marsh area
CV-016-2	7,902,996	577,421	7,903,141	576,989	10.1	23-Jul-11	23-Jul-11	Drainage from local marsh area
CV-017-1	7,902,633	578,073	7,902,637	578,079	9.9	22-Jul-11	22-Jul-11	Stream in marsh beside drill location
CV-017-2	7,902,272	578,734	7,902,637	578,079	17.7	26-Jun-11	27-Jun-11	Stream in marsh beside drill location
CV-018-1	7,902,204	578,856	7,902,203	578,126	11.2	27-Jun-11	27-Jun-11	Melt out stream from snow above drill location
CV-019-1	7,901,945	579,871	7,901,944	579,746	11.0	28-Jun-11	28-Jun-11	Melt out puddled up under snow pack

Baffinland Iron Mines Corporation

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
CV-019-2	7,901,683	580,363	7,901,944	579,746	9.7	28-Jun-11	28-Jun-11	Melt out puddled up under snow pack
CV-020-1	7,901,420	581,165	7,901,421	581,121	10.1	22-Jul-11	22-Jul-11	Melt out streaming down from ice above drill location
CV-020-2	7,901,381	581,348	7,901,421	581,121	10.9	26-Jun-11	26-Jun-11	Melt out streaming down from ice above drill location
CV-021-2	7,901,245	581,791	7,901,235	581,687	9.4	28-Jun-11	29-Jun-11	Water from melt out puddles surrounding drill
CV-022-1	7,900,957	582,848	7,900,886	583,243	11.0	29-Jun-11	29-Jun-11	Small melt out stream beside drill location
CV-022-3	7,900,883	583,243	7,900,886	583,243	9.4	29-Jun-11	29-Jun-11	Small melt out stream beside drill location
CV-023-1	7,900,638	584,014	7,900,642	584,012	9.8	21-Jul-11	22-Jul-11	Small puddle in marsh located beside drill
CV-025-1	7,899,663	585,835	7,899,455	586,175	8.1	30-Jun-11	1-Jul-11	Melt out stream in small marsh area
CV-025-2	7,899,448	586,177	7,899,455	586,175	11.2	2-Jul-11	2-Jul-11	Melt out stream in small marsh area
CV-044-1	7,885,794	596,559	7,885,700	596,450	10.1	17-Jul-11	17-Jul-11	Water pumped out of Cockburn river
CV-044-3	7,885,035	596,556	7,885,700	596,450	7.0	17-Jul-11	17-Jul-11	Water pumped out of Cockburn river
CV-045-1	7,884,182	597,168	7,884,340	597,195	6.0	4-Jul-11	5-Jul-11	Water pumped out of Cockburn river
CV-051-2-1	7,879,343	596,665	7,879,450	596,750	9.9	14-Jul-11	14-Jul-11	Water pumped out of Cockburn river
CV-051-2-2	7,879,328	596,661	7,879,450	596,750	11.5	8-Jul-11	8-Jul-11	Water pumped out of Cockburn river
CV-051-2-3	7,879,297	596,665	7,879,450	596,750	12.8	8-Jul-11	8-Jul-11	Water pumped out of Cockburn river
CV-051-2-4	7,879,282	596,666	7,879,450	596,750	11.3	9-Jul-11	9-Jul-11	Water pumped out of Cockburn river
CV-052-2	7,878,339	597,275	7,878,450	597,450	9.9	5-Jul-11	5-Jul-11	Water pumped out of Cockburn river
CV-056-1	7,875,715	598,815	7,875,735	598,828	10.9	12-Jul-11	12-Jul-11	Water pumped from puddles in surrounding marsh
CV-057-2	7,874,399	599,442	7,874,411	599,442	10.0	5-Jul-11	5-Jul-11	Water pumped from small river in marsh area
CV-060-1	7,871,716	598,653	7,871,674	598,654	10.3	6-Jul-11	6-Jul-11	Water pumped from puddles in surrounding marsh
CV-062-1	7,869,607	598,217	7,869,603	598,249	9.8	6-Jul-11	6-Jul-11	Water from small creak in marsh area.
CV-063-1	7,868,731	598,610	7,868,712	598,614	10.1	7-Jul-11	7-Jul-11	Small puddle in marsh located beside drill
CV-069-1	7,864,384	602,121	7,864,369	602,115	9.8	8-Jul-11	8-Jul-11	Small puddle in marsh located beside drill
CV-071-1	7,862,392	602,563	7,862,393	602,563	6.9	8-Jul-11	8-Jul-11	Small melt out puddle under drill setup
CV-073-1	7,861,073	603,096	7,861,112	603,129	10.0	8-Jul-11	9-Jul-11	Small creak from marsh
CV-074-1	7,859,903	603,752	7,859,932	603,609	9.5	9-Jul-11	9-Jul-11	puddle in marsh, surrounding drill
CV-075-2-1*	7,858,901	603,944	7,858,901	603,958	21.4	13-Jun-11	13-Jun-11	melt out drainage from elevation above drill to Cockburn
CV-075-2-1(B)*	7,858,901	603,944	7,858,901	603,958	9.0	14-Jun-11	14-Jun-11	melt out drainage from elevation above drill to Cockburn
CV-075-2-2*	7,858,890	603,954	7,858,901	603,958	6.0	12-Jun-11	12-Jun-11	melt out drainage from elevation above drill to Cockburn
CV-075-2-2(B)*	7,858,890	603,954	7,858,901	603,958	22.6	12-Jun-11	13-Jun-11	melt out drainage from elevation above drill to Cockburn
CV-076-1-1	7,858,668	604,238	7,858,689	564,259	14.1	10-Jul-11	10-Jul-11	Small drainage from elevation above drill
CV-076-1-2	7,858,661	604,246	7,858,689	564,259	13.9	10-Jul-11	10-Jul-11	Small drainage from elevation above drill
CV-076-2-1	7,858,625	604,302	7,858,633	604,335	14.3	9-Jul-11	9-Jul-11	Small drainage from elevation above drill
CV-076-2-2	7,858,620	604,318	7,858,633	604,335	12.3	16-Jun-11	16-Jun-11	Small drainage from elevation above drill
CV-076-3-1	7,858,577	604,384	7,858,570	604,364	15.5	15-Jun-11	16-Jun-11	Small drainage from elevation above drill
CV-076-3-2	7,858,560	604,410	7,858,570	604,364	15.2	15-Jun-11	15-Jun-11	Small drainage from elevation above drill
CV-078-1	7,856,479	605,520	7,856,553	605,423	14.2	9-Jul-11	9-Jul-11	Small drainage from elevation above drill
CV-079-3	7,855,481	605,534	7,855,512	605,363	11.2	8-Jul-11	8-Jul-11	Melt out water, under ice pack
CV-080-1*	7,854,924	605,532	7,854,932	605,443	11.2	8-Jul-11	8-Jul-11	Melt out water, under ice pack
CV-080-3	7,854,493	605,509	7,854,932	605,443	14.1	7-Jul-11	7-Jul-11	Melt out water, under ice pack
CV-081-3	7,853,688	605,491	7,853,426	605,612	11.1	7-Jul-11	7-Jul-11	Water taken from small puddle in local marsh area
CV-081-4	7,853,305	605,554	7,853,426	605,612	11.3	7-Jul-11	7-Jul-11	Water taken from small puddle in local marsh area
CV-082-2	7,852,968	605,905	7,853,022	605,982	10.2	10-Jul-11	10-Jul-11	Water from elevated drainage to Cockburn
CV-083-3	7,852,072	606,431	7,852,891	606,109	10.6	9-Jul-11	9-Jul-11	Water taken from puddle up hill from drill
CV-083-4	7,851,650	606,406	7,852,891	606,109	10.2	7-Jul-11	8-Jul-11	Water taken from puddle up hill from drill
CV-084-1	7,851,178	606,389	7,851,181	606,412	10.7	6-Jul-11	6-Jul-11	Water pumped from Cockburn river
CV-084-2	7,850,984	606,405	7,851,181	606,412	10.8	6-Jul-11	6-Jul-11	Water pumped from Cockburn river
CV-085-2	7,850,058	606,385	7,850,108	606,305	13.7	6-Jul-11	6-Jul-11	Water pumped from puddle off of Cockburn river

Baffinland Iron Mines Corporation

TABLE 1.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
ON LAND GEOTECHNICAL DRILLHOLE DETAILS

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
CV-086-1-1	7,848,870	606,182	7,848,909	606,235	9.5	17-Jun-11	18-Jun-11	Puddle of melt out water beside drill location
CV-086-1-2	7,848,856	606,183	7,848,909	606,235	14.9	5-Jul-11	5-Jul-11	Puddle of melt out water beside drill location
CV-087-1	7,848,011	606,285	7,848,066	606,639	9.9	4-Jul-11	4-Jul-11	Water taken from elevated drainage to Cockburn river
CV-093-2	7,842,219	606,650	7,832,780	600,600	15.3	1-Jul-11	1-Jul-11	Cockburn Lake
CV-101-1	7,836,037	607,062	7,832,780	600,600	10.4	16-Jul-11	16-Jul-11	Cockburn Lake
CV-105-1	7,833,539	603,378	7,832,780	600,600	11.1	20-Jul-11	20-Jul-11	Cockburn Lake
CV-107-1	7,833,049	601,561	7,832,780	600,600	10.5	23-Jul-11	23-Jul-11	Cockburn Lake
CV-109-1	7,831,871	600,766	7,832,780	600,600	11.0	24-Jul-11	24-Jul-11	Cockburn Lake
CV-110-1	7,830,830	599,835	7,832,780	600,600	11.0	24-Jul-11	24-Jul-11	Cockburn Lake
CV-111-1-2	7,830,189	599,052	7,832,780	600,600	29.8	8-Jun-11	9-Jun-11	Cockburn Lake
CV-117-1	7,825,750	597,978	7,832,780	600,600	16.3	26-Jul-11	26-Jul-11	Cockburn Lake
CV-117-2	7,825,563	598,197	7,832,780	600,600	13.3	28-Jul-11	28-Jul-11	Cockburn Lake
CV-117-3	7,825,510	598,232	7,832,780	600,600	13.8	28-Jul-11	29-Jul-11	Cockburn Lake
CV-118-2	7,824,540	598,604	7,832,780	600,600	7.9	29-Jul-11	29-Jul-11	Cockburn Lake
CV-119-2	7,823,960	598,538	7,832,780	600,600	15.2	30-Jul-11	30-Jul-11	Cockburn Lake
CV-119-3	7,823,368	598,603	7,832,780	600,600	12.2	30-Jul-11	30-Jul-11	Cockburn Lake
CV-120-1	7,822,783	598,639	7,832,780	600,600	13.0	31-Jul-11	31-Jul-11	Cockburn Lake
CV-121-3	7,821,977	598,550	7,832,780	600,600	15.5	1-Aug-11	1-Aug-11	Cockburn Lake
CV-121-5	7,821,399	598,369	7,832,780	600,600	13.3	1-Aug-11	2-Aug-11	Cockburn Lake
CV-123-1	7,820,275	598,387	7,832,780	600,600	15.1	18-Jun-11	18-Jun-11	Cockburn Lake
CV-123-3-1	7,819,912	598,475	7,832,780	600,600	24.8	10-Jun-11	10-Jun-11	Cockburn Lake
CV-123-3-1(2)	7,819,912	598,475	7,832,780	600,600	32.8	16-Jun-11	16-Jun-11	Cockburn Lake
CV-123-3-2	7,819,882	598,473	7,832,780	600,600	33.8	14-Jun-11	15-Jun-11	Cockburn Lake
CV-123-4-1	7,819,674	598,467	7,832,780	600,600	31.3	15-Jun-11	15-Jun-11	Cockburn Lake
CV-123-4-2	7,819,615	598,460	7,832,780	600,600	30.9	15-Jun-11	16-Jun-11	Cockburn Lake
CV-124-2-1	7,819,308	598,448	7,832,780	600,600	18.5	13-Jun-11	13-Jun-11	Cockburn Lake
CV-124-2-1(2)	7,819,308	598,448	7,832,780	600,600	39.8	14-Jun-11	14-Jun-11	Cockburn Lake
CV-124-2-2	7,819,281	598,450	7,832,780	600,600	16.0	11-Jun-11	11-Jun-11	Cockburn Lake
CV-124-2-2A	7,819,281	598,450	7,832,780	600,600	41.2	16-Jun-11	17-Jun-11	Cockburn Lake
CV-124-3	7,818,538	598,353	7,832,780	600,600	15.9	22-Jun-11	22-Jun-11	Cockburn Lake
CV-125-1	7,818,451	598,307	7,818,051	598,335	10.4	23-Jun-11	23-Jun-11	Small puddle of water from snow melt out
CV-125-3*	7,817,670	598,389	7,818,051	598,335	15.0	2-Aug-11	2-Aug-11	Small puddle of water from snow melt out
CV-126-1	7,817,433	598,579	7,818,051	598,335	14.1	23-Jun-11	24-Jun-11	Small puddle of water from snow melt out
CV-131-1*	7,812,716	600,628	7,812,625	600,425	10.0	4-Aug-11	4-Aug-11	Small puddles from marsh surrounding drill location
CV-133-2	7,810,610	600,859	7,811,074	601,456	8.4	25-Jun-11	25-Jun-11	Small pond from melt out.
CV-134-1	7,810,406	600,612	7,810,600	600,875	11.5	26-Jun-11	26-Jun-11	Large shallow pond north east of drill location
CV-136-1	7,809,570	598,961	7,810,150	599,250	11.1	28-Jun-11	28-Jun-11	Large shallow pond north east of drill location
CV-136-2	7,809,079	598,557	7,809,200	598,250	13.2	1-Jul-11	2-Jul-11	Small shallow pond west of drill location
CV-138-1	7,806,961	598,858	7,806,812	598,662	16.3	19-Jun-11	19-Jun-11	Small shallow pond south of drill location
CV-142-1	7,804,425	597,202	7,803,845	596,897	8.3	2-Jul-11	2-Jul-11	Small pond beside drill location
CV-142-2	7,803,818	596,948	7,803,845	596,897	11.4	13-Jul-11	13-Jul-11	Small pond beside drill location

Baffinland Iron Mines Corporation

TABLE 1.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
ON LAND GEOTECHNICAL DRILLHOLE DETAILS

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth (m)	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)				
Drillholes On Land (>31 m from a water body)								
MI-FTF-001	7,976,119	503,609	7,975,852	503,638	11.9	12-Jun-11	12-Jun-11	Water taken from a large shallow pond on the south side of Milne Inlet Camp
MI-FTF-002	7,976,119	503,631	7,975,852	503,638	10.1	13-Jun-11	13-Jun-11	
MI-FTF-003	7,976,137	503,618	7,975,852	503,638	10.1	12-Jun-11	12-Jun-11	
MI-FTF-004	7,976,179	503,605	7,975,852	503,638	10.4	13-Jun-11	13-Jun-11	
MI-FTF-005	7,976,182	503,635	7,975,852	503,638	42.1	13-Jun-11	14-Jun-11	
MI-FTF-006	7,976,203	503,619	7,975,852	503,638	11.9	13-Jun-11	13-Jun-11	
MI-FTF-007	7,976,178	503,650	7,975,852	503,638	10.7	15-Jun-11	15-Jun-11	
MI-FTF-008	7,976,177	503,679	7,975,852	503,638	10.7	15-Jun-11	15-Jun-11	
MI-FTF-009	7,976,201	503,664	7,975,852	503,638	10.4	15-Jun-11	15-Jun-11	
MI-FTF-010	7,976,221	503,603	7,975,852	503,638	10.7	16-Jun-11	16-Jun-11	
MI-FTF-011	7,976,224	503,632	7,975,852	503,638	10.4	15-Jun-11	15-Jun-11	
MI-FTF-012	7,976,251	503,619	7,975,852	503,638	9.5	17-Jun-11	17-Jun-11	
MI-FTF-013	7,976,225	503,653	7,975,852	503,638	10.1	15-Jun-11	15-Jun-11	
MI-FTF-014	7,976,224	503,677	7,975,852	503,638	9.8	17-Jun-11	17-Jun-11	
MI-FTF-015	7,976,246	503,666	7,975,852	503,638	9.5	17-Jun-11	17-Jun-11	Water taken from a large shallow pond south of Milne Inlet Camp
MR-AC-001	7,913,275	561,331	7,914,300	557,000	13.0	9-Aug-11	9-Aug-11	Flew water from Camp Lake
MR-AC-002	7,913,238	561,219	7,914,300	557,000	11.0	7-Aug-11	7-Aug-11	Flew water from Camp Lake
MR-CT-002	7,913,346	561,266	7,914,300	557,000	20.6	7-Aug-11	8-Aug-11	Flew water from Camp Lake
MR-EP-001	7,917,409	564,149	7,914,300	557,000	17.4	6-Aug-11	6-Aug-11	Flew water from Camp Lake
MR-FTF-020	7,912,966	561,301	7,914,300	557,000	19.2	3-Aug-11	4-Aug-11	Flew water from Camp Lake
MR-FTF-021	7,912,955	561,295	7,914,300	557,000	10.0	4-Aug-11	5-Aug-11	Flew water from Camp Lake
MR-FTF-022	7,912,954	561,309	7,914,300	557,000	10.0	4-Aug-11	4-Aug-11	Flew water from Camp Lake
MR-FTF-023	7,912,947	561,327	7,914,300	557,000	10.0	6-Aug-11	6-Aug-11	Flew water from Camp Lake
MR-FTF-024	7,912,936	561,310	7,914,300	557,000	10.0	5-Aug-11	5-Aug-11	Flew water from Camp Lake
MR-FTF-025	7,912,929	561,333	7,914,300	557,000	20.7	5-Aug-11	5-Aug-11	Flew water from Camp Lake
MR-FTF-025D*	7,912,929	561,333	7,914,300	557,000	14.4	23-Aug-11	23-Aug-11	Flew water from Camp Lake
MR-MAS-010	7,914,436	558,898	7,914,300	557,000	13.1	27-Jun-11	28-Jun-11	Flew water from Camp Lake
MR-MAS-011	7,914,374	558,990	7,914,300	557,000	10.2	28-Jun-11	28-Jun-11	Flew water from Camp Lake
MR-MAS-012*	7,914,272	558,946	7,914,300	557,000	19.2	23-Aug-11	23-Aug-11	Flew water from Camp Lake
MR-MAS-013	7,914,379	558,767	7,914,300	557,000	25.3	29-Jun-11	29-Jun-11	Flew water from Camp Lake
MR-MAS-013D*	7,914,379	558,767	7,914,300	557,000	20.4	24-Aug-11	24-Aug-11	Flew water from Camp Lake
MR-MAS-014	7,914,528	558,340	7,914,300	557,000	10.1	30-Jun-11	30-Jun-11	Flew water from Camp Lake
MR-MAS-015	7,914,041	559,120	7,914,300	557,000	10.1	30-Jun-11	30-Jun-11	Flew water from Camp Lake
MR-MEM-001	7,913,243	561,589	7,914,300	557,000	17.3	8-Aug-11	8-Aug-11	Flew water from Camp Lake
MR-MEM-002	7,913,208	561,647	7,914,300	557,000	20.7	9-Aug-11	10-Aug-11	Flew water from Camp Lake
MR-MRW-001	7,912,631	561,542	7,914,300	557,000	14.5	4-Aug-11	4-Aug-11	Flew water from Camp Lake
MR-MRW-002	7,912,359	562,035	7,914,300	557,000	10.1	15-Aug-11	15-Aug-11	Flew water from Camp Lake
MR-MTF-014	7,913,064	562,084	7,914,300	557,000	17.4	2-Aug-11	2-Aug-11	Flew water from Camp Lake
MR-MTF-015	7,913,043	562,075	7,914,300	557,000	14.5	22-Aug-11	22-Aug-11	Flew water from Camp Lake
MR-MTF-016*	7,913,045	562,096	7,914,300	557,000	20.7	11-Aug-11	11-Aug-11	Flew water from Camp Lake
MR-MWD-050	7,915,647	563,443	7,914,300	557,000	20.0	2-Aug-11	2-Aug-11	Flew water from Camp Lake
MR-MWD-051	7,916,258	563,843	7,914,300	557,000	17.0	3-Aug-11	3-Aug-11	Flew water from Camp Lake
MR-MWD-052	7,916,806	564,168	7,914,300	557,000	16.6	6-Aug-11	6-Aug-11	Flew water from Camp Lake
MR-MWD-053	7,916,616	562,468	7,914,300	557,000	14.3	7-Aug-11	7-Aug-11	Flew water from Camp Lake
MR-NSP-001	7,915,900	564,362	7,914,300	557,000	20.0	4-Aug-11	4-Aug-11	Flew water from Camp Lake
MR-NSP-002	7,916,101	564,528	7,914,300	557,000	20.0	4-Aug-11	4-Aug-11	Flew water from Camp Lake
MR-NSP-003	7,916,312	564,497	7,914,300	557,000	20.3	5-Aug-11	5-Aug-11	Flew water from Camp Lake

Baffinland Iron Mines Corporation

TABLE 1.4

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
MR-PGS-001*	7,913,312	561,194	7,914,300	557,000	21.1	30-Jun-11	2-Aug-11	Flew water from Camp Lake
MR-PGS-006(1)	7,913,079	561,475	7,914,300	557,000	5.3	9-Aug-11	9-Aug-11	Flew water from Camp Lake
MR-PGS-006(2)	7,913,079	561,475	7,914,300	557,000	19.8	9-Aug-11	9-Aug-11	Flew water from Camp Lake
MR-PGS-007	7,913,051	561,499	7,914,300	557,000	20.7	11-Aug-11	11-Aug-11	Flew water from Camp Lake
MR-PGS-008	7,913,031	561,593	7,914,300	557,000	11.3	10-Aug-11	10-Aug-11	Flew water from Camp Lake
MR-PGS-009	7,913,001	561,575	7,914,300	557,000	11.3	11-Aug-11	11-Aug-11	Flew water from Camp Lake
MR-ROS-001	7,912,748	562,132	7,914,300	557,000	20.8	15-Aug-11	15-Aug-11	Flew water from Camp Lake
MR-ROS-001D*	7,912,748	562,132	7,914,300	557,000	20.3	22-Aug-11	22-Aug-11	Flew water from Camp Lake
MR-ROS-002	7,912,545	562,365	7,914,300	557,000	19.5	16-Aug-11	16-Aug-11	Flew water from Camp Lake
MR-ROS-004	7,912,392	562,432	7,914,300	557,000	20.6	17-Aug-11	17-Aug-11	Flew water from Camp Lake
MR-ROS-006	7,912,573	562,219	7,914,300	557,000	17.7	15-Aug-11	15-Aug-11	Flew water from Camp Lake
MR-ROS-007	7,912,137	562,421	7,914,300	557,000	29.1	17-Aug-11	18-Aug-11	Flew water from Camp Lake
MR-ROS-010	7,912,657	562,879	7,914,300	557,000	29.3	18-Aug-11	18-Aug-11	Flew water from Camp Lake
MR-ROS-017	7,913,046	561,808	7,914,300	557,000	31.0	10-Aug-11	10-Aug-11	Flew water from Camp Lake
MR-ROS-018	7,912,992	561,751	7,914,300	557,000	29.9	12-Aug-11	12-Aug-11	Flew water from Camp Lake
MR-ROS-019	7,912,336	562,605	7,914,300	557,000	30.8	16-Aug-11	16-Aug-11	Flew water from Camp Lake
MR-ROS-020	7,912,280	562,552	7,914,300	557,000	30.9	19-Aug-11	19-Aug-11	Flew water from Camp Lake
MR-ROS-021	7,912,098	562,395	7,914,300	557,000	26.6	8-Aug-11	8-Aug-11	Flew water from Camp Lake
MR-ROS-022	7,913,270	563,369	7,914,300	557,000	6.6	21-Aug-11	21-Aug-11	Flew water from Camp Lake
MR-ROS-023	7,913,284	563,368	7,914,300	557,000	8.4	19-Aug-11	19-Aug-11	Flew water from Camp Lake
MR-ROS-024	7,913,436	563,492	7,914,300	557,000	8.4	20-Aug-11	20-Aug-11	Flew water from Camp Lake
MR-ROS-025	7,912,491	562,738	7,914,300	557,000	29.0	20-Aug-11	20-Aug-11	Flew water from Camp Lake
MR-ROS-025D	7,912,491	562,738	7,914,300	557,000	29.4	21-Aug-11	21-Aug-11	Flew water from Camp Lake
MR-ROS-026	7,912,834	561,926	7,914,300	557,000	29.8	13-Aug-11	16-Aug-11	Flew water from Camp Lake
MR-ROS-027	7,913,483	563,811	7,914,300	557,000	20.4	20-Aug-11	20-Aug-11	Flew water from Camp Lake
MR-ROS-028	7,913,386	563,815	7,914,300	557,000	12.9	21-Aug-11	21-Aug-11	Flew water from Camp Lake
MR-US-001	7,913,332	561,305	7,914,300	557,000	20.7	8-Aug-11	9-Aug-11	Flew water from Camp Lake
MR-US-002	7,912,128	562,393	7,914,300	557,000	20.2	16-Aug-11	16-Aug-11	Flew water from Camp Lake
MR-US-003	7,912,254	562,570	7,914,300	557,000	20.1	16-Aug-11	16-Aug-11	Flew water from Camp Lake
MR-US-004	7,913,398	563,500	7,914,300	557,000	11.4	20-Aug-11	20-Aug-11	Flew water from Camp Lake
MR-US-005	7,913,244	563,383	7,914,300	557,000	11.4	19-Aug-11	19-Aug-11	Flew water from Camp Lake
MR-WP-003	7,912,638	562,021	7,914,300	557,000	17.7	14-Aug-11	16-Aug-11	Flew water from Camp Lake
MR-WP-004	7,912,479	562,001	7,914,300	557,000	20.3	12-Aug-11	12-Aug-11	Flew water from Camp Lake
MR-WP-005	7,912,600	561,869	7,914,300	557,000	20.2	11-Aug-11	11-Aug-11	Flew water from Camp Lake
MR-WWT-001	7,913,440	560,716	7,914,300	557,000	28.3	21-Jul-11	21-Jul-11	Flew water from Camp Lake
MR-WWT-001D	7,913,440	560,716	7,914,300	557,000	29.5	23-Aug-11	23-Aug-11	Flew water from Camp Lake
MR-WWT-002	7,913,327	561,137	7,914,300	557,000	16.1	6-Aug-11	7-Aug-11	Flew water from Camp Lake
MR-WWT-002D	7,913,327	561,137	7,914,300	557,000	11.4	23-Aug-11	23-Aug-11	Flew water from Camp Lake
NCV-027-2	7,898,625	587,470	7,898,615	587,466	11.3	2-Jul-11	2-Jul-11	Water taken from large local depression
NCV-028-1	7,898,230	588,155	7,898,247	588,164	9.8	1-Jul-11	1-Jul-11	Water taken from small creak flowing out of local marsh
NCV-029-1	7,897,724	589,576	7,897,702	589,633	9.6	1-Jul-11	1-Jul-11	Water taken from small creak flowing out of local marsh
NCV-030-1	7,897,498	590,270	7,897,455	590,253	9.7	2-Jul-11	2-Jul-11	Water taken from shallow puddle just off of local lake
NCV-031-1	7,897,261	590,854	7,897,247	590,879	9.8	21-Jul-11	21-Jul-11	water taken from small, shallow lake in depression
NCV-031-2	7,897,149	591,343	7,897,247	590,879	11.2	2-Jul-11	3-Jul-11	water taken from small, shallow lake in depression
NCV-032-1	7,896,785	592,489	7,896,700	592,440	9.0	20-Jul-11	20-Jul-11	Water flow from under boulders on hill side
NCV-033-1	7,896,649	592,754	7,896,570	592,700	9.3	2-Jul-11	2-Jul-11	Water flow from under boulders on hill side
NCV-036-1	7,895,222	595,084	7,893,503	593,617	11.2	3-Jul-11	3-Jul-11	Water taken from small pond in depression
NCV-036-2*	7,894,902	595,112	7,893,503	593,617	11.2	19-Jul-11	19-Jul-11	Water taken from small pond in depression

Baffinland Iron Mines Corporation

TABLE 1.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
ON LAND GEOTECHNICAL DRILLHOLE DETAILS

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
NCV-039-1	7,892,689	595,927	7,892,666	595,878	9.7	3-Jul-11	3-Jul-11	Water taken from creak flowing out of marsh area
NCV-040-2	7,891,239	596,885	7,891,271	596,899	9.9	19-Jul-11	19-Jul-11	Large shallow pond in depression, close to drill location
NCV-042-1	7,889,775	597,436	7,889,732	597,496	8.3	18-Jul-11	18-Jul-11	Large shallow pond in depression, close to drill location
NCV-043-1	7,888,579	597,271	7,888,570	597,245	6.2	3-Jul-11	3-Jul-11	Large puddles around drill location
NCV-044-2	7,887,486	597,516	7,887,479	597,531	5.2	4-Jul-11	4-Jul-11	Very shallow, large puddle
NCV-044-3	7,887,317	597,484	7,887,479	597,531	6.9	16-Jul-11	16-Jul-11	Very shallow, large puddle
NTUN-DH01	7,835,656	605,976	7,832,780	600,600	34.8	3-Aug-11	3-Aug-11	Flew water from Cockburn Lake
NTUN-DH03	7,835,382	605,698	7,832,780	600,600	121.6	1-Aug-11	2-Aug-11	Flew water from Cockburn Lake
NTUN-DH05	7,835,245	605,535	7,832,780	600,600	82.3	30-Jul-11	31-Jul-11	Flew water from Cockburn Lake
Q-000+500*	7,911,899	563,668	7,913,905	556,945	30.0	30-Jul-11	31-Jul-11	Water flown from Camp Lake
Q004+100*	7,909,418	566,698	7,913,905	556,945	62.0	29-Jul-11	30-Jul-11	Water flown from Camp Lake
Q007+500*	7,907,667	569,432	7,913,905	556,945	50.0	28-Jul-11	29-Jul-11	Water flown from Camp Lake
Q010+250*	7,905,378	572,883	7,913,905	556,945	41.0	25-Jul-11	26-Jul-11	Water flown from Camp Lake
Q014+500*	7,904,382	575,868	7,913,905	556,945	47.2	24-Jul-11	24-Jul-11	Water flown from Camp Lake
Q018+100*	7,902,853	578,804	7,913,905	556,945	41.0	23-Jul-11	23-Jul-11	Water flown from Camp Lake
Q022+500*	7,901,663	583,415	7,913,905	556,945	62.0	22-Jul-11	22-Jul-11	Water flown from Camp Lake
Q025+500*	7,900,221	586,954	7,913,905	556,945	32.3	22-Jul-11	22-Jul-11	Water flown from Camp Lake
Q028+400*	7,898,617	588,240	7,898,289	588,285	24.2	18-Jul-11	18-Jul-11	Water taken from a local pond
Q031+500*	7,897,863	590,944	7,913,905	556,945	13.2	19-Jul-11	19-Jul-11	Water flown from Camp Lake
Q035+500*	7,896,244	595,477	7,896,254	594,408	26.2	17-Jul-11	17-Jul-11	Water taken from a small pond south west of drill site
Q038+700*	7,893,140	596,368	7,893,115	596,375	50.4	16-Jul-11	16-Jul-11	Water taken from a small pond south of drill site
Q042+000*	7,890,881	598,151	7,890,899	598,086	23.4	16-Jul-11	16-Jul-11	Water taken from a small pond close to drill site
Q044+000*	7,885,927	596,138	7,886,109	596,390	23.0	15-Jul-11	15-Jul-11	Water taken from a small pond close to drill site
Q044+300*	7,888,054	598,208	7,888,111	598,240	14.4	15-Jul-11	15-Jul-11	Water taken from a small pond close to drill site
Q045+000*	7,884,724	596,201	7,884,877	596,447	14.3	14-Jul-11	14-Jul-11	Water taken from a small shallow pond, east of drill
Q050+000*	7,881,100	597,357	7,881,065	597,450	16.9	14-Jul-11	14-Jul-11	Water taken from a small pond north of drill site
Q053+700*	7,877,567	597,616	7,877,468	597,470	29.2	13-Jul-11	13-Jul-11	Water taken from a small pond south of drill site
Q056+750*	7,875,280	598,852	7,875,646	598,649	11.2	11-Jul-11	11-Jul-11	Water taken from a small pond north of drill site
Q082+700*	7,852,449	605,710	7,852,839	606,149	16.0	22-Jul-11	22-Jul-11	Water taken from a small creak just north of drill site.
Q085+200*	7,850,087	606,073	7,850,216	606,260	25.9	20-Jul-11	21-Jul-11	Water taken from elevated pond just south of drill site
Q088+800*	7,846,674	605,956	7,832,780	600,600	15.0	17-Jul-11	18-Jul-11	Flew water from Cockburn Lake
Q114+600*	7,827,828	597,850	7,832,780	600,600	33.6	25-Jul-11	25-Jul-11	Flew water from Cockburn Lake
Q116+800*	7,826,194	597,422	7,832,780	600,600	32.4	26-Jul-11	26-Jul-11	Flew water from Cockburn Lake
Q131+100*	7,813,509	600,177	7,813,582	600,325	20.5	5-Aug-11	5-Aug-11	Water taken from small pond east of drill site
Q138+100*	7,807,612	598,865	7,807,614	598,781	31.0	16-Jul-11	17-Jul-11	Water taken from small lake north of the drill site
Q139+600*	7,806,105	598,727	7,806,134	598,725	13.9	19-Jul-11	19-Jul-11	Water taken from small pond south of drill
QMR-2*	7,914,203	560,128	7,914,073	560,115	26.0	7-Aug-11	7-Aug-11	Water taken from small pond just off of haul road
QS-1*	7,803,054	593,500	7,800,075	596,129	17.5	6-Aug-11	6-Aug-11	Water flown from Steensby camp lake
QS-2*	7,801,066	595,200	7,800,075	596,129	30.0	24-Jul-11	25-Jul-11	Water flown from Steensby camp lake
QS-3A*	7,800,000	595,698	7,800,075	596,129	15.1	23-Jul-11	23-Jul-11	Water flown from Steensby camp lake
QTR-04A*	7,820,410	598,555	7,832,780	600,600	32.5	4-Aug-11	4-Aug-11	Flew water from Cockburn Lake
QTR-09*	7,826,260	600,261	7,832,780	600,600	32.4	25-Jul-11	26-Jul-11	Flew water from Cockburn Lake
QTR-12*	7,836,190	610,857	7,832,780	600,600	20.5	15-Jul-11	15-Jul-11	Flew water from Cockburn Lake
QTR-13*	7,833,967	609,448	7,832,780	600,600	15.1	14-Jul-11	14-Jul-11	Flew water from Cockburn Lake
RR-001	7,911,139	563,977	7,913,905	556,945	11.3	31-Jul-11	31-Jul-11	Water flown from Camp Lake
RR-001A	7,911,553	563,533	7,913,905	556,945	13.3	1-Aug-11	1-Aug-11	Water flown from Camp Lake
RR-001B	7,911,806	563,184	7,913,905	556,945	11.3	1-Aug-11	1-Aug-11	Water flown from Camp Lake
RR-002	7,910,385	565,048	7,913,905	556,945	11.0	30-Jul-11	30-Jul-11	Water flown from Camp Lake

Baffinland Iron Mines Corporation

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BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
RR-003	7,908,595	567,413	79,081,620	567,394	10.1	27-Jul-11	27-Jul-11	Water pumped from local drainage
RR-004	7,908,124	568,254	7,908,153	568,323	9.3	26-Jul-11	27-Jul-11	Water pumped from local pond
RR-005	7,907,172	569,779	7,908,192	569,868	9.7	25-Jul-11	25-Jul-11	Water pumped from creak close to drill site
RR-006	7,905,560	571,940	7,905,641	571,575	9.8	24-Jul-11	24-Jul-11	Water pumped from small puddles around drill
RR-008	7,904,744	573,737	7,904,680	573,716	10.1	24-Jul-11	24-Jul-11	Water pumped from creak south of drill.
RR-009	7,904,332	574,588	7,904,253	574,585	9.9	23-Jul-11	23-Jul-11	Water pumped from pool in small depression
RR-012	7,898,425	587,755	7,898,354	587,677	10.7	21-Jul-11	21-Jul-11	Water pumped from small lake in large depression
RR-015	7,888,996	597,247	7,889,349	597,356	8.4	19-Jul-11	19-Jul-11	Water pumped from small lake in large depression, north
RR-016	7,888,403	597,314	7,888,145	597,225	6.8	18-Jul-11	18-Jul-11	Water pumped from small pond close to drill site
RR-018	7,884,538	596,768	7,884,607	596,816	8.4	16-Jul-11	16-Jul-11	Water pumped from Cockburn river.
RR-019	7,883,760	597,525	7,883,880	597,330	6.8	16-Jul-11	16-Jul-11	Water pumped from small pond close to drill site
RR-020	7,883,334	597,778	7,883,325	597,712	6.7	15-Jul-11	15-Jul-11	Water pumped from small lake in depression.
RR-023	7,880,762	597,442	7,780,841	597,447	10.0	14-Jul-11	14-Jul-11	Water pumped from small puddles around drill
RR-026	7,878,548	596,984	7,878,812	596,911	8.3	13-Jul-11	13-Jul-11	Water pumped from small puddles north of drill
RR-027	7,876,966	598,849	7,876,953	599,248	11.3	12-Jul-11	12-Jul-11	Water pumped from small puddles around drill
RR-028	7,873,809	599,244	7,874,255	598,995	10.8	11-Jul-11	11-Jul-11	Water pumped from small lake north of drill site
RR-029	7,872,853	598,942	7,872,610	598,781	11.3	10-Jul-11	10-Jul-11	Water pumped from small pond just south of drill site
RR-029(2)	7,872,853	598,942	7,872,610	598,781	6.7	13-Jul-11	13-Jul-11	Water pumped from small pond just south of drill site
RR-032	7,868,233	598,818	7,868,043	598,752	8.4	12-Jul-11	12-Jul-11	Water pumped from small puddles in marsh area
RR-033	7,867,261	599,248	7,867,423	599,486	5.7	12-Jul-11	12-Jul-11	Water pumped from small puddles in marsh area
RR-034	7,866,359	599,825	7,866,312	599,791	9.7	12-Jul-11	12-Jul-11	Water pumped from small creak just south of drill site
RR-035	7,866,077	600,224	7,865,978	600,199	10.1	11-Jul-11	11-Jul-11	Water pumped from small ponds in marsh area
RR-036	7,865,261	601,489	7,865,247	601,698	9.9	11-Jul-11	11-Jul-11	Water pumped from small ponds in marsh area, east
RR-038	7,864,026	602,323	7,864,236	602,457	9.6	10-Jul-11	10-Jul-11	Water pumped from small puddles north of drill
RR-039	7,863,595	602,558	7,863,686	602,478	9.7	10-Jul-11	10-Jul-11	Water pumped from small creak flowing under boulders
RR-040	7,861,830	602,741	7,861,974	602,812	9.9	10-Jul-11	10-Jul-11	Water pumped from puddles is local marsh area
RR-042	7,857,912	605,019	7,858,011	605,094	16.9	9-Jul-11	9-Jul-11	Water pumped from Cockburn river
RR-049	7,847,310	606,241	7,847,154	606,109	9.5	11-Jul-11	12-Jul-11	Water pumped from large puddle above drill site
RR-050	7,846,545	606,361	7,832,780	600,600	10.1	13-Jul-11	13-Jul-11	Cockburn Lake
RR-052	7,844,858	606,048	7,832,780	600,600	11.1	24-Jul-11	24-Jul-11	Cockburn Lake
RR-053	7,844,371	605,939	7,832,780	600,600	10.1	25-Jul-11	25-Jul-11	Cockburn Lake
RR-055	7,841,462	607,175	7,832,780	600,600	16.6	11-Jul-11	11-Jul-11	Cockburn Lake
RR-056	7,837,570	608,659	7,832,780	600,600	13.6	12-Jul-11	12-Jul-11	Cockburn Lake
RR-057	7,836,815	608,181	7,832,780	600,600	10.5	13-Jul-11	13-Jul-11	Cockburn Lake
RR-058	7,836,564	607,934	7,832,780	600,600	10.6	14-Jul-11	14-Jul-11	Cockburn Lake
RR-060	7,834,396	604,833	7,832,780	600,600	10.8	17-Jul-11	17-Jul-11	Cockburn Lake
RR-062	7,833,625	603,745	7,832,780	600,600	10.4	20-Jul-11	20-Jul-11	Cockburn Lake
RR-064	7,833,522	602,860	7,832,780	600,600	11.2	21-Jul-11	21-Jul-11	Cockburn Lake
RR-065	7,833,462	602,361	7,832,780	600,600	10.9	22-Jul-11	22-Jul-11	Cockburn Lake
RR-067	7,826,285	597,262	7,832,780	600,600	20.4	29-Jul-11	29-Jul-11	Cockburn Lake
RR-070*	7,815,716	598,599	7,815,455	598,455	11.0	3-Aug-11	3-Aug-11	Water taken from small lake south of drill site
RR-071*	7,814,824	599,003	7,814,762	599,215	10.0	5-Aug-11	5-Aug-11	Water pumped from small pond east of drill site
RR-071A*	7,814,158	599,749	7,813,975	600,200	10.9	3-Aug-11	3-Aug-11	Water pumped from Large lake east of drill site
RR-072*	7,810,303	600,237	7,810,327	600,025	8.5	6-Aug-11	6-Aug-11	Water pumped from marsh surrounding drill
RR-073	7,805,628	598,175	7,806,100	598,150	9.6	21-Jul-11	22-Jul-11	Water pumped from marsh on east side of lake west of the drill
RR-074*	7,804,314	597,153	7,804,329	597,307	15.0	5-Aug-11	5-Aug-11	Water pumped from small pond east of drill site
SI-AS-003	7,799,667	596,241	7,800,265	597,325	7.3	11-Aug-11	11-Aug-11	Flew water from lake used for camp water source
SI-AS-014*	7,799,655	596,961	7,800,265	597,325	6.1	11-Aug-11	11-Aug-11	Flew water from lake used for camp water source

Baffinland Iron Mines Corporation

TABLE 1.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

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ON LAND GEOTECHNICAL DRILLHOLE DETAILS

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Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
SI-FD-002	7,798,836	595,693	7,800,265	597,325	12.1	11-Aug-11	11-Aug-11	Flew water from lake used for camp water source
SI-FD-003	7,798,499	596,983	7,800,265	597,325	6.0	13-Aug-11	13-Aug-11	Flew water from lake used for camp water source
SI-FD-004	7,798,844	595,703	7,800,265	597,325	13.8	13-Aug-11	13-Aug-11	Flew water from lake used for camp water source
SI-LF-001	7,804,083	597,435	7,800,265	597,325	5.1	6-Aug-11	6-Aug-11	Flew water from lake used for camp water source
SI-MCP-001	7,803,001	596,128	7,800,265	597,325	5.4	8-Aug-11	8-Aug-11	Flew water from lake used for camp water source
SI-MCP-002	7,803,065	596,239	7,800,265	597,325	8.4	8-Aug-11	8-Aug-11	Flew water from lake used for camp water source
SI-MCP-003	7,803,103	596,215	7,800,265	597,325	8.5	7-Aug-11	7-Aug-11	Flew water from lake used for camp water source
SI-MCP-004	7,803,146	596,191	7,800,265	597,325	3.1	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MCP-006	7,803,265	596,238	7,800,265	597,325	32.4	7-Aug-11	7-Aug-11	Flew water from lake used for camp water source
SI-MCP-011	7,803,132	596,528	7,800,265	597,325	8.4	6-Aug-11	6-Aug-11	Flew water from lake used for camp water source
SI-MCP-014	7,803,147	596,275	7,800,265	597,325	7.7	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MCP-015	7,803,125	596,159	7,800,265	597,325	4.8	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MCP-016	7,804,371	596,635	7,800,265	597,325	6.2	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-002	7,799,563	593,400	7,800,265	597,325	8.4	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-005	7,799,967	594,168	7,800,265	597,325	9.1	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-006	7,800,371	593,993	7,800,265	597,325	11.4	15-Aug-11	15-Aug-11	Flew water from lake used for camp water source
SI-MHS-008	7,800,290	594,224	7,800,265	597,325	11.9	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-009	7,799,927	593,719	7,800,265	597,325	11.6	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-010	7,800,013	593,679	7,800,265	597,325	8.5	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-011	7,799,279	593,188	7,800,265	597,325	11.0	13-Aug-11	13-Aug-11	Flew water from lake used for camp water source
SI-MHS-013	7,799,908	593,258	7,800,265	597,325	8.4	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-014*	7,800,095	593,427	7,800,265	597,325	5.0	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-015(1)	7,800,407	593,956	7,800,265	597,325	5.6	14-Aug-11	14-Aug-11	Flew water from lake used for camp water source
SI-MHS-015(2)	7,800,407	593,956	7,800,265	597,325	8.3	15-Aug-11	15-Aug-11	Flew water from lake used for camp water source
SI-MHS-016	7,800,293	594,150	7,800,265	597,325	3.4	15-Aug-11	15-Aug-11	Flew water from lake used for camp water source
SI-MHS-017	7,800,260	594,176	7,800,265	597,325	10.7	15-Aug-11	15-Aug-11	Flew water from lake used for camp water source
SI-MHS-018	7,799,081	593,123	7,800,265	597,325	11.3	13-Aug-11	13-Aug-11	Flew water from lake used for camp water source
SI-OLD-004	7,798,314	592,879	7,800,265	597,325	32.2	8-Aug-11	8-Aug-11	Flew water from lake used for camp water source
SI-OLD-005	7,798,331	592,860	7,800,265	597,325	32.0	9-Aug-11	10-Aug-11	Flew water from lake used for camp water source
SI-OLD-006	7,798,409	592,876	7,800,265	597,325	38.4	10-Aug-11	11-Aug-11	Flew water from lake used for camp water source
SI-OLD-007	7,798,424	592,840	7,800,265	597,325	32.4	11-Aug-11	11-Aug-11	Flew water from lake used for camp water source
SI-OLD-008	7,798,489	592,891	7,800,265	597,325	35.6	12-Aug-11	12-Aug-11	Flew water from lake used for camp water source
SI-RL-004	7,800,424	594,482	7,800,265	597,325	7.1	13-Aug-11	13-Aug-11	Flew water from lake used for camp water source
SI-RL-005	7,799,875	595,213	7,800,265	597,325	11.3	16-Aug-11	16-Aug-11	Flew water from lake used for camp water source
SI-RL-008	7,800,940	594,624	7,800,265	597,325	3.0	11-Aug-11	11-Aug-11	Flew water from lake used for camp water source
SI-RL-009	7,800,683	594,590	7,800,265	597,325	13.8	12-Aug-11	12-Aug-11	Flew water from lake used for camp water source
SI-RL-010	7,800,452	594,499	7,800,265	597,325	6.5	12-Aug-11	12-Aug-11	Flew water from lake used for camp water source
SI-STL-004	7,801,990	593,566	7,800,265	597,325	7.7	6-Aug-11	6-Aug-11	Flew water from lake used for camp water source
SI-STL-005	7,801,980	593,630	7,800,265	597,325	5.9	7-Aug-11	7-Aug-11	Flew water from lake used for camp water source
SI-STL-006	7,801,927	593,559	7,800,265	597,325	7.3	7-Aug-11	7-Aug-11	Flew water from lake used for camp water source
SI-STL-008	7,801,774	593,516	7,800,265	597,325	6.0	11-Aug-11	11-Aug-11	Flew water from lake used for camp water source
SI-STL-009	7,801,915	593,617	7,800,265	597,325	10.0	8-Aug-11	8-Aug-11	Flew water from lake used for camp water source
SI-STL-012	7,801,470	594,166	7,800,265	597,325	4.4	11-Aug-11	11-Aug-11	Flew water from lake used for camp water source
SI-STL-015	7,801,881	593,536	7,800,265	597,325	5.8	10-Aug-11	10-Aug-11	Flew water from lake used for camp water source
SI-STL-016	7,801,867	593,550	7,800,265	597,325	8.0	10-Aug-11	10-Aug-11	Flew water from lake used for camp water source
SI-STL-017	7,801,876	593,603	7,800,265	597,325	9.4	9-Aug-11	9-Aug-11	Flew water from lake use+J388d for camp water source
SI-STL-018	7,801,866	593,618	7,800,265	597,325	9.5	18-Aug-11	18-Aug-11	Flew water from lake used for camp water source
SI-STL-019	7,801,852	593,530	7,800,265	597,325	9.4	9-Aug-11	9-Aug-11	Flew water from lake used for camp water source

TABLE 1.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
ON LAND GEOTECHNICAL DRILLHOLE DETAILS

Print Mar/30/12 12:55:27

Drillhole ID	Drillhole Coordinates		Water Source Coordinates		Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)	Northing (m)	Easting (m)	(m)			
SI-STL-020	7,801,795	593,521	7,800,265	597,325	9.2	15-Aug-11	15-Aug-11	Flew water from lake used for camp water source
SI-STL-021	7,801,865	593,623	7,800,265	597,325	9.9	16-Aug-11	16-Aug-11	Flew water from lake used for camp water source
SI-STL-022	7,801,836	593,613	7,800,265	597,325	5.9	15-Aug-11	15-Aug-11	Flew water from lake used for camp water source
SI-STL-023	7,801,872	593,558	7,800,265	597,325	7.2	16-Aug-11	16-Aug-11	Flew water from lake used for camp water source
STUN-DH03	7,832,812	601,490	7,832,780	600,600	87.5	29-Jul-11	29-Jul-11	Flew water from Cockburn Lake

I:\1\02\00181\32\A\Report\BIM Report 1 - 2012 Water Licence Annual Report\Tables\[Table 1.2 - Historical Summary of Exploration Drilling.xlsx]Table 1.2

Baffinland Iron Mines Corporation

TABLE 2.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
DAILY, MONTHLY AND ANNUAL QUANTITIES OF WATER FOR CAMPS MARY RIVER PROJECT

Print Mar/30/12 13:00:46

Day	January	February	March	April	May				June				July				August						September					October				November	December
	MRY-1 (m^3)	MRY-1 (m^3)	MRY-1 (m^3)	MRY-1 (m^3)	MRY-1 (m^3)	MRY-1 Other (m^3)	Steensby (m^3)	Total (m^3)	MRY-1 (m^3)	MRY-1 Other (m^3)	Steensby (m^3)	Total (m^3)	MRY-1 (m^3)	MRY-1 Other (m^3)	Steensby (m^3)	Total (m^3)	MRY-1 (m^3)	MRY-1 Other (m^3)	Steensby (m^3)	Milne Inlet (m^3)	Milne Inlet Other (m^3)	Total (m^3)	MRY-1 (m^3)	MRY-1 Other (m^3)	Steensby (m^3)	Milne Inlet (m^3)	Total (m^3)	MRY-1 (m^3)	MRY-1 Other (m^3)	Milne Inlet (m^3)	Total (m^3)	MRY-1 (m^3)	MRY-1 (m^3)
1	0.0	29.1	19.3	0.0	0.0	0.0	0.0	0.0	25.4	7.2	0.0	32.6	16.3	0.0	0.0	16.3	16.4	0.0	0.0	0.0	0.0	16.4	16.4	0.0	0.0	10.0	26.4	0.0	0.0	10.0	10.0	0.0	0.0
2	0.0	0.0	0.0	17.2	26.1	0.0	0.0	26.1	10.2	4.5	0.0	14.7	12.5	8.7	0.0	21.2	16.4	0.0	3.6	0.0	0.0	20.0	16.4	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	4.5	0.0	12.8	19.7	37.5	0.0	57.2	24.6	0.0	3.3	0.0	0.0	27.9	12.3	0.0	0.0	10.0	22.3	24.2	0.0	10.0	34.2	0.0	0.0
4	0.0	0.0	0.0	0.0	26.5	0.0	3.8	30.3	16.7	0.0	0.0	16.7	23.8	0.0	0.0	23.8	27.3	8.2	0.0	0.0	0.0	35.5	12.3	0.0	0.0	0.0	12.3	0.0	0.0	10.0	10.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	7.6	10.2	38.2	25.0	0.0	17.0	42.0	16.4	0.0	6.9	0.0	0.0	23.3	8.2	0.0	0.0	10.0	18.2	23.1	0.0	0.0	23.1	0.0	0.0
6	0.0	0.0	0.0	0.0	24.6	0.0	2.8	27.5	9.8	13.2	0.0	23.0	24.6	0.0	0.0	24.6	16.4	8.2	0.0	0.0	0.0	24.6	16.4	0.0	7.3	10.0	33.7	0.0	0.0	0.0	0.0	0.0	19.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	5.7	0.0	22.4	24.6	0.0	0.0	24.6	16.4	8.2	0.0	0.0	0.0	24.6	16.4	0.0	0.0	10.0	26.4	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	4.5	0.0	17.7	8.2	8.2	0.0	16.4	24.6	0.0	6.4	0.0	0.0	31.0	8.2	0.0	7.8	10.0	26.0	26.1	0.0	0.0	26.1	0.0	0.0
9	0.0	0.0	15.5	0.0	19.3	0.0	4.2	23.6	25.0	4.5	12.5	42.0	24.6	8.2	0.0	32.8	16.4	0.0	10.3	0.0	0.0	26.7	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	13.6	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	10.6	0.0	29.9	24.6	24.6	0.0	49.2	24.6	8.2	0.0	0.0	0.0	32.8	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	22.9	26.9	0.0	2.7	29.6	14.4	0.0	0.0	14.4	24.6	8.2	0.0	32.8	24.6	0.0	0.0	0.0	0.0	24.6	0.0	0.0	0.0	10.0	10.0	29.5	0.0	0.0	29.5	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	18.2	24.6	0.0	0.0	24.6	24.6	0.0	8.2	0.0	0.0	32.8	14.4	0.0	0.0	10.0	24.4	0.0	0.0	0.0	0.0	0.0	18.2
13	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	12.9	0.0	0.0	12.9	16.4	0.0	9.8	26.2	24.6	8.2	0.0	0.0	0.0	32.8	13.6	0.0	0.0	10.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7	0.0	14.8	40.5	24.6	0.0	0.0	24.6	32.8	8.2	0.0	0.0	0.0	41.0	17.0	0.0	0.0	10.0	27.0	14.0	0.0	0.0	14.0	0.0	0.0
15	0.0	0.0	0.0	27.0	28.0	0.0	11.4	39.4	13.6	0.0	0.0	13.6	24.6	8.2	0.0	32.8	16.4	0.0	5.3	0.0	0.0	21.7	0.0	0.0	0.0	10.0	10.0	19.3	0.0	0.0	19.3	0.0	0.0
16	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.8	0.0	0.0	34.8	16.4	0.0	0.0	16.4	24.6	0.0	3.5	0.0	0.0	28.1	27.3	0.0	0.0	0.0	27.3	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	15.1	0.0	6.8	21.9	30.3	0.0	0.0	30.3	16.4	24.6	0.0	41.0	16.4	0.0	2.7	10.0	0.0	29.1	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	31.3	25.0	8.1	0.0	33.1	23.5	2.3	0.0	25.8	16.4	24.6	0.0	41.0	24.6	0.0	3.4	0.0	0.0	28.0	17.4	0.0	0.0	10.0	27.4	19.7	0.0	0.0	19.7	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	9.1	0.0	9.1	29.1	0.0	15.9	45.0	16.4	0.0	0.0	16.4	24.6	0.0	0.0	10.0	0.0	34.6	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	22.2	14.8	4.2	9.1	28.0	27.3	0.0	0.0	27.3	16.4	0.0	0.0	16.4	16.4	0.0	3.7	0.0	11.0	31.1	21.2	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	0.0	15.1
21	0.0	0.0	22.7	2.2	12.5	27.3	0.0	39.7	20.1	0.0	0.0	20.1	16.4	0.0	0.0	16.4	16.4	0.0	0.0	10.0	0.0	26.4	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	25.4	0.0
22	0.0	0.0	0.0	0.0	6.1	8.0	9.1	23.1	24.6	0.0	0.0	24.6	24.6	0.0	0.0	24.6	16.4	0.0	2.7	10.0	11.0	40.1	11.7	0.0	0.0	10.0	21.7	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	32.9	9.8	0.0	42.8	24.6	0.0	0.0	24.6	16.4	0.0	0.0	16.4	16.4	0.0	0.0	0.0	0.0	16.4	15.1	0.0	0.0	10.0	25.1	16.7	0.0	0.0	16.7	0.0	0.0
24	0.0	0.0	0.0	23.1	20.1	12.9	6.8	39.7	13.6	0.0	15.9	29.5	16.4	8.2	0.0	24.6	16.4	0.0	4.3	10.0	0.0	30.7	18.2	0.0	0.0	10.0	28.2	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.6	0.0	0.0	27.6	16.4	0.0	0.0	16.4	16.4	0.0	0.0	10.0	0.0	26.4	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	25.4	14.4	6.8	10.2	31.4	13.2	6.1	0.0	19.3	16.4	0.0	8.1	24.5	16.4	0.0	3.5	0.0	0.0	19.9	17.8	0.0	0.0	10.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	1.2	11.4	4.5	0.0	15.9	16.7	0.0	0.0	16.7	16.4	0.0	3.1	19.5	16.4	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	17.0	20.4	0.0	37.5	15.5	0.0	14.8	30.3	16.4	0.0	0.0	16.4	24.6	0.0	0.0	0.0	10.0	34.6	17.4	0.0	0.0	10.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	25.4	19.7	16.7	0.0	36.3	23.1	0.0	0.0	23.1	16.4	0.0	1.5	17.9	16.4	0.0	4.7	10.0	0.0	31.1	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	17.4	4.5	0.0	22.0	18.9	0.0	0.0	18.9	16.4	0.0	6.8	23.2	16.4	0.0	0.0	10.0	0.0	26.4	17.8	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	18.5	0.0
31	0.0		0.0		0.0	7.6	9.1	16.7					16.4	0.0	0.0	16.4	16.4	0.0	3.4	10.0	0.0	29.8						11.7	0.0	0.0	11.7	0.0	0.0
Total	**18.6**	**50.1**	**57.5**	**197.9**	**357.7**	**139.8**	**79.7**	**577.2**	**592.7**	**70.7**	**84.1**	**747.5**	**589.3**	**161.0**	**46.3**	**796.6**	**617.7**	**49.2**	**75.9**	**90.0**	**32.0**	**864.8**	**315.5**	**0.0**	**15.1**	**240.0**	**570.6**	**184.3**	**0.0**	**30.0**	**214.3**	**57.5**	**52.6**

I:\1\02\00181\32\A\Report\BIM Report 1 - 2012 Water Licence Annual Report\Tables\[Table 1.2 - Historical Summary of Exploration Drilling.xlsx]Table 1.2

NOTES:

1. MRY-1 — Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m^3) - MRY-1.
2. MRY-1 Other — Camp Lake Daily Freshwater Use for Other Purposes (m^3) - MRY-1.
3. Steensby — Three Km Lake Steensby Inlet Daily Potable Water (m^3).
4. Milne Inlet — Phillips Creek KM 32 Milne Inlet Camp Daily Potable Water (m^3).
5. Milne Inlet Other — Phillips Creek KM 32 Milne Inlet Camp Daily Fresh Water for Other Purposes (m^3).

TABLE 2.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
DAILY, MONTHLY AND ANNUAL QUANTITIES OF WATER FOR DRILLING

Print Mar/30/12 13:00:46

Day	May	June	July	August
	(m^3)	(m^3)	(m^3)	(m^3)
1	0.0	62.4	39.1	10.0
2	0.0	40.5	50.0	19.9
3	0.0	36.5	53.9	72.1
4	0.0	27.5	114.6	45.7
5	0.0	57.5	32.1	6.7
6	0.0	56.3	70.2	23.1
7	0.0	70.8	37.5	15.2
8	0.0	47.3	30.0	20.3
9	0.0	32.6	45.1	34.3
10	0.0	0.0	36.3	28.6
11	0.0	0.0	28.3	17.2
12	0.0	17.7	51.3	16.8
13	0.0	3.0	61.0	2.8
14	0.0	26.3	63.5	2.3
15	0.0	63.2	47.3	15.3
16	0.0	111.6	90.7	29.5
17	0.0	124.3	30.1	12.1
18	0.0	40.9	11.2	26.2
19	0.0	14.7	31.8	19.3
20	0.0	49.7	53.3	25.1
21	0.0	55.2	47.7	26.7
22	0.0	33.9	50.2	12.2
23	1.5	39.7	46.4	17.9
24	0.0	29.1	81.0	9.7
25	8.7	35.5	49.5	0.0
26	15.1	33.9	39.9	0.0
27	12.9	26.1	41.6	0.0
28	0.0	28.5	12.7	0.0
29	43.9	14.2	58.3	0.0
30	30.7	17.3	83.6	0.0
31	42.4		85.3	0.0
Total	155.2	1,196.2	1,573.5	509.0

I:\1\02\00181\32\A\Report\BIM Report 1 - 2012 Water Licence Annual Report\Tables\[Table 1.2 - Historical Summary of Exploration Drilling.xlsx]Table 1.2

Baffinland Iron Mines Corporation

TABLE 2.3

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
MONTHLY AND ANNUAL QUANTITIES OF TREATED SEWAGE EFFLUENT AND SLUDGE REMOVED

Print Mar/30/12 13:00:46

Day	January	February	March	April	May		June		July		August			September			October	November	December
	MRY-4 *	MRY-4 *	MRY-4 *	MRY-4 *	MRY-4 *	MRY-4a,b,c	MRY-4 *	MRY-4a,b,c	MRY-4 *	MRY-4a,b,c	MRY-4 *	MRY-4a,b,c	MRY-5**	MRY-4 *	MRY-4a,b,c	MRY-5**	MRY-4 *	MRY-4 *	MRY-4 *
1	0.0	29.1	19.3	0.0	0.0	0.0	25.4	138.0	16.3	0.0	16.4	0.0	0.0	16.4	240.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	17.2	26.1	0.0	10.2	0.0	12.5	0.0	16.4	0.0	0.0	16.4	282.0	13.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	19.7	0.0	24.6	0.0	0.0	12.3	289.0	0.0	24.2	0.0	0.0
4	0.0	0.0	0.0	0.0	26.5	0.0	16.7	0.0	23.8(12.0)	0.0	27.3	0.0	0.0	12.3	388.0	13.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0	25.0	0.0	16.4	0.0	0.0	8.2	139.0	10.0	23.1	0.0	0.0
6	0.0	0.0	0.0	0.0	24.6	0.0	9.8	0.0	24.6	0.0	16.4	0.0	0.0	16.4	0.0	0.0	0.0	0.0	19.3
7	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	24.6	0.0	16.4	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	8.2	0.0	24.6	0.0	0.0	8.2	0.0	12.0	26.1	0.0	0.0
9	0.0	0.0	15.5	0.0	19.3	0.0	25.0	0.0	24.6	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0(12.0)	13.6	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	19.3	0.0	24.6(12.0)	0.0	24.6	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0
11	0.0	0.0	0.0	22.9	26.9	0.0	14.4	0.0	24.6	0.0	24.6	0.0	0.0	0.0	0.0	0.0	29.5(12.0)	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	18.2	92.9	24.6	0.0	24.6	0.0	0.0	14.4	0.0	0.0	0.0(12.0)	0.0	18.2
13	0.0	0.0	0.0	0.0	0.0	0.0	12.9	163.3	16.4	0.0	24.6	0.0	0.0	13.6	0.0	12.0	0.0	0.0	0.0
14	0.0	21.0	0.0	0.0	0.0	0.0	25.7	137.8	24.6	0.0	32.8	0.0	0.0	17.0	0.0	0.0	14.0	0.0	0.0
15	0.0	0.0	0.0	27.0	28.0	0.0	13.6	224.9	24.6	0.0	16.4	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.0
16	18.6	0.0	0.0	0.0	0.0	0.0	34.8	372.9	16.4	0.0	24.6	0.0	0.0	27.3(16.0)	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	15.1	0.0	30.3	297.2	16.4	0.0	16.4	0.0	14.0	0.0(16.0)	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	31.3	25.0	0.0	23.5	0.0	16.4	0.0	24.6	0.0	0.0	17.4(16.0)	0.0	0.0	19.7	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	29.1	0.0	16.4	0.0	24.6	0.0	0.0	0.0(16.0)	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	22.2	14.8	0.0	27.3	0.0	16.4	0.0	16.4	0.0	14.0	21.2	0.0	0.0	0.0	0.0	15.1
21	0.0	0.0	22.7	2.2	12.5	0.0	20.1	0.0	16.4(12.0)	0.0	16.4	132.0	14.0	0.0(14.0)	0.0	0.0	0.0	25.4	0.0
22	0.0	0.0	0.0	0.0	6.1	0.0	24.6	0.0	24.6	0.0	16.4	25.5	14.0	11.7	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	32.9	0.0	24.6	0.0	16.4	0.0	16.4	216.1	0.0	15.1	0.0	0.0(16.0)	16.7	0.0	0.0
24	0.0	0.0	0.0	23.1	20.1	0.0	13.6	0.0	16.4	0.0	16.4	0.0	7.0	18.2	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	27.6	0.0	16.4(12.0)	0.0	16.4	93.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	25.4	14.4	0.0	13.2	0.0	16.4	0.0	16.4	422.7	0.0	17.8(9.0)	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	1.2	11.4	0.0	16.7	0.0	16.4	0.0	16.4	413.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	17.0	0.0	15.5	0.0	16.4	0.0	24.6	151.0	12.0	17.4	0.0	0.0(10.0)	0.0	0.0	0.0
29	0.0		0.0	25.4	19.7	105.0	23.1	0.0	16.4	0.0	16.4	259.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	17.4	118.0	18.9	0.0	16.4	0.0	16.4	232.0	0.0	17.8	0.0	0.0	0.0	18.5	0.0
31	0.0		0.0		0.0	115.0			16.4	0.0	16.4	239.1	13.0				11.7		0.0
Total	**18.6**	**50.1**	**57.5**	**197.9**	**357.7**	**338.0**	**592.7**	**1,427.0**	**589.3(48.0)**	**0.0**	**617.7**	**2,184.1**	**88.0**	**315.5(87.0)**	**1,338.0**	**72.0(26.0)**	**184.3(36.0)**	**57.5**	**52.6**

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Treated Sewage*

NOTES:

1. All effluent from MRY-4 (Mary River Waste Water Treatment Facility (WWTF)) discharged to Polishing Waste Stabilization Ponds (PWSPs) Nos. 2 or 3.
2. All effluent from MRY-5 (Milne Inlet Waste Water Treatment Facility (WWTF)) discharged to Milne Inlet.
3. All effluent from MRY-4a,b,c (Polishing Waste Stabilization Ponds (PWSPs) Nos. 2 or 3) discharged to Sheardown Lake.
4. Volumes in Parentheses under columns for MRY-4 denote treated effluent that was transported to Mary River PWSP due to maintenance/malfunction in Milne Inlet WWTF.
5. Volumes in Parentheses under columns for MRY-5 denote treated effluent that was transported to Milne Inlet PWSP due to malfunction in Milne Inlet WWTF PLC.

Month		MRY-4 Mary River sludge to PWSP (m^3)
January		0.0
February		0.0
March		0.0
April		0.0
May		0.0
June		10.0
July		0.0
August		0.0
September		0.0
October		2.0
November		0.0
December		0.0
Total		12.0

NOTES:

1. All sludge from WWT F discharged to PWSP No. 1.

TABLE 2.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
LOCATION OF TEMPORARY AND PERMANENT STORAGE AREAS FOR WASTES

Print Mar/30/12 13:01:38

Description	UTM Coordinates (NAD83)		Latitude	Longitude
	Easting (m)	Northing (m)		
Milne Inlet				
Temporary empty fuel drum storage area	503,286	7,975,741	71° 52' 54"	80° 54' 19"
Temporary ash storage area	503,618	7,976,226	71° 53' 9"	80° 53' 44"
Temporary non-hazardous waste storage area (cleaned up during 2010)	503,618	7,976,226	71° 53' 9"	80° 53' 44"
Hazardous waste storage area	503,571	7,975,952	71° 52' 1"	80° 53' 49"
Mary River				
Temporary empty fuel drum storage area	558,261	7,914,538	71° 19' 33"	79° 22' 10"
Temporary hazardous materials storage area	558,205	7,914,561	71° 19' 34"	79° 22' 15"
Temporary non-hazardous waste storage area/bone yard (largely cleaned up during 2010)	559,014	7,914,268	71° 19' 24"	79° 20' 55"
Temporary non-hazardous waste storage area (largely cleaned up during 2010)	559,310	7,913,869	71° 19' 11"	79° 20' 27"
Temporary empty fuel drum storage area	559,014	7,914,268	71° 19' 24"	79° 20' 55"
Temporary ash storage area	559,097	7,914,210	71° 19' 22"	79° 20' 46"
Landfill	560,879	7,912,513	71° 18' 26"	79° 17' 52"
Mid-Rail				
Temporary hazardous waste and barrel fuel storage area	595,660	7,876,369	70° 58' 19"	78° 22' 13"
Steensby Inlet				
Temporary hazardous waste and barrel fuel storage area	594,679	7,800,514	70° 17' 35"	78° 29' 1"
Drilling Activities				
Natural depressions / sumps	Located adjacent to drillhole locations; refer to Tables 1.3			

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NOTES:

1. Locations are approximate.

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER LICENCE WATER QUALITY MONITORING LOCATIONS

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Monitoring Station	Description	UTM Coordinates (NAD83)		Latitude	Longitude
		Easting (m)	Northing (m)		
MRY-1	Water Supply for the Mary River Camp at Camp Lake	557,682	7,914,693	71° 19' 39" N	79° 23' 8" W
MRY-2	Summer Water Supply for the Milne Inlet Camp at Phillips Creek	514,503	7,964,579	71° 46' 52" N	80° 35' 4" W
MRY-3	Winter water supply for the Milne Inlet Camp at Km 32 Lake[1]	521,714	7,951,862	71° 39' 60" N	80° 22' 53" W
No Station	Sewage Influent - WWTF at Milne Inlet Camp	Primary Chamber			
Milne-RC1	Receiving waters of Milne Inlet, adjacent drainage ditch	TBD	TBD		
No Station	Sewage Influent - WWTF at Mary River Camp	Primary Chamber			
Shear-RC1	Sheardown Lake in the vicinity of the sewage outfall	TBD	TBD		
MRY-4	Mary River Camp sewage discharge at the WWTF	557,920	7,914,372	71° 19' 28" N	79° 22' 45" W
MRY-4a	Mary River Camp sewage discharge from the PWSP	558,706	7,913,930	71° 19' 13" N	79° 21' 27" W
MRY-5	Milne Inlet Camp sewage discharge at the WWTF	503,462	7,975,764	71° 52' 55" N	80° 54' 1" W
MRY-5a	Milne Inlet Camp sewage discharge from the PWSP	503,344	7,976,118	71° 53' 6" N	80° 54' 13" W
MRY-6	Water collected within the Bulk Fuel Storage Facility at Mary River prior to release	558,186	7,914,780	71° 19' 41" N	79° 22' 17" W
MRY-7A and 7B	Water collected within the Bulk Fuel Storage Facilities at Milne Inlet prior to release (7A and 7B correspond to bladder farm and new steel tank facilities, respectively)	503,309	7,976,097	71° 53' 6" N	80° 54' 17" W
MRY-8	Minewater and surface drainage either pumped or released from the Hematite Open Pit	NO LONGER REQUIRED[2]			
MRY-9	Minewater and surface drainage either pumped or released from the Magnetite Open Pit[2]	563,393	7,914,545	71° 19' 29" N	79° 13' 33" W
MRY-10	Surface discharge from the weathered ore stockpile	563,461	7,915,211	71° 19' 50" N	79° 13' 24" W
MRY-11	Surface discharge from the lump ore and fine ore stockpiles at the processing area	560,987	7,913,364	71° 18' 53" N	79° 17' 39" W
MRY-12	Surface discharge from the lump ore and fine ore stockpiles at Milne Inlet	503,357	7,976,453	71° 53' 17" N	80° 54' 11" W
MRY-13a & b	Surface discharge downstream of landfill (13b is downstream of 13 a)	560,756	7,912,496	71° 18' 25" N	79° 18' 4" W

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NOTES:

1. This location is actually at Km 32 Lake.
2. There is actually only one bulk sample pit now.
3. A mix-up in the labelling of new SNP water quality stations specified in Water Licence 2BB-MRY1114 led to a request for errata submitted to the NWB in December 2011. Refer to Appendix E.3 for details.

Baffinland Iron Mines Corporation

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
858581	MRY-4	20-Jan-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest	
858578	MRY-4	20-Jan-11	Biological Oxygen Demand	1	mg/L	Exova Accutest	
858578	MRY-4	20-Jan-11	pH	8.46	pH units	Exova Accutest	
858578	MRY-4	20-Jan-11	Total Suspended Solids	7	mg/L	Exova Accutest	
858578	MRY-4	20-Jan-11	Oil and Grease	2	mg/L	Exova Accutest	
858582	MRY-401	20-Jan-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest	
858579	MRY-401	20-Jan-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
858579	MRY-401	20-Jan-11	pH	8.46	pH units	Exova Accutest	
858579	MRY-401	20-Jan-11	Total Suspended Solids	6	mg/L	Exova Accutest	
858579	MRY-401	20-Jan-11	Oil and Grease	1	mg/L	Exova Accutest	
N/A	MRY-4	10-Feb-11	Faecal Coliforms*	N/A	CFU/100 ml	Exova Accutest	* Insufficient water volume was available for sampling in final effluent tank, after UV disinfection, for faecal coliforms.
862361	MRY-4	10-Feb-11	Biological Oxygen Demand	1	mg/L	Exova Accutest	
862361	MRY-4	10-Feb-11	pH	8.24	pH units	Exova Accutest	
862361	MRY-4	10-Feb-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
862361	MRY-4	10-Feb-11	Oil and Grease	<1	mg/L	Exova Accutest	
N/A	MRY-401	10-Feb-11	Faecal Coliforms*	N/A	CFU/100 ml	Exova Accutest	
862362	MRY-401	10-Feb-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
862362	MRY-401	10-Feb-11	pH	8.25	pH units	Exova Accutest	
862362	MRY-401	10-Feb-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
862362	MRY-401	10-Feb-11	Oil and Grease	2	mg/L	Exova Accutest	
-	MRY-4	3-Mar-11	Faecal Coliforms	*	CFU/100 ml	Exova Accutest	* No Faecal Coliform analysis - shipment delayed
866016	MRY-4	3-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
866016	MRY-4	3-Mar-11	pH	8.08	pH units	Exova Accutest	
866016	MRY-4	3-Mar-11	Total Suspended Solids	5	mg/L	Exova Accutest	
866016	MRY-4	3-Mar-11	Oil and Grease	**	mg/L	Exova Accutest	** No O&G - bottle broke during shipping
-	MRY-401	3-Mar-11	Faecal Coliforms	*	CFU/100 ml	Exova Accutest	* No Faecal Coliform analysis - shipment delayed
866017	MRY-401	3-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
866017	MRY-401	3-Mar-11	pH	8.10	pH units	Exova Accutest	
866017	MRY-401	3-Mar-11	Total Suspended Solids	6	mg/L	Exova Accutest	
866017	MRY-401	3-Mar-11	Oil and Grease	2	mg/L	Exova Accutest	
867794	MRY-4	12-Mar-11	Faecal Coliforms	0	CFU/100 ml	Exova Accutest	
867819	MRY-4	12-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
867819	MRY-4	12-Mar-11	pH	8.16	pH units	Exova Accutest	
867819	MRY-4	12-Mar-11	Total Suspended Solids	3	mg/L	Exova Accutest	
867819	MRY-4	12-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest	
867795	MRY-401	12-Mar-11	Faecal Coliforms	0	CFU/100 ml	Exova Accutest	
867820	MRY-401	12-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
867820	MRY-401	12-Mar-11	pH	8.24	pH units	Exova Accutest	
867820	MRY-401	12-Mar-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
867820	MRY-401	12-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest	
869915	MRY-4	24-Mar-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest	
869938	MRY-4	24-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
869938	MRY-4	24-Mar-11	pH	8.14	pH units	Exova Accutest	
869938	MRY-4	24-Mar-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
869938	MRY-4	24-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest	
869916	MRY-401	24-Mar-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest	
869939	MRY-401	24-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest	
869939	MRY-401	24-Mar-11	pH	8.15	pH units	Exova Accutest	
869939	MRY-401	24-Mar-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
869939	MRY-401	24-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest	
873771	MRY-4	14-Apr-11	Faecal Coliforms	40	CFU/100 ml	Exova Accutest	
873773	MRY-4	14-Apr-11	Biological Oxygen Demand	1	mg/L	Exova Accutest	
873773	MRY-4	14-Apr-11	pH	7.92	pH units	Exova Accutest	
873773	MRY-4	14-Apr-11	Total Suspended Solids	5	mg/L	Exova Accutest	
873773	MRY-4	14-Apr-11	Oil and Grease	<1	mg/L	Exova Accutest	
873772	MRY-401	14-Apr-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest	
873774	MRY-401	14-Apr-11	Biological Oxygen Demand	1	mg/L	Exova Accutest	
873774	MRY-401	14-Apr-11	pH	7.93	pH units	Exova Accutest	
873774	MRY-401	14-Apr-11	Total Suspended Solids	6	mg/L	Exova Accutest	
873774	MRY-401	14-Apr-11	Oil and Grease	<1	mg/L	Exova Accutest	
882198	MRY-4	22-May-11	Faecal Coliforms	10	CFU/100 ml	Exova Accutest	
882126	MRY-4	22-May-11	Biological Oxygen Demand	3	mg/L	Exova Accutest	
882126	MRY-4	22-May-11	pH	7.65	pH units	Exova Accutest	
882126	MRY-4	22-May-11	Total Suspended Solids	5	mg/L	Exova Accutest	
882126	MRY-4	22-May-11	Oil and Grease	<1	mg/L	Exova Accutest	
882199	MRY-4C	22-May-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest	
882127	MRY-4C	22-May-11	Biological Oxygen Demand	2	mg/L	Exova Accutest	
882127	MRY-4C	22-May-11	pH	8.00	pH units	Exova Accutest	
882127	MRY-4C	22-May-11	Total Suspended Solids	3	mg/L	Exova Accutest	
882127	MRY-4C	22-May-11	Oil and Grease	<1	mg/L	Exova Accutest	
884985	MRY-4C	31-May-11	Toxicity*	Non-lethal	-	Exova Accutest	
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 Biological Test Method EPS/1/RM/14).							
886998	MRY-4	2-Jun-11	Biochemical Oxygen Demand	2	mg/L	Exova Accutest	
886998	MRY-4	2-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
886998	MRY-4	2-Jun-11	pH	8.49	pH units	Exova Accutest	
886998	MRY-4	2-Jun-11	Total Suspended Solids	5	mg/L	Exova Accutest	
887008	MRY-4	2-Jun-11	Faecal Coliforms	8	CFU/100mL	Exova Accutest	
886999	MRY-401	2-Jun-11	Biochemical Oxygen Demand	1	mg/L	Exova Accutest	
886999	MRY-401	2-Jun-11	Oil & Grease	3	mg/L	Exova Accutest	
886999	MRY-401	2-Jun-11	pH	8.05	pH units	Exova Accutest	
886999	MRY-401	2-Jun-11	Total Suspended Solids	3	mg/L	Exova Accutest	
887009	MRY-401	2-Jun-11	Faecal Coliforms	7	CFU/100mL	Exova Accutest	
889136	MRY-4	15-Jun-11	Biochemical Oxygen Demand	2	mg/L	Exova Accutest	
889136	MRY-4	15-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
889136	MRY-4	15-Jun-11	pH	7.30	pH units	Exova Accutest	
889136	MRY-4	15-Jun-11	Total Suspended Solids	5	mg/L	Exova Accutest	
889131	MRY-4	15-Jun-11	Faecal Coliforms	5	CFU/100mL	Exova Accutest	
887006	MRY-4C	6-Jun-11	Biochemical Oxygen Demand	3	mg/L	Exova Accutest	
887006	MRY-4C	6-Jun-11	pH	7.67	pH units	Exova Accutest	
887006	MRY-4C	6-Jun-11	Total Suspended Solids	9	mg/L	Exova Accutest	
887011	MRY-4C	6-Jun-11	Faecal Coliforms	1	CFU/100mL	Exova Accutest	
887350	MRY-4C	8-Jun-11	Biochemical Oxygen Demand	2	mg/L	Exova Accutest	
887350	MRY-4C	8-Jun-11	pH	7.90	pH units	Exova Accutest	
887350	MRY-4C	8-Jun-11	Total Suspended Solids	5	mg/L	Exova Accutest	
889137	MRY-4C	15-Jun-11	Biochemical Oxygen Demand	1	mg/L	Exova Accutest	
889137	MRY-4C	15-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
889137	MRY-4C	15-Jun-11	pH	7.86	pH units	Exova Accutest	
889137	MRY-4C	15-Jun-11	Total Suspended Solids	3	mg/L	Exova Accutest	
889132	MRY-4C	15-Jun-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest	
890068	MRY-4C	19-Jun-11	Biochemical Oxygen Demand	4	mg/L	Exova Accutest	
890068	MRY-4C	19-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
890068	MRY-4C	19-Jun-11	pH	8.01	pH units	Exova Accutest	
890068	MRY-4C	19-Jun-11	Total Suspended Solids	8	mg/L	Exova Accutest	
890129	MRY-4C	19-Jun-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest	
884985	MRY-4C	19-Jun-11	Toxicity*	Non-lethal	-	Exova Accutest	
	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 Biological Test Method EPS/1/RM/14).						
887330	MRY-6	7-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
887330	MRY-6	7-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
887330	MRY-6	7-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
887330	MRY-6	7-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
887330	MRY-6	7-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
887340	MRY-6	8-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
887340	MRY-6	8-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
887340	MRY-6	8-Jun-11	Lead	0.001	mg/L	Exova Accutest	
887340	MRY-6	8-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
887340	MRY-6	8-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
889320	MRY-6	15-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
889320	MRY-6	15-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
889320	MRY-6	15-Jun-11	Lead	0.001	mg/L	Exova Accutest	
889320	MRY-6	15-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
889320	MRY-6	15-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
892174	MRY-6	21-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
892174	MRY-6	21-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
892174	MRY-6	21-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
892174	MRY-6	21-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
892174	MRY-6	21-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
892174	MRY-601	21-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
892174	MRY-601	21-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
892174	MRY-601	21-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
892174	MRY-601	21-Jun-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
892174	MRY-601	21-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
892156	MRY-6	26-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
892156	MRY-6	26-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
892156	MRY-6	26-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
892156	MRY-6	26-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
892156	MRY-6	26-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
893849	MRY-6	30-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
893849	MRY-6	30-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893849	MRY-6	30-Jun-11	Lead	0.001	mg/L	Exova Accutest	
893849	MRY-6	30-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
893849	MRY-6	30-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
893051	MRY-7	25-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
893051	MRY-7	25-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893051	MRY-7	25-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
893051	MRY-7	25-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
893051	MRY-7	25-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
893056	MRY-7	26-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
893056	MRY-7	26-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893056	MRY-7	26-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
893056	MRY-7	26-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
893056	MRY-7	26-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
893065	MRY-7	27-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
893065	MRY-7	27-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893065	MRY-7	27-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
893065	MRY-7	27-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
893065	MRY-7	27-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
893406	MRY-7	28-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
893406	MRY-7	28-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893406	MRY-7	28-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
893406	MRY-7	28-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
893406	MRY-7	28-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
893847	MRY-7	30-Jun-11	Benzene	<0.5	ug/L	Exova Accutest	
893847	MRY-7	30-Jun-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893847	MRY-7	30-Jun-11	Lead	<0.001	mg/L	Exova Accutest	
893847	MRY-7	30-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
893847	MRY-7	30-Jun-11	Toluene	<0.5	ug/L	Exova Accutest	
892839	MRY-9	24-Jun-11	Oil & Grease	2	mg/L	Exova Accutest	
892839	MRY-9	24-Jun-11	pH	4.92	pH units	Exova Accutest	
892839	MRY-9	24-Jun-11	Total Suspended Solids	30	mg/L	Exova Accutest	
892847	MRY-9	24-Jun-11	Arsenic (Total)	0.12	ug/L	Exova Accutest	
892847	MRY-9	24-Jun-11	Copper (Total)	1.69	ug/L	Exova Accutest	
892847	MRY-9	24-Jun-11	Lead (Total)	1.45	ug/L	Exova Accutest	
892847	MRY-9	24-Jun-11	Nickel (Total)	3.48	ug/L	Exova Accutest	
892847	MRY-9	24-Jun-11	Zinc (Total)	4.5	ug/L	Exova Accutest	
892834	MRY-10	27-Jun-11	Oil & Grease	2	mg/L	Exova Accutest	
892834	MRY-10	27-Jun-11	pH	6.7	pH units	Exova Accutest	
892834	MRY-10	27-Jun-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
892842	MRY-10	27-Jun-11	Arsenic (Total)	<0.10	ug/L	Exova Accutest	
892842	MRY-10	27-Jun-11	Copper (Total)	0.53	ug/L	Exova Accutest	
892842	MRY-10	27-Jun-11	Lead (Total)	0.12	ug/L	Exova Accutest	
892842	MRY-10	27-Jun-11	Nickel (Total)	0.52	ug/L	Exova Accutest	
892842	MRY-10	27-Jun-11	Zinc (Total)	<3.0	ug/L	Exova Accutest	
892835	MRY-11A	24-Jun-11	Oil & Grease	3	mg/L	Exova Accutest	
892835	MRY-11A	24-Jun-11	pH	7.36	pH units	Exova Accutest	
892835	MRY-11A	24-Jun-11	Total Suspended Solids	163	mg/L	Exova Accutest	
892843	MRY-11A	24-Jun-11	Arsenic (Total)	1.05	ug/L	Exova Accutest	
892843	MRY-11A	24-Jun-11	Copper (Total)	13.6	ug/L	Exova Accutest	
892843	MRY-11A	24-Jun-11	Lead (Total)	6.35	ug/L	Exova Accutest	
892843	MRY-11A	24-Jun-11	Nickel (Total)	25.3	ug/L	Exova Accutest	
892843	MRY-11A	24-Jun-11	Zinc (Total)	18	ug/L	Exova Accutest	
892836	MRY-11B	24-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
892836	MRY-11B	24-Jun-11	pH	6.98	pH units	Exova Accutest	
892836	MRY-11B	24-Jun-11	Total Suspended Solids	6	mg/L	Exova Accutest	

Baffinland Iron Mines Corporation

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
892844	MRY-11B	24-Jun-11	Arsenic (Total)	<0.10	ug/L	Exova Accutest	
892844	MRY-11B	24-Jun-11	Copper (Total)	1.66	ug/L	Exova Accutest	
892844	MRY-11B	24-Jun-11	Lead (Total)	0.84	ug/L	Exova Accutest	
892844	MRY-11B	24-Jun-11	Nickel (Total)	1.77	ug/L	Exova Accutest	
892844	MRY-11B	24-Jun-11	Zinc (Total)	<3.0	ug/L	Exova Accutest	
892837	MRY-11C	24-Jun-11	Oil & Grease	6	mg/L	Exova Accutest	
892837	MRY-11C	24-Jun-11	pH	7.14	pH units	Exova Accutest	
892837	MRY-11C	24-Jun-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
892845	MRY-11C	24-Jun-11	Arsenic (Total)	0.13	ug/L	Exova Accutest	
892845	MRY-11C	24-Jun-11	Copper (Total)	1.98	ug/L	Exova Accutest	
892845	MRY-11C	24-Jun-11	Lead (Total)	1.15	ug/L	Exova Accutest	
892845	MRY-11C	24-Jun-11	Nickel (Total)	2.41	ug/L	Exova Accutest	
892845	MRY-11C	24-Jun-11	Zinc (Total)	4.3	ug/L	Exova Accutest	
892838	MRY-11D	24-Jun-11	Oil & Grease	<1	mg/L	Exova Accutest	
892838	MRY-11D	24-Jun-11	pH	7.22	pH units	Exova Accutest	
892838	MRY-11D	24-Jun-11	Total Suspended Solids	5	mg/L	Exova Accutest	
892846	MRY-11D	24-Jun-11	Arsenic (Total)	0.14	ug/L	Exova Accutest	
892846	MRY-11D	24-Jun-11	Copper (Total)	2.08	ug/L	Exova Accutest	
892846	MRY-11D	24-Jun-11	Lead (Total)	0.66	ug/L	Exova Accutest	
892846	MRY-11D	24-Jun-11	Nickel (Total)	1.92	ug/L	Exova Accutest	
892846	MRY-11D	24-Jun-11	Zinc (Total)	3.2	ug/L	Exova Accutest	
892832	MRY-13A	27-Jun-11	pH, Laboratory	7.67	pH units	Exova Accutest	
892832	MRY-13A	27-Jun-11	Alkalinity, Total as mg CaCO3 equiv.	78	mg/L	Exova Accutest	
892832	MRY-13A	27-Jun-11	Conductivity in Laboratory	229	uS/cm	Exova Accutest	
892832	MRY-13A	27-Jun-11	Total Dissolved Solids	149	mg/L	Exova Accutest	
892832	MRY-13A	27-Jun-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
892832	MRY-13A	27-Jun-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Aluminum (Al) Total	0.0077	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Antimony (Sb) Total	<0.00010	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Barium (Ba) Total	0.019	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Cadmium (Cd) Total	0.000011	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Chromium (Cr) Total	0.00142	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Cobalt (Co) Total	<0.00010	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Copper (Cu) Total	0.00196	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Iron (Fe) Total	<0.03	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Lead (Pb) Total	<0.00005	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Lithium (Li) Total	<0.0050	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Manganese (Mn) Total	0.000633	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Molybdenum (Mo) Total	0.000526	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Nickel (Ni) Total	0.0127	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Selenium (Se) Total	<0.0010	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Tin (Sn) Total	<0.00010	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Strontium (Sr) Total	0.0173	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Thallium (Tl) Total	<0.00010	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Titanium (Ti) Total	<0.01	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Uranium (U) Total	0.000226	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Vanadium (V) Total	<0.0010	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Zinc (Zn) Total	0.0038	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Arsenic (As) Total	0.0002	mg/L	Exova Accutest	
892840	MRY-13A	27-Jun-11	Mercury (Hg) Total	<0.000010	mg/L	Exova Accutest	
892833	MRY-13B	27-Jun-11	pH, Laboratory	7.67	pH units	Exova Accutest	
892833	MRY-13B	27-Jun-11	Alkalinity, Total as mg CaCO3 equiv.	78	mg/L	Exova Accutest	
892833	MRY-13B	27-Jun-11	Conductivity in Laboratory	230	uS/cm	Exova Accutest	
892833	MRY-13B	27-Jun-11	Total Dissolved Solids	150	mg/L	Exova Accutest	
892833	MRY-13B	27-Jun-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
892833	MRY-13B	27-Jun-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Aluminum (Al) Total	0.0069	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Antimony (Sb) Total	<0.00010	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Barium (Ba) Total	0.0133	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Cadmium (Cd) Total	<0.000010	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Chromium (Cr) Total	0.00075	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Cobalt (Co) Total	<0.00010	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Copper (Cu) Total	0.0012	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Iron (Fe) Total	<0.03	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Lead (Pb) Total	<0.00005	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Lithium (Li) Total	<0.0050	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Manganese (Mn) Total	0.000483	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Molybdenum (Mo) Total	0.000354	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Nickel (Ni) Total	0.00845	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Selenium (Se) Total	<0.0010	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Tin (Sn) Total	<0.00010	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Strontium (Sr) Total	0.0113	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Thallium (Tl) Total	<0.00010	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Titanium (Ti) Total	<0.01	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Uranium (U) Total	0.000158	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Vanadium (V) Total	<0.0010	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Zinc (Zn) Total	<0.0030	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Arsenic (As) Total	0.00015	mg/L	Exova Accutest	
892841	MRY-13B	27-Jun-11	Mercury (Hg) Total	<0.000010	mg/L	Exova Accutest	
893849	MRY-6	01-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
893849	MRY-6	01-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
893849	MRY-6	01-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893849	MRY-6	01-Jul-11	Lead (Total)	0.001	mg/L	Exova Accutest	
893849	MRY-6	01-Jul-11	Oil & Grease	<1	mg/L	Exova Accutest	
893850	MRY-6	02-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
893850	MRY-6	02-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
893850	MRY-6	02-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893850	MRY-6	02-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
893850	MRY-6	02-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
893851	MRY-6	03-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
893851	MRY-6	03-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
893851	MRY-6	03-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893851	MRY-6	03-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
893851	MRY-6	03-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
893852	MRY-6	04-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
893852	MRY-6	04-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
893852	MRY-6	04-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
893852	MRY-6	04-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	

Baffinland Iron Mines Corporation

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
893852	MRY-6	04-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
893853	MRY-4	04-Jul-11	Biochemical Oxygen Demand	37	mg/L	Exova Accutest	
893853	MRY-4	04-Jul-11	Oil & Grease	<1	mg/L	Exova Accutest	RBC maintenance shutdown (No discharge to the receiving environment)
893853	MRY-4	04-Jul-11	Faecal Coliforms	5500	CFU/100mL	Exova Accutest	
893853	MRY-4	04-Jul-11	Total Suspended Solids	66	mg/L	Exova Accutest	
893853	MRY-4	04-Jul-11	pH	7.6	pH units	Exova Accutest	
899493	MRY-6	06-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
899493	MRY-6	06-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
899493	MRY-6	06-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
899493	MRY-6	06-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
899493	MRY-6	06-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
899500	MRY-6	07-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
899500	MRY-6	07-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
899500	MRY-6	07-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
899500	MRY-6	07-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
899500	MRY-6	07-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
895242	MRY-6	08-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
895242	MRY-6	08-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
895242	MRY-6	08-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
895242	MRY-6	08-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
895242	MRY-6	08-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
895247	MRY-7	08-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
895247	MRY-7	08-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
895247	MRY-7	08-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
895247	MRY-7	08-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
895247	MRY-7	08-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
895243	MRY-6	09-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
895243	MRY-6	09-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
895243	MRY-6	09-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
895243	MRY-6	09-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
895243	MRY-6	09-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
895244	MRY-6	09-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
895244	MRY-6	09-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
895244	MRY-6	09-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
895244	MRY-6	09-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
895244	MRY-6	09-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
895245	MRY-6	10-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
895245	MRY-6	10-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
895245	MRY-6	10-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
895245	MRY-6	10-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
895245	MRY-6	10-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
896363	MRY-7	12-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
896363	MRY-7	12-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
896363	MRY-7	12-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
896363	MRY-7	12-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
896363	MRY-7	12-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
897420	MRY-7	13-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
897420	MRY-7	13-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
897420	MRY-7	13-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
897420	MRY-7	13-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
897420	MRY-7	13-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
896359	MRY-4	13-Jul-11	Biochemical Oxygen Demand	14	mg/L	Exova Accutest	
896359	MRY-4	13-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
896359	MRY-4	13-Jul-11	Faecal Coliforms	370	CFU/100mL	Exova Accutest	
896359	MRY-4	13-Jul-11	Total Suspended Solids	30	mg/L	Exova Accutest	
896359	MRY-4	13-Jul-11	pH	7.44	pH units	Exova Accutest	
896365	MRY-13A	13-Jul-11	pH	8	pH units	Exova Accutest	
896365	MRY-13A	13-Jul-11	Alkalinity as CaCO3	144	mg/L	Exova Accutest	
896365	MRY-13A	13-Jul-11	Conductivity	518	uS/cm	Exova Accutest	
896365	MRY-13A	13-Jul-11	Total Dissolved Solids	337	mg/L	Exova Accutest	
896365	MRY-13A	13-Jul-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
896365	MRY-13A	13-Jul-11	Oil & Grease	<1	mg/L	Exova Accutest	
896365	MRY-13A	13-Jul-11	Total Organic Carbon	3.7	mg/L	Exova Accutest	
896365	MRY-13A	13-Jul-11	Dissolved Organic Carbon	4.2	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Aluminum (Total)	<0.0030	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Arsenic (Total)	<0.00070	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Barium (Total)	0.0303	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Chromium (Total)	0.00059	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Copper (Total)	0.00094	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Iron (Total)	<0.03	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Lead (Total)	<0.00005	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Manganese (Total)	0.000466	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Molybdenum (Total)	0.000186	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Nickel (Total)	0.00904	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Selenium (Total)	<0.0020	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Strontium (Total)	0.0246	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Uranium (Total)	0.000266	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
896815	MRY-13A	13-Jul-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest	
896814	MRY-9	13-Jul-11	pH	6.6	pH units	Exova Accutest	
896814	MRY-9	13-Jul-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest	
896814	MRY-9	13-Jul-11	Copper (Total)	0.00112	mg/L	Exova Accutest	
896814	MRY-9	13-Jul-11	Lead (Total)	0.0001	mg/L	Exova Accutest	
896814	MRY-9	13-Jul-11	Nickel (Total)	<0.00050	mg/L	Exova Accutest	
896814	MRY-9	13-Jul-11	Zinc (Total)	0.0053	mg/L	Exova Accutest	
896364	MRY-9	13-Jul-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
896364	MRY-9	13-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	pH	8.18	pH units	Exova Accutest	
897361	MRY-13A	16-Jul-11	Alkalinity as CaCO3	151	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Conductivity	501	uS/cm	Exova Accutest	

Baffinland Iron Mines Corporation

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
897361	MRY-13A	16-Jul-11	Total Dissolved Solids	326	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Oil & Grease	<1	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Total Organic Carbon	3.8	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Dissolved Organic Carbon	3.6	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Aluminum (Total)	<0.0030	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Arsenic (Total)	0.00013	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Barium (Total)	0.0256	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Copper (Total)	0.00094	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Iron (Total)	<0.03	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Lead (Total)	<0.00005	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Manganese (Total)	0.000562	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Molybdenum (Total)	0.000212	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Nickel (Total)	0.00909	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Strontium (Total)	0.0219	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Uranium (Total)	0.000231	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
897361	MRY-13A	16-Jul-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	pH	8.16	pH units	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Alkalinity as CaCO3	151	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Conductivity	500	uS/cm	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Total Dissolved Solids	325	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Oil & Grease	<1	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Total Organic Carbon	4.1	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Dissolved Organic Carbon	3.7	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Aluminum (Total)	0.058	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Arsenic (Total)	0.00014	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Barium (Total)	0.0262	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Chromium (Total)	0.00067	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Copper (Total)	0.00112	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Iron (Total)	0.09	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Lead (Total)	0.00008	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Manganese (Total)	0.00473	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Molybdenum (Total)	0.000158	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Nickel (Total)	0.00968	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Strontium (Total)	0.0211	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Uranium (Total)	0.000279	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
897362	MRY-1301A	16-Jul-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	pH	8.16	pH units	Exova Accutest	
897363	MRY-13B	16-Jul-11	Alkalinity as CaCO3	142	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Conductivity	471	uS/cm	Exova Accutest	
897363	MRY-13B	16-Jul-11	Total Dissolved Solids	306	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Oil & Grease	<1	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Total Organic Carbon	4	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Dissolved Organic Carbon	3.6	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Aluminum (Total)	0.0041	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Antimony (Total)	0.00012	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Arsenic (Total)	0.00011	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Barium (Total)	0.0236	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Copper (Total)	0.00104	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Iron (Total)	<0.03	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Lead (Total)	<0.00005	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Manganese (Total)	0.0011	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Molybdenum (Total)	0.000131	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Nickel (Total)	0.0071	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Strontium (Total)	0.0201	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Uranium (Total)	0.000324	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
897363	MRY-13B	16-Jul-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest	
897414	MRY-7	16-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
897414	MRY-7	16-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
897414	MRY-7	16-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	
897414	MRY-7	16-Jul-11	Oil & Grease - Total	0	mg/L	Exova Accutest	
897414	MRY-7	16-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
897423	MRY-7	18-Jul-11	Benzene	<0.5	ug/L	Exova Accutest	
897423	MRY-7	18-Jul-11	Ethylbenzene	<0.5	ug/L	Exova Accutest	
897423	MRY-7	18-Jul-11	Lead (Total)	<0.001	mg/L	Exova Accutest	

Baffinland Iron Mines Corporation

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
897423	MRY-7	18-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
897423	MRY-7	18-Jul-11	Toluene	<0.5	ug/L	Exova Accutest	
897979	MRY-4	20-Jul-11	Biochemical Oxygen Demand	5	mg/L	Exova Accutest	
897979	MRY-4	20-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
897979	MRY-4	20-Jul-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
897979	MRY-4	20-Jul-11	Total Suspended Solids	12	mg/L	Exova Accutest	
897979	MRY-4	20-Jul-11	pH	6.45	pH units	Exova Accutest	
897986	MRY-401	20-Jul-11	Biochemical Oxygen Demand	5	mg/L	Exova Accutest	
897986	MRY-401	20-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
897986	MRY-401	20-Jul-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
897986	MRY-401	20-Jul-11	Total Suspended Solids	12	mg/L	Exova Accutest	
897986	MRY-401	20-Jul-11	pH	7.47	pH units	Exova Accutest	
897987	MRY-402	20-Jul-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest	
897987	MRY-402	20-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
897987	MRY-402	20-Jul-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
897987	MRY-402	20-Jul-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
897987	MRY-402	20-Jul-11	pH	7.51	pH units	Exova Accutest	
899009	MRY-4	25-Jul-11	Biochemical Oxygen Demand	10	mg/L	Exova Accutest	
899009	MRY-4	25-Jul-11	Total Suspended Solids	26	mg/L	Exova Accutest	
899165	MRY-4	25-Jul-11	Faecal Coliforms	50	CFU/100mL	Exova Accutest	
899009	MRY-4	25-Jul-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
899009	MRY-4	25-Jul-11	pH	6.87	pH units	Exova Accutest	
Notes:	The RBC annual maintenance shut down occurred during this reporting period						
900730	MRY-4	01-Aug-11	Biochemical Oxygen Demand	39	mg/L	Exova Accutest	
900656	MRY-4	02-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
900730	MRY-4	01-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
900730	MRY-4	01-Aug-11	pH	7.49	pH units	Exova Accutest	
900730	MRY-4	01-Aug-11	Total Suspended Solids	24	mg/L	Exova Accutest	
902777	MRY-5	09-Aug-11	Biochemical Oxygen Demand	7	mg/L	Exova Accutest	
902844	MRY-5	10-Aug-11	Faecal Coliforms	1700	CFU/100mL	Exova Accutest	
902777	MRY-5	09-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
902777	MRY-5	09-Aug-11	pH	8	pH units	Exova Accutest	
902777	MRY-5	09-Aug-11	Total Suspended Solids	6	mg/L	Exova Accutest	
-	MRY-4b	09-Aug-11	Acute Toxicity*	non-lethal	-	Exova	
-	MRY-4c	09-Aug-11	Acute Toxicity*	non-lethal	-	Exova	
904154	MRY-4	14-Aug-11	Biochemical Oxygen Demand	10	mg/L	Exova Accutest	
904069	MRY-4	14-Aug-11	Faecal Coliforms	10	CFU/100mL	Exova Accutest	
904154	MRY-4	14-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
904154	MRY-4	14-Aug-11	pH	7.14	pH units	Exova Accutest	
904154	MRY-4	14-Aug-11	Total Suspended Solids	30	mg/L	Exova Accutest	
904569	MRY-13-B	16-Aug-11	pH	8.11	pH units	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Alkalinity as CaCO3	163	mg/L	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Conductivity	459	uS/cm	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Total Dissolved Solids (COND - CALC)	298	mg/L	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Phenol	<0.001	mg/L	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Total Organic Carbon	4.1	mg/L	Exova Accutest	
904569	MRY-13-B	16-Aug-11	Dissolved Organic Carbon	3.6	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Aluminum (Total)	0.0039	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Arsenic (Total)	0.00012	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Barium (Total)	0.0251	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Copper (Total)	0.00135	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Manganese (Total)	0.000813	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Molybdenum (Total)	0.000162	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Nickel (Total)	0.00673	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Strontium (Total)	0.0212	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Uranium (Total)	0.000384	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
905650	MRY-13-B	16-Aug-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	pH	8.12	pH units	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Alkalinity as CaCO3	162	mg/L	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Conductivity	455	uS/cm	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Total Dissolved Solids (COND - CALC)	296	mg/L	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Phenol	<0.001	mg/L	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Total Organic Carbon	4	mg/L	Exova Accutest	
904570	MRY-1301-B	16-Aug-11	Dissolved Organic Carbon	3.6	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Aluminum (Total)	0.0046	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Arsenic (Total)	0.00011	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Barium (Total)	0.0242	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Copper (Total)	0.00118	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Manganese (Total)	0.000793	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Molybdenum (Total)	0.000158	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Nickel (Total)	0.00637	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Strontium (Total)	0.0207	mg/L	Exova Accutest	

Baffinland Iron Mines Corporation

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
905651	MRY-1301-B	16-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Uranium (Total)	0.000381	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
905651	MRY-1301-B	16-Aug-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest	
905101	MRY-5	17-Aug-11	pH	8.14	pH units	Exova Accutest	
905101	MRY-5	17-Aug-11	Total Suspended Solids	2	mg/L	Exova Accutest	
905101	MRY-5	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
905101	MRY-5	17-Aug-11	Biochemical Oxygen Demand	2	mg/L	Exova Accutest	
905324	MRY-5	17-Aug-11	Faecal Coliforms	100	CFU/100mL	Exova Accutest	
905086	MRY-9-A	17-Aug-11	pH	7.45	pH units	Exova Accutest	
905086	MRY-9-A	17-Aug-11	Alkalinity as CaCO3	121	mg/L	Exova Accutest	
905086	MRY-9-A	17-Aug-11	Conductivity	691	uS/cm	Exova Accutest	
905086	MRY-9-A	17-Aug-11	Total Dissolved Solids (COND - CALC)	449	mg/L	Exova Accutest	
905086	MRY-9-A	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
905086	MRY-9-A	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Aluminum (Total)	0.0564	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Barium (Total)	0.0451	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Cadmium (Total)	0.000031	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Cobalt (Total)	0.00141	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Copper (Total)	0.00141	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Iron (Total)	0.06	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Lead (Total);Lead	0.00013	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Manganese (Total)	0.0142	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Molybdenum (Total)	0.00385	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Nickel (Total)	0.00109	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Strontium (Total)	0.0338	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Uranium (Total)	0.00472	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
905090	MRY-9-A	17-Aug-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest	
905087	MRY-9-B	17-Aug-11	pH	6.2	pH units	Exova Accutest	
905087	MRY-9-B	17-Aug-11	Alkalinity as CaCO3	11	mg/L	Exova Accutest	
905087	MRY-9-B	17-Aug-11	Conductivity	256	uS/cm	Exova Accutest	
905087	MRY-9-B	17-Aug-11	Total Dissolved Solids (COND - CALC)	166	mg/L	Exova Accutest	
905087	MRY-9-B	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
905087	MRY-9-B	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Aluminum (Total)	0.148	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Barium (Total)	0.0108	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Cadmium (Total)	0.000244	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Chromium (Total)	0.00078	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Cobalt (Total)	0.00066	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Copper (Total)	0.0016	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Iron (Total)	0.16	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Lead (Total);Lead	0.0005	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Manganese (Total)	1.52	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Molybdenum (Total)	0.000486	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Nickel (Total)	0.00189	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Strontium (Total)	0.0366	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Titanium (Total)	0.01	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Uranium (Total)	0.000045	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
905091	MRY-9-B	17-Aug-11	Zinc (Total)	0.0173	mg/L	Exova Accutest	
905088	MRY-902A	17-Aug-11	pH	5.41	pH units	Exova Accutest	
905088	MRY-902A	17-Aug-11	Alkalinity as CaCO3	<5	mg/L	Exova Accutest	
905088	MRY-902A	17-Aug-11	Conductivity	<5	uS/cm	Exova Accutest	
905088	MRY-902A	17-Aug-11	Total Dissolved Solids (COND - CALC)	<1	mg/L	Exova Accutest	
905088	MRY-902A	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
905088	MRY-902A	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Aluminum (Total)	<0.0030	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Barium (Total)	<0.000050	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Copper (Total)	<0.00050	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Manganese (Total)	<0.000050	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Molybdenum (Total)	<0.000050	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Nickel (Total)	<0.00050	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Strontium (Total)	<0.00010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Uranium (Total)	<0.000010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
905092	MRY-902A	17-Aug-11	Zinc (Total)	0.0045	mg/L	Exova Accutest	

Baffinland Iron Mines Corporation

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
905089	MRY-903A	17-Aug-11	pH	5.32	pH units	Exova Accutest	
905089	MRY-903A	17-Aug-11	Alkalinity as CaCO3	<5	mg/L	Exova Accutest	
905089	MRY-903A	17-Aug-11	Conductivity	<5	uS/cm	Exova Accutest	
905089	MRY-903A	17-Aug-11	Total Dissolved Solids (COND - CALC)	<1	mg/L	Exova Accutest	
905089	MRY-903A	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
905089	MRY-903A	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Aluminum (Total)	<0.0030	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Barium (Total)	<0.000050	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Copper (Total)	<0.00050	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Manganese (Total)	<0.000050	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Molybdenum (Total)	<0.000050	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Nickel (Total)	<0.00050	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Strontium (Total)	<0.00010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Uranium (Total)	<0.000010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest	
905093	MRY-903A	17-Aug-11	Zinc (Total)	0.0031	mg/L	Exova Accutest	
906085	MRY-4C-1	19-Aug-11	Total Suspended Solids	10	mg/L	Exova Accutest	
906086	MRY-4C-2	19-Aug-11	Total Suspended Solids	43	mg/L	Exova Accutest	
906088	MRY-4C-4	19-Aug-11	Total Suspended Solids	33	mg/L	Exova Accutest	
906089	MRY-4C-5	19-Aug-11	Total Suspended Solids	16	mg/L	Exova Accutest	
906090	MRY-4C-6	19-Aug-11	Total Suspended Solids	27	mg/L	Exova Accutest	
906096	MRY-4C	21-Aug-11	pH	7.7	pH units	Exova Accutest	
906096	MRY-4C	21-Aug-11	Total Suspended Solids	14	mg/L	Exova Accutest	
906096	MRY-4C	21-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
906113	MRY-4C	21-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
906096	MRY-4C	21-Aug-11	Biochemical Oxygen Demand	6	mg/L	Exova Accutest	
906105	MRY-5	22-Aug-11	Total Suspended Solids	4	mg/L	Exova Accutest	
906114	MRY-5	22-Aug-11	Faecal Coliforms	150	CFU/100mL	Exova Accutest	
906105	MRY-5	22-Aug-11	pH	7.31	pH units	Exova Accutest	
906105	MRY-5	22-Aug-11	Biochemical Oxygen Demand	3	mg/L	Exova Accutest	
906105	MRY-5	22-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
906359	MRY-401C	23-Aug-11	Total Suspended Solids	11	mg/L	Exova Accutest	
906360	MRY-402C	23-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
906361	MRY-4C	23-Aug-11	Total Suspended Solids	12	mg/L	Exova Accutest	
906657	MRY-4C	24-Aug-11	pH	9.3	pH units	Exova Accutest	
906657	MRY-4C	24-Aug-11	Total Suspended Solids	22	mg/L	Exova Accutest	
906657	MRY-4C	24-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
906634	MRY-4C	24-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
906657	MRY-4C	24-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest	
907018	MRY-5	25-Aug-11	Total Suspended Solids	4	mg/L	Exova Accutest	
906973	MRY-5	25-Aug-11	Faecal Coliforms	230	CFU/100mL	Exova Accutest	
907018	MRY-5	25-Aug-11	pH	7.22	pH units	Exova Accutest	
907018	MRY-5	25-Aug-11	Biochemical Oxygen Demand	5	mg/L	Exova Accutest	
907018	MRY-5	25-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
907649	MRY-4B	28-Aug-11	pH	7.02	pH units	Exova Accutest	
907649	MRY-4B	28-Aug-11	Total Suspended Solids	19	mg/L	Exova Accutest	
907649	MRY-4B	28-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
907631	MRY-4B	28-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
907649	MRY-4B	28-Aug-11	Biochemical Oxygen Demand	7	mg/L	Exova Accutest	
907650	MRY-401B	28-Aug-11	pH	7.04	pH units	Exova Accutest	
907650	MRY-401B	28-Aug-11	Total Suspended Solids	18	mg/L	Exova Accutest	
907650	MRY-401B	28-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
907632	MRY-401B	28-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
907650	MRY-401B	28-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest	
908043	MRY-4	29-Aug-11	Total Suspended Solids	19	mg/L	Exova Accutest	
908062	MRY-4	29-Aug-11	Faecal Coliforms	6	CFU/100mL	Exova Accutest	
908043	MRY-4	29-Aug-11	pH	7.3	pH units	Exova Accutest	
908043	MRY-4	29-Aug-11	Biochemical Oxygen Demand	12	mg/L	Exova Accutest	
908043	MRY-4	29-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
-	MRY-4b	30-Aug-11	Acute Toxicity*	non-lethal	-	Exova	
	Acute lethality to Rainbow trout (Oncorhynchus mykiss) as per Environment Canada's Protection Series Method (EPS/1/RM/13						
	Acute lethality to Daphnia magna as per Environment Canada's Protection Series Biological Test Method EPS/1/RM/14						
908321	MRY-4B	31-Aug-11	pH	7.34	pH units	Exova Accutest	
908321	MRY-4B	31-Aug-11	Total Suspended Solids	21	mg/L	Exova Accutest	
908321	MRY-4B	31-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
908315	MRY-4B	31-Aug-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest	
908321	MRY-4B	31-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest	
908322	MRY-401B	31-Aug-11	pH	7.39	pH units	Exova Accutest	
908322	MRY-401B	31-Aug-11	Total Suspended Solids	24	mg/L	Exova Accutest	
908322	MRY-401B	31-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
908316	MRY-401B	31-Aug-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest	
908322	MRY-401B	31-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest	
909011	MRY-4	05-Sep-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest	
909065	MRY-4	05-Sep-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
909011	MRY-4	05-Sep-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
909011	MRY-4	05-Sep-11	pH	6.68	pH units	Exova Accutest	
909011	MRY-4	05-Sep-11	Total Suspended Solids	21	mg/L	Exova Accutest	
909007	MRY-5	05-Sep-11	Biochemical Oxygen Demand	7	mg/L	Exova Accutest	
909061	MRY-5	05-Sep-11	Faecal Coliforms	1550	CFU/100mL	Exova Accutest	
909007	MRY-5	05-Sep-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
909007	MRY-5	05-Sep-11	pH	7.51	pH units	Exova Accutest	
909007	MRY-5	05-Sep-11	Total Suspended Solids	9	mg/L	Exova Accutest	
911178	MRY-4	12-Sep-11	Biochemical Oxygen Demand	6	mg/L	Exova Accutest	
911141	MRY-4	13-Sep-11	Faecal Coliforms	2	CFU/100mL	Exova Accutest	
911178	MRY-4	12-Sep-11	Oil & Grease - Tota	<1	mg/L	Exova Accutest	

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 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	Comments
911178	MRY-4	12-Sep-11	pH	7.46	pH units	Exova Accutest	
911178	MRY-4	12-Sep-11	Total Suspended Solids	30	mg/L	Exova Accutest	
915024	MRY-4	03-Oct-11	Biochemical Oxygen Demand	5	mg/L	Exova Accutest	
915052	MRY-4	03-Oct-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
915024	MRY-4	03-Oct-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
915024	MRY-4	03-Oct-11	pH	7.74	pH units	Exova Accutest	
915024	MRY-4	03-Oct-11	Total Suspended Solids	14	mg/L	Exova Accutest	
915027	MRY-5	03-Oct-11	Biochemical Oxygen Demand	41	mg/L	Exova Accutest	
915055	MRY-5	03-Oct-11	Faecal Coliforms	31000	CFU/100mL	Exova Accutest	
915027	MRY-5	03-Oct-11	Oil & Grease - Total	4	mg/L	Exova Accutest	
915027	MRY-5	03-Oct-11	pH	7.23	pH units	Exova Accutest	
915027	MRY-5	03-Oct-11	Total Suspended Solids	108	mg/L	Exova Accutest	
Note: Upset conditions for MRY-5 (Milne RBC) of October 3 were reported resulting in an elevated faecal coliform result. Please note that there was no discharge to the receiving environment from MRY-5 during the month of Octol Treated effluent was transported and discharged to the Mary River PWSP							
919397	MRY-4	20-Oct-11	Biochemical Oxygen Demand	2	mg/L	Exova Accutest	
919431	MRY-4	20-Oct-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
919397	MRY-4	20-Oct-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
919397	MRY-4	20-Oct-11	pH	7.77	pH units	Exova Accutest	
919397	MRY-4	20-Oct-11	Total Suspended Solids	6	mg/L	Exova Accutest	
924858	MRY-4	10-Nov-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest	
924853	MRY-4	10-Nov-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
924858	MRY-4	10-Nov-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
924858	MRY-4	10-Nov-11	pH	7.41	pH units	Exova Accutest	
924858	MRY-4	10-Nov-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
924859	MRY-401	10-Nov-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest	
924854	MRY-401	10-Nov-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
924859	MRY-401	10-Nov-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
924859	MRY-401	10-Nov-11	pH	7.55	pH units	Exova Accutest	
924859	MRY-401	10-Nov-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
924860	MRY-402	10-Nov-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest	
924855	MRY-402	10-Nov-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
924860	MRY-402	10-Nov-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
924860	MRY-402	10-Nov-11	pH	6.78	pH units	Exova Accutest	
924860	MRY-402	10-Nov-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
924861	MRY-403	10-Nov-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest	
924856	MRY-403	10-Nov-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest	
924861	MRY-403	10-Nov-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
924861	MRY-403	10-Nov-11	pH	5.93	pH units	Exova Accutest	
924861	MRY-403	10-Nov-11	Total Suspended Solids	<2	mg/L	Exova Accutest	
929566	MRY-4	01-Dec-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest	
292565	MRY-4	01-Dec-11	Faecal Coliforms	1	CFU/100mL	Exova Accutest	
929566	MRY-4	01-Dec-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
929566	MRY-4	01-Dec-11	pH	8.06	pH units	Exova Accutest	
929566	MRY-4	01-Dec-11	Total Suspended Solids	2	mg/L	Exova Accutest	
935680	MRY-4	22-Dec-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest	
935567	MRY-4	22-Dec-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest	
935680	MRY-4	22-Dec-11	Oil & Grease - Total	<1	mg/L	Exova Accutest	
935680	MRY-4	22-Dec-11	pH	7.95	pH units	Exova Accutest	
935680	MRY-4	22-Dec-11	Total Suspended Solids	<2	mg/L	Exova Accutest	

I:\1\02\00181\32\A\Report\BIM Report 1 - 2012 Water Licence Annual Report\Tables\[Table 2.6 - Water Quality Results AK 12 03 02.xlsx]Table 2.6 2011

NOTES:

1. MRY-401 is a duplicate of MRY-4.
2. MRY-401B is a duplicate of MRY-4B.
3. MRY-401C is a duplicate of MRY-4C.
4. MRY-402 is a Field Blank of MRY-4.
5. MRY-402C is a field blank of MRY-4C.
6. MRY-403 is a Travel Blank of MRY-4.
7. MRY-601 is a duplicate of MRY-6.
8. MRY-902A is a field blank of MRY-9A.
9. MRY-1301A is a duplicate of MRY-13A.
10. MRY-1301-B is a duplicate of MRY-13B.

TABLE 6.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
SUMMARY OF UNAUTHORIZED DISCHARGES

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Date of Occurrence	Quantity	Product Spilled	Cause of Spill	Approximate Location	Proximity to any Water body?	Actions Taken (Summarized)	Spill No.
04-Feb-11	225 m³	Treated Sewage Effluent	Thermal contraction of the WWTF discharge line caused the pipe to separate at a pressure fit coupling along the line.	LAT: 71°19'28", LONG: 79°22'12"	None	Heavy equipment was used to collect and remove all of the contaminated snow, which was place into lined containment (PWSP#2).	2011-001
22-Jun-11	91L	Hydraulic Oil	Caused by a leak on the head of a sonic drilling rig, during drilling operations.	N 7904117, E 574988	None	The oil leaked from the head was cleaned up with spill pads and the hydraulic oil within the drill rods was pumped out and stored in overpack drums to await off-site disposal.	2011-002
03-Jul-11	<10L	Hydraulic Oil	A 18.5 litre plastic pail was observed on the ice of an unmanned lake. Pail was removed and a search could not locate a point of contact nor a spill.	LAT: 71°09'22.7", LONG: 79°26'49.1"	On-Ice	A further search could not identify any visible evidence of hydrocarbons on the lake. Evidence suggests at the time of the incident the pail contained between 0 and 10 litres of hydraulic oil that may have been lost	2011-004
06-Jul-11	200L	P-50 Diesel Fuel	The water intake line for the camp became entrapped in the shifting lake ice, in turn moving the entire pump shack and separating the fuel line for the pump.	LAT: 71°19'32", LONG: 79°22'24"	20 Metres	The building that housed the pump was removed and all contaminated soil was excavated and place into containment. Fuel did not enter the lake.	2011-003
19-Aug-11	<500L	Treated Sewage Effluent	The true level of the effluent holding tank was not indicated as a result of a broken float cable and the tank was allowed to fill past capacity.	Milne Inlet Camp	15 meters	The tank was immediately pumped out and the effluent levels were manually checked until the cable could be repaired.	2011-005
19-Sep-11	400L	P-50 Diesel Fuel	A leak on the bottom side of a bulk fuel bladder. This occurred within engineered secondary containment and there was no discharge to the receiving environment.	LAT: 71°53'00", LONG: 80°54'16"	None	The contents of the bladder were pumped to an adjacent bladder and the free product was collected using the vac truck.	2011-006

TABLE 10.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
MEETINGS WITH PUBLIC, GOVERNMENT AND INUIT ORGANIZATIONS

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Date	Group	Location	Description
January 9, 2011	Qikiqtani Inuit Association	Phone meeting	Discussion status FEIS and next steps
January 24, 2011	INAC, Director Resource Policy	Vancouver	Update on NUPPAA and next steps
January 24, 2011	CANNOR	Vancouver	Baffinland and Northern Project Management Office mapped ways NPMO could support process
January 25, 2011	Indian and Northern Affairs - Nunavut Region	Vancouver	Baffinland provided Operations staff with project and DEIS update
January 25, 2011	Natural Resources Canada	Vancouver	Baffinland met new Director Sustainable Mining
January 25, 2011	Nunavut Impact Review Board	Vancouver	Baffinland met senior NIRB officials to review upcoming EIS process
January 26, 2011	Nunavut Planning Commission	Vancouver	Baffinland met with NPC officials to discuss upcoming review
January 26, 2011	Nunavut Water Board	Vancouver	Baffinland met officials NWB to discuss upcoming review
March 1, 2011	Public	Pond Inlet	QIA summary of DEIS is presented. Presentation of Project Description and Community Benefits and facilitated Q & A
March 2, 2011	Public	Arctic Bay	QIA summary of DEIS is presented. Presentation of Project Description and Community Benefits and facilitated Q & A
March 7, 2011	CANNOR	Toronto	Baffinland met senior official NPMO to discuss upcoming DG meeting
March 23, 2011	DFO, EC, TC, INAC, PCO, Parks, NRCan	Ottawa	NPMO arranged for Baffinland to brief most interested Departments and Agencies on the Project and the DEIS process
March 23, 2011	CANNOR	Ottawa	Baffinland met DM CANNOR to discuss project and northern development
March 24, 2011	Canadian Coast Guard (CCG) - Headquarters	Ottawa	Baffinland met with senior officials of CCG programs to review shipping plans
March 24, 2011	Canadian Transportation Agency	Ottawa	Baffinland and CTA discuss DEIS process and railway Certificate of Fitness process
March 25, 2011	Parks Canada - Headquarters	Ottawa	Baffinland and Parks shared information on plans for new Marine Park area
April 6, 2011	Indian and Northern Affairs - Nunavut Region	Iqaluit	Baffinland and INAC share information on DEIS process
April 12, 2011	Indian and Northern Affairs - Nunavut Region	Iqaluit	Baffinland provided project update to several staff
April 12, 2011	Qikiqtani Inuit Association	Iqaluit	Discussion project status
April 13, 2011	Public	Hall Beach	Joint Baffinland and NIRB community information session and meeting
April 16, 2011	Public	Cape Dorset	Joint Baffinland and NIRB community information session and meeting
April 17, 2011	Public	Kimmirut	Joint Baffinland and NIRB community information session and meeting
April 20, 2011	Fisheries and Oceans - Central and Arctic Region	Burlington	Baffinland and DFO officials on HADD
May 3, 2011	Public	Pond Inlet	Joint Baffinland and NIRB community information session and meeting
May 4, 2011	Public	Arctic Bay	Joint Baffinland and NIRB community information session and meeting
May 9, 2011	Fisheries and Oceans	Teleconference	Discussion Tote Road compensation and monitoring
May 12, 2011	Environment Canada	Ottawa	Baffinland with Manager Environmental Assessment
May 16, 2011	Indian and Northern Affairs Nunavut Region	Iqaluit	Baffinland met INAC officials to discuss DEIS progress
May 17, 2011	Hunters and Trappers Association	Igloolik	Baffinland met with HTO to discuss Steensby port location
May 17, 2011	Public	Igloolik	Baffinland and QIA presentation and discussion of the Steensby Port location
May 17, 2011	Igloolik Hunters and Trappers Association	Igloolik	Baffinland and QIA presentation and discussion of the Steensby Port location
May 17, 2011	NIRB	Cambridge Bay	To discuss process steps
May 17, 2011	Nunavut Planning Commission	Cambridge Bay	To discuss process steps
May 18, 2011	Government of Nunavut	Iqaluit	Baffinland met with GN staff to discuss IR responses
May 18, 2011	Indian and Northern Affairs - Nunavut Region	Iqaluit	Baffinland met with INAC staff to discuss IR responses
May 18, 2011	Environment Canada - Prairie and Northern Region	Iqaluit	Baffinland met with EC staff to discuss IR responses

TABLE 10.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
MEETINGS WITH PUBLIC, GOVERNMENT AND INUIT ORGANIZATIONS

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Date	Group	Location	Description
May 26, 2011	Nunavut Water Board	Teleconference	Discussions on way forward for Pre-Development applications and issues related to co-ordinated process
May 31, 2011	Canadian Coast Guard - Central and Arctic Region and Canadian Hydrographic Service	Sarnia	Baffinland met with regional staff to discuss issues related to shipping
June 8, 2011	Indian and Northern Affairs	Iqaluit	Baffinland met with staff to discuss IR responses
June 8, 2011	Environment Canada - Prairie and Northern Region	Iqaluit	Baffinland met with staff to discuss IR responses
June 8, 2011	Transport Canada - Prairie and Northern Region	Winnipeg	Baffinland provided overview presentation to staff from various disciplines
June 8, 2011	Fisheries and Oceans - Central and Arctic Region	Winnipeg	Baffinland met with senior officials of DFO programs to review project plans
June 9, 2011	Parks Canada - Prairie and Northern Region	Winnipeg	Baffinland met with staff to discuss IR responses
June 16, 2011	Fisheries and Oceans - Headquarters	Ottawa	Baffinland met with senior staff to provide an overview briefing
June 16, 2011	Indian and Northern Affairs - Headquarters	Ottawa	Baffinland met with senior staff to provide an overview briefing
June 17, 2011	Igloolik Mary River Project Committee	Igloolik	Teleconference with committee and QIA on port location concerns in advance to meeting in Igloolik
June 17, 2011	Parks Canada Headquarters	Ottawa	Baffinland met with senior staff to provide an overview briefing
June 17, 2011	Environment Canada	Ottawa	Baffinland met with senior staff to provide an overview briefing
June 19, 2011	Igloolik Mary River Project Committee	Igloolik	Meeting with committee and QIA on concerns relating to the Steensby Port location
June 20, 2011	NIRB, NWB	Cambridge Bay	To discuss joint process and PDW
June 25, 2011	Indian and Northern Affairs - Headquarters	Ottawa	Baffinland senior officials met with senior staff of INAC to discuss project progress
July 5, 2011	Indian and Northern Affairs - Nunavut Region	Iqaluit	Baffinland met with officials to discuss project progress
July 6, 2011	Fisheries and Oceans; Parks; QIA, NPMO	Winnipeg	All day workshop focused on Marine Mammals and shipping
July 7, 2011	Fisheries and Oceans, QIA	Winnipeg	All day workshop focused on HADD issues
July 12, 2011	QIA, Parks, GN, EC, AANDC, NPMO	Iqaluit	All day workshop focused on Caribou and terrestrial issues
July 12, 2011	Environment Canada - Prairie and Northern Region	Iqaluit	Baffinland met with staff to discuss IR responses
July 13, 2011	QIA, Parks, DFO, EC, AANDC, NPMO	Iqaluit	All day workshop focused on marine mammals and shipping
July 14, 2011	QIA, GN, EC, AANDC, NPMO	Iqaluit	All day workshop focused on socio-economic issues
July 15, 2011	Fisheries and Oceans - Central and Arctic Region	Iqaluit	Baffinland met Area Director to review project and DEIS progress
July 21, 2011	Environment Canada Prairie and Northern Region	Edmonton	Baffinland met with senior officials for the region. Discuss Project and review process
August 9, 2011	Government of Nunavut	Iqaluit	Baffinland met to discuss status of EIS process, pre-development works and introduce new team members
August 9, 2011	Aboriginal Affairs and Northern Development - Nunavut Region	Iqaluit	Baffinland met to discuss status of EIS process, pre-development works and introduce new team members
August 9, 2011	Qikiqtani Inuit Association	Iqaluit	Working groups and consultants - Baffinland met to discuss EIS process, pre-development works and introduce new team members
August 10, 2011	Aboriginal Affairs and Northern Development - Nunavut Region	Iqaluit	Baffinland met to discuss permitting, EIS and new training initiatives
August 10, 2011	Government of Nunavut	Iqaluit	Baffinland met to discuss status of EIS process, pre-development works and introduce new team members
August 10, 2011	Aboriginal and Northern Development - Nunavut Region	Iqaluit	Baffinland met EIS co-ordinator to discuss progress of EIS process
August 15, 2011	Public	Igloolik	Introduction to new management and short discussion on Steensby Port
August 16, 2011	Hamlet of Hall Beach	Hall Beach	Introduction to new management and short discussion on Steensby Port with Q & A. Also in attendance QIA and other organizations.
August 16, 2011	HTO and CLARC	Hall Beach	Introduction to new management and short Q & A
August 16, 2011	Hamlet of Igloolik	Igloolik	Introduction to new management and short discussion on Steensby Port
August 16, 2011	NWB, NIRB, AANDC	Edmonton	To discuss content Water License Application
August 17, 2011	Public	Pond Inlet	Introduction to new management and short Q & A

TABLE 10.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
MEETINGS WITH PUBLIC, GOVERNMENT AND INUIT ORGANIZATIONS

Print Mar/22/12 15:28:23

Date	Group	Location	Description
August 17, 2011	Mitimatillik Hunters and Trappers Organization	Pond Inlet	Introduction to new management and short Q & A
August 18, 2011	Public	Arctic Bay	Introduction to new management and Q & A
August 19, 2011	Public	Clyde River	Introduction to new management and Q & A
September 5, 6 2011	QIA, AANDC, NIRB, NWB	Yellowknife	To discuss PDW application and process
September 15, 2011	CANNOR	Ottawa	Baffinland met with senior officials to provide a status of the project
September 15, 2011	Natural Resources Canada	Ottawa	Baffinland met with senior officials to provide a status of the project
September 16, 2011	Aboriginal Affairs and Northern Development - Nunavut Region	Iqaluit	Baffinland met to discuss technical issues related to the review
September 16, 2011	Government Nunavut	Iqaluit	Baffinland met with officials to discuss technical issues related to the review
September 20, 2011	Environment Canada	Iqaluit	Baffinland met with officials to discuss technical issues related to the review
September 22, 2011	Aboriginal Affairs and Northern Development - Nunavut Region	Iqaluit	Baffinland met with senior officials to provide a status of the project
September 22, 2011	Qikiqtaaluk Corporation	Iqaluit	General economic development
September 22, 2011	Qikiqtani Inuit Association	Iqaluit	Discussion on future community meeting plans
September 22, 2011	Fisheries and Oceans	Iqaluit	Baffinland met with officials to discuss relevant aspects of the project and review
October 4, 2011	Fisheries and Oceans	Ottawa	Baffinland met with senior officials to provide a status of the project
October 4, 2011	Fisheries and Oceans - Science Branch	Ottawa	Baffinland met with senior officials to provide a status of the project
October 4, 2011	Aboriginal Affairs and Northern Development	Ottawa	Baffinland met with senior officials to provide a status of the project
October 18, 2011	Government of Nunavut	Iqaluit	Socio-Economic, health, housing discussions
October 18-20, 2011	All Regulators and QIA	Iqaluit	NIRB Technical Meetings DEIS
October 21, 2011	DFO, QIA, EC	Iqaluit	Marine Mammal Monitoring framework
October 21, 2011	Government of Nunavut	Iqaluit	Transport/airport status of Project
November 2, 2011	DFO, EC, QIA	Toronto	Discussion of way forward on marine monitoring
November 4, 2011	Aboriginal Affairs and Northern Development	Ottawa	Baffinland met with Minister's staff to discuss status of the project
November 4, 2011	CANNOR	Ottawa	Discussions senior staff of project status and role of NPMO
November 6-7, 2011	Public	Igloolik	NIRB Community Roundtables and Preliminary Hearing Conference (PHC) with affected communities
November 8, 2011	Government of Nunavut	Iqaluit	Meeting Dept. Finance to discuss financial and economic aspects of project
November 9, 2011	Government of Nunavut	Iqaluit	Meeting Dept. Justice to discuss project components
November 9-10, 2011	Public	Pond Inlet	NIRB Community Roundtables and Preliminary Hearing Conference (PHC) with affected communities
November 10, 2011	Qikiqtani Inuit Association	Edmonton	Discussions to advance socio-economic monitoring
November 16, 2011	Ilisaqsivik Society	Clyde River	Consultant meeting to discuss socio-economic issues
November 16-17, 2011	Arctic College	Clyde River	To explore training considerations
November 17, 2011	Hamlet of Clyde River	Clyde River	Meeting with Economic Development Officer
November 17, 2011	Piqqusilirivvik Culture School	Clyde River	To explore possible future interactions
November 18, 2011	Hamlet Economic Development Committee	Pond Inlet	Meeting with Economic Development Officer
November 18, 2011	Hamlet Economic Development Committee	Pond Inlet	Discussion general economic development issues
November 18, 2011	Arctic College	Pond Inlet	Explore future training issues
November 19, 2011	Nunavut Arctic College	Iqaluit	To explore future training initiatives

TABLE 10.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
MEETINGS WITH PUBLIC, GOVERNMENT AND INUIT ORGANIZATIONS

Print Mar/22/12 15:28:23

Date	Group	Location	Description
November 20, 2011	Government of Nunavut	Iqaluit	Economic Development official to discuss project
November 20, 2011	QIA, EC, DFO	Teleconference	Planning discussion for Environmental Baseline Program
November 21, 2011	Kakivak Association	Iqaluit	Discussions socio-economic issues of interest
November 21, 22 2011	Socio-economic Monitoring Committee	Iqaluit	Baffinland active participation
November 23, 2011	QIA, AANDC, GN	Iqaluit	To discuss draft Socio-economic Monitoring Framework
November 23, 2011	Nunavut Bureau of Statistics	Iqaluit	To discuss aspects of the project and potential indicators
November 25, 2011	CANNOR, AANDC, DFO, EC,TC	Ottawa	CANNOR facilitated meeting to discuss project status
November 25, 2011	CANNOR, AANDC	Ottawa	Meeting senior officials to review project status
November 28, 2011	Aboriginal Affairs and Northern Development	Iqaluit	Status pre-Development Works
November 28, 2011	Government of Nunavut	Iqaluit	Status pre-Development Works
November 28, 2011	QIA, Representatives Pond Inlet, Cape Dorset	Iqaluit	Status of Project and general discussion
November 29, 2011	Fisheries and Oceans	Iqaluit	Status pre-Development Works and plans for marine monitoring
December 6, 2011	QIA, Fisheries and Oceans	Teleconference	Advance plans for Marine Monitoring
December 11, 2011	Qikiqtani Inuit Association	Chelsea, PQ	Advance socio-economic framework
December 13, 2011	Transport Canada - Rail	Ottawa	Discussions various aspects of regulatory requirements for rail development
December 20, 2011	CANNOR, EC, AANDC, TC, DFO	Ottawa	CANNOR facilitated meeting to discuss project status
December 22, 2011	Environment Canada	Teleconference	Discussion of MMER requirements -Aquatic Effects Monitoring Plan
January 4-5, 2012	QIA Planning Group on Community Based Monitoring - Pond Inlet, Hall Beach, Cape Dorset, Kimmirut, Igloolik representatives	Igloolik	Baffinland funded and participated in a workshop to develop a proposal for a community based monitoring program focused on the marine environment

I:\1\02\00181\32\A\Report\BIM Report 1 - 2012 Water Licence Annual Report\Tables\[Table 10.1 - 2011 Meetings with Public Government and Inuit Organizations.xlsx]Table 10.1

TABLE 10.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2011 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
STAKEHOLDER SITE VISITS TO MARY RIVER

Print Mar/22/12 15:29:02

Date	Organization or Group
July 5 & 6, 2011	Transport Canada
July 8, 2011	Community members from Pond Inlet, Arctic Bay, Igloolik, including Elders, members of the QIA
July 9, 2011	
July 10, 2011	
July 11, 2011	INAC
July 11-16 2011	Environment Canada - Water Survey
July 27, 2011	QIA
August 7 - 9, 2011	DFO
August 11 - 14 2011	AANDC, EC Inspections and AANDC EA
August 12 - 15, 2011	INAC
August 31 - September 1, 2011	QIA
September 7, 2011	AANDC Iqaluit; EC - Iqaluit and Yellowknife;CANNOR - Yellowknife;TC - Winnipeg;Parks - Calgary
September 21, 2011	AANDC Iqaluit and Ottawa; EC -Edmonton; TC - Winnipeg; DFO - Iqaluit and Burlington; City of Iqaluit; GN

I:\1\02\00181\32\A\Report\BIM Report 1 - 2012 Water Licence Annual Report\Tables\[Table 10.2 - 2011 Stakeholder Site Visits to Mary River.xlsx]Table 10.2

FIGURES

XREF FILE(S): IMAGE FILE(S): 4 Baffinland logo-big corp NORTH BAFFINLAND

grQ/q5
LEGEND:

- wu6 WATER
- b4m3=sJ6 kNz CAMP LOCATION
- kNo4 COMMUNITY

xqiz
0NMs5b3ymJ6# 40 20 0 40 80 120 160 200 rMub
SCALE (APPROX.) km

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	19MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

Baffinland Iron Mines Corporation

k]l]/i s/C4ys3g5 MARY RIVER PROJECT

WoE=sJ6 kNzb kNaxz
PROJECT LOCATION MAP

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 **FIGURE** **1.1**

NORTH BAY ON SAVED: I:\1\02\00181\32\AA\acad\FIGS\A01_r0_3/19/2012 9:15:52 AM PRINTED: 3/19/2012 9:16:41 AM A_Landscape_amoore

SAVED: I:\1\02\00181\32\A\Acad\FIGS\B01_r0 , 3/19/2012 9:18:54 AM , AMOORE PRINTED: 3/19/2012 9:20:11 AM , Layout1, AMOORE
XREF FILE(S): TOPO - 01 - MAR 06 2009; INUIT OWNED LANDS - SURFACE AND SUBSERFACE - 01 - MAR 05 2009; RAILWAY ALIGNMENT - MARY RIVER STEENSBY - OCT 07 2008; ROAD EXISTING - 01 - MAR 05 2009; ROAD TOTE AS-CONSTRUCTED - 01 - JAN 29 2008; RAILWAY CONSTRUCTION ACCESS ROAD -01 - OCT 15 2008; RAILWAY CONSTRUCTION CAMPS - 01 - SEPT 19 2008; BIM_CLAIMS_DEC_2011 IMAGE FILE(S): Baffinland logo-big corp

500000 E
550000 E
600000 E
650000 E
8000000 N
7950000 N
7900000 N
7850000 N
7800000 N
7750000 N
N
MILNE INLET
gM4b3=4 e a x 8 i
MILNE PORT
e a x b f z
PHILLIPS CREEK
PI-19
PI-20
PI-14
PI-12
PI-13
PI-15
PI-17
PI-16
Z?mgc4f5 WJ8Nst bDtQym/q5 kNj5
CROWN MINERAL CLAIMS
e a x i x3d t syv3b3=4
MILNE INLET TOTE ROAD
c5t4g6
KATIKTOK LAKE
m4s5 by6 r2XE4yymJ6 w i3= z ?Nnst o4 %u4
MCOUAT LAKE BLOCK
DEPOSIT NO. 5
N i / symJ6 $ s/C4b3i3j5 WJ8Nst @$*#
DEPOSIT NO. 4 MINING LEASE 2483
N i / symJ6 %
DEPOSIT NO. 5
N i / symJ6 ! s/C4b3i3j5 WJ8Nst @$*$
DEPOSIT NO. 1 MINING LEASE 2484
k]l]Y i b4m3=s J6
MARY RIVER CAMP
gk f z r2XE4yymJ6 wM4f z J6 w i z ?Nnsto4 &u4
TURNER RIVER BLOCK
DEPOSIT NO. 7
er6b-i wkw5 vg0pcqQqb `c z k5 kNs3 i`Ns/osChxDts2 xg6gx6bsJ2 r[o z
QIA SURFACE COMMERCIAL LEASE BOUNDARY
y3uo4 by6 WJ8Nstc3=o4 wM4f z J6 n=4no4 ?Nnst z ^
GLACIER LAKES CLAIMS
DEPOSIT NO. 6
kNK5 g8z=4f5 x7m1 X?8M8f5 vg0p9lt4 WoEctc3=z !^^(%i4 xqio4
NTI BAFFINLAND JOINT VENTURE AREA 16,695 HA
N i / symJ5 @, x7m # s/C4b3i3j5 WJ8Nst @$*%
DEPOSIT NOS. 2, AND 3
MINING LEASE 2485
w4Wr5g3Jx2 f z n=4nc3=4 wM4f z J6 ?Nnsto4 *u4
NORTH COCKBURN RIVER DEPOSIT NO. 8
sx1N z vq6OmJ2 f z n=4nc3=4 wM4f z J6 ?Nnsto4 (u4
NORTH ROWLEY RIVER
DEPOSIT NO. 9
i Qx i5g6 r4o oxEymJ6 er3bl4u kNs5 X3N4bs i z k5
SOUTHERN BOUNDARY OF NORTH BAFFIN PLANNING REGION
x z J3Jx l4 by6
ANGAJURJUALUK LAKE
by l4
QUARTZ LAKE
yfhw5go4
NINA BANG LAKE
w4Wr5g3Jx5 f z
COCKBURN RIVER
vq3OmJ5 f z
ROWLEY RIVER
kNystfb4 xdtQix3bz
PROPOSED RAILWAY
nN/s i z x3dyxEymJ6
CONSTRUCTION ACCESS ROAD
by3Jx6
ERICHSEN LAKE
wkvJw5 f z
RAVN RIVER
bE5 i6
TARIJUAQ ARM
w4Wr5g3Jx6u gM4b3=4
STEENSBY PORT
vq3L4Jx6
STEENSBY INLET

grQ/q5

LEGEND:

- wu6 — WATER
- wkw5 kNdtzi _ czi n=4nw5 Wcystq9lQ5 — INUIT OWNED LAND - SURFACE ONLY EXCLUDING MINERALS
- wkw5 kNdtzi _ czi xbil Wcystlq5 n=4nsiq5 — INUIT OWNED LAND - SURFACE AND SUBSURFACE INCLUDING MINERALS
- n=4nc3izb r4oz kNzi W/symJ6 — MINERAL LEASE BOUNDARY
- Z?mgc4f5 kNdtz — CROWN LAND
- gxX4b3=sJ6 G wkw5 kNdtzi rNs/4nsbsJ6H — EXISTING BORROW AREA (IOL COMMERCIAL LEASE)
- gxX4b3=s?Qg6 G wkw5 kNdtzi rNs/4nsbsJ6H — EXISTING ROCK QUARRY (IOL COMMERCIAL LEASE)
- kNK5 g8z=4f5 cspNh[=Q/z5 — NTI EXPLORATION AREA
- Z?mgc4f5 WJ8NstbDtQym/q5 kNj5 — CROWN MINERAL CLAIMS

- eaxi x3dt syv3b3=4 — MILNE INLET TOTE ROAD
- kNystfb4 xdtQix3bz — PROPOSED RAIL ALIGNMENT
- x3dtoxE/sJmJ6 sX4b3=siz — PROPOSED CONSTRUCTION ACCESS ROAD
- f4g6FfZM4g6Ff==sJ6 — RIVER/STREAM/DRAINAGE
- cw4c4nwi6 — CONTOUR
- ᐊᖏᖅᑕᐅᓴᒪᓪᓚᒃ ᓄᓇᒋᐅᐳᓕᐅᐱᓪᓚᖃᓐᓂᐊᖅᑎᒥ ᐃᓱᒪᓕᕐᓂᖅ — PROPOSED TEMPORARY CONSTRUCTION CAMP

NOTES:

1. BASE MAP: © HER MAJESTY THE QUEEN IN RIGHTS OF CANADA, DEPARTMENT OF NATURAL RESOURCES (2004). ALL RIGHTS RESERVED.
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES. CONTOUR INTERVAL VARIES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC.
5. BIM CLAIM BOUNDARIES PROVIDED BY BAFFINLAND IRON MINES CORPORATION, DECEMBER 12 2011.

csPm/4nw5

1. kNax9lxbw5: fw8 vNbj5
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) ZONE 17
3. tt3ymJ5 ub: xd8iq5 szy4tQ4g5 x0pQq5g5
4. kNystfb4 x3dt4nz CANARAIL CONSULTANTS INC

xqiz 8 4 0 10 20 30 40 rMub km
SCALE A

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	19MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

Baffinland Iron Mines Corporation

k]l]Y i s/C4ys3g5 MARY RIVER PROJECT

wiQ/q5 ckw=sJ5 **LOCATION OF PROJECT ACTIVITIES**

Knight Piésold CONSULTING

P/A NO. NB102-181/32 | REF NO. NB12-00062

ttCs/3ymJ6 **FIGURE 1.2** | REV 0

501500 E
502000 E
502500 E
503000 E
503500 E
504000 E
504500 E
505000 E
7977000 N
7976500 N
7976000 N
7975500 N
7975000 N

e a x
MILNE INLET

wfbli x o niL t4 XiN4=Q i f z5 x e4hiLQ5 yvs5 GWibsMs\g6 sgWE @))*i
TEMPORARY SPUD BARGE ARRANGEMENT (REMOVED OCTOBER 2008)

wm\u4 hDiymJu4 f=3bi=4
EFFLUENT DISCHARGE LOCATION TO RECEIVING ENVIRONMENT

w i Q/ z
LAYDOWN AREA

n=4n/4 xm l n=4n/5 vbi l f5 w8 i z
ORE PAD AND RESIDUAL ORE

TEMPORARY ASH STORAGE AREA

n l7minw=4 f=/sJk5 wulj5 byoxEymJ6
POLISHING/WASTE STABILIZATION POND

s3hx l c s t5 cbs/3ax5
BULK FUEL STORAGE TANK

s3hx l c s t4f=4
FUEL STORAGE

s3hc s t4f=4 kN z
FUEL FARM

wr5t=4
INCINERATOR

x5biNigk5 v t5t=4 c5t4yo\ymJu4 x? l ymJ6
HAZARDOUS WASTE BERM

x=4ymJ t s3hlu4 xm l
OWS AREA

gWc\=5 b1m\ym=1
TENT CAMP

w l X0t c\g6 w o s cw=4
LINED STORAGE AREA

s3hx l 1u4 w\ulhw=4
BULK FUEL LOAD OUT AREA

n8f kNQ/sJ6
TRAILER CAMP

hNfbc\=4 wrx\uc\g6
LINED STORAGE

f=/s?9oxJj5 wuij5 n l7minw=4
WASTE WATER TREATMENT FACILITY

nN=4
GARAGE

u5bi=4
AIRSTRIP

w i Q/ z
LAYDOWN AREA

e a x i x3d t syv3bi=4
MILNE INLET TOTE ROAD

whmQ/sJ6 kN c k w o y m q g6 N i i z
PROPOSED LANDFARM LOCATION

w4 l CM6
EXISTING HTO CABIN

gxX4bi=s J6 !
ROCK QUARRY NO. 1

yM8 i x]=4
MILNE INLET METEOROLOGY STATION 400 m (7975275 m N, 505832 m E)

xJ q t bs J5 w lglymJ6 w4r t5t=4
PERMITTED OPEN BURN PIT AREA

gxX4bi=4
BORROW PITS

wligibsJ6 gxX4bi=sJ6 !
BORROW SOURCE NO. 1

25
50
75
100

grQ/q5l
LEGEND:

- wu6 WATER
- nCs i z kN WETLAND
- w i Q/ z LAYDOWN AREA
- kNs5 c z i WJ8NstQ/sJ5 6 wkw5 kNz i rNs/4nsbsJ5l BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
- f4g6FfZM4g6Ff==sJ6 RIVER/STREAM/DRAINAGE
- Nj f4X9ox4mz5 wms i z i z3g6 DIRECTION OF SURFACE WATER RUNOFF
- e a x i x3d t syv3bi=4 MILNE INLET TOTE ROAD
- x3d t ROAD
- gxX4bi=s?Qg6 6wkw5 kNdtz i rNs/4nsbsJ6l EXISTING ROCK QUARRY (IOL COMMERCIAL LEASE)
- gxX4bi=sJ6 6wkw5 kNdtz i rNs/4nsbsJ6l EXISTING BORROW AREA (IOL COMMERCIAL LEASE)

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	28MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

c s pm/4nw5

1. kNaxoEp5 EAGLE MAPPING (2005)
2. kNax3 t t3ymiz mo4g6 UTM (NAD83) ZONE 17
3. t t3ymJ5 ub: xd8iq5 s z y4tQlg5 % ub

NOTES:

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 5 METRES.

xqiz SCALE 100 50 0 100 200 300 400 500 ub m

Baffinland Iron Mines Corporation

k]lJyi s/C4ys3g5 MARY RIVER PROJECT

m8N ckwoz8iz utmbos2 eax8i
EXISTING SITE LAYOUT AT MILNE INLET

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/32	NB12-00131

t tCs/3ymJ6 FIGURE 1.3 REV 0

SAVED: l:\10\ZC\00181\32\AA\dwg\FIGS\[ZC-(NB12-00131) JI 27/2012 3:56:16 PM by AMOORE, g PRINTED: 3/27/2012 4:00:47 PM by AMOORE
XREFs: (S) DZC00181A1_ZC-(NB12-00131) JI.dwg, (S) DZC00181A2_ZC-(NB12-00131) JI.dwg, (S) DZC00181A3_ZC-(NB12-00131) JI.dwg, (S) DZC00181A4_ZC-(NB12-00131) JI.dwg, (S) DZC00181A5_ZC-(NB12-00131) JI.dwg, (S) DZC00181A6_ZC-(NB12-00131) JI.dwg, (S) DZC00181A7_ZC-(NB12-00131) JI.dwg, (S) DZC00181A8_ZC-(NB12-00131) JI.dwg, (S) DZC00181A9_ZC-(NB12-00131) JI.dwg, (S) DZC00181A10_ZC-(NB12-00131) JI.dwg, (S) DZC00181A11_ZC-(NB12-00131) JI.dwg, (S) DZC00181A12_ZC-(NB12-00131) JI.dwg, (S) DZC00181A13_ZC-(NB12-00131) JI.dwg, (S)

ᓄᓇᕗᑦ ᑲᑎᒪᔨᖅ ᐊᒥᓱᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖅ ᐊᒥᓱᓕᕆᔨᒃᑯᑦ
NORTH BAY, ON.

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8000000

7950000

7900000

500000

550000

Milne Inlet

Angajurjualuk Lake

N

ᐊᓯᖏᓐᓂᒃ ᑲᑎᒪᔨᖅ ᐊᒥᓱᓕᕆᔨᒃᑯᑦ
MILNE INLET CAMP AND PORT

MRY-1
MRY-2
MRY-3
MRY-4
MRY-4A
MRY-5
MRY-6
MRY-7
MRY-9
MRY-10
MRY-11
MRY-12
MRY-13
MRY-5a

ᒪᐃᕕᓂᖅ ᑲᑎᒪᔨᖅ
MARY RIVER CAMP

ᐊᓯᖏᓐᓂᒃ ᑲᑎᒪᔨᖅ ᐊᒥᓱᓕᕆᔨᒃᑯᑦ
MARY RIVER SITE

ᐊᓯᖏᓐᓂᒃ ᐊᑐᖅᑕᐅᓂᒃ ᑲᑎᒪᔨᖅ
STOCKPILES

ᐊᓯᖏᓐᓂᒃ ᓯᓚᐃᓂᖅ
LAYDOWN AREA

ᐊᓯᖏᓐᓂᒃ ᓯᓚᐃᓂᖅ
LAYDOWN AREA

ᐅᓴᐅᓕᕐᓂᐅᕈᑦ
FUEL STORAGE

ᐅᓴᐅᓕᕐᓂᐅᕈᑦ ᐊᒥᓱᓕᕆᔨᒃᑯᑦ ᓄᓇᖅ
FUEL FARM

ᐃᓕᓴᕐᓂᖅ
AIRSTRIP

ᐃᓚᖏᓐᓂᒃ ᑲᑎᒪᔨᖅ ᐅᓄᖅᑐᑦ
POLISHING WASTE STABILIZATION POND (PWSP)

ᓴᓇ ᓄᓇᕗᑦᑎᐅᓂᒃ
SHANCO CAMP

ᐃᓚᖏᓐᓂᒃ ᐅᖃᓕᒫᓂᖅ
HAZARDOUS WASTE STORAGE

ᓄᓇᕗᑦᑎᐅᓂᒃ 1 ᑎᑎᕋᐅᓕᖅ ᐱᓕᕆᔨᒃᑯᑦ 2484
DEPOSIT NO. 1
MINING LEASE 2484

ᓴᖅᑭᑎᒃᓯᓂᒃ ᑲᑎᒪᔨᖅ ᐃᓗᐊᓕᖅᑲᓂᖅ
BULK SAMPLE PIT

ᓄᓇᕗᑦᑎᐅᓂᒃ 2, 3 ᐊᒻᒪ 3H ᑎᑎᕋᐅᓕᖅ ᐱᓕᕆᔨᒃᑯᑦ 2485
DEPOSIT NOS. 2, 3, AND 3B
MINING LEASE 2485

ᓄᓇᕗᑦᑎᐅᓂᒃ 4
ᑎᑎᕋᐅᓕᖅ ᐱᓕᕆᔨᒃᑯᑦ 2483
DEPOSIT NO. 4
MINING LEASE 2483

ᓴᖅᑭᑎᒃᓯᓂᒃ ᐃᓐᓇᒃᓗ ᓄᓕᐊᑎᒋᔭᖅ 5ᒥᑦ
DEPOSIT NO. 5
(APPROXIMATE LOCATION)

EFFLUENT DISCHARGE LOCATION TO RECEIVING ENVIRONMENT

ᑲᑎᒪᔨᖅ ᐊᑐᖅᑕᐅᓂᒃ ᑲᑎᒪᔨᖅ
STOCKPILES

ᐃᓐᓇᒃᓗ ᑎᑎᕋᐅᓕᖅ ᐱᓕᕆᔨᒃᑯᑦ ᐊᑐᖅᑕᐅᓂᒃ ᑲᑎᒪᔨᖅ
LAYDOWN AREA

ᐅᓴᐅᓕᕐᓂᐅᕈᑦ
FUEL STORAGE

ᐃᓐᓇᒃᓗ ᑎᑎᕋᐅᓕᖅ ᐱᓕᕆᔨᒃᑯᑦ ᐊᑐᖅᑕᐅᓂᒃ ᑲᑎᒪᔨᖅ
FUEL FARM

ᐃᓕᓴᕐᓂᖅ
AIRSTRIP

ᓴᖅᑭᑎᒃᓯᓂᒃ ᑲᑎᒪᔨᖅ ᐅᓄᖅᑐᑦ
POLISHING WASTE STABILIZATION POND (PWSP)

ᓴᓇ ᓄᓇᕗᑦᑎᐅᓂᒃ
SHANCO CAMP

ᐃᓚᖏᓐᓂᒃ ᐅᖃᓕᒫᓂᖅ
HAZARDOUS WASTE STORAGE

ᓄᓇᕗᑦᑎᐅᓂᒃ 4
ᑎᑎᕋᐅᓕᖅ ᐱᓕᕆᔨᒃᑯᑦ 2483
DEPOSIT NO. 4
MINING LEASE 2483

ᓴᖅᑭᑎᒃᓯᓂᒃ ᐃᓐᓇᒃᓗ ᓄᓕᐊᑎᒋᔭᖅ 5ᒥᑦ
DEPOSIT NO. 5
(APPROXIMATE LOCATION)

ᒪᐃᕕᓂᖅ ᐊᓯᖏᓐᓂᒃ ᑲᑎᒪᔨᖅ
MARY RIVER SITE

Angajurjualuk Lake

ᑐᑭᓯᐅᖏᑦ LEGEND:

- ᐃᒥᒃ WATER
- ᓴᐃᖅᑭᖓᓗᒃ ᐊᑐᖅᑐᕐᓂᐅᕈᑦ ᑭᓚᒥᑦᑐᖅᓯᒪᓂᖅ MINERAL LEASE BOUNDARY
- ᓴᐃᓚᖅᓂᒃ ᐃᓐᓇᒃᓗ ᓄᓕᐊᑎᒋᔭᖅ 5ᒥᑦ DEPOSIT NO. 5 (APPROXIMATE LOCATION)
- ᓂᐅᑐᒃ/ᑯᓚᓪᓕᐅᒃ/ᑯᐃᓇᐅᑉᐳᒃ RIVER/STREAM/DRAINAGE
- ᑭᖑᓪᓕᓂ ᐊᖏᔪᑎ ᐅᓪᓚᒥᑦᑐᐃᓐ MILNE INLET TOTE ROAD
- ᓄᓇᓪᓚᑎᑯᑦ ᐊᖏᔪᑎᑐᓂᐊᑦᑎᓪᓗ PROPOSED RAIL ALIGNMENT
- ᐊᖏᔪᓐᑎ ᐃᑯᑦᓄᓂᖅ ᐊᑲᓪᓚᐃᓐ EXISTING TRAILS FOR DRILLS
- ᐃᓚᒥᑦ ᖃᐅᔨᓴᓂᐃᓐ WATER LICENCE MONITORING LOCATION

NOTES:

1. BASE MAP: © HER MAJESTY THE QUEEN IN RIGHTS OF CANADA, DEPARTMENT OF NATURAL RESOURCES, (2004). ALL RIGHTS RESERVED.
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES. CONTOUR INTERVAL VARIES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC.
5. INFRASTRUCTURE, AND WATER LICENCE, MONITORING LOCATIONS PROVIDED BY BAFFINLAND.
6. INFRASTRUCTURE AT MILNE INLET AND MARY RIVER NOT SHOWN FOR CLARITY.

ᖃᐅᔨᓴᓂᖅ
1. ᓄᓇᕗᒻᒥᐅᑕᐃᑦ ᐃᓄᐃᑦ ᑲᓇᑕᒥ
2. ᓄᓇᕗᐊᓂ ᑎᑎᕋᐅᓕᖅᖢᓂ ᒪᓕᒐᓐᖓᓂᒃ ᐊᒃᑲᓐᓂᖅᐹᒥ ᐃᓄᐃᑦ ᑲᑎᒪᔨᖅ ᖃᐅᔨᓴᓂᖅ
3. ᑎᑎᕋᐅᓕᕐᓂ ᒥᑦᑕ ᐊᖏᓪᓕᕐᓂᑦ ᐅᖃᓕᓂᑎᑎᕋᐅᓕᖅᓂᑦ ᐊᑦᑕᕆᔨᕐᓂᑦ
4. ᓄᓇᕗᐅᑎᓄᑦᑕ ᐊᖏᔪᑎᑐᓂᐊᑦᑎᓪᓗ CANARAIL CONSULTANTS INC.
5. ᐃᓚᓪᓕᔪᐊᑦ ᐊᒪᓗ ᐃᓕᖏᐅᑎᒍᑦ ᓯᐃᓚᐃᓐ ᐃᓕᖅᑦ ᖃᐅᔨᓴᓕᖅᑎᑦ ᐊᖏᔪᑦᑕᐅᓕᖅ ᐸᕐᓇᓚᐅᖓᓂᑦ
6. ᐃᓚᓪᓕᔪᐊᑦ ᑭᖑᓪᓕᓂ ᐊᒪᓗ ᓄᓇᕗᑦᓂ ᑕᐃᔪᕆᐅᑦᑐᑦ ᓂᖓᐃᐅᓄᑦᐊᑯᓗᑦ

LOCATION PLAN

SCALE 1:500,000

5 2.5 0 5 10 15 20 Km

Baffinland Iron Mines Corporation

ᓄᓇᕗᑦ ᑎᑎᕋᐅᓕᖅᑐᑦ MARY RIVER PROJECT

ᑭᖑᓪᓕᓂ ᐊᖏᔪᑎ ᑎᑎᕋᐅᓕᖅᑐᑦ ᐊᒪᓗ ᐃᓕᖅᑎᐅᓂ ᓯᓚᐃᓐᓇᕐᓂᖓ
MILNE INLET TOTE ROAD AND WATER LICENCE MONITORING LOCATIONS

Knight Piésold CONSULTING

P/A NO.	REF	REV
NB102-181/32	NB12-00062	0

FIGURE 1.4

7917494 N
7916250 N
7915000 N
7913750 N
7912500 N
7911250 N
558750 E
560000 E
561250 E
562500 E
563750 E
565000 E
STORAGE AREA
INCINERATOR
PORTABLE WATER PUMP HOUSE
ORIGINAL CAMP
CAMP LAKE
EXISTING CAMP
METEOROLOGY STATION
WASTE WATER TREATMENT FACILITY
EXISTING POLISHING WASTE STABILIZATION PONDS (PWSPS)
HAZARDOUS WASTE CONTAINMENT BERM
BARRELED FUEL LINED CONTAINMENT
SEALIFT LAYDOWN AREA
LAYDOWN AREA
BULK FUEL STORAGE FACILITY
HELIPAD
TEMPORARY ASH STORAGE AREA
AIRSTRIP
HTO CABIN
MILNE INLET TOTE ROAD
SEWAGE DISCHARGE PIPELINE
WESTERN BOUNDARY OF BAFFINLAND NTI MOU - EXPLORATION LANDS
CRUSHER AND STOCKPILE PAD
ROCK QUARRY NO. 2
SHEARDOWN LAKE
EXPLOSIVES MAGAZINES
LANDFILL AND ACCESS ROAD
DEPOSIT NO. 1 MINING LEASE 2484
PROPOSED OPEN PIT OUTLINE
WEATHERED ORE STOCKPILE
HAUL ROAD
BULK SAMPLE PIT
DEPOSIT NOS. 2, 3 AND 3B MINING LEASE 2485

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	28MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

LEGEND:

- WATER
- RIVER/STREAM/DRAINAGE
- BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
- MINING LEASE BOUNDARY
- WESTERN BOUNDARY OF BAFFINLAND NTI MOU - EXPLORATION LANDS

NOTES:

1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. MINE SITE INFORMATION PROVIDED BY GENIVAR DECEMBER 9, 2008.
5. REFER TO PHOTO SHEETS FOR ADDITIONAL DETAIL OF CAMP AREA.

c s pm/4nw5

1. kNaxl ttlymiz mo4g6 UTM (NAD83) Zone 17
2. ttlymJ5 ub: xd8iq5 szy4t(Qg5 t) ub
3. kNaxoEp5 Eagle Mapping (2005)
4. s/C4bl=sJ6 ttCs/lymiz Genivar
5. blml=symJ6 cspviDm=s4 xpaxlu4 bfJNlSt5

SCALE 250 125 0 250 500 750 1000 1250 ub m

Baffinland Iron Mines Corporation

k]l Jy i s/C4ys3g5 MARY RIVER PROJECT

m8N kl/4 ckwoz8iz
EXISTING SITE LAYOUT AT MARY RIVER

Knight Piésold CONSULTING

P/A NO. NB102-181/32 | REF NO. NB12-00131 | REV 0

ttCs/3ymJ6 FIGURE **1.5**

N

7,878,000
7,876,000
7,874,000
7,872,000
7,870,000

594,000
596,000
598,000
600,000
602,000
604,000

52+000
52+000
52+500
53+000
53+500
54+000
54+500
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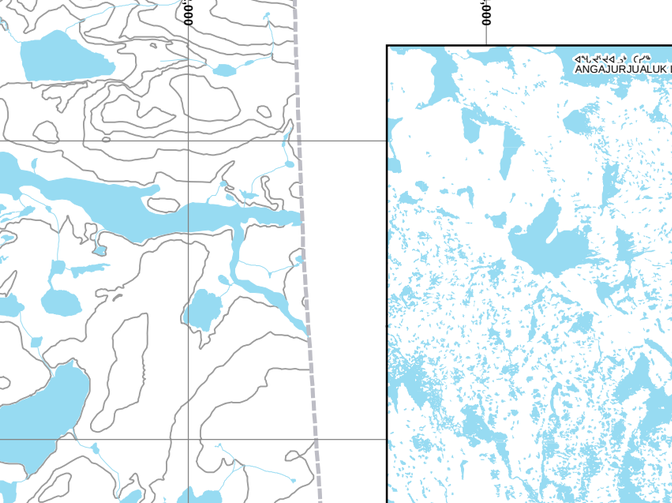
61+000
61+500
62+000
62+500
63+000
63+500

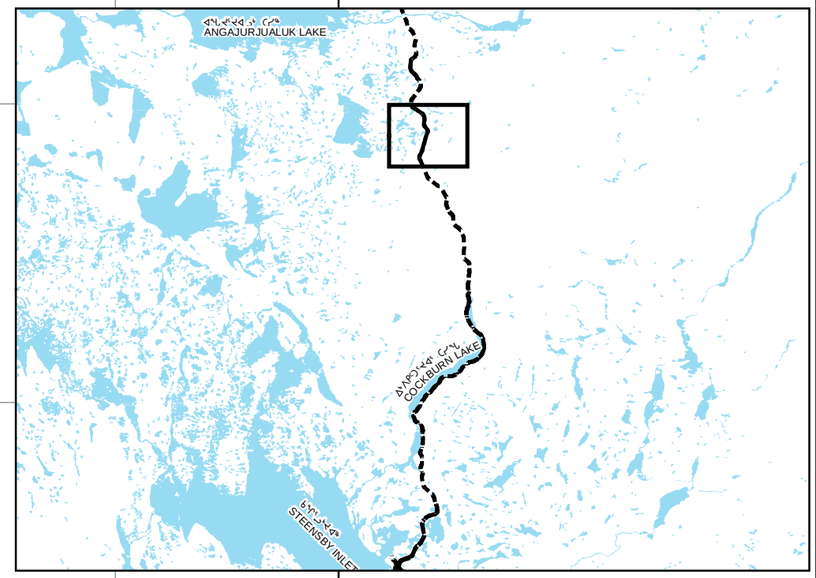
ᓄᓇᕗᑦᓯᓚᐅᑉ ᐊᓂᔪᓚᑦ
PROPOSED RAILWAY ALIGNMENT

ᐊᒃᓂᓕᕆᓂᖅᑐᑦ ᐊᓯᓪᓚᓐᓂᖅᓯᒪᔪᖅ
MID-RAIL DRILL CAMP LOCATION

ᓄᓇᕗᑦᓯᓚᐅᑉ ᐃᓕᓴᕐᓂᓕᖅ
2008 WATER SUPPLY INTAKE

ᐃᓅᓯᕕᒃᑐᖅ ᐃᓕᓴᕐᓂᓕᖅ 10.5 ᒥᑦ
MAX. DEPTH 10.5m





ᑐᑭᓯᓚᐅᖏᓪᓗᑎᑦ
LEGEND:

- ᐃᒥᖅ WATER
- ᐸᑐᕐᓯᓗᓪᓕᐊᑐᖅᓯᒪᔪᖅ RIVER/STREAM/DRAINAGE
- ᓄᓇᕗᑦᓯᓚᐅᑉ ᐊᓯᓪᓚᓐᓂᖅᓯᒪᔪᖅ PROPOSED RAIL ALIGNMENT
- ᐱᒋᖏᓐᓂᑦᑐᖅ ᑕᒪᓐᓇᐅᑉ EXISTING CAMP (CAMP NOT OCCUPIED DURING 2011)

ᖃᐅᔨᒪᔨᖏᓐᓄᑦ
NOTES:

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
   ᓄᓇᔭᐊᓕᓇᓕᒃᑐᑦ EAGLE MAPPING (2005)
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
   ᓄᓇᔭᐊᓂᑦ ᑎᑎᕐᒪᓕᓐᓂᖏᓐ ᒪᓕᓪᓗᒃ UTM (NAD83) ZONE 17
3. CONTOUR INVTERVAL IS IN METRES. CONTOUR INTERVAL IS 2.5 METRES.
   ᑎᑎᕐᒪᓕᐊᑦ ᒥᑦ ᐊᖏᓂᓐᓂᑦ ᑲᖏᕐᓂᑎᓐᓂᔪᑦ 2.5 ᒥᑦ
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CAINARAIL CONSULTANTS INC.
   ᓄᓇᕗᑦᓯᓚᐅᑉ ᐊᖏᔪᓂᓕᖏᓐᓄᑦ CANARAIL CONSULTANTS INC

ᐊᖏᓂᖏᓐᓄᑦ SCALE 500 250 0 500 1,000 1,500 2,000 ᒥᑦ m

Baffinland
Iron Mines Corporation

ᓄᓕᒋᓂ ᐅᓴᖏᓱᐅᔨᔪᑦ MARY RIVER PROJECT

ᒪᑐᓇ ᖃᓄᐃᓕᖏᓐᓂᖏᓐᓂᒃ ᐊᖏᔪᑎᐅᓪᓚᑦ ᐊᐸᓗᐊᖏᓐᓂᑐᓂ ᓄᓇᕗᑦᓯᐅᐸᕐᓇᖅ
EXISTING SITE LAYOUT AT MID RAIL CAMP

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/32	NB12-00062

ᑎᑎᕋᐅᓕᕐᒪᓕᖅ FIGURE 1.6 REV 0

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	19MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

SAVED: I:\1\02\00\181\32\AVGIS\Figs\B02_r0.mxd, Mar 19, 2012 11:05 AM;

v q3L4Jx6
STEENSBY INLET

wr5t=4
INCINERATOR

m8N w4Wr5g3Jx3u kN/sJ6 ck6 xqtQizGbwmNX14
EXISTING STEENSBY INLET CAMP LIMITS (APPROX.)

cbs/3Jxf=4
FUEL DRUM STORAGE

wiQ/z
LAYDOWN AREA

by6 wu3bl=4 bric3g6 # rMub
3 Km LAKE WATER SOURCE

yM8ix3=4
METEOROLOGY STATION

7803750 N
7802500 N
7801250 N
7800000 N
7798750 N

5937000 E
596250 E
597500 E
598750 E

grQ/q5

LEGEND:

- wu6 WATER
- f6g6FfZMdg6Ff==sJ6 RIVER/STREAM/DRAINAGE
- nCsiz kN WETLAND

NOTES:

1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 5 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. OCTOBER 7, 2008.
5. STEENSBY INLET INFRASTRUCTURE PROVIDED BY GENIVAR. DECEMBER 9, 2008.

csm/4nw5

1. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
2. tt3ymJ5 ub: xd8iq5 szy4tQg5 % ub
3. kNaxoEp5 Eagle Mapping (2005)
4. kNystfb4 x3dt4nz Canarail Consultants Inc
5. s/C4bl=sJ6 ttCs/3ymiz Genivar

xqiz SCALE 250 12.5 0 250 500 750 1000 1250 ub m

Baffinland
Iron Mines Corporation

k]lJ/i s/C4ys3g5 MARY RIVER PROJECT

m8N w4Wr5g3Jx6 ck6 xe4ymiz
EXISTING SITE LAYOUT AT STEENSBY INLET

Knight Piésold CONSULTING

P/A NO. NB102-181/32
REF NO. NB12-00062
ttCs/3ymJ6 FIGURE **1.7**
REV 0

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	19MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

SAVED: I:\1\02\00181\32\A\acad\FIGS\[A1_G_3/26/2012 4:04:23 PM - AMOORE PRINTED: 3/26/2012 4:10:55 PM, Layout1, AMOORE
XREF FILES: 5Y1E0G9B1.DGN,A1_GRID.dgn,A1_GRID_02.dgn,A1_TOPO.dgn,A1_TOPO_02.dgn,A1_IMAGE.tif,BLOCK_BORDER.dgn,BLOCK_BORDER_02.dgn

1000 E 2500 E 4000 E 5500 E 7000 E 8500 E X000 E 1500 E

7917000 N
7915500 N
7914000 N
7912500 N
7911000 N

H0-01
G6-01
G0-09
I0-04
L0-01
C0-10
E0-03
F0-02
G0-03
E4-01
E3-01
G0-10
E0-10
F0-01
G0-01

ᐊᑭᓕᖅᑕᐅᓪᓚᕆᔨᖅ ᑭᒧᒃ ᑭᓱᑕᒪᓐᓂᐅ
ᐅᖃᕐᓂᐊᕐᓯᐊᐅᓪᓚᕆᔨᖅ ᖃᓄᐃᑎ ᑲᕐᑎᑎᓂᐊᓘᖏᓐ
PROPOSED OPEN PIT OUTLINE

ᓴᐃᖏᓕᖅᓂᐅᑉ ᐃᑎᕐᓂᐊᕐᓂ
STOCKPILE

BULK SAMPLE PIT

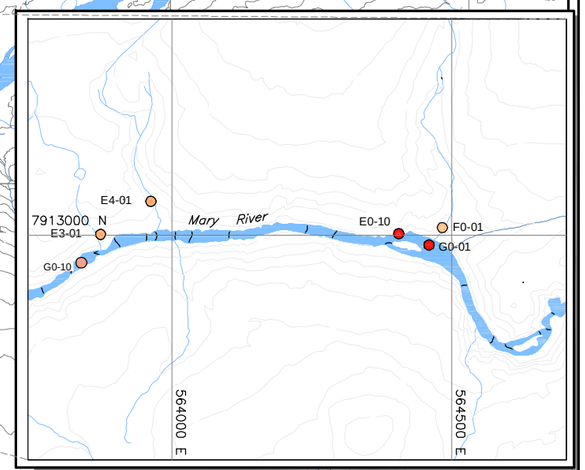
ᐅᓕᐳᑦᑐᓐᓂᐅ ᑭᒧᒪᒃ
HAUL ROAD

ᒪᐃᓕᓴᐅᓂᐊᖅ ᐊᒥᓱᓄᑦ
MILNE INLET TOTE ROAD

ᒍᐊᑦᑐᑎᓂᐊᖅ ᓂᒪᓗ ᐊᑭᓐᓄ
LANDFILL AND ACCESS ROAD

ᓄᓇᕗᒻ ᑕᓕᐊᓂᐊ
SHEARDOWN LAKE

ᒪᐃᓕᓴᐅᓂᐊᖅ
MARY RIVER



ᑐᑭᓯᖏᑦ

LEGEND:

- ᐊᒥᓂ WATER
- ᐃᒪᓐᓇᕐᓂᖏᓐᓄᑦ RIVER/STREAM/DRAINAGE
- ᓯᑕᒻᓂᖅ ᓄᓇ WETLAND
- 2011 ᒥᐃᓚᓐᓂ ᖃᐅᔨᓴᖅ 2011 SAMPLE SITES
- ᖃᐅᔨᓴᖅᑕᐅᓂᐊᕐᓂᑦ ᐊᑎᕐᓂᐊᓂᑦ - ᑲᑎᒪᓂ ᐊᓂᒍᓕᒫᑦᑐᓂᓗ SAMPLE SITES - PREVIOUS YEARS

NOTES:

1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).

ᖃᐅᔨᓴᕐᓚᕐᖑᐊᑦ

1. ᓄᓇᒧᓂᐊᖅ ᑎᑎᕋᓂᖓ ᒪᓕᒐᒃᓴᖓ ᖃᐅᔨᓴᖅ ᒪᓕᒐᒃᓴᖓ ᓴᓇᔪᒃᑯ ᓴᓂᓕᒃ ᓴ
2. ᑎᑎᕋᒪᓕᐊᑦ ᒥᑕ ᐊᑐᓂᓄᑦ ᐅᖃᓕᑎᑎᒍᑦ 5 ᒥᑕ
3. ᓄᓇᒧᓂᐊᓕᓚᐅᑦ ᓇᔨᔪᓗᒃ ᓴᓇᔨᐅᓂᓕᒃ ᑲᓇᑕᒥᐅᓕᖅᑐᖅ

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	19MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

SCALE 0 150 300 500 1000 1500 m

Baffinland
IRON MINES CORPORATION

ᓄᓇᕗᒻ ᐅᖃᖅᑐᒃᑯᑦ MARY RIVER PROJECT

2011ᒥ ᐃᓚᖏᑦ ᖃᐅᔨᓴᕐᑕᐅᓂᖅᐸᑦ ᐃᓄᑦᑐᕆᔨᖅ 1, 2 ᐊᒪᓗ 3.
2011 WATER QUALITY SAMPLE LOCATIONS FOR DEPOSITS 1,2 & 3

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/32	NB12-00062
ᑎᑎᕋᐅᓪᓚᕆᔨᖅ FIGURE: 1.8	REV 0

e a x
MILNE INLET

MMFD-C
MMFD-D
MMFD-E

wfbli x o n i L t 4 XiN4=Q i f z 5 x e 4 h l L Q 5 y v s 5 6 W b s M s l g 6 s g W E @) * ¥
TEMPORARY SPUD BARGE ARRANGEMENT (REMOVED OCTOBER 2008)

wm0u4 hDiymJu4 f=3bl=4
EFFLUENT DISCHARGE LOCATION TO RECEIVING ENVIRONMENT

w i Q / z
LAYDOWN AREA

n=4n/4 xml n=4n/5 vbl l f5 w8 i z
ORE PAD AND RESIDUAL ORE

MI-FTF-012
MI-FTF-011
MI-FTF-010
MI-FTF-006
MI-FTF-004
MI-FTF-005
MI-FTF-001
MI-FTF-015
MI-FTF-013
MI-FTF-014
MI-FTF-009
MI-FTF-008
MI-FTF-007
MI-FTF-003
MI-FTF-002

n l 7 m i n w = 4 f = / s J k 5 w u l j 5 b y o x E y m J 6
POLISHING/WASTE STABILIZATION POND

s 3 h x l c s t 4 f = 4
FUEL STORAGE

s 3 h c s t 4 f = 4 k N z
FUEL FARM

x = 4 y m J t s 3 h l u 4 x m l
OWS AREA

w l X 0 t c i g 6 w o s c w = 4
LINED STORAGE AREA

s 3 h x l 1 u 4 w 7 u l h w = 4
BULK FUEL LOAD OUT AREA

h N f b c] = 4 w r x l u c i g 6
LINED STORAGE

u 5 b] = 4
AIRSTRIP

s 3 h x l c s t 5 c b s / 3 a x 5
BULK FUEL STORAGE TANK

w r 5 t = 4
INCINERATOR

x 5 b i N g k 5 v t 5 t = 4 c 5 t 4 y o 1 y m J u 4 x ? l y m J 6
HAZARDOUS WASTE BERM

g W c] = 5 b 1 m l y m = 1
TENT CAMP

n 8 f k N Q / s J 6
TRAILER CAMP

n N = 4
GARAGE

w i Q / z
LAYDOWN AREA

f = / s 7 9 o x J j 5 w u l j 5 n l 7 m i n w = 4
WASTE WATER TREATMENT FACILITY

e a x i x 1 d t s y v i b] = 4
MILNE INLET TOTE ROAD

w 4 l C M 6
EXISTING HTO CABIN

g x X 4 b] = s J 6 !
ROCK QUARRY NO. 1

y M 8 i x] = 4
MILNE INLET METEOROLOGY STATION 400 m (7975275 m N, 505832 m E)

x J q t b s J 5 w l g l y m J 6 w 4 r t 5 t = 4
PERMITTED OPEN BURN PIT AREA

g x X 4 b] = 4
BORROW PITS

w l 5 g b s J 6 g x X 4 b] = s J 6 !
BORROW SOURCE NO. 1

25
50
75
100

501500 E
502000 E
502500 E
503000 E
503500 E
504000 E
504500 E
505000 E

7977000 N
7976500 N
7976000 N
7975500 N
7975000 N

N

grQ/q5l LEGEND:

- wu6 WATER
- nCs i z kN WETLAND
- w i Q / z LAYDOWN AREA
- kNs5 c z i WJ8NstQ/sJ5 6 w k w 5 kN z i rNs/4nsbsJ5l BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
- f4g6FfZM4g6Ff==sJ6 RIVER/STREAM/DRAINAGE
- Nj f4X9o x4m z 5 w m s i z i z 3 g 6 DIRECTION OF SURFACE WATER RUNOFF
- e a x i x 3 d t s y v 3 b] = 4 MILNE INLET TOTE ROAD
- x 3 d t ROAD
- w f b b s i f kN7u _ y f 7 u s ? 1 8 i 5 N w i 3 n 7 u #! u b w m l u DRILLHOLE WITHIN 31 m OF A WATER BODY
- w f b l b s i f 5 kN7u DRILLHOLE ON LAND
- w f b l b s i f 5 y 4 f 7 u - b E s 7 u DRILLHOLE ON ICE - MARINE
- w 7 u] = 4 y 4 f 7 u WATER SOURCE ON ICE
- kN7u wmc]=4 WATER SOURCE ON LAND
- g x X b] = s ? Q g 6 6 w k w 5 kN d t z i rNs/4nsbsJ6l EXISTING ROCK QUARRY (IOL COMMERCIAL LEASE)
- g x X b] = s J 6 6 w k w 5 kN d t z i rNs/4nsbsJ6l EXISTING BORROW AREA (IOL COMMERCIAL LEASE)

c s p m / 4 n w 5

1. kNaxoEp5 EAGLE MAPPING (2005)
2. kNax3 t t 3 y m i z mo4g6 UTM (NAD83) ZONE 17
3. t t 3 y m J 5 ub: x d 8 i q 5 s z y 4 t Q 4 g 5 % ub

NOTES:

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 5 METRES.

x q i z SCALE 100 50 0 100 200 300 400 500 ub m

REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHK'D	APP'D
0	19MAR'12	ISSUED WITH NWB ANNUAL REPORT	JM	ASM	TM	JM

Baffinland Iron Mines Corporation

k J l Y i s / C 4 y s 3 g 5 MARY RIVER PROJECT

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2011 GEOTECHNICAL DRILLHOLES
MILNE INLET

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/32	NB12-00062

t t C s / 3 y m J 6 FIGURE 1.9 REV 0

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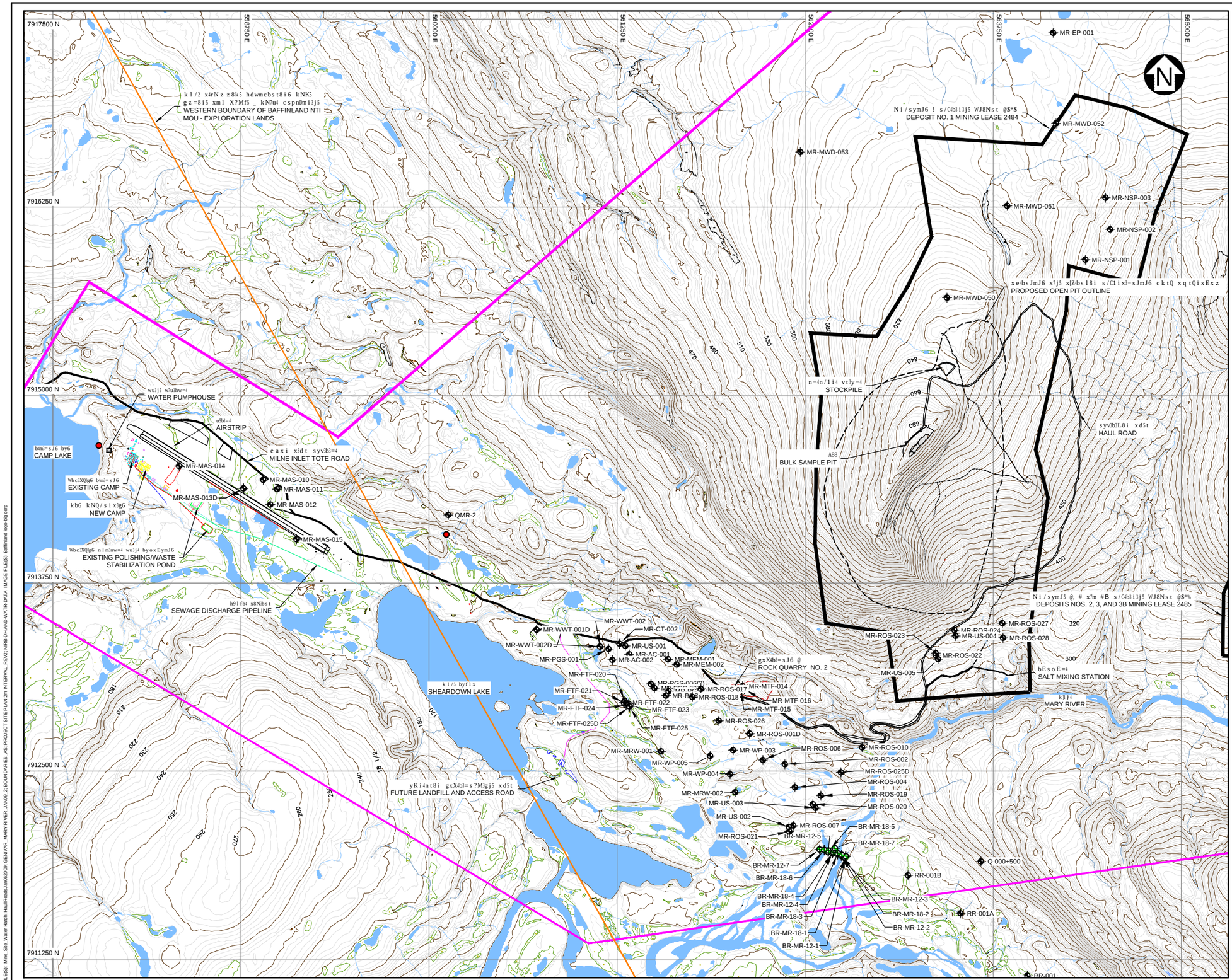
XREFs: Ex1_2010_Milne_Inlet_Aerial_logo3q_conv.exif, 2011_Milne_Inlet_Aerial_logo3q_conv.exif, 2011_Milne_Inlet_Aerial_logo3q_conv.exif, Contours_Milne_Inlet_2011.dwg, Milne_Inlet_Laydown_Areas-01-Oct_7_2008, NRB-DH-AND-WATR-DATA IMAGE FILE(S): 2010-09 13 Milne Inlet Aerial logo3q conv.exif, 2011



grQ/q5

LEGEND:

- wu6 WATER
- X=8M8 (Baffinland) x?m1 kNK5 gz=4f5 xqctQAtz _ kNu4 ei3i3j5 BAFFINLAND NTI MOU - EXPLORATION LANDS
- fqgGFIZMqGfI==s.J6 RIVER/STREAM/DRAINAGE
- kNs5 czi WJ8NstQ/sJ5 0wkw5 kNzi rNs/4nsbsJ5I SURFACE RIGHTS AREA (IOL COMMERCIAL LEASE)
- wfbbsif kN?u _ yf?u s?l8i5 Nwi3n?u #! ub wm1u DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfb1bsif5 kN?u DRILLHOLE ON LAND
- wfb1bsif5 y4f?u - bEs?u DRILLHOLE ON ICE - MARINE
- w?u1=4 y4f?u WATER SOURCE ON ICE
- kN?u wmc1=4 WATER SOURCE ON LAND

NOTE(S):

1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. MINE SITE PROPOSED INFRASTRUCTURE PROVIDED BY AKER KVAERNER DRAWING NO. DWG-0000-G-0001.
5. PROPOSED RAIL ALIGNMENT AND SPURS PROVIDED BY CANARAIL CONSULTANTS INC. JULY 2008.

csm/4nw5

1. kNax1 t t1ymiz mo4g6 UTM (NAD83) Zone 17
2. t t1ymJ5 ub: xd8iq5 szy4tQ4g5 % ub
3. kNaxoEp5 Eagle Mapping (2005)
4. kNystfbi x1dt4nz Canarail Consultants Inc
5. s/C4b1=sJ6 t tCs/1ymiz 64enivar

xqiz SCALE 250 125 0 250 500 750 1000 1250 ub m

Baffinland IRON MINES CORPORATION

k]]Yi s/C4ys3g5 MARY RIVER PROJECT

@)!!u bEs2 wcz8i4 is3gb3i6 _ kl/1i

2011 GEOTECHNICAL DRILLHOLES - MARY RIVER

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

t t Cs/3ymJ6 FIGURE: **1.10**

XREF FILE(S): Mine_Site_Water Hitch: HaulRoads3Jan062009; GENIVAR_MARY RIVER_JAN09_2_BOUNDARIES_AS; PROJECT SITE PLAN 2m INTERVAL_REV2; NRB-DH-AND-WATR DATA IMAGE FILE(S): Baffinland logo-big.corp

NORTHBAY ON; SAVED: I:\1\2009\08113\2\A\Acad\FIGS\B07_r0_ 3/19/2012 10:52:06 AM PRINTED: 3/19/2012 10:52:43 AM Layout1, amoore

c s pv i DmA=5 s x1N z 8 i 4 bfQxDNb5 t t CymJ6 Nn s to4 !.!) FOR DETAILS NORTH OF THIS POINT SEE FIGURE 1.10

MR-ROS-001D
MR-WP-003
MR-ROS-010
MR-ROS-002
MR-WP-005
MR-WP-004
MR-ROS-025D
MR-ROS-004
MR-MRW-002
MR-ROS-019
MR-US-003
MR-ROS-020
MR-US-002
MR-ROS-007
R-MR-18-5
MR-ROS-021
BR-MR-12-5
BR-MR-18-7
Q-000+500
BR-MR-12-7
BR-MR-18-6
RR-001B
BR-MR-18-4
BR-MR-12-3
BR-MR-18-3
BR-MR-18-2
RR-001A
BR-MR-18-1
BR-MR-12-2
BR-MR-12-1
RR-001
CV-001-1
CV-001-2
RR-002
CV-002-2
CV-003-1
Q004+100
k N y s t fb2 x d t Q i x3b z 8 i 4 nN i x3l 8 i e t l xX l x x d t fb2 APPROXIMATE CENTERLINE OF PROPOSED RAIL ALIGNMENT
CV-004-1
RR-003
RR-004
CV-006-1
CV-006-3
Q007+500
RR-005
CV-008-1-1
CV-008-1-2
CV-008-1-3
BR-008-1-1
BR-008-1-2
BR-008-1-3
BR-008-1-4
CV-009-1
RR-006
CV-010-1
Q010+250
BR-011-1-2
BR-011-1-4
BR-011-1-5
BR-011-1-7
RR-008
CV-012-2
RR-009
Q014+500
CV-013-1
CV-013-2
CV-014-3

565000 E
567000 E
569000 E
571000 E
573000 E
575000 E
577000 E
7911000 N
7909000 N
7907000 N
7905000 N

N

grQ/ q5 LEGEND:

- I6g6FfZMdg5Ff==sJ6 RIVER/STREAM/DRAINAGE
- WJN3i6 whc3i z c zb18i kNaxoEi6 LIMITS OF EAGLE MAPPING
- kNys t fb2 x d t Qi x3b z 8 i 4 nN i x3l 8 i e t l xX l x x d t fb2 APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 c s pQx3=4 STATION MARKER (KM)
- n5s i z kN WETLAND
- wfbbs i f kN7u _ yf7u s ? 18i 5 Nwi3n7u #! ub wm3u DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfbJbs i f5 kN7u DRILLHOLE ON LAND
- wfbJbs i f5 y4f7u - bEs7u DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u WATER SOURCE ON ICE
- kN7u wmc3=4 WATER SOURCE ON LAND

c s pm/ 4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 t t3ymi z mo4g6 UTM (NAD83) Zone 17
3. t t3ymJ5 ub: x d8i q5 s z y4tQg5 !) ub
4. kNys t fb4 x3d t4n z Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

x q i z 400 200 0 400 800 1200 1600 2000 m
SCALE A

Baffinland Iron Mines Corporation

k]l]/ i s / C4y s3g5 MARY RIVER PROJECT

w7m6 @)!! N i / s ymJ6 _ kNys t fb2 x d t4n z 8 i

6m4W3gZ6 !u5 !) j 5!

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS RAIL ALIGNMENT (SHEET 1 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

t tCs /3ymJ6 FIGURE: **1.11**

579000 E
581000 E
583000 E
585000 E
587000 E
589000 E
7901000 N
7899000 N
7897000 N
7895000 N
CV-016-1
CV-016-2
Q018+100
CV-017-1
CV-017-2
CV-018-1
CV-019-1
CV-019-2
CV-020-1
CV-020-2
CV-021-2
CV-022-1
CV-022-3
CV-023-1
BR-025-1-1
BR-025-1-2
BR-025-1-4
Q025+500
CV-025-1
CV-025-2
NCV-027-2
Q028+400
RR-012
NCV-028-1
NCV-029-1
Q031+500
NCV-030-1
NCV-031-1
kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2
APPROXIMATE CENTERLINE OF PROPOSED RAIL ALIGNMENT
wv0w5 fz xgoExlbsJNlg6 f[=Q/z !F@F#FSPWFwFw
RAVN RIVER ALTERNATE ROUTE 1 / 2 / 3 / 4 / 5/ B / C

grQ/q5
LEGEND:

- f4g6FfZMqg6Ff==sJ6 — RIVER/STREAM/DRAINAGE
- WJNi6 whc3iz czb18i kNaxoEi6 — LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2 — APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 — cspQx3=4 STATION MARKER (KM)
- n5siz kN — WETLAND
- wfbbsif kN7u _ yf7u s?18i5 Nwi3n7u #! ub wm3u — DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfbibsif5 kN7u — DRILLHOLE ON LAND
- wfbibsif5 y4f7u - bEs7u — DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u — WATER SOURCE ON ICE
- kN7u wmc3=4 — WATER SOURCE ON LAND

csPm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
3. tt3ymJ5 ub: xd8iq5 szy4tQ4g5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

SCALE A 400 200 0 400 800 1200 1600 2000 m

Baffinland Iron Mines Corporation

k3l3Yi s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2 xdt4nz8i

Gm4W3gZ6 @u5 !)j5H

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS RAIL ALIGNMENT (SHEET 2 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: **1.12**

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL 01_Ravn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NRB-DH-AND-WATR-DATA IMAGE FILE(S): Baffinland topo bkg copy Eag.jpg

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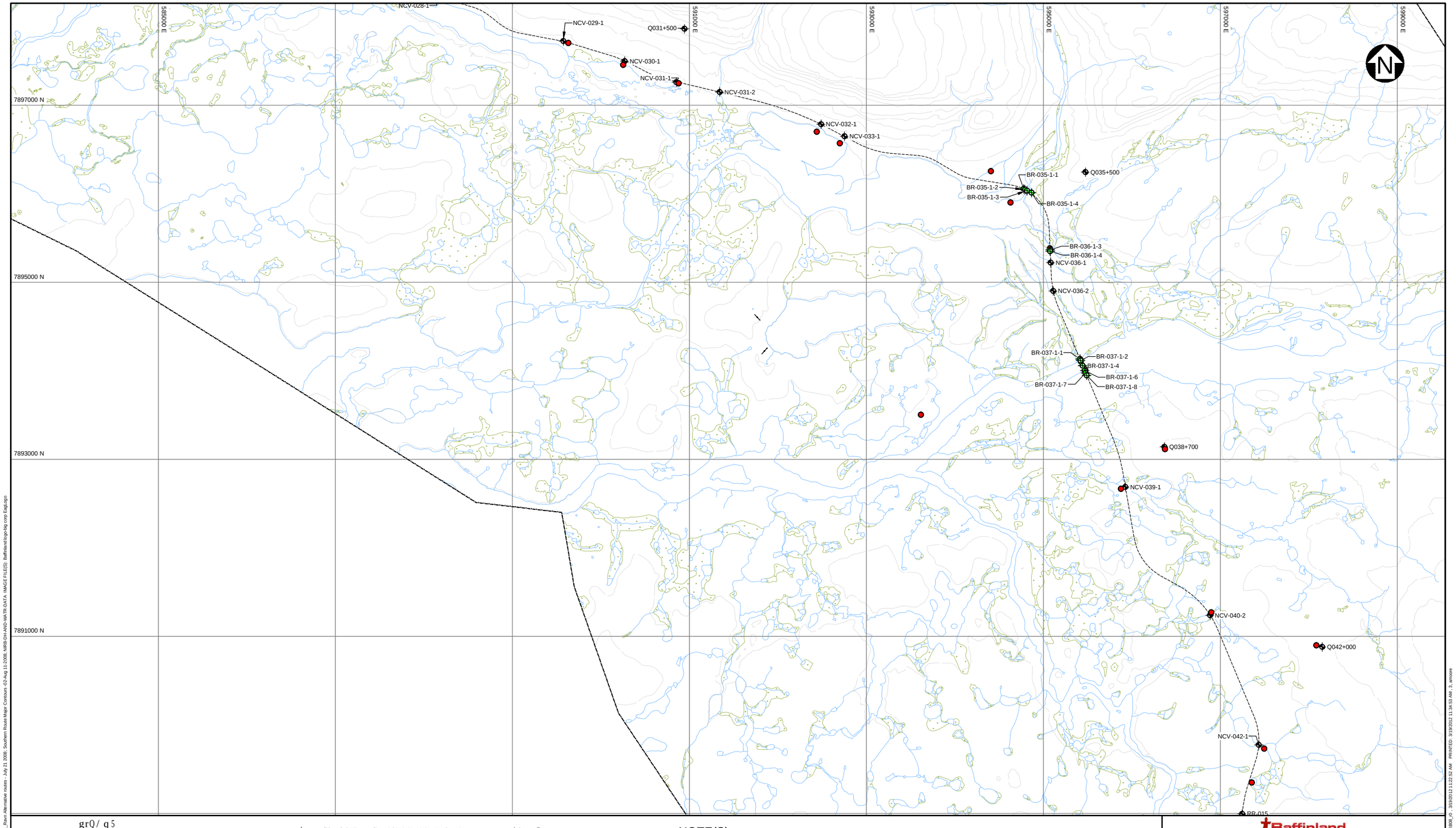

grQ/q5

LEGEND:

- Éig6FfZMdg6Ff==sJ6 — RIVER/STREAM/DRAINAGE
- WJN\i6 whc1iz czb18i kNaxoEi6 — LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQixlbz8i4 nNix3l8i et1xXlx xdtfb2 — APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 cspQx3=4 — STATION MARKER (KM)
- nCsiz kN — WETLAND
- wfbbsif kN7u _ yf7u s?18i5 Nwi3n7u #! ub wm3u — DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfb3bsif5 kN7u — DRILLHOLE ON LAND
- wfb3bsif5 y4f7u - bEs7u — DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u — WATER SOURCE ON ICE
- kN7u wmc3=4 — WATER SOURCE ON LAND

cspm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
3. tt3ymJ5 ub: xd8iq5 szy4tQ4g5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

SCALE A: 400 200 0 400 800 1200 1600 2000 m

Baffinland Iron Mines Corporation

k]l]Yi s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2

xdt4nz8i Cm4W3gZ6 #u5 !)j5U

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS RAIL ALIGNMENT (SHEET 3 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: 1.13

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL; 01_Ravn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NRB-DH-AND-WATR-DATA IMAGE FILE(S): Baffinland logo+tag corp Eagl.ogo

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595000 E
597000 E
599000 E
601000 E
603000 E

7893000 N
7891000 N
7889000 N
7887000 N
7885000 N

BR-037-1-1
BR-037-1-2
BR-037-1-4
BR-037-1-6
BR-037-1-7
BR-037-1-8
Q038+700
NCV-039-1
NCV-040-2
Q042+000
NCV-042-1
RR-015
NCV-043-1
RR-016
Q044+300
NCV-044-2
NCV-044-3
BR-046-1-2
BR-046-1-1
BR-046-1-4
BR-046-1-3
Q044+000
CV-044-1
kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2
APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
CV-044-3
Q045+000
RR-018
CV-045-1

N

grQ/q5

LEGEND:

- tqg6FIZMqg6Ff==sJ6 RIVER/STREAM/DRAINAGE
- WJNli6 whc3iz czb18i kNaxoEi6 LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2 APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 cspQx3=4 STATION MARKER (KM)
- nCsiz kN WETLAND
- wfbbsif kN7u _ yf7u s?18i5 Nwi3n7u #! ub wm3u DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfb3bsif5 kN7u DRILLHOLE ON LAND
- wfb3bsif5 y4f7u - bEs7u DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u WATER SOURCE ON ICE
- kN7u wmc3=4 WATER SOURCE ON LAND

csPm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
3. tt3ymJ5 ub: xd8iq5 szy4tQ4g5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

SCALE A 400 200 0 400 800 1200 1600 2000 m

Baffinland IRON MINES CORPORATION

k]]Yi s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2

xdt4nz8i Gm4W3gZ6 $u5 !)j5H

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS RAIL ALIGNMENT (SHEET 4 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: **1.14**

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL 01_Rawn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NRB-DH-AND-WATR-DATA; IMAGE FILE(S): Baffinland logo-big corp Eag;Logo

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591000 E
595000 E
599000 E
603000 N
7883000 N
7881000 N
7879000 N
7877000 N
7875000 N
RR-019
RR-020
kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2
APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
Q050+000
RR-023
CV-051-2-1
CV-051-2-3
CV-051-2-2
CV-051-2-4
RR-026
CV-052-2
Q053+700
RR-027
CV-056-1
Q056+750
CV-057-2
RR-028

grQ/q5

LEGEND:

- t4g6FfZMdg6Ff==sJ6 RIVER/STREAM/DRAINAGE
- WJNi6 whc3iz czb18i kNaxoEi6 LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2 APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 cspQx3=4 STATION MARKER (KM)
- mCsiz kN WETLAND
- wfbbsif kN7u _ yf7u s?18i5 Nwi3n7u #! ub wm3u DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfb3bsif5 kN7u DRILLHOLE ON LAND
- wfb3bsif5 y4f7u - bEs7u DRILLHOLE ON ICE - MARINE
- w7ui=4 y4f7u WATER SOURCE ON ICE
- kN7u wmc3=4 WATER SOURCE ON LAND

cspm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNaxl ttlymiz mo4g6 UTM (NAD83) Zone 17
3. ttlymJ5 ub: xd8iq5 szy4tQ4g5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

SCALE A 400 200 0 400 800 1200 1600 2000 m

Baffinland Iron Mines Corporation

klJYi s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2 xdt4nz8i Gm4W3gZ6 %u5 !)j5H

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS RAIL ALIGNMENT (SHEET 5 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: **1.15**

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL 01_Ravn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NRB-DH-AND-WATR-DATA IMAGE FILE(S): Baffinland logo-big corp Eagl.ogo

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3000 E
7000 E
9000 E
11000 E
13000 E
15000 E

7873000 N
7871000 N
7869000 N
7867000 N
7865000 N
7863000 N

RR-029(2)
BR-059-1-1
BR-059-1-2
CV-060-1
CV-062-1
ᓄᓇᕗᑦᑐᖅᑎᓪᓗᒍ ᐊᒻᒪᓗᓯᓂᖅᓴᖅᑎᑐᑦ ᐅᖃᓕᓴᕐᔪᐊᓘᒍ ᐊᒻᒪᓗᓂᖅ
APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
CV-063-1
RR-032
RR-033
RR-034
RR-035
RR-036
CV-069-1
RR-038
RR-039

N

ᑐᑭᓯᓚᖅ:
LEGEND:

- ᐃᑉᐱᒋᔭᐅᓪᓚᕆᔨᖅ/ᐊᓂᐊᓕᕆᓂᖅ
  RIVER/STREAM/DRAINAGE
- ᐱᓕᓐᓂᖅ ᐃᓕᑲᑎᓂᖓ ᑮᖏᑕᓗᓂᑦ ᓄᓇᕗᑦᓂᓂᖅ
  LIMITS OF EAGLE MAPPING
- ᓄᓇᕗᑦᑑᑎᓂᒃᑯᑦ ᐊᒻᒪᓗᓂᓕᕆᔨᖅᓴᖅ ᐱᓇᓂᐊᓪᓚᕆᓂᖅ ᐅᑎᓗᒃᑲᐸᓗᐊᖅ ᐊᒻᒪᓗᓂᖅ
  APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 ᑮᑲᐅᒋᐊᖅᓴᖅ
  STATION MARKER (KM)
- ᓱᓕᓂᖅ ᓄᓇ
  WETLAND
- ᐃᓄᒃᑎᑐᓂᓄ ᓄᓇᒥ - ᓯᓚᖓ ᑲᐸᓗᓂᑦ ᓇᐃᓂᖏᒥ 31 ᒥᑦ ᐃᒪᒃ
  DRILLHOLE WITHIN 31 m OF A WATER BODY
- ᐃᓄᒃᑎᑐᓂᓄ ᓄᓇᒥ
  DRILLHOLE ON LAND
- ᐃᓄᒃᑎᑐᓂᓄ ᓂᓚᓚᒥ % ᑕᓇᑦᒥ
  DRILLHOLE ON ICE - MARINE
- ᐃᒋᖏᓐᓄᑦ ᓂᓚᓚᒥ
  WATER SOURCE ON ICE
- ᓄᓇᒥ ᐃᒪᖅᓴᓄᑦ
  WATER SOURCE ON LAND

ᖃᐅᔨᒪᓕᕆᔨᒃᑯᑦ:

1. ᓄᓇᖓᔾᔪᓂᑦ Eagle Mapping (2005)
2. ᓄᓇᖓᓄᑦ ᑎᑎᕋᒪᓐᓇᖅ ᒪᓂᑐᖅ UTM (NAD83) Zone 17
3. ᑎᑎᕋᒪᓕᒃ ᒥᑦ: ᐊᖏᔪᓐᓇᑦ ᐅᖓᓂᑎᑎᑦ 10 ᒥᑦ
4. ᓄᓇᕗᑦᑎᓂᑦ ᑲᓇᑕᒥᓂᖅ Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

SCALE A: 400 200 0 400 800 1200 1600 2000 m

Baffinland IRON MINES CORPORATION

ᓄᓕᒋᓐ ᐅᓪᓛᕐᓂᐅᑎᑦ MARY RIVER PROJECT

ᐃᓕᖅ 2011 ᓇᓂᐅᓂᒪᓕᒃᖁᖅ - ᓄᓇᕗᑦᑎᓂᑦ
ᐊᖏᔪᑎᖏᓐᓂᒃᑯᓂᖅ (ᒪᑉᐱᑐᒍᖅ 6ᒥᑦ 10ᔪᑦ)
2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS
RAIL ALIGNMENT (SHEET 6 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

ᑎᑎᕋᐅᓂᒪᓕᒃᖁᖅ FIGURE: **1.16**

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL - 01_Rvm Alternative routes - July 21 2008; Southern Route Major Contours - 02-Aug 11 2008; NRBGH AND WATER DATA IMAGE FILE(S): Baffinland\dgn\dwg copy Eng\.dgn

601000 E
603000 E
605000 E
607000 E
609000 E
611000 E

7861000 N
7859000 N
7857000 N
7855000 N

CV-069-1
RR-038
RR-039
kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2
APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
CV-071-1
RR-040
CV-073-1
CV-074-1
CV-075-2-1(B)
CV-075-2-2
CV-075-2-2(B)
CV-075-2-1
CV-076-1-2
CV-076-1-1
CV-076-2-1
CV-076-2-2
CV-076-3-1
CV-076-3-2
RR-042
CV-078-1
CV-079-3
CV-080-1
CV-080-3

grQ/q5

LEGEND:

- t4g6FfZMig6Ff==sJ6 RIVER/STREAM/DRAINAGE
- WJN3i6 whc3i z czb18i kNaxoEi6 LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2 APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 cspQx3=4 STATION MARKER (KM)
- nCsiz kN WETLAND
- wfbbsif kN7u _ yf7u s?18i5 Nwi3n7u #! ub wm3u DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfb3bsif5 kN7u DRILLHOLE ON LAND
- wfb3bsif5 y4f7u - bEs7u DRILLHOLE ON ICE - MARINE
- w7u1=4 y4f7u WATER SOURCE ON ICE
- kN7u wmc3=4 WATER SOURCE ON LAND

csm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
3. tt3ymJ5 ub: xd8iq5 szy4tQ4g5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

400 200 0 400 800 1200 1600 2000 m
SCALE A

Baffinland Iron Mines Corporation

k]l]/i s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2
xdt4nz8i ⌂m4W3gZ6 &u5 !)j5H

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS RAIL ALIGNMENT (SHEET 7 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: 1.17

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL DL Rpwn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NRB-DH-AND-WATR-DATA IMAGE FILE(S): Baffinland logo-big copy Eag.logo

NORTH BAY ON, SAVED: I:\1\02\00181\32\AA\acad\FIGS\B08_0, 3/19/2012 11:14:26 AM, PRINTED: 3/19/2012 11:21:17 AM, 7, amoore

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL; 01_Ravn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NIRB-DH-AND-WATR-DATA IMAGE FILE(S): Baffinland logo-big corp EagLogo

604000 E
606500 E
609000 E
611500 E
614000 E
7855000 N
7852500 N
7850000 N
7847500 N
7845000 N
7842500 N
7840000 N
7837500 N

CV-079-3
CV-080-1
CV-080-3
kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2
APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
CV-081-3
CV-081-4
CV-082-2
Q082+700
CV-083-3
CV-083-4
CV-084-1
CV-084-2
Q085+200
CV-085-2
CV-086-1-1
CV-086-1-2
CV-087-1
RR-049
Q088+800
RR-050
RR-052
RR-053
BR-091-1-1
BR-091-1-3
BR-091-1-4(2)
BR-091-1-4(3)
BR-092-1-1
BR-092-1-2
CV-093-2
RR-055
BR-095-1-2
BR-095-1-3
BR-095-1-4
BR-095-1-5
BR-096-1-1
BR-096-1-1(2)
BR-096-1-2
BR-096-2-1
BR-096-2-2
BR-096-2-3
BR-096-2-4
RR-056
BR-099-1-2
w4Wr5g3Jx3 by z
COCKBURN LAKE
RR-057
RR-058
QTR-12
CV-101-1
NTUN-DH01
NTUN-DH03

grQ/q5
LEGEND:

- f4g6FfZMg6Ff==sJ6 — RIVER/STREAM/DRAINAGE
- WJN3i6 whc3iz czbl8i kNaxoEi6 — LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2 — APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 — cspQx3=4 STATION MARKER (KM)
- n(siz kN — WETLAND
- wfbbsif kN7u _ yf7u s?l8i5 Nwi3n7u #! ub wm3u — DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfbi3bsif5 kN7u — DRILLHOLE ON LAND
- wfbi3bsif5 y4f7u - bEs7u — DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u — WATER SOURCE ON ICE
- kN7u wmc3=4 — WATER SOURCE ON LAND

cspm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
3. tt3ymJ5 ub: xd8iq5 szy4tQg5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

500 250 0 500 1000 1500 2000 2500 m
SCALE A

Baffinland Iron Mines Corporation

k]l]/i s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2
xdt4nz8i 0m4W3gZ6 *u5 !)j5H

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS
RAIL ALIGNMENT (SHEET 8 OF 10)

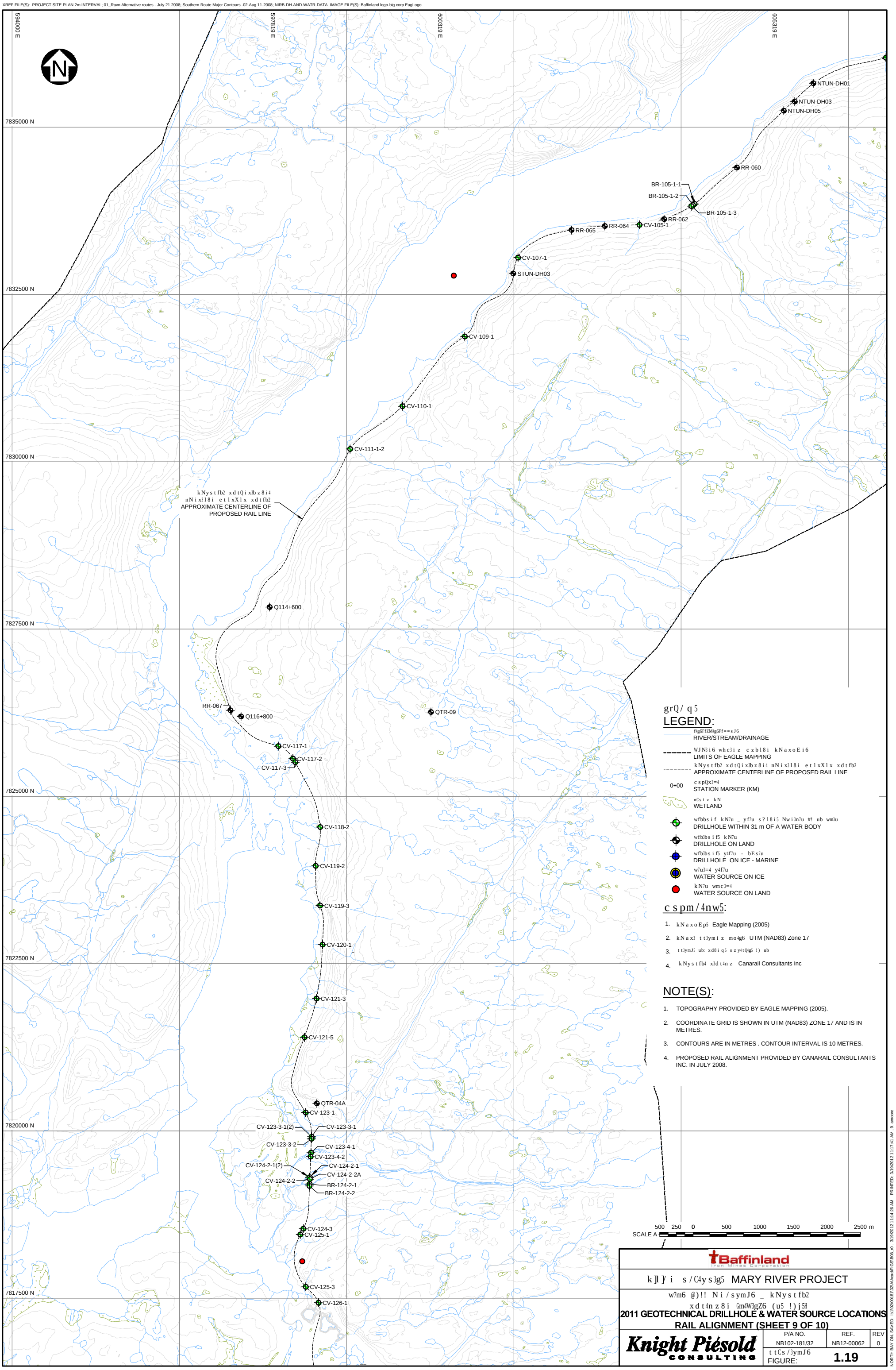
Knight Piésold CONSULTING

P/A NO.	REF.	REV
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: **1.18**

NORTH BAY ON, SAVED: I:\1\02\00018132\A\acadFIGS\B08_r0 , 3/19/2012 11:14:26 AM PRINTED: 3/19/2012 11:19:02 AM , 8, amoore

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL; 01_Ravn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NIRB-DH-AND-WATR-DATA IMAGE FILE(S): Baffinland logo-big corp EagLogo



grQ/q5

LEGEND:

- f4g6FfZM4g6Ff==sJ6 — RIVER/STREAM/DRAINAGE
- WJN3i6 whc3iz czbl8i kNaxoEi6 — LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2 — APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 — cspQx3=4 STATION MARKER (KM)
- nCsiz kN — WETLAND
- wfbbsif kN7u _ yf7u s?l8i5 Nwi3n7u #! ub wm3u — DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfb3bsif5 kN7u — DRILLHOLE ON LAND
- wfb3bsif5 y4f7u - bEs7u — DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u — WATER SOURCE ON ICE
- kN7u wmc3=4 — WATER SOURCE ON LAND

cspm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
3. tt3ymJ5 ub: xd8iq5 szy4tQ4g5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

500 250 0 500 1000 1500 2000 2500 m
SCALE A

Baffinland Iron Mines Corporation

k]lyi s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2 xdt4nz8i Gm4W3gZ6 (u5 !)j5H

2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS RAIL ALIGNMENT (SHEET 9 OF 10)

Knight Piésold CONSULTING

P/A NO.	REF.	REV
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: **1.19**

NORTH BAY ON, SAVED: I:\1\02\00018\132\A\Acad\FIGS\B08_r0 , 3/19/2012 11:14:26 AM , PRINTED: 3/19/2012 11:17:41 AM , 9, amoore

XREF FILE(S): PROJECT SITE PLAN 2m INTERVAL; 01_Ravn Alternative routes - July 21 2008; Southern Route Major Contours -02-Aug 11-2008; NIRB-DH-AND-WATR-DATA IMAGE FILE(S): Baffinland logo-big corp EagLogo

591500 E
594000 E
596500 E
601500 E
7815000 N
7812500 N
7810000 N
7807500 N
7805000 N
7802500 N
7800000 N
7797500 N

RR-070
RR-071
RR-071A
Q131+100
CV-131-1
CV-133-2
CV-134-1
RR-072
CV-136-1
CV-136-2
BR-137-1-4
BR-137-1-5
Q138+100
CV-138-1
Q139+600
RR-073
BR-141-1-1
BR-141-1-3
BR-141-1-2
BR-141-1-5
BR-141-1-4
SI-MCP-016
CV-142-1
RR-074
SI-LF-001
CV-142-2
SI-MCP-004
SI-MCP-006
SI-MCP-015
SI-MCP-014
SI-MCP-011
SI-MCP-003
SI-MCP-001
SI-MCP-002
QS-1
SI-STL-004
SI-STL-006
SI-STL-015
SI-STL-016
SI-STL-019
SI-STL-020
SI-STL-008
SI-STL-023
SI-STL-005
SI-STL-009
SI-STL-017
SI-STL-021
SI-STL-018
SI-STL-022
SI-STL-012
QS-2
SI-RL-010
SI-RL-004
MSIB-D
SI-RL-008
SI-MHS-015(2)
SI-MHS-015(1)
MSIB-B
SI-RL-009
MSIB-C
SI-MHS-006
SI-MHS-016
MSIB-A1
MSIB-A2
SI-MHS-017
SI-MHS-014
SI-MHS-008
MSIB-P1(2)
SI-MHS-010
MSIB-A
QS-3A
SI-MHS-013
SMICD-C1
SI-RL-005
SMLCD-H
SMLCD-G
SI-MHS-009
SI-MHS-005
SMICD-A
SI-AS-003
SI-AS-014
SI-MHS-002
SMLCD-03A
MSOD-I
SI-MHS-011
MSFD-L
MSFD-M
MSODP-9(2)
SI-MHS-018
MSFD-G
MSFD-C
MSODP-9
MSFD-D
SI-FD-004
SI-FD-002
MSFD-P
MSFD-P1
SI-FD-003
SI-OLD-007
SI-OLD-008
SI-OLD-005
SI-OLD-006
SI-OLD-004

kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2
APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE

cspviDmA=5 sxINz8i4 bfQxDN3b5 ttCymJ6 Nnsto4 @.17
FOR DETAILS OF THIS AREA SEE FIGURE NO. 2.17

vq3L4Jx6
STEENSBY INLET

grQ/q5
LEGEND:

- f4g6FfZMtg6Ff==sJ6 RIVER/STREAM/DRAINAGE
- WJN3i6 whc3iz czbl8i kNaxoEi6 LIMITS OF EAGLE MAPPING
- kNystfb2 xdtQix3bz8i4 nNix3l8i etlxXlx xdtfb2 APPROXIMATE CENTERLINE OF PROPOSED RAIL LINE
- 0+00 cspQx3=4 STATION MARKER (KM)
- nCsiz kN WETLAND
- wfbbsif kN7u _ yf7u s?l8i5 Nwi3n7u #! ub wm3u DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfbl3bsif5 kN7u DRILLHOLE ON LAND
- wfbl3bsif5 y4f7u - bEs7u DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u WATER SOURCE ON ICE
- kN7u wmc3=4 WATER SOURCE ON LAND

cspm/4nw5:

1. kNaxoEp5 Eagle Mapping (2005)
2. kNax3 tt3ymiz mo4g6 UTM (NAD83) Zone 17
3. tt3ymJ5 ub xd8iq5 szy4tQg5 !) ub
4. kNystfb4 x3dt4nz Canarail Consultants Inc

NOTE(S):

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES . CONTOUR INTERVAL IS 10 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CANARAIL CONSULTANTS INC. IN JULY 2008.

SCALE A 500 250 0 500 1000 1500 2000 2500 m

Baffinland Iron Mines Corporation

kJlJi s/C4ys3g5 MARY RIVER PROJECT

w7m6 @)!! Ni/symJ6 _ kNystfb2
xdt4nz8i Gm4W3gZ6 !)u5 !)j5H
2011 GEOTECHNICAL DRILLHOLE & WATER SOURCE LOCATIONS
RAIL ALIGNMENT (SHEET 10 OF 10)

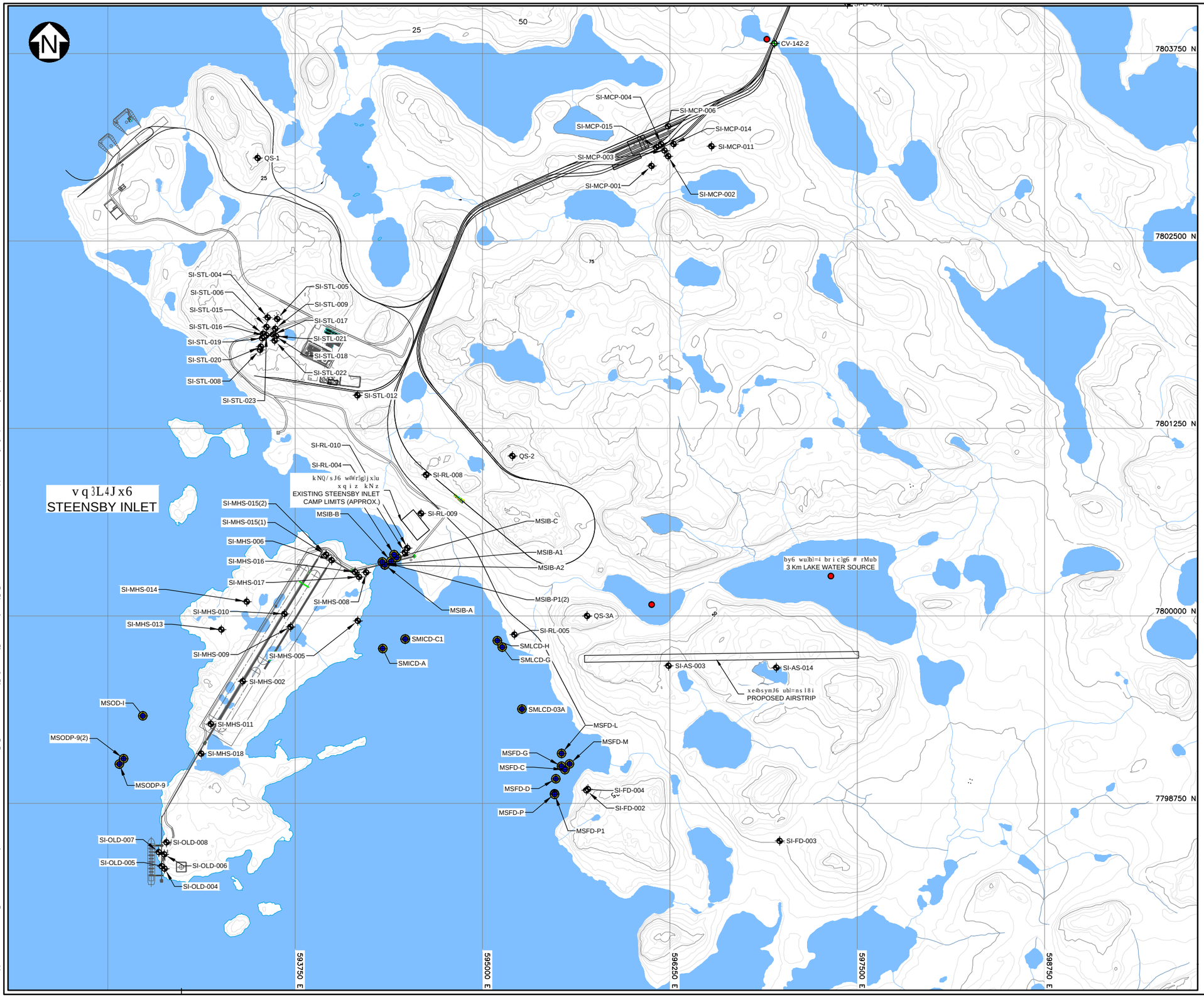
Knight Piésold CONSULTING

P/A NO.	REF.	REV
NB102-181/32	NB12-00062	0

ttCs/3ymJ6 FIGURE: 1.20

NORTH BAY ON. SAVED: I:\1\02\00181\32\A\Acad\FIGS\B08_r0_ 3/19/2012 11:14:26 AM PRINTED: 3/19/2012 11:15:28 AM, 10, amoore

XREF FILE(S): STEENSBY PORT AREA_01-APRIL 22 2008; steensby lakes; STEENSBY RAIL, LOOP AND AIRSTRIP_01, AUGUST 12 2008; Railway_Alignment-Mary_River-Steensby-03-Sep_23_ 2008; NRB-DH-AND-WATR-DATA; IMAGE FILE(S): Baffinland logo-big.corp Baffinland logo-big.corp STEENSBY INLET SHOP LOCATION



grQ / q 5

LEGEND:

- wu6 WATER
- fig6FfZMig6Ff = = s J6 RIVER/STREAM/DRAINAGE
- wfbbs i f kN7u _ yf7u s ? l 8 i 5 Nw i 3n7u #! ub wm!u DRILLHOLE WITHIN 31 m OF A WATER BODY
- wfb!bs i f 5 kN7u DRILLHOLE ON LAND
- wfb!bs i f 5 y4f7u - bEs7u DRILLHOLE ON ICE - MARINE
- w7u3=4 y4f7u WATER SOURCE ON ICE
- kN7u wmc3=4 WATER SOURCE ON LAND

NOTE(S):

1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. MINE SITE PROPOSED INFRASTRUCTURE PROVIDED BY AKER KVAERNER DRAWING NO. DWG-0000-G-0001.
5. PROPOSED RAIL ALIGNMENT AND SPURS PROVIDED BY CANARAIL CONSULTANTS INC. JULY 2008.

c s pm / 4nw5

1. kNax3 t t3ymi z mo4g6 ITM (NAD83) Zone 17
2. t t3ymJ5 ub: xd8i q5 s z y4tQ4g5 % ub
3. kNaxoEp5 Eagle Mapping (2005)
4. kNystfb4 x3dt4nz Canarail Consultants Inc
5. s / C4b!=s J6 t t Cs / 3ymi z 5enivar

xqiz SCALE 250 12.5 0 250 500 750 1000 1250 ub m

Baffinland IRON MINES CORPORATION

k]l]/ i s / C4y s3g5 **MARY RIVER PROJECT**

N8imz5 @)!!u n=4n3ys3Lt4 wfb3=sif _ w4Wrg3Jx3u gM4b3=4

LOCATION OF 2011 GEOTECHNICAL DRILLHOLES - STEENSBY PORT

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/32	NB12-00062	0

t t Cs / 3ymJ6 FIGURE: **1.21**

NORTH BAY ON, SAVED: I:\1\02\00181\32\A\Aa\dF\GS\B09_r0_ 3\19\2012 2:28:40 PM PRINTED: 3/19/2012 2:29:30 PM, Layout1, amoore