

# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

# 2008 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 2008, in accordance with Part B, Item 5 of Baffinland's current water licence for the Mary River Project, #2BB-MRY0710. A previous licence was issued on February 20, 2007 (as #2BE-MRY0708), with a new licence issued on July 27, 2007 (as #2BB-MRY0710) and Amendment No. 2 issued on February 13, 2008. The current licence, as amended, will expire on December 31, 2010.

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 water from a lined fuel containment berm). This information is summarized on the completed NWB Annual Report Form and described in more detail in the report, herein.

Key activities associated with the Mary River Project (the Project) in 2008 are summarized as follows:

- Amending existing permits and licenses in support of enhancements to approved Project activities
- Upgrade of the Milne Inlet Tote Road to allow for all season use to facilitate the delivery of iron ore to Milne Inlet for shipment to market
- Exploration drilling on Deposit No. 1
- Land-based and on-ice geotechnical drilling at the Mary River site, along the proposed rail alignment, and both land-based and ocean drilling at Steensby Inlet
- Infrastructure improvements to support the exploration, geotechnical and bulk sample program including expansion of the Mary River Camp, upgrades to the existing Steensby Camp and development of the Mid-Rail Camp
- Commissioning of a new mechanical sewage treatment plant and the construction of two
   (2) additional polishing waste storage ponds (PWSPs) at the Mary River Camp
- Commissioning of a bulk fuel storage facility at the Mary River Camp
- Delivery of materials, fuel and equipment in support of the exploration, geotechnical, and bulk sampling programs
- Shipment of hazardous materials from site to approved disposal and recycling facilities
- Mining, crushing, hauling and shipment of approximately 113,000 tonnes of iron ore to the European market



Partial demobilization of equipment and materials associated with the bulk sample program

During 2008, fresh water was withdrawn to sustain two key activities: potable water supply for camp use and water supply for drilling operations. Drilling operations included exploration drilling on Deposit No. 1 and geotechnical drilling to support future mine plans

Potable water for the Mary River Camp was obtained from Camp Lake using a dedicated intake/pump house configuration and transferred to water storage tanks located in camp. For the Milne Inlet Camp, potable water was hauled by tanker truck from km 32 of the Milne Inlet Tote Road after being transferred from source by means of a dedicated gasoline-powered pump. Potable water for Steensby Inlet and Mid-Rail Camps was obtained using small gasoline pumps positioned adjacent to the shorelines of source water lakes and transferred via pipeline or airlift to camp facilities.

Water for exploration drilling on Deposit No. 1 was obtained from the Mary River. Prior to being supplied to the drills, calcium chloride was added to water to lower the freezing point and to enable drilling under permafrost conditions.

Water sources for geotechnical drilling at on-ice and near water locations during March through early June were large frozen lakes or the ocean. Drilling conducted during early June through September used various approved lakes, ponds, rivers and the ocean. When possible, the ocean served as a water source for geotechnical drilling operations at Steensby Inlet. Water sources for the proposed rail alignment drilling included Cockburn Lake and various unnamed lakes and ponds along the alignment near the drillholes. Lakes and ponds were chosen in advance and monitored during water withdrawal to ensure that notable drawdown did not occur. Water sources for drilling at the mine site were Sheardown Lake and Mary River tributaries. Lakes and ponds were chosen in advance and monitored during water withdrawal to ensure that observable drawdown did not occur.

Waste management included the handling of latrine waste, greywater, treated sewage effluent, solid non-hazardous waste, hazardous waste and drill waste.

Commissioning of the Mary River Camp Wastewater Treatment Facility was completed in February 2008. Two additional polishing/waste stabilization ponds were subsequently constructed and commissioned at the Mary River Camp.

During 2008, a total of 5,071 m of drilling was completed in a 28 hole program focussed entirely on Deposit No. 1. This included 27 new holes commencing in 2008 and one hole completed from a previous campaign. The drill cores were sampled and submitted for analytical testing that included a suite of analytes that included those parameters of potential concern for receiving waters and for which are sampled under the current water licence. These parameters include aluminum as measured by (Al<sub>2</sub>O<sub>3</sub>), arsenic (As), copper (Cu), lead (Pb), nickel (Ni), and zinc (Zn).



During the 2008 geotechnical investigations, a total of 442 drillholes (approximately 7340 m) were completed at locations within the footprint of proposed mine site infrastructure. Most of these locations were outside the iron ore deposits and there was no metal oxide or sulphide mineralization observed. ARD and metals analyses were completed on a subset of the drill cores that were advanced in areas of potential railway ballast and guarry sites for use during construction.

In 2008, fuel re-supply was provided by a combination of airlift directly to the Mid-Rail and Steensby Inlet camps and annual sea-lift re-supply to Milne Inlet. From Milne Inlet, drummed and bulk fuel was transported to Mary River via the all-season Milne Inlet tote road. In October 2008, a sealift delivered barrelled fuel to Steensby Inlet for use in future field programs. Lined containment areas are in place at all four (4) camps supporting the Mary River programs.

Spill contingency training was delivered to Baffinland spill response team members and all site staff through classroom and tool box meetings. A third party consultant was retained and provided additional field training to spill response team members. Field training included deploying response measures to mock spills on land and water.

In 2008, Baffinland hosted site visits and formal compliance inspections from regulatory authorities including the Qikiqtani Inuit Association (QIA), land and water officers of Indian and Northern Affairs Canada (INAC), Government of Nunavut (GN), Fisheries and Oceans Canada (DFO), marine services and navigable waters protection offices of Transport Canada (TC), and Environment Canada (EC). Baffinland received constructive input as a result of the various inspections and has taken corrective action as appropriate.

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

Progressive reclamation work completed in 2008 included: replacement of culverts, removal of historical barrels and debris, collection and consolidation of existing scrap steel, stockpiling of historic drums, remediation of geotechnical drill sites, and the removal of hazardous wastes by sealift to approved disposal facilities.

Communication and consultation continued with Baffinland's stakeholders and was undertaken in support of both current and proposed activities associated with the Mary River Project. In addition to visiting communities and holding meetings with various stakeholders, Baffinland hosted site visits from community leaders, government and land owner officials, high school students and teachers from the affected communities, and regulatory inspectors enabling people and parties to view activities first hand.



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# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

# 2008 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 Baffinland Iron Mines Corporation (Baffinland) during 2008, in accordance with Part B, Item 5 of Baffinland's current water licence for the Mary River Project, #2BB-MRY0710. A previous licence was issued on February 20, 2007 (as #2BE-MRY0708), with a new licence issued on July 27, 2007 (as #2BB-MRY0710) and Amendment No. 2 issued on February 13, 2008. The current licence, as amended, will expire on December 31, 2010.

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 water from a lined fuel containment berm). This information is summarized on the completed NWB Annual Report Form, included in Appendix A, and described in more detail in the following sections.

Figure 1.1 and 1.2 shows the locations of the key activity areas associated with the Mary River Project. Project activities in 2008 were undertaken at Milne Inlet (Figure 1.3) along the Milne Inlet Tote Road (Figure 1.4), the Mary River site (Figure 1.5), the Mid-Rail Camp site (Figure 1.6), along the proposed rail alignment (Figure 1.2), and at the proposed Steensby Inlet Port site (Figure 1.7).

Key activities associated with the Mary River Project (the Project) in 2008 are summarized as follows:

- Amending existing permits and licenses in support of enhancements to approved Project activities
- Upgrade of the Milne Inlet Tote Road to allow for all-season use to facilitate the delivery of iron ore to Milne Inlet for shipment to market
- Exploration drilling on Deposit No. 1
- Land-based and on-ice geotechnical drilling at the Mary River site, along the proposed rail alignment, and both land-based and ocean drilling at Steensby Inlet
- Infrastructure improvements to support the exploration, geotechnical and bulk sample program including expansion of the Mary River Camp, upgrades to the existing Steensby Camp and development of the Mid-Rail Camp



- Commissioning of a new mechanical sewage treatment plant and the construction/commissioning of two (2) additional polishing waste storage ponds (PWSPs) at the Mary River Camp
- Commissioning of a bulk fuel storage facility at the Mary River Camp
- Delivery of materials, fuel and equipment in support of the exploration, geotechnical, and bulk sampling programs
- Shipment of hazardous materials from site to approved disposal and recycling facilities
- Mining, crushing, hauling and shipment of approximately 113,000 tonnes of iron ore to the European market
- Partial demobilization of equipment and materials associated with the bulk sample program

#### 1.2 BRIEF OVERVIEW OF PROJECT ACTIVITIES IN 2008

The year 2008 was busy for Baffinland, with many programs undertaken, including permitting, hiring, environmental and engineering studies, as well as public and government consultation. A chronological summary of the activities undertaken and submissions made to the NWB in 2008 is provided in Table 1.1.

Exploration drilling and resource evaluation continued on Deposit No. 1. Geotechnical drilling at project development areas continued. A drill camp was established in the spring along the midway point of the proposed rail route and referred to herein as Mid-Rail Camp to support drilling and environmental studies along the proposed rail alignment. The Steensby Inlet camp was also utilized to support drilling and environmental studies along the proposed rail alignment and at the proposed port sites.

Exploration drilling was initiated on July 16<sup>th</sup>, 2008, and concluded on September 14<sup>th</sup>, 2008. A total of 27 drillholes, with drillhole depths ranging between 102 m and 350 m, were completed using Longyear LY38 and LF70 rock coring drill rigs. In addition one hole was completed form a previous campaign. A total of 5,071m was drilled through the course of the of the 2008 exploration drilling program. Drillhole locations are provided on Figure 1.8, and drillhole details are provided in Table 1.2 and 1.3.

The geotechnical drilling program was conducted to investigate soil, bedrock and permafrost conditions at the mine site, waste dump, open pit, proposed rail alignment and tunnels, and at the Steensby Inlet port site and dock locations. The geotechnical drilling program began on March 22 2008 and ended for the season on September 20, 2008. Drilling in 2008 was completed by Boart Longyear using Longyear LY38, LF70 drills rigs and by Springdale Drilling using Duralite 500 rigs equipped with HQ and NQ diameter drills rods at a total of 442 drillholes locations. The distribution of drilling among the various proposed project components was as follows:

• 27 locations near the Mary River mine site, including general infrastructure, waste dumps and pit overburden



- 349 locations along the rail alignment, including rail tunnels, mine site spurs, rail loops at the Steensby port, and at the rail maintenance shop
- 36 locations, including on-ice and on-land, at the Steensby Inlet port site
- 30 potential quarry locations

Geotechnical drillhole locations are shown on Figures 1.9 to 1.20, incl.. A summary of drillholes completed in 2008, including water sources locations, are provided in Tables 1.4 to 1.7, incl. No drill additives were used in the geotechnical drilling program. Drillhole depths ranged from 4.3m to 64m.

The geotechnical drilling program was conducted during both ice covered and ice free conditions. The focus of drilling during the ice covered period was on ocean based drilling and for land-based drilling at the locations within 30 metres of the normal high water mark of adjacent water bodies, and in some cases below the high water mark. These drillholes were required in order to evaluate ground conditions and provide the information needed for design of port infrastructure and rail line water crossings such as bridges.

Drill core from the 2008 Geotechnical Drilling Program is stored in designated core storage areas located well away (>30 m) from water at the Mary River, Mid-Rail and Steensby Inlet Camps.

In 2008, the following key activities were undertaken in continued support of the Project, including the bulk sample program, environmental baseline work, and exploration and geotechnical drilling:

- A 100-person all-weather tent camp, maintenance shop, and ancillary facilities at the Mary River Camp were installed adjacent to the existing seasonal exploration camp
- A rotating biological contactor (RBC) for treatment of sewage from the Mary River camp
  was installed to replace the Tanks-A-Lot system and a treated sewage outfall was
  constructed into Sheardown Lake. Two additional polishing waste stabilization ponds
  (PWSPs) capacity were constructed at the Mary River camp.
- Upgrades necessary to support the hauling of the bulk sample from Deposit No. 1 were completed on the Milne Inlet Tote Road by adding fill to the roadbed, cutting and filling on hills, and installing crossing structures (mainly culverts) at watercourses and drainages.
- An ore pad and crushing station was established at the base of Deposit No. 1, south of the airstrip.
- A lined bulk fuel fuel storage facility with an approximate capacity of 1.5 million litres and lined dispensing modules were constructed and commissioned at the Mary River Camp. Ancillary fuel storage in lined containment was provided to supply the camp diesel-electric generators, to refuel vehicles (prior to bulk fuel farm installation), and for barrel storage.
- A single mining pit was established at the top of Deposit No.1. A total of approximately 225,000 tonnes of weathered surface rock and ore was drilled and blasted. Of this material, 190,000 tonnes of ore was hauled to the crusher station and crushed into lump and fine fractions. A total of 152, 000 tonnes of crushed ore was hauled to Milne Inlet.



- An ore pad and ore stockpiles were established at Milne Inlet.
- A re-supply dry cargo sea-lift delivered materials and supplies to Milne Inlet in August 2008, a fuel tanker also arrived in August 2008, and off-loaded bulk fuel in the bladder tank farm. A portion of the equipment and materials used for the Bulk Sample Program and no longer required was backhauled to Southern Canada. Only a portion of the equipment and materials intended for demobilization was removed from site in 2008 as the loading of a second sea-lift was terminated early as a result of weather. Included with the 2008 backhaul were a portion of the hazardous and non-landfillable wastes generated from current and historic activities at Mary River destined for licensed disposal and recycling facilities. In October 2008, a sealift delivered barrelled fuel and a trailer camp to Steensby Inlet for use in future field programs.

The resulting shipment of approximately 113,000 tonnes of iron ore under the bulk sample program is a reduction from the originally planned shipment of 250,000 tonnes. A reduction in the amount of iron ore shipped through the bulk sample program was primarily due to the advent of an earlier than anticipated spring melt combined with severe rainfall in the later part of June resulting in the need for extensive construction and maintenance work along the Milne Inlet tote road. Haulage of the bulk sample from Mary River to Milne Inlet was interrupted for approximately nine (9) weeks, from late May through the end of July, 2008 which directly impacted the availability of ore at Milne Inlet available for shipment. The revised size of the bulk sample remained sufficient to meet the original objectives of the program.

Consultation with potentially interested stakeholders, including local communities and community groups continued in 2008 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. Representatives of North Baffin hamlets, Inuit knowledge study Working Groups, a number of government representatives, and local community members including students visited the Mary River operations in 2008. 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.



For the purposes of further context, the Board is directed to an Annual Report submitted to the Nunavut Impact Review Board<sup>1</sup> (NIRB 2008) summarizing the results of the exploration and geotechnical drilling programs as well as the bulk sample program. This report is a requirement of the Project Certificate issued through the environmental screening process under the Nunavut Land Claims Agreement (NLCA).

#### 1.3 SUMMARY OF PROJECT PLANS FOR 2009

The current world financial crisis and economic outlook has had a major dampening effect on the resource sector, adding time and complexity to Baffinland's strategic partnering initiative and 2009 work plan. Although at the time of writing the Company's work plan is still in the development stage, the current economic climate is expected to result in a significant decrease in development planning efforts undertaken in 2009. This will translate into a deferral in advancement of further engineering design, geotechnical drilling, and other technical support studies required for the detailed planning of the proposed Mary River Project. Field programs instead will focus on infill exploration drilling on Deposits No. 2 and/or 3 with a goal of transitioning resources currently in the 'inferred' category to the 'indicated' category'. Ultimately, the 2009 work plan will be based, in part, on availability of financing and the outcome of the strategic partnering initiative.

Currently, it is anticipated that the 2009 field work plan will include the following:

- Off-season presence at the Mary River site in the interest maintaining site access and security.
- Overland transport of mobile heavy equipment (excavator) during frozen conditions to Deposit Nos. 2/3 for use in support of drill set-up and water management (sump construction) during the exploration field season.
- Operation of the Mary River camp to support a modest and approximate 2,200 metre exploration drill program between June and September.
- Transport of needed fuel and supplies stored at Milne Inlet to the Mary River camp site
  using the upgraded Milne Inlet tote road.
- Helicopter and fixed wing aircraft support as required to service the exploration drilling program and other general site activities, including environmental monitoring.
- Follow-up construction and ongoing monitoring activities in accordance with the No Net Loss and Monitoring Plan under the Fisheries Authorization issued in relation to the tote road.
- Continued progressive reclamation of areas of current and past use in association with exploration drilling, geotechnical drilling, and bulk sample programs.

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<sup>&</sup>lt;sup>1</sup> 2008 Annual Report to the Nunavut Impact Review Board. Baffinland Iron Mines Corp. January 31, 2008



- Upon further treatment and/or confirmation that effluent criteria as stipulated by the Water License have been met, discharge of the polishing waste storage pond contents at Mary River and Milne Inlet to the approved receiving locations.
- Demobilization of contractors' equipment and supplies used to support the bulk sample program that is not required for near term activities by a single dry cargo sea-lift from Milne Inlet.
- Possible demobilization of barrel fuel currently stored and in place to support of field studies and geotechnical drilling by a single dry cargo sea-lift from Steensby Inlet. In 2009, it is expected that the Steensby, Mid Rail, and Milne Inlet Camps will remain unoccupied.

Should additional financing become available, Baffinland may increase field activities accordingly. Equipment, infrastructure, consumables and regulatory permits are currently in place to support a substantially larger exploration drilling program, resumption of the geotechnical drilling program needed to support engineering planning, as well as undertaking any further environmental baseline and other scientific and engineering studies required for project planning.



#### **SECTION 2.0 - WATER USE AND WASTE DISPOSAL ACTIVITIES**

#### 2.1 WATER USE

During 2008, fresh water was withdrawn to sustain two key activities: potable water supply for camp use and water supply for drilling operations. Drilling operations included exploration drilling on Deposit No. 1 and geotechnical drilling to support future mine plans. The following sections describe water use and the associated sources thereof.

# 2.1.1 <u>Methods of Obtaining Freshwater for Potable Use</u> and Quantities of Water Used (Part B, Item 5 (i)

Water take locations for the various camps are shown on Figures 1.3, 1.5, 1.6 and 1.7.

Potable Water supply for the Mary River Camp was obtained using a diesel pump 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. In 2008, the water intake and supply system was upgraded to meet the needs of the expanded camp.

Potable Water supply for the Milne Inlet Camp was obtained using a water truck to deliver water to the camp via the Milne Inlet Tote Road. A small portable pump was used to transfer water to the water truck which subsequently delivered the water to the camp. Once delivered to the camp, the water was transferred to larger holding tanks. Water for Milne Inlet was obtained from km 32 lake (MRY-3) for the entire season.

Steensby Inlet Camp potable water came from an unnamed lake approximately 3 km east of the camp. A small portable pump was used to withdraw water from the lake and used to fill small containers on the shore which were then flown back to the camp. Once delivered to the camp, the water was transferred to larger holding tanks. Later in the summer season, a collapsible water line was installed from 3km lake water source to the Steensby Inlet Camp.

Mid-Rail Camp potable water came from an unnamed lake adjacent to the camp. A small portable pump was used to withdraw water directly from the lake source to the water storage tanks located at the camp.

Prior to consumption, potable water for all four camps were treated with filtration and UV disinfection.



In all instances intakes were screened in accordance with the Department of Fisheries and Oceans Freshwater Intake End-of-Pipe Fish Screen Guideline<sup>2</sup> (DFO Guideline) to prevent entrapment of fish as per Part C, Item 5.

In 2008, domestic water use for three (3) days in February (13<sup>th</sup>, 15<sup>th</sup> and 16<sup>th</sup>) exceeded the water license limit of 60 m3/d due to a short term demand required to charge the water distribution systems in the new Mary River all—season camp as part of commissioning.

Table 1.8 summarizes monthly and annual potable water used in 2008.

# 2.1.2 <u>Methods of Obtaining Freshwater for Drilling and Quantities of Freshwater Used (Part B, Item 5 (ii)</u>

Water for exploration drilling on Deposit No. 1 was obtained from the Mary River. Prior to being supplied to the drills, calcium chloride was added to the water to lower its' freezing temperature and enable drilling in the permafrost. In 2008, the pumping system and salt mixing station used during previous programs was replaced by an enhanced system that was redesigned to decrease water demand, salt use, minimize the potential for spillage, and improve safety and drilling productivity. The salt mixing station location, as well as the water supply pump location on Mary River are shown on Figures 1.8 and 1.9.

When possible, the ocean served as a water source for geotechnical drilling operations at Steensby Inlet. During the summer, lakes and ponds were also used as water sources. Water sources for the proposed rail alignment drilling included Cockburn Lake and various unnamed lakes and ponds along the alignment near the drillholes. Lakes and ponds were chosen in advance and monitored during water withdrawal to ensure that notable drawdown did not occur. Water sources for drilling at the Mary River mine site were Sheardown Lake and Mary River tributaries. Figures 1.9 through 1.20 show the locations of the drillholes completed in 2008. Coordinates for the drillholes and associated water sources are provided in Tables 1.4 to 1.7, incl..

In 2008, new flow meters were installed on the water intakes associated with each of the geotechnical drills as a means to more accurately track water use than in previous years.

Table 1.9 summarizes the monthly and annual quantities of water used for all drilling activities. Exceedences of the allowable water consumption for drilling did not occur during the 2008 season.

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<sup>&</sup>lt;sup>2</sup> Department of Fisheries and Oceans. Freshwater Intake End-of-Pipe Fish Screen Guideline. 1995



### 2.2 SEWAGE, WASTE AND GREYWATER MANAGEMENT

#### 2.2.1 <u>Sewage and Greywater Management</u>

Mechanical sewage treatment plants 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 levels stipulated by the water license. 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. At the Steensby and Mid Rail camps, latrine toilets (commercially purchased "Pacto" systems) are used. Waste from these latrine toilets is disposed of in the camp incinerators.

The RBC system at Milne Inlet was commissioned in October 2007. Treated effluent from this facility first met the water license discharge requirements in January 2008 and as such was directed to the approved receiving ditch upstream of Milne Inlet. Compliance with water license criteria enabled direct discharge to receiving environment for the majority of 2008 with intermittent periods where effluent not meeting discharge criteria was directed to the PWSP.

The RBC system at Mary River was commissioned in February 2008 concurrent with the commissioning of the new all-season camp. Treated effluent from this facility did not consistently meet discharge requirements of the water license until late 2008 and to date there has been no discharge to the receiving environment.

In response to operating experience in 2008 and the longer than anticipated time that it has taken to ramp-up the RBC facilities at Mary River and Milne Inlet Camps, Baffinland has been reviewing its standard operating procedures for operations and maintenance with aims of consistently meeting discharge requirements to reduce the dependency on the use of the PWSPs. Work has also been initiated to develop a treatment, discharge and monitoring plan for partially treated effluent that is currently stored in the four PWSPs at Milne Inlet and Mary River Camps. These plans are provided in the updated Waste Water Management Plan included as Appendix H to this Report.

Grey water generated at the Mid Rail and Steensby drill camps were directed to appropriately sized leach pits that were excavated adjacent to the camps. Pits were located remote from surface waters.

# 2.2.2 <u>Treated Sewage Effluent Discharged at Wastewater Treatment Facilities (WWTFs) and</u> Any Waters Discharged From PWSPs (Part B, Item 5 (iii))

The monthly and annual quantities of treated sewage effluent discharged at the Mary River Camp RBC System (Monitoring Station MRY-4) and at the Milne Inlet Camp RBC System



(Monitoring Station MRY-5) are provided in Table 2.1. There were no discharges from any of the corresponding PWSPs to the receiving environments in 2008. Intermittent discharge to the receiving environment and the PWSP from the RBC system at Milne Inlet occurred in 2008 and is shown in Table 2.1.

### 2.2.3 Sludge Removed From WWTFs (Part B, Item 5 (iv))

Sludge removed from the WWTF's occurred at both Mary River and Milne Inlet site. The sludge was removed from the RBC System and placed into the PWSP's at their respective locations and these volumes are provided in Table 2.1.

#### 2.2.4 Solid Non-Hazardous and Hazardous Waste Management

Solid waste such as domestic kitchen refuse and paper was incinerated daily at the Mary River and Milne Inlet Camp in a two-stage commercial incinerator. During the spring of 2008, with the ramp up of the Mid-Rail and Steensby Inlet camps, two-stage commercial incinerators at these locations were also commissioned for use.

The current water licence contemplates a solid waste landfill to be developed in the vicinity of the Mary River Camp. In November 2007, Baffinland submitted plans for the development of a non-hazardous waste landfill and in addition submitted an Addendum on October 27, 2008. Baffinland received approval on January 21<sup>st</sup>, 2009 from the Nunavut Water Board. The Addendum to the landfill report is included in Appendix B. In the meantime, non-hazardous waste generated to date and planned for future landfill is temporarily stored in designated locations at Mary River and Milne Inlet. These wastes generally consist of wood, plastics, metals as well as the ashes generated from the camp incinerators. Commensurate with the anticipated relatively low level of site activities the construction of the landfill has been temporarily deferred and is not planned for the 2009.

Historical waste primarily associated with exploration in the 1960's is present at various locations across the Mary River Property. Baffinland has been working to consolidate much of this waste as part of a commitment to progressive reclamation with the intent of disposing of the wastes in a future solid waste landfill and backhauling waste off-site, as appropriate. A waste 'bone-yard' has been established at the end of the airstrip at the Mary River site. Baffinland engaged third-party services in 2008 to provide assistance in the disposal of hazardous wastes.

Qikiqlaaluk Environmental was retained during 2008 to provide a Waste Implementation Plan that would allow for the proper disposal of hazardous wastes. Hazardous wastes were shipped off-site in 2008 via two separate sea lifts on September 2<sup>nd</sup> and October 18<sup>th</sup>, 2008 to approved disposal companies in Quebec in accordance with permits and regulatory requirements. This included the shipment of waste hydrocarbon liquids, crushed drums,



and contaminated soil. A Summary Report prepared by Qikiqtaaluk Environmental detailing type of hazardous materials disposed of, volumes of shipped hazardous materials, and records of confirmation of proper disposal are provided in Appendix C. Remaining hazardous wastes are stored in lined containment areas awaiting off-site shipment to a licenced waste/recycling facility and their disposal will be incorporated into future reclamation plans.

Hazardous and landfillable wastes from Mid-Rail and Steensby Inlet Camps were transferred to the Mary River Camp for disposal.

Figures 1.3 and 1.5 show the following as it relates to solid and hazardous wastes:

- Locations of historic wastes being progressively managed
- Locations of camp incinerators
- Temporary storage locations of non-hazardous wastes prior to landfill construction
- Location of the future landfill
- Lined containment areas where hazardous wastes are stored
- Location of the historic waste 'bone-yard'

Table 2.2 provides coordinates for various temporary and permanent waste storage areas.

### 2.2.5 Drill Waste

For exploration drilling activities, sumps were constructed in the vicinity of the drillholes to intercept drill wastes including drill cuttings and drill water. In some cases, one sump accommodated several drillholes. Silt fences and berms were also used to intercept drill wastes. Locations of these water management structures are shown on Figure 1.8 with some further details provided on Table 2.3.

The geotechnical drilling program was conducted during both ice covered and ice free conditions. The focus of drilling during the ice covered period was for ocean-based drilling and for land-based drilling at locations within 30 meters of the normal high water mark of adjacent water bodies, and in some cases, below the high water mark.

Portable containment sumps were typically employed during land-based winter drilling on or within 30 meters of an adjacent water body. A "T" connection was installed through the drill casing that allowed collection of drill water return during operations. During winter and spring conditions, the drill casing was allowed to freeze into the ground to maximize the effectiveness of the annular seal between casing and the formation. During drilling operations, the drill water was pumped into a collection bin located adjacent to the drill. The collection bin was periodically emptied by means of pumping or air-lifting to the



sediment disposal location established at each drill site at a distance greater than 30 meters from any water body.

Diversion/collections berms and in-ground sumps were used to intercept drill waste during ice free drilling conditions. Diversion/collection channels and berms were constructed using rocks, soil and geotextile to form barriers to direct the runoff into natural depressions in the terrain near the drillhole set up or into excavated sumps. On occasions where the terrain was not appropriate near the drillhole set-up and did not allow for a natural depression of sufficient capacity, shovels and picks were used to excavate small channels and sumps. When large amounts of sediments were collected, the sediment was used to backfill the completed drillhole. Sumps for the disposal of drill cuttings and fluids were located in the immediate vicinity of the drillhole, at a minimum of 30m from the ordinary high water mark of any water body.

Locations of all geotechnical drillholes are shown on Figures 1.9 to 1.20, incl., while drillhole coordinates are provided on Tables 1.4 to 1.7, incl.

#### 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 Figure 1.4 and Table 2.4 and water quality results for these locations are provided in Table 2.5.

In 2008, monitoring stations at Mary River (MRY-1), Milne Inlet (MRY-3), Mid-Rail and Steensby Inlet camps for raw water use were active. With the exception of three days in the month of February, water use was within prescribed licence limits.

Treated effluent from the Milne Inlet Facility (MRY-5) first met the water license discharge requirements in January 2008 and as such was directed to the approved receiving ditch upstream of Milne Inlet. Compliance with water licence criteria enabled direct discharge to receiving environment for the majority of 2008 with intermittent periods where effluent not meeting discharge criteria was directed to the PWSP.

As of 2008, treated sewage effluent at Mary River (MRY-4) camp continued to be discharged to the PWSPs, although the treated sewage met the water licence criteria established for direct discharge to the receiving environment (Sheardown Lake), for the December sampling event. At the time of this report treated effluent continued to be discharged to the PWSPs because a sufficient record of compliance has not yet been established and the heat trace for the outfall pipe has failed causing the outfall pipe to freeze.

The treatment of accumulated water from rain and snow melt within the lined containment tank farm at Milne Inlet (MRY-7) was undertaken in 2008. The treatment was conducted utilizing a pre-



engineered oil/water system with the addition of activated carbon filters acting as a final polishing step. A monitoring plan for the discharge of treated water was developed in consultation with the water license inspector in 2008 to confirm the effectiveness of the treatment system and approximately 1.4 million litres of water was treated and discharged to the receiving environment. The Mary River bulk fuel facility was not commissioned until December 2008, therefore, no water was discharged from this facility.

Run off and seepage from the bulk sample pit (MRY-9), weathered ore stockpile (MRY-10), ore stockpiles at the processing area (MRY-11) and ore stockpiles at Milne Inlet (MRY-12) were collected in the summer of 2008 and reported in the monthly SNP reports. Visual inspections of these areas were conducted after each major rainfall event and if there was observable flow, samples were collected for potential seepage and run off flows. One seepage/runoff sample from each of these areas was collected during the 2008 open water season. There was little discernable discharge from these areas due to a combination of dry conditions, generally 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 in situ. All results with the exception of TSS were below the maximum average concentration criteria as specified for water license effluent limits. TSS exceeded the maximum average concentration. The latter limit is applicable for comparison since only one sample round was conducted during the 2008 open water season due to the lack of observable flows during routine monitoring. Results from sample analyses are found in Table 2.5.

Toxicity testing was conducted in 2008 during the open water season for the Milne Inlet Waste Water treatment system. 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. Toxicity results were submitted along with the August monthly SNP report and 0% mortality for both species were recorded.



### **SECTION 3.0 - CONSTRUCTION ACTIVITIES (PART B, ITEM 5 (V)**

In 2008, infrastructure improvements to support the exploration, geotechnical and bulk sample programs were undertaken, including expansion of the Mary River Camp, upgrades to the existing Steensby Camp and development of the Mid-Rail camp. Construction activities for which as-built plans and drawings are required by the NWB consisted of the following:

- Mary River Wastewater treatment facility Installation of a Rotating Biological Contactor (RBC) based system and the construction of additional polishing waste stabilization ponds (PWSPs) to increase storage capacity for non-compliant treated sewage effluent
- Mary River bulk fuel storage facility Completion of the construction of a lined fuel bladder based storage facility started in 2008 (this report was submitted to the NWB in 2009 but included this report since the facility was commissioned in 2008).
- Milne Inlet Tote Road Upgrades to facilitate all season use consisting of adding fill to the roadbed, cutting and filling on hills, and installing crossing structures (mainly culverts) at watercourses and drainages.

As-built reports for each of these areas are provided in Appendix D. A copy of a geotechnical inspection of the PWSP cells supporting Mary River and Milne Inlet camps, as well as the bulk fuel storage and ancillary fuel facilities is also included in Appendix D. Submissions of as-built reports to the NWB in 2008 were made in accordance with the requirements of the water license.

In 2009, Baffinland intends to release the contents of the four PWSPs at Milne Inlet and Mary River contingent on meeting the water quality requirements stipulated by the water license. A treatment, discharge and monitoring plan for the contents of the PWSP has been developed and is provided in the updated Wastewater Management Plan provided as Appendix H to this Report.



### SECTION 4.0 - GEOCHEMICAL ANALYSIS OF CORE (PART B, ITEM 2 (VI))

The drilling program during 2008 consisted of exploration drilling on Deposit No. 1 from July to September and geotechnical drilling near the Mary River camp, along the railway alignment, and both land-based and on-ice drilling at Steensby Inlet from March to September. The exploration drilling program was conducted to further define the extent of the iron resource at Deposit No. 1, as well as to provide technical information on rock quality to assist in design of the open pit slopes for a proposed future mining operation. The geotechnical drilling program was initiated in 2006 and is being conducted in order to evaluate the soil, bedrock and permafrost conditions underlying the various infrastructure components associated with the Proposed Mary River Project including the mine site, waste dump, open pit, railway alignment and tunnels, and at the Steensby Inlet port site and dock locations.

Since re-activation of exploration drilling activities at the Mary River iron ore deposits 139 drillholes have been advanced for a total meterage of approximately 28100m. Table 1.2 provides a breakdown of meterage by year and deposit as well as details of the number of holes drilled each year. During 2008, the exploration drilling program was focused exclusively on Deposit No. 1 with a total of 5,071 m of drilling completed in 27 drillholes. The 27 exploration drill holes, all located within the footprint of iron ore resource Deposit No. 1, have been sampled and sent for analysis to SGS Lakefield for analytical testing. Included in the suite of analysis are those parameters of potential concern for receiving waters and for which are sampled under the current water licence. These parameters include aluminum as measured by (Al2O3), arsenic (As), copper (Cu), lead (Pb), nickel (Ni), and zinc (Zn). Table 4.1 shows the minimum, maximum and median levels for the listed parameters in each drillhole. Samples were broken out into two (2) metre intervals focusing on the iron ore mineralization. All iron formation is sampled along with ten (10) metres of 'waste' on either side of the iron formation contact. Internal waste units were also sampled at the discretion of the geologist. The trace metals tabulated are locked in silicates or other compounds, and are not easily leached out of the iron oxides, based on previously completed acid rock drainage (ARD) and metal leaching (ML) work completed in 2007<sup>3</sup>.

During the 2008 geotechnical investigations, a total of 442 drillholes (approximately 7340 m) were completed at proposed borrow, ballast and tunnel locations; at the proposed mine site near the Mary River camp; along the proposed rail alignment; and at the Steensby Inlet port site. The drill holes were typically shallow (i.e., <20 m length) with recovery of drill cores limited to overburden soils and the shallow bedrock where the holes were typically terminated. Since the geotechnical program was focused on areas outside the iron ore deposits, there was trace to no metal oxide or sulphide mineralization observed in the recovered rock or overburden cores. In consideration of the above, there was no environmental justification to complete extensive geochemical analyses on most of the recovered cores from the geotechnical program. However, ARD and metals analyses were completed on rock cores from a subset of drill holes that were advanced for the

<sup>&</sup>lt;sup>3</sup> 2008 Bulk Sample Management Plan. Knight Piesold. March 31, 2008.



purpose of evaluating potential railway ballast and quarry sites for use during construction. Sample locations and results of this work are provided in Appendix F. The overall results indicate very low potential of ARD/ML from cores recovered from these locations.

Exploration and geotechnical drill cores from the 2008 program are stored in core boxes at the core storage area located approximately 200 m northwest of the Mary River Camp. Other locations for the storage of geotechnical rock cores were at Steensby Inlet and Mid-Rail Camps at locations greater than 30 m from water. Geotechnical overburden samples are stored in plastic bags in seacans at the Mary River Camp, completely isolated from the outside environment and therefore posing no environmental issues. In consideration of the low potential of drill cores to generate ARD/ML (analytical test work as well as the storage locations for the core that are >30 m from water bodies), there is negligible potential for the generation of low quality drainage originating from core storage areas.

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<sup>4</sup>. 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 to assess the potential for excavated materials (i.e., waste ore and surplus ore) and exposed excavation faces to leach metals and/or acidity that could degrade the quality of receiving surface waters. Based upon the test results, it is concluded that the excavation surfaces and ore form the bulk sample program have essentially no potential to produce acid rock drainage. The detailed results and discussion of this work are presented in Appendix F.

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<sup>&</sup>lt;sup>4</sup> 2008 Bulk Sample Management Plan. Knight Piesold. March 31, 2008



### **SECTION 5.0 - FUEL STORAGE (PART B, ITEM 5 (VII))**

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 by 200 litre drums. Fuel re-supply was provided 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 winter, frozen conditions. 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.

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 and received delivery of diesel and Jet-A fuels in early September 2007 and again in August 2008. The storage facility consists of 74 bladders, each with a rated capacity of 113,560 litres and contained within an impermeable lined earthen berm designed to meet applicable standards and guidelines. An asbuilt report for the Milne bulk fuel storage facility was submitted to the NWB in December 2007. 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. Construction delays in this project resulted in final completion of the facility including ancillary fuel transfer modules in December 2008 (as-built report was submitted to the NWB in March 2009). Throughout most of 2008, fuel for use at Mary River Camp was supplied via drums and a 75,000 litre pre-engineered steel tank installed in a lined berm. Prior to the completion of the bulk fuel storage facility at Mary River Camp, ancillary fuel storage in lined containment was provided to supply the camp diesel-electric generators, to refuel vehicles (prior to bulk fuel storage facility construction), and for fuel barrel storage.

During 2008, 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

At the Milne and Mary River Camps fuel was transported and dispensed by a variety of methods that included: direct transfer from barrels, bulk fuel storage facility transfer modules; use of tanker trucks; flat bed trucks to transport barrelled fuel; and, fuel trucks to service vehicles and equipment working along the Milne Tote Road. All fuels consumed at Steensby and Mid-Rail Camps in 2008 were stored and transferred from drums delivered by aircraft from the Mary River camp. In October 2008 a sea-lift delivered barrelled fuel directly to Steensby Inlet. The delivered fuel was for use in future field programs and not utilized for the 2008 programs. 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.

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)", and the 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 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.



### SECTION 6.0 - UNAUTHORIZED DISCHARGES (PART B, ITEM 5 (VIII))

Spill contingency training was delivered to Baffinland spill response team members and all site staff through classroom and tool box meetings. A third party consultant was retained and provided additional field training to spill response team members. Field training including deploying response measures to mock spills on land and water.

In 2008, thirteen (13) spills were reported to the Nunavut Spill Line, Water License Inspector and the QIA Inspector. In addition to the required one page spill line report, a more detailed follow-up report was filed which included a description of the event together with the immediate cause, corrective and preventative action, and a map showing the location of the spill. Seven (7) of the 13 spills involved petroleum products, four (4) of which occurred within engineered and lined secondary containment structures. The balance of the events involved the release of treated or untreated sewage from various piping components. Spills that were in areas of unimpeded access were cleaned up immediately. Prompt actions were taken in response to all spill events that occurred outside of containment structures that substantially eliminated risks for permanent or material impacts to the environment. Spill sites with obstructed access or proximity to sensitive infrastructure (e.g., within lined fuel storage facilities) will be assessed and remediated when safe access to the locations becomes available. Improvements to storage/dispensing facilities and operating/maintenance practices were also implemented to minimize the potential occurrence of spill events.

In June 2008, within the fuel bladder tank farm at Milne Inlet, a bladder of Jet-A fuel had failed at a seam and caused a loss of approximately 8000 liters within the engineered containment facility. The spill was reported and inspected by an INAC water resource officer. A directive was issued by the INAC water resource officer and subsequently addressed by the Company (Appendix E).

During the treatment of accumulated water in the Milne Inlet lined fuel containment areas, one batch (approximately 80, 000L) of partially treated oily water (containing an estimated of 12 kg of oil and grease) was inadvertently discharged to the receiving environment. This incident was investigated on September 24<sup>th</sup> by an INAC water resource officer and representatives of the Qikiqtani Inuit Association (QIA) and Government of Nunavut. Corrective action was implemented by Baffinland to reduce the risk of similar repeat incidents. No further incidents of this nature have occurred.

The list of unauthorized discharges which occurred in 2008 is provided on 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, is provided on the table.



# SECTION 7.0 - INSPECTION AND COMPLIANCE REPORT CONCERNS (PART B, ITEM 5 (IX))

In 2008, Baffinland hosted 10 inspections from regulatory authorities including INAC, QIA, DFO, TC, and Environment Canada (EC). The Mary River Project received the following formal compliance inspections in 2008:

- An INAC water resource officer conducted an inspection with respect to the Water License terms and conditions on March 19-20, 2008. No major concerns were identified. A written inspector's report was not issued.
- Qikiqtani Inuit Association (QIA) representatives inspected the site on May 22-23, 2008 with respect to the terms and conditions of the Land Lease. No major concerns were identified. A written report was not issued.
- 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 June 18-19, 2008. A number of follow up items related to culvert upgrades, erosion control and monitoring were identified and have been addressed by the Company as summarised within the Annual Report to DFO.
- An Officer from Transport Canada (TC), Navigable Waters Protection Program completed a site visit on July 15-16, 2008, and inspected works completed under Section 5(1) authorizations issued by TC under the Navigable Waters Protection Act. No concerns were identified.
- An INAC water resource officer conducted an inspection of the fuel bladder tank farm at the Milne Inlet camp on July 25, 2008 prompted by a report from Baffinland in respect to the failure of a bladder and resulting release of fuel within an engineered containment area. An Inspector's Directive was issued by the INAC water resource officer and subsequently addressed by the Company (Appendix E).
- An INAC water resource officer conducted an inspection with respect to the terms and conditions of the project's Water License on August 7-8, 2008. Minor concerns were noted at the time of inspection and subsequently addressed by the Company. A written inspector's report was not issued.
- An INAC land use inspector conducted an inspection with respect to the terms and conditions of the projects INAC Land Use Permits on August 7-8, 2008. No major concerns were raised. A written inspector's report was not issued.
- Environment Canada (EC) visited on September 20<sup>th</sup> for a site orientation and to focus on drill water and waste management activities. EC requested follow up information that is provided in the 2008 Annual Report submitted to the Nunavut Impact Review Board produced by Baffinland Iron Mines Corporation and is attached in Appendix G for reference.
- An INAC water resource officer, representatives of the Qikiqtani Inuit Association (QIA) and Government of Nunavut conducted an inspection of the Milne Inlet Tank Farm on



September 24, 2008 prompted by a spill report submitted by Baffinland to the NT-NU Spill Report Line. The spill involved the accidental release of oily water from the tank farm's spill containment berm. A written inspector's report was not issued, and no corrective action was requested. Corrective action was implemented by Baffinland to reduce the risk of similar incidents.

 Representatives of the Qikiqtani Inuit Association (QIA) and their environmental consultants conducted a comprehensive environmental audit on October 5-6. The audit included a document review, personnel interviews and field inspection of facilities and equipment. There were no non-conformances found with respect to these criteria.



## SECTION 8.0 - UPDATES TO PLANS (PART B, ITEM 5 (X))

In March 2008, the NWB granted an amendment to the Water Licence in response to an application made by Baffinland in 2007. The granted amendment is in reference to the following program changes in addition to requested minor adjustments and clarifications:

- An additional seasonal camp at a location along the proposed rail alignment between Mary River and Steensby Inlet
- An increase in the size of a seasonal camp at Steensby Inlet
- Expiration date of the licence

In May 2008, the NWB granted a modification (Part J, Item 1) to the Waste Disposal facilities to permit the construction of additional polishing waste storage pond (PWSP) capacity at Milne Inlet and Mary River. The modification granted approval to construct, as necessary, one (1) additional pond at Milne Inlet and two (2) additional ponds at Mary River.

In accordance with Part B, Item 5 (x) of the water licence, an annual review of the management plans developed under the water license has been undertaken. Updates to the Abandonment and Reclamation Plan, the Spill Contingency Plan, Site Water Management Plan, QA/QC Plan and Waste Water Management Plan have been completed. Changes to these plans are broadly summarized as follows:

- Abandonment and Reclamation Plan. This Plan has been updated to reflect current site conditions and present a 'worst case' full cost scenario for a hypothetical final closure scenario executed in 2010. The most salient change from the 2008 Plan is the inclusion of the costs of residual and typically operationally budgeted activities, for example, contractor demobilization and the completion of planned site and civil works (including landfill site construction, and borrow site contouring for example). The Plan has been developed based on assumed third-party execution of the work. The updated cost of site reclamation is also reflective of the Company plans to pursue approval for full-scale mine development.
- Wastewater Management Plan. This Plan has been updated in consideration of operational experience with the mechanical treatment systems at Milne Inlet and Mary River and to include plans for the discharge of PWSP contents currently in storage.
- 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.
- Water Management and QA/QC Plan. This Plan has been updated to include the option of
  utilizing non-toxic co-polymer flocculant blocks in seasonal drainages as a means to control
  suspended sediment and turbidity. There were other minor updates to the plan including
  revisions to the QA/QC plan such as removal of accreditation information for laboratories
  no longer used and providing greater clarity with respect to current QA/QC practices.

A copy of each of these revised Plans and Reports is provided in Appendix H.



### SECTION 9.0 - PROGRESSIVE RECLAMATION WORK (PART B, ITEM 5 (XI))

A summary of progressive reclamation work completed in 2008 is provided below.

- A portion of the existing barrel/drum culverts remaining from the 1960s, as well as the
  eroded water crossings along the Milne Inlet Tote Road, were improved through the
  installation of engineered culverts in accordance with the Water Licence and DFO
  authorizations.
- Recontouring of borrow areas along the Milne Inlet Tote Road commenced, with further work required to confirm that the as-built conditions are suitable for eventual decommissioning.
- Qikiqtaaluk Environmental was retained by the Company and conducted an assessment of hazardous wastes, which included preparing an inventory and providing recommendations on how to recycle/dispose of the material in accordance with permits and regulatory requirements. Two shipments of hazardous wastes were manifested and transported via sea-lift to licensed waste management facilities. Additional hazardous materials have been prepared for off-site disposal and are stored in designated locations awaiting future backhaul.
- A portion of the existing scrap steel at Milne Inlet and Mary River, as well as various project wastes, were collected and consolidated.
- Empty drums were consolidated, stockpiled, crushed and prepared for off-site recycling.
- Litter and debris were removed and test pits, channels and in-ground sumps were backfilled as part of the 2008 geotechnical drilling program. Additional work and final inspections required for final reclamation of these sites has been inventoried and is ongoing.

Representative photographs of the progressive reclamation work undertaken in 2008 are included in Appendix I.



### SECTION 10.0 - SUMMARY OF CONSULTATIONS (PART B, ITEM 5 (XIV))

Engagement between the Company and potentially interested stakeholders and communities has 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.

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. As indicated in Table 10.1, representatives of North Baffin hamlets, Inuit knowledge study Working Groups, a number of government representatives, and local community members including students visited the Mary River operations in 2008. 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.

In 2007, formal public meetings were held in each of the Communities of Interest to discuss current operations and plans related to potential full-scale development of the Mary River Project. These meetings were well attended and feedback was balanced. Baffinland also held a number of meetings with Inuit organizations, government agencies, and Institutes of Public Government (IPG). Meetings were also held with Mayor and Council in each of the Communities of Interest. The formation of a CLO network, continuation of Inuit Knowledge Studies, combined with formal and informal meetings and site visits provided information and input that helped provide guidance to project planning and the submission of a Development Proposal and associated applications required to initiate the regulatory review process. In March of 2008, the regulatory review process was initiated and is currently underway.

Community consultation expanded on previous methods and approaches in 2008. Public Meetings held in each of the Communities of Interest immediately following the initiation of the regulatory review process. Baffinland was accompanied at these Public Meetings by the QIA, who observed the proceedings and was able to answer questions, as appropriate. In parallel with these Public Meetings, meetings were also held with Mayor and Council, the Hunter and Trapper Organization, and the QIA Community Lands and Resource Communities (CLARC) in each of the



communities. The objective of these meetings was to hold dialogue with the communities, provide them with accurate information regarding current site activities and the Project Development Proposal being considered, and to identify any issues or concerns. Comments received from the CLARC during the 2008 NIRB Part 4 Screening related to amendments to existing exploration and geotechnical programs were discussed at these meetings.

Formal meetings held with the public in the communities, community organizations and government agencies in 2008 are listed in Table 10.1. This list is not necessarily exhaustive, but gives good insight as to the nature of Baffinland's ongoing consultation efforts. The minutes from these meetings have been incorporated into a central database that is used to assist in Project planning.





## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### SUMMARY OF 2008 ACTIVITIES AND SUBMISSIONS

Date	Activity/Submission
January 2008	December monthly water license report submission
January 2008	As-Built submission for Milne Inlet Waste Water Treatment Facility
January 2008	As-Built submission for the Mary River Tanks a lot system and Polishing Pond #1
February 2008	January monthly water license report submission
February 2008	Water License Amendment granted
February 2008	Installation of all-season tent camp at Mary River
February 2008	Construction completion of Mary River Waste Water Treatment Facility (Rotating Biological Contactor)
March 2008	February monthly water license report submission
March 2008	Water License Inspector site visit
March 2008	Submission of annual report (2007)
March 2008	Submission of update to existing Abandonment and Reclamation Plan
March 2008	Submission of update to existing Spill Contingency Plan
March 2008	Submisson of update to Bulk Sample Management Plan
March 2008	Submission of update to Site Water Management Plan and Surface Water Sampling Program - Quality Assurance and Quality Control Plan
March 2008	Submission of update to Landfill Design and Operations Management Plan
March 2008	Mobilization to Steensby Inlet Camp in preparation for 2008 program - Camp expansion
March 2008	Commencement of 2008 geotechnical drilling program
April 2008	March monthly water license report submission
April 2008	Letter request to permit controlled Open Burning
May 2008	Construction completion of 2nd Polishing Waste Stabilization
May 2008	April monthly water license report submission
May 2008	Water License Modification granted - Waste Disposal Facilities
June 2008	May monthly water license report submission
July 2008	Commissioning of Mid-Rail Camp - commencement of water use and waste disposal
July 2008	June monthly water license report submission
July 2008	As-built submission for Mary River RBC and Polishing Waste Stabilization Pond (2nd Pond)
July 2008	Commencement of 2008 exploration drilling program
July 2008	Water License Inspector site visit
August 2008	July monthly water license report submission
August 2008	Water License Inspector site visit
August 2008	Sea-lift arrival of bulk fuel
September 2008	August monthly water license report submission
September 2008	Water Board Approval of Landfill Design Report
September 2008	Completion of 2008 exploration drilling program
September 2008	Completion of 2008 geotechnical drilling program
September 2008	Water License Inspector site visit
September 2008	Dry-cargo backhaul from Milne Inlet including hazardous wastes for off-site recycling and disposal
October 2008	September monthly water license report
October 2008	Dry-cargo backhaul from Milne Inlet including hazardous wastes for off-site recycling and disposal
October 2008	Sea-lift arrival into Steensby Inlet
November 2008	October monthly water license report
November 2008	Follow-up submission to Landfill Design Report
November 2008	Substantial completion of Milne Inlet tote road upgrade
December 2008	Construction completion of the Mary River Bulk Fuel Storage Facility
December 2008	November monthly water license report submission



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### SUMMARY OF EXPLORATION DRILLING

Deposit No.	2004		2005		2006		2007		2008		Total	
	Number of Holes Drilled	Meterage	Number of Holes Drilled	Meterage	Number of Holes Drilled	Meterage						
		(m)										
1	14	2691	33	8073	23	4136.5	23	4246.5	27	5071	120	24,218
2	1	122	0	0	7	1195.7	0	0	0	0	8	1317.7
3	0	0	0	0	3	642	8	1917	0	0	11	2559



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### **EXPLORATION DRILLHOLE DETAILS**

Drillhole ID	UTM Cod	ordinates	Elevation	Azimuth	Dip	Depth	Date Started	Date Finished
	Northing	Easting			-			
	(m)	(m)	(m)			(m)		
MR1-07-136	7914409	563228	597	295	-50	(192)84	2007	14-Jul-08
MR1-08-140	7914472	563300	598	295	-10	166.0	18-Jul-08	27-Jul-08
MR1-08-141	7913994	563456	463	224	-55	350.0	21-Jul-08	07-Aug-08
MR1-08-142	7914895	563622	604	295	-50	169.0	16-Jul-08	20-Jul-08
MR1-08-143	7914831	563586	608	295	-50	199.0	20-Jul-08	26-Jul-08
MR1-08-144	7915010	563718	598	295	-50	235.0	27-Jul-08	30-Jul-08
MR1-08-145	7914409	563228	597	295	-10	159.0	31-Jul-08	06-Aug-08
MR1-08-146	7914865	563684	589	295	-50	254.0	31-Jul-08	05-Aug-08
MR1-08-147	7914866	563689	590	295	-50	188.0	06-Aug-08	09-Aug-08
MR1-08-148	7914831	563586	608	295	-14	120.0	06-Aug-08	10-Aug-08
MR1-08-149	7913917	563385	463	224	-20	222.0	07-Aug-08	17-Aug-08
MR1-08-150	7914866	563689	590	295	-50	146.0	09-Aug-08	13-Aug-08
MR1-08-151	7914895	563622	604	295	-14	102.0	10-Aug-08	13-Aug-08
MR1-08-152	7915010	563718	598	295	-14	165.0	14-Aug-08	18-Aug-08
MR1-08-153	7914799	563651	591	295	-50	151.1	15-Aug-08	22-Aug-08
MR1-08-154	7913904	563429	449	224	-20	261.0	18-Aug-08	02-Sep-08
MR1-08-155	7915107	563703	606	224	-14	150.0	22-Aug-08	26-Aug-08
MR1-08-156	7914799	563651	591	295	-50	194.0	24-Aug-08	28-Aug-08
MR1-08-157	7914928	563733	589	295	-18	174.4	26-Aug-08	30-Aug-08
MR1-08-158	7914978	563786	582	295	-50	311.0	29-Aug-08	04-Sep-08
MR1-08-159	7915107	563703	606	295	-50	195.0	31-Aug-08	03-Sep-08
MR1-08-160	7913805	563401	445	224	-20	183.0	03-Sep-08	09-Sep-08
MR1-08-161	7914775	563536	618	295	-14	165.0	03-Sep-08	07-Sep-08
MR1-08-162	7913787	563462	427	224	-70	188.0	05-Sep-08	09-Sep-08
MR1-08-163	7914722	563479	620	295	-10	157.0	09-Sep-08	13-Sep-08
MR1-08-164	7913914	563297	502	224	-12	105.0	10-Sep-08	16-Sep-08
MR1-08-165	7914254	563386	536	224	-75	157.0	10-Sep-08	9/15/2008*
MR1-08-166	7914655	563441	614	295	-10	107.0	14-Sep-08	9/17/2008*

<sup>\*</sup> Drills remain on these sites and may be completed in future campaigns.



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### 2008 MINE SITE DRILLHOLE DETAILS

Drillhole	Drillhole C	oordinates	Water Source	Coordinates	Depth of	Date	Date		
Number	Northing	Easting	Northing	Easting	Drillhole	Started	Completed		
	(m)	(m)	(m)	(m)	(m)	(m)			
line Site Infrastructure	е								
MSI-2008-03	7,913,603	560,764	Sheardo	wn Lake	17.6	27-Jun-08	27-Jun-08		
MSI-2008-05	7,913,461	561,171	Sheardo	wn Lake	25.6	5-Sep-08	5-Sep-08		
MSI-2008-06	7,913,436	561,250	Sheardo	wn Lake	26.5	6-Sep-08	6-Sep-08		
MSI-2008-12	7,912,524	560,873	Sheardo	wn Lake	10.8	26-Jun-08	26-Jun-08		
MSI-2008-13	7,912,435	560,932	Sheardo	wn Lake	14.5	27-Jun-08	27-Jun-08		
MSI-2008-21	7,912,874	563,216	7,912,787	563,348	15.6	24-Jun-08	24-Jun-08		
MSI-2008-22	7,912,901	563,131	7,912,787	563,348	15.2	25-Jun-08	25-Jun-08		
MSI-2008-23	7,913,005	563,188	7,912,787	563,348	15.4	25-Jun-08	25-Jun-08		
MSI-2008-24	7,913,283	563,640	7,913,017	563,969	5.5	26-Jun-08	26-Jun-08		
MSI-2008-25	7,917,200	563,090	Sheardo	wn Lake	16.5	27-Jul-08	28-Jul-08		
Mine Rail Loop									
MRL-2008-06	7,913,108	561,122	7,913,018	560,890	23.0	8-May-08	8-May-08		
MRL-2008-07	7,913,507	560,787	7,913,018	560,890	20.4	10-May-08	10-May-08		
MRL-2008-09	7,913,129	560,987	7,913,018	560,890	20.0	9-May-08	9-May-08		
MRL-2008-10	7,913,329	560,926	7,913,018	560,890	20.6	10-May-08	10-May-08		
Mine Waste Dumps						•			
MWD-2008-01	7,916,304	563,254		wn Lake	20.0	3-Aug-08	3-Aug-08		
MWD-2008-02	7,915,999	562,555	Sheardo	wn Lake	20.8	27-Jul-08	27-Jul-08		
MWD-2008-03	7,915,249	562,850	Sheardo	wn Lake	15.1	3-Sep-08	3-Sep-08		
MWD-2008-04	7,915,240	562,394		wn Lake	8.0	25-Jul-08	26-Jul-08		
MWD-2008-05	7,915,242	561,969	Sheardo	wn Lake	10.2	2-Aug-08	2-Aug-08		
MWD-2008-06	7,914,387	562,313		wn Lake	7.4	1-Aug-08	2-Aug-08		
MWD-2008-07	7,914,321	562,006		wn Lake	8.0	4-Sep-08	4-Sep-08		
MWD-2008-08	7,914,256	561,620		wn Lake	10.6	28-Jul-08	29-Jul-08		
MWD-2008-09	7,913,655	562,036		wn Lake	12.4	4-Sep-08	4-Sep-08		
MWD-2008-10&RD	7,913,443	562,386	Sheardo	wn Lake	13.8	30-Jul-08	31-Jul-08		
MWD-2008-10RD2	7,913,457	562,382	Sheardo	wn Lake	5.0	31-Jul-08	1-Aug-08		
Mine Pit Overburden					•				
MPO-2008-02&RD	7,914,512	563,822		wn Lake	16.3	1-Sep-08	2-Sep-08		
MPO-2008-03	7,915,050	563,822		wn Lake	15.1	2-Sep-08	3-Sep-08		
MPO-2008-05	7,915,274	563,387		wn Lake	8.1	1-Sep-08	1-Sep-08		
MPO-2008-07	7,914,742	562,692		wn Lake	15.2	31-Aug-08	31-Aug-08		
MPO-2008-08	7,914,467	562,594		wn Lake	12.4	31-Aug-08	31-Aug-08		
MPO-2008-09	7,913,984	562,706	Sheardo	wn Lake	9.0	27-Aug-08	27-Aug-08		

### NOTES:

- COORDINATES SURVEYED WITH A HANDHELD GPS.
- 2. ALL COORDINATES ARE GIVEN IN UTM NAD 83 (ZONE 17), IN METERS.
- 3. WHERE WATER SOURCE COORDINATES ARE NOT GIVEN A PUMP SHACK WAS NOT USED. WATER WAS TRANSPORTED FROM THE NAMED WATER BODY TO THE DRILL SITE VIA HELICOPTI



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

Drillhole	Drillhole C	oordinates	Water Source	e Coordinates	Depth of	Date	Date
Number	Northing (m)	Easting (m)	Northing (m)	Easting (m)	Drillhole (m)	Started	Completed
BH2-2007-03	7,911,280	563,853	7,910,964	563,754	25.70	16-Jun-08	16-Jun-08
BH2-2007-04	7,910,498	564,794	7,910,369	564,779	15.10	15-Jun-08	15-Jun-08
BH2-2007-05	7,910,257	565,426	7,910,066	565,378	10.00	15-Jun-08	15-Jun-08
BH2-2007-07	7,909,299	566,579	7,909,367	566,201	10.40	14-Jun-08	14-Jun-08
BH2-2007-08	7,908,317	567,849	7,908,120	567,703	11.50	13-Jun-08	13-Jun-08
BH2-2007-09&RD	7,907,777	568,899	7,907,147	569,199	10.15	12-Jun-08	13-Jun-08
BH2-2007-10	7,907,666	569,066	7,907,328	568,691	11.07	11-Jun-08	11-Jun-08
BH2-2007-11	7,907,376	569,507	7,907,129	569,195	11.24	11-Jun-08	11-Jun-08
BH2-2007-13	7,906,414	570,962	7,906,140	570,495	10.10	17-Jun-08	18-Jun-08
BH2-2007-14	7,905,969	571,493	7,905,267	571,277	15.45	13-Jun-08	13-Jun-08
BH2-2007-15	7,905,703	571,825	7,905,347	571,646	10.20	18-Jun-08	18-Jun-08
BH2-2007-16	7,905,538	572,091	7,905,347	571,646	10.00	19-Jun-08	19-Jun-08
BH2-2007-17	7,905,138	572,780	7,904,272	572,966	17.35	11-Jun-08	12-Jun-08
BH2-2007-18	7,905,039	572,939	7,904,272	572,966	11.35	11-Jun-08	11-Jun-08
BH2-2007-19	7,904,942	573,076	7,904,340	572,787	19.00	8-Apr-08	10-Apr-08
BH2-2007-20	7,904,710	573,631	7,904,215	573,254	11.25	10-May-08	11-May-08
BH2-2007-23	7,903,967	575,286	7,903,600	575,652	10.10	9-Jun-08	9-Jun-08
BH2-2007-24	7,903,744	575,732	7,903,599	575,704	10.00	8-Jun-08	8-Jun-08
BH2-2007-25	7,903,693	575,880	7,903,599	575,704	15.70	7-Jun-08	7-Jun-08
BH2-2007-26	7,903,503	576,264	7,902,938	576,630	10.00	12-May-08	12-May-08
BH2-2007-27	7,903,016	577,388	7,902,938	576,630	11.65	13-May-08	13-May-08
BH2-2007-28	7,902,799	577,791	7,902,583	577,869	9.60	8-Jun-08	8-Jun-08
BH2-2007-29	7,902,494	578,336	7,902,595	578,058	10.60	7-Jun-08	7-Jun-08
BH2-2007-30	7,902,341	578,598	7,902,593	578,055	10.00	6-Jun-08	7-Jun-08
BH2-2007-31	7,902,017	579,328	7,901,485	579,951	11.00	13-May-08	13-May-08
BH2-2007-32	7,901,912	579,623	7,901,485	579,951	9.80	13-May-08	14-May-08
BH2-2007-35	7,901,794	580,358	7,901,585	580,060	10.25	6-Jun-08	7-Jun-08
BH2-2007-36	7,901,739	580,552	7,901,204	580,429	20.20	14-May-08	15-May-08
BH2-2007-40	7,900,678	583,774	7,900,182	583,288	10.20	19-Jun-08	19-Jun-08
BH2-2007-42	7,900,443	584,707	7,900,426	584,821	11.10	5-Jun-08	5-Jun-08
BH2-2007-45	7,899,226	586,415	7,899,045	586,315	10.00	20-Jun-08	20-Jun-08
BH2-2007-48	7,897,657	587,827	7,898,083	588,213	9.80	14-May-08	14-May-08
BH3-2008-01	7,910,784	564,235	7,910,789	563,911	15.20	16-Jun-08	16-Jun-08
BH3-2008-02	7,908,983	566,987	7,908,774	566,987	10.30	6-Aug-08	6-Aug-08
BH3-2008-08&RD	7,906,578	570,712	7,906,120	570,450	15.10	4-Aug-08	5-Aug-08
BH3-2008-10	7,906,514	570,841	7,906,120	570,450	15.02	3-Aug-08	4-Aug-08
BH3-2008-11	7,904,924	573,115	7,904,242	573,171	19.30	11-Apr-08	12-Apr-08
BH3-2008-12	7,903,807	575,589	7,903,595	575,706	14.20	8-Jun-08	8-Jun-08
BH3-2008-13&RD&RD2	7,903,601	575,988	7,903,512	575,948	15.00	30-Jul-08	2-Aug-08
BH3-2008-14	7,903,213	576,992	7,902,926	576,862	16.80	13-Apr-08	15-Apr-08
BH3-2008-15	7,902,915	577,571	7,902,968	576,794	11.00	8-Jun-08	9-Jun-08
BH3-2008-16	7,902,666	578,036	7,902,926	576,707	14.80	30-Apr-08	2-May-08
BH3-2008-17	7,901,940	579,854	7,901,505	579,953	21.10	16-Apr-08	17-Apr-08
BH3-2008-18	7,901,273	581,551	7,900,769	581,216	10.10	4-Jun-08	5-Jun-08
BH3-2008-19	7,901,237	581,648	7,901,163	580,454	19.80	2-May-08	7-May-08
BH3-2008-24	7,900,017	585,448	7,900,216	585,847	20.00	10-Aug-08	10-Aug-08
BH3-2008-28	7,898,540	587,071	7,898,085	588,215	19.30	8-May-08	12-May-08
BH3-2008-29	7,898,368	587,217	7,898,087	588,214	10.20	13-May-08	15-May-08
BH3-2008-30	7,898,045	587,577	7,898,077	588,225	16.20	21-Apr-08	23-Apr-08
BH3-2008-31	7,897,179	588,351	7,898,086	588,215	10.00	15-May-08	16-May-08
BH3-2008-32	7,896,795	588,805	7,896,628	588,671	10.20	17-Jul-08	18-Jul-08
BH3-2008-33	7,896,530	588,980	7,896,346	589,055	10.85	16-Jul-08	17-Jul-08
BH3-2008-34	7,896,425	589,050	7,896,342	589,053	12.15	15-Jul-08	15-Jul-08
BH3-2008-36&RD&RD2	7,894,649	590,833	7,894,540	590,814	10.60	14-Jul-08	15-Jul-08
BH3-2008-38	7,892,697	592,882	7,893,124	593,000	14.50	11-Apr-08	13-Apr-08
BH3-2008-39	7,892,643	592,943	7,893,124	593,000	10.70	14-Apr-08	15-Apr-08
BH3-2008-40	7,892,484	593,110	7,893,124	593,000	12.90	16-Apr-08	17-Apr-08
BH3-2008-41&RD	7,892,291	593,469	7,892,354	593,211	10.25	3-Jun-08	4-Jun-08
BH3-2008-42	7,892,239	593,574	7,893,115	592,999	13.80	23-Apr-08	28-Apr-08
BH3-2008-43	7,891,394	594,292	7,890,941	593,196	12.20	13-May-08	14-May-08
BH3-2008-44	7,890,973	594,334	7,891,178	594,110	10.25	2-Jun-08	3-Jun-08
BH3-2008-45&RD	7,889,875	594,652	7,889,742	594,592	6.50	20-Jun-08	21-Jun-08
BH3-2008-48	7,887,070	596,560	7,887,211	596,419	6.20	6-Jul-08	6-Jul-08
BH3-2008-49	7,885,569	596,545	7,885,694	596,484	10.50	8-Jul-08	8-Jul-08
BH3-2008-50	7,884,268	597,030	7,884,174	596,648	12.00	21-Jun-08	22-Jun-08
BH3-2008-51&RD	7,882,945	598,103	7,882,883	598,030	15.20	22-Jun-08	22-Jun-08
BH3-2008-52	7,881,518	598,014	7,881,627	598,043	7.50	10-Jul-08	10-Jul-08
BH3-2008-56	7,869,582	598,256	7,869,432	598,802	10.90	9-Jul-08	9-Jul-08
BH3-2008-59	7,863,237	602,640	7,863,035	602,937	15.70	20-Jun-08	21-Jun-08
BH3-2008-60	7,862,274	602,559	7,862,135	602,730	9.70	20-Jun-08	20-Jun-08
BH3-2008-61	7,860,656	603,498	7,860,700	603,650	11.20	20-Jun-08	20-Jun-08
BH3-2008-62	7,860,289	603,696	7,860,700	603,931	13.65	19-Jun-08	19-Jun-08
BH3-2008-63	7,858,960	603,895	7,859,055	604,018	20.50	18-Jun-08	19-Jun-08
BH3-2008-64	7,858,431	604,587	7,858,531	604,717	15.20	18-Jun-08	19-Jun-08
BH3-2008-65	7,857,649	605,142	7,857,852	605,313	15.45	17-Jun-08	17-Jun-08 5-Jul-08
BH3-2008-68	7,856,408	605,513	7,856,218	605,688	10.00	4-Jul-08	
BH3-2008-69	7,855,328	605,528	7,855,290	605,683	18.60	4-Jul-08	4-Jul-08
BH3-2008-71 BH3-2008-72	7,853,461 7,852,492	605,563 606,400	7,853,409 7,852,678	605,790 606,447	10.20 6.70	3-Jul-08 8-Jul-08	3-Jul-08 8-Jul-08



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

Drillhole	Drillhole C	oordinates	Water Source	e Coordinates	Depth of	Date	Date
Number	Northing (m)	Easting (m)	Northing (m)	Easting (m)	Drillhole (m)	Started	Completed
BH3-2008-75	7.850.724	606,365	7,850,698	606.482	15.20	15-Jun-08	15-Jun-08
BH3-2008-76	7,850,129	606,386	7,850,140	606,467	18.80	12-Jun-08	13-Jun-08
BH3-2008-77&RD	7,848,564	606,191	7,848,869	606,370	17.90	12-Jun-08	13-Jun-08
BH3-2008-78	7,847,940	606,319	7,847,964	606,768	15.20	16-Jun-08	16-Jun-08
BH3-2008-79	7,847,712	606,346	7,847,400	606,700	16.05	2-Jul-08	2-Jul-08
BH3-2008-80	7,846,993	606,215	7,847,022	606,563	20.00	11-Jun-08	12-Jun-08
BH3-2008-81	7,846,515	606,305	7,846,517	606,688	20.05	11-Jun-08	11-Jun-08
BH3-2008-82	7,846,152	606,383	7,844,973	606,681	10.60	16-May-08	17-May-08
BH3-2008-83	7,845,594	606,247	7,845,399	606,413	25.00	8-Jun-08	8-Jun-08
BH3-2008-84	7,844,420	605,833	7,844,327	606,094	30.00	8-Jun-08	9-Jun-09
BH3-2008-85	7,843,771	605,932	7,843,831	606,193	17.85	18-Apr-08	22-Apr-08
BH3-2008-86&RD	7,842,760	606,351	7,842,814	606,511	19.40	23-Apr-08	26-Apr-08
BH3-2008-87	7,841,895	606,979	7,841,894	607,025	20.15	18-May-08	19-May-08
BH3-2008-89	7,840,963	607,738	7,841,070	607,684	10.00	15-Jul-08	15-Jul-08
BH3-2008-90&RD	7,840,916	607,798	7,841,070	607,684	26.50	15-Jul-08	16-Jul-08
BH3-2008-91	7,840,828	607,907	7,840,833	607,894	29.30	30-Aug-08	31-Aug-08
BH3-2008-92	7,840,735	608,015	7,840,687	608,034	28.00	26-Aug-08	27-Aug-08
BH3-2008-93	7,840,644	608,138	7,840,579	608,193	10.00	18-Jul-08	18-Jul-08
BH3-2008-94	7,840,580	608,261	7,840,579	608,193	17.70	18-Jul-08	18-Jul-08
BH3-2008-95	7,839,272	608,801	7,839,295	608,670	20.10	20-May-08	22-May-08
BH3-2008-96	7,838,943	608,855	7,839,295	608,670	30.45	23-May-08	24-May-08
BH3-2008-97	7,838,470	608,899	7,838,463	608,845	15.10	8-Jun-08	8-Jun-08
BH3-2008-98	7,838,034	608,789	7,838,098	608,763	23.30	6-Jun-08	6-Jun-08
BH3-2008-100	7,837,182	608,425	7,837,176	608,238	15.40	1-May-08	2-May-08
BH3-2008-103	7,835,961	606,728	7,836,072	606,660	19.90	25-May-08	26-May-08
BH3-2008-104	7,835,784	606,249	7,835,946	606,190	20.00	27-May-08	28-May-08
BH3-2008-111	7,834,734	605,090	7,835,162	605,115	30.40	29-May-08	30-May-08
BH3-2008-114	7,833,844	604,148	7,834,013	603,952	22.50	1-May-08	2-May-08
BH3-2008-115	7,833,480	603,404	7,833,692	603,357	10.90	27-Apr-08	28-Apr-08
BH3-2008-117	7,833,381	601,985	7,833,489	601,990	12.10	5-Jun-08	5-Jun-08
BH3-2008-121	7,832,461	601,171	7,832,490	601,154	19.90	7-Jun-08	7-Jun-08
BH3-2008-123	7,832,025	600,855	7,832,035	600,758	23.35	4-May-08	8-May-08
BH3-2008-124	7,831,976	600,827	7,832,036	600,759	15.60	2-May-08	3-May-08
BH3-2008-125	7,831,709	600,494	7,831,698	600,432	8.30	6-Jun-08	6-Jun-08
BH3-2008-126	7,831,475	600,324	7,831,558	600,295	15.00	4-Jun-08	4-Jun-08
BH3-2008-127	7,831,287	600,177	7,831,192	599,975	20.30	4-Jun-08	4-Jun-08
BH3-2008-128	7,830,892	599,880	7,831,007	599,858	10.00	23-Jul-08	23-Jul-08
BH3-2008-129	7,830,785	599,793	7,831,007	599,858	15.00	23-Jul-08	23-Jul-08
BH3-2008-130	7,828,780	598,171	7,828,913	598,024	20.00	3-Jun-08	3-Jun-08
BH3-2008-131	7,827,111	597,051	7,827,102 <sup>(3)</sup>	596,723 <sup>(3)</sup>	16.00	23-Jul-08	23-Jul-08
BH3-2008-132	7,826,420	597,201	7,826,228	596,888	18.00	2-May-08	3-May-08
BH3-2008-133	7,825,978	597,564	7,825,883	597,342	10.20	22-Jul-08	22-Jul-08
BH3-2008-134	7,825,837	597,805	7,825,252	597,760	9.30	21-Jul-08	21-Jul-08
BH3-2008-135	7,825,610	598,141	7,825,266	597,762	10.00	21-Jul-08	21-Jul-08
BH3-2008-136&RD	7,825,162	598,411	7,825,019	597,938	8.20	20-Jul-08	20-Jul-08
BH3-2008-137	7,824,614	598,603	7,824,418	598,290	10.00	20-Jul-08	20-Jul-08
BH3-2008-138	7,824,441	598,619	7,824,413	598,285	11.10	2-Jun-08	2-Jun-08
BH3-2008-139	7,824,164	598,550	7,824,090	598,284	10.00	19-Jul-08	19-Jul-08
BH3-2008-140	7,823,546	598,534	7,824,088	598,285	5.90	18-Jul-08	18-Jul-08
BH3-2008-141	7,823,188	598,650	7,823,180	598,566	12.70	2-Jun-08	2-Jun-08
BH3-2008-142	7,822,911	598,639	7,822,910	598,548	10.30	1-Jun-08	1-Jun-08
BH3-2008-143	7,822,296	598,605	7,822,470	598,465	7.70	18-Jul-08	18-Jul-08
BH3-2008-144	7,821,839	598,525	7,821,905	598,390	10.00	17-Jul-08	17-Jul-08
BH3-2008-145	7,821,287	598,334	7,821,341	598,185	16.20	1-Jun-08	1-Jun-08
BH3-2008-146	7,820,791	598,183	7,820,952	598,051	30.00	31-May-08	31-May-08
BH3-2008-148	7,820,637	598,169	7,820,968	598,050	34.70	31-May-08	1-Jun-08
BH3-2008-149	7,820,253	598,398	7,820,769	597,777	20.10	2-Jun-08	2-Jun-08
BH3-2008-150	7,819,773	598,479	7,819,185	597,317	14.34	3-Jul-08	3-Jul-08
BH3-2008-151	7,819,438	598,493	7,819,189	597,310	11.20	3-Jul-08	3-Jul-08
BH3-2008-152&RD	7,818,414	598,380	7,818,042	598,081	10.00	16-Jul-08	16-Jul-08
BH3-2008-153	7,818,064	598,269	7,818,038	598,077	15.60	31-May-08	1-Jun-08
BH3-2008-156	7,816,780	598,490	7,816,705	598,792	11.15	5-Jul-08	5-Jul-08
BH3-2008-157&RD	7,816,334	598,523	7,816,259	598,667	18.30	6-Jun-08	7-Jun-08
BH3-2008-159	7,815,053	598,809	7,815,157	598,651	11.60	8-Jun-08	8-Jun-08
BH3-2008-160	7,813,862	600,072	7,813,925	600,193	11.70	9-Jun-08	9-Jun-08
BH3-2008-161	7,813,282	600,480	7,813,503	600,685	12.80	11-Jun-08	12-Jun-08
BH3-2008-164	7,812,167	600,791	7,811,495	600,565	11.20	4-May-08	8-May-08
3-2008-165&RD&RD2	7,811,729	600,966	7,811,591	600,888	29.10	13-Jul-08	15-Jul-08
BH3-2008-166	7,811,056	601,063	7,811,410	600,518	35.20	9-May-08	11-May-08
BH3-2008-167	7,811,636	600,896	7,811,317	600,547	10.70	30-May-08	30-May-08
BH3-2008-169&RD	7,810,147	599,609	7,810,189	599,414	15.60	12-Jul-08	13-Jul-08
BH3-2008-170&RD	7,810,147	599,009	7,810,189	599,223	17.17	7-Jul-08	8-Jul-08
BH3-2008-171	7,809,641	599,198	7,810,081	599,223	12.30	9-Jul-08	9-Jul-08
BH3-2008-171	7,809,641	598,674	7,809,659	598,832	22.30	30-May-08	30-May-08
BH3-2008-172 BH3-2008-173			7,808,847	598,832 598,863	10.00	30-May-08 15-May-08	19-May-08
	7,809,077	598,551		598,863			19-May-08
BH3-2008-174 BH3-2008-175	7,808,024 7,807,962	598,634	7,807,623		11.10	17-May-08	18-May-08
		598,651	7,807,625 7,807,623	598,448	11.70	15-May-08	
BH3-2008-176 BH3-2008-177	7,807,903	598,658	7,807,623	598,448 598,447	10.90	12-May-08 13-May-08	13-May-08
	7,807,834	598,680	1,001,023	J90,44 <i>1</i>	11.70	13-Way-Ub	14-May-08



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

Drillhole	Drillhole C	oordinates	Water Source	Coordinates	Depth of	Date	Date
Number	Northing (m)	Easting (m)	Northing (m)	Easting (m)	Drillhole (m)	Started	Completed
BH3-2008-179	7,807,326	598,800	7.807.671	598,455	30.30	28-May-08	28-May-08
BH3-2008-180	7,806,507	598,729	7,807,718	598,460	33.70	25-May-08	26-May-08
BH3-2008-181&RD	7,806,071	598,459	7,804,865	599,013	28.30	23-May-08	24-May-08
BH3-2008-182	7,805,217	597,703	7,804,861	599,009	20.30	22-May-08	22-May-08
BH3-2008-183	7,804,984	597,490	7,804,867	599,015	16.10	19-May-08	21-May-08
BH3-2008-184	7,803,843	596,966	7,803,570	595,204	14.10	19-May-08	19-May-08
BH3-2008-185	7,802,650	595,313	7,802,545	595,070	8.50	26-Jul-08	26-Jul-08
BH4-2008-04	7,910,156	565,392	7,910,061	565,381	10.00	7-Aug-08	7-Aug-08
BH4-2008-06	7,909,672	565,954	7,909,643	565,883	20.10	8-Aug-08	9-Aug-08
BH4-2008-07	7,906,681	570,536	7,906,119	570,451	10.40	5-Aug-08	5-Aug-08
BH4-2008-08	7,905,777	571,649	7,904,681	571,460	13.40	3-Aug-08	3-Aug-08
BH4-2008-12&RD	7,904,551	574,175	7,904,284	573,330	11.85	22-Jul-08	23-Jul-08
BH4-2008-13	7,904,158	574,872	7,903,625	575,446	10.40	21-Jul-08	21-Jul-08
BH4-2008-15	7,903,347	576,706	7,902,937	576,625	11.60	11-May-08	12-May-08
BH4-2008-17	7,902,150	578,962	7,902,005	578,847	10.20	29-Jul-08	30-Jul-08
BH4-2008-18	7,901,865	580,146	7,901,646	579,984	10.50	29-Jul-08	29-Jul-08
BH4-2008-19&RD	7,901,536	580,871	7,901,270	580,586	15.27	5-Jun-08	6-Jun-08
BH4-2008-20&RD	7,901,020	582,371	7,900,856	582,054	10.20	27-Jul-08	28-Jul-08
BH4-2008-21	7,900,975	582,778	7,900,954	582,056	10.30	27-Jul-08	27-Jul-08
BH4-2008-23	7,900,702	583,883	7,900,179	583,279	10.90	26-Jul-08	26-Jul-08
BH4-2008-24	7,900,702	584,517	7,900,179	584,818	15.00	6-Jun-08	6-Jun-08
BH4-2008-27	7,900,469	585,291	7,900,421	585,143	10.70	19-Jul-08	20-Jul-08
BH4-2008-28	7,900,066	585,322	7,900,224	585,834	8.90	24-Jul-08	25-Jul-08
BH4-2008-29	7,899,846	585,600	7,900,215	585,858	11.00	23-Jul-08	24-Jul-08
BH4-2008-30	7,899,644	585,865	7,899,244	585,982	10.00	21-Jul-08	23-Jul-08
BH4-2008-32&RD	7,898,629	586.971	7,898,455	586,905	10.30	20-Jul-08	20-Jul-08
BH4-2008-33	7,898,167	587,484	7,898,081	588,219	18.40	18-Apr-08	20-Apr-08
BH4-2008-35	7,894,535	590,884	7,894,540	590,814	11.30	14-Jul-08	14-Jul-08
BH4-2008-37	7,894,211	591,413	7,894,115	591,195	12.30	13-Jul-08	13-Jul-08
BH4-2008-38	7,892,973	592,619	7,893,129	592,699	10.30	12-Jul-08	12-Jul-08
BH4-2008-39	7,892,810	592,772	7,893,009	592,941	10.60	12-Jul-08	12-Jul-08
BH4-2008-41	7,891,883	594,139	7,891,811	594,426	13.20	8-Jul-08	8-Jul-08
BH4-2008-43	7,889,550	594,885	7,889,666	594,621	15.10	7-Jul-08	7-Jul-08
BH4-2008-44	7,888,497	595,625	7,888,494	595,579	15.30	6-Jul-08	6-Jul-08
BH4-2008-45	7,886,290	596,575	7,886,340	596,551	12.00	21-Jun-08	21-Jun-08
BH4-2008-46	7,884,103	597,280	7,883,919	597,289	12.25	9-Jul-08	9-Jul-08
BH4-2008-47	7,882,410	598,271	7,882,366	598,366	11.50	9-Jul-08	9-Jul-08
BH4-2008-48	7,879,750	596,709	7,879,662	596,734	12.50	21-Jun-08	23-Jun-08
BH4-2008-49	7,879,550	596,630	7,879,546	596,695	9.20	10-Jul-08	11-Jul-08
BH4-2008-50&RD	7,878,416	597,178	7,878,430	597,313	10.20	17-Jul-08	18-Jul-08
BH4-2008-51	7,878,069	597,673	7,878,230	597,830	10.60	5-Jul-08	5-Jul-08
BH4-2008-52	7,877,819	598,040	7,878,183	597,934	10.10	16-Jul-08	16-Jul-08
BH4-2008-53	7,877,491	598,491	7,878,541	598,625	8.80	15-Jul-08	15-Jul-08
BH4-2008-54	7,876,520	598,929	7,876,050	599,350	10.75	4-Jul-08	4-Jul-08
BH4-2008-55	7,875,828	598,821	7,875,678	598,685	12.00	6-Jul-08	6-Jul-08
BH4-2008-56	7,875,474	598,872	7,875,686	598,781	8.00	6-Jul-08	7-Jul-08
BH4-2008-57	7,874,970	599,254	7,874,411	598,789	9.70	14-Jul-08	14-Jul-08
BH4-2008-58	7,873,370	599,093	7,874,043	599,127	8.70	13-Jul-08	13-Jul-08
BH4-2008-59	7,871,352	598,534	7,870,906	598,207	10.20	12-Jul-08	12-Jul-08
BH4-2008-60	7,870,906	598,331	7,870,908	598,207	10.30	11-Jul-08	11-Jul-08
BH4-2008-61	7,870,387	598,063	7,869,432	598,802	9.90	8-Jul-08	8-Jul-08
BH4-2008-62	7,869,968	598,089	7,869,432	598,802	8.70	9-Jul-08	9-Jul-08
BH4-2008-64	7,866,759	599,453	7,866,705	599,706	10.25	3-Jul-08	3-Jul-08
BH4-2008-65	7,865,635	600,864	7,865,485	600,878	11.10	10-Jul-08	10-Jul-08
BH4-2008-66	7,865,004	601,754	7,865,148	601,791	21.40	10-Jul-08	10-Jul-08
BH4-2008-67	7,862,840	602,607	7,862,834	602,947	13.00	11-Jul-08	12-Jul-08
BH4-2008-68	7,859,979	603,759	7,859,895	604.037	10.00	11-Jul-08	11-Jul-08
BH4-2008-69	7,859,475	603,764	7,859,392	603,930	10.85	10-Jul-08	10-Jul-08
BH4-2008-70	7,858,206	604,828	7,858,280	604,951	13.20	10-Jul-08	10-Jul-08
BH4-2008-71	7,856,852	605,454	7,856,732	605,334	10.00	10-Jul-08	10-Jul-08
BH4-2008-73	7,854,304	605,511	7,854,242	605,584	12.20	9-Jul-08	9-Jul-08
BH4-2008-76	7,849,598	606,340	7,849,600	606,474	12.20	8-Jul-08	8-Jul-08
BH4-2008-77	7,849,264	606,236	7,849,261	606,344	10.00	7-Jul-08	8-Jul-08
BH4-2008-78&RD	7,848,276	606,217	7,848,255	606,580	22.00	6-Jul-08	7-Jul-08
BH4-2008-83	7,842,982	606,272	7,843,028	606,407	25.00	13-Jul-08	13-Jul-07
BH4-2008-84	7,842,437	606,510	7,842,459	606,605	20.20	13-Jul-08	14-Jul-08
BH4-2008-86	7,841,123	607,532	7,841,183	607,535	12.00	14-Jul-08	15-Jul-08
BH4-2008-87	7,840,876	607,843	7,840,834	607,874	26.30	9-Aug-08	9-Aug-08
BH4-2008-88	7,840,817	607,927	7,840,646	607,913	26.10	21-Apr-08	22-Apr-08
BH4-2008-90&RD	7,840,781	607,976	7,840,650	607,914	24.60	22-Apr-08	27-Apr-08
H4-2008-90RD2&RD3	7,840,771	607,966	7,840,645	607,912	4.30	9-May-08	15-May-08
			7,840,645		24.00	29-May-08 29-Aug-08	
BH4-2008-91 BH4-2008-92	7,840,743 7,840,703	607,979 608,059	7,840,656 7,840,655	608,044 608,046	24.00 26.70	29-Aug-08 27-Aug-08	30-Aug-08 28-Aug-08
BH4-2008-92 BH4-2008-93&RD			7,840,655	608,046	28.00		28-Aug-08 24-Aug-08
	7,840,690	608,091		/	10.00	23-Aug-08	
BH4-2008-94	7,840,306	608,484	7,840,233 7,839,956	608,482		19-Jul-08	19-Jul-08
BH4-2008-96	7,840,078 7,839,803	608,603		608,545	14.50	19-Jul-08	19-Jul-08
BH4-2008-97		608,689	7,839,831 7,839,673	608,605	15.00	20-Jul-08	20-Jul-08
BH4-2008-98 BH4-2008-99	7,839,709	608,713 607,663		608,530	23.40	28-Apr-08	30-Apr-08 21-Jul-08
DF14-2000-99	7,836,333	600,100	7,836,379	607,644	14.60	21-Jul-08	∠ 1-JUI-08



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

Drillhole	Drillholo C	Coordinates	Water Source	e Coordinates	Depth of	Date	Date
Number	Northing	Easting	Northing	Easting	Depth of	Started	Completed
Nullibei	(m)	(m)	(m)	(m)	(m)	Started	Completed
BH4-2008-105	7,832,621	601,416	7,832,645	601,338	18.40	5-Jun-08	6-Jun-08
BH4-2008-106	7,832,087	600,885	7,832,005	600,839	14.00	22-Jul-08	22-Jul-08
BH4-2008-107	7,831,947	600,828	7,832,005	600,839	8.50	23-Jul-08	23-Jul-08
BH4-2008-108	7,830,546	599,482	7,830,582	599,332	14.50	24-Jul-08	24-Jul-08
BH4-2008-109	7,830,095	598,994	7,830,170	598,970	20.60	4-Jun-08	5-Jun-08
BH4-2008-110	7,829,418	598,538	7,829,570	598,529	18.00	24-Jul-08	24-Jul-08
BH4-2008-111	7,828,344	597,935	7,828,432	597,784	10.60	24-Jul-08	24-Jul-08
BH4-2008-112	7,827,799	597,595	7,827,911	597,462	10.40	3-Jun-08	3-Jun-08
BH4-2008-113	7,827,598	597,321	7,827,725	597,232	11.40	3-Jun-08	3-Jun-08
BH4-2008-117	7,818,685	598,468	7,818,084	598,084	11.05	4-Jul-08	4-Jul-08
BH4-2008-120	7,811,958	600,901	7,811,525	600,800	10.00	16-Jul-08	16-Jul-08
BH4-2008-122&RD	7,810,885	601,081	7,810,899	601,022	30.60	4-Jul-08	5-Jul-08
BH4-2008-123	7,810,409	600,595	7,810,730	600,578	10.56	6-Jul-08	6-Jul-08
BH4-2008-125&RD	7,808,416	598,574	7,808,457	598,816	26.20	10-Jul-08	11-Jul-08
BH4-2008-126	7,807,742	598,706	7,808,431	598,952	10.50	31-May-08	31-May-08
BH4-2008-127	7,806,773	598,826	7,807,671	598,455	20.00	27-May-08	27-May-08
BH4-2008-128	7,911,999	562,541	7,912,009	562,065	30.00	6-Aug-08	7-Aug-08
BH4-2008-130	7,911,982	562,601	7,911,278	563,108	31.50	28-Mar-08	29-Mar-08
BH4-2008-131	7,911,978	562,625	7,911,278	563,108	64.00	25-Mar-08	28-Mar-08
BH4-2008-132	7,911,991	562,655	7,911,278	563,108	31.70	30-Mar-08	2-Apr-08
BH4-2008-133	7,911,945	562,725	7,911,278	563,108	27.60	3-Apr-08	4-Apr-08
BH4-2008-134	7,911,927	562,782	7,911,278	563,108	19.30	5-Apr-08	7-Apr-08
BH4-2008-136	7,840,817	607,920	7,840,640	607,901	32.60	15-May-08	17-May-08
BH4-2008-137	7,840,828	607,932	7,840,814	607,921	33.50	22-May-08	22-May-08
BH4-2008-138	7,840,763	607,979	7,840,656	607,924	35.00	18-May-08	21-May-08
BH4-2008-149	7,868,712	598,619	7,868,715	599,053	16.00	8-Aug-08	8-Aug-08
BH4-2008-151	7,865,614	600,850	7,865,455	600,900	9.80	6-Aug-08	6-Aug-08
BH4-2008-153	7,855,708	605,519	7,855,793	605,681	14.00	6-Aug-08	6-Aug-08
BH4-2008-154	7,855,330	605,542	7,855,311	605,691	16.00	5-Aug-08	5-Aug-08
BH4-2008-155	7,853,166	605,788	7,853,247	605,873	15.10	3-Aug-08	3-Aug-08
BH4-2008-156	7,852,543	606,336	7,852,487	606,671	10.00	3-Aug-08	3-Aug-08
BH4-2008-157	7,819,773	598,463	7,820,501	597,689	10.00	25-Jul-08	25-Jul-08
BH4-2008-159&RD	7,818,694	598,411	7,818,231	597,941	15.00	26-Jul-08	26-Jul-08
BH4-2008-163	7,899,018	586,622	7,899,017	586,334	13.00	6-Sep-08	6-Sep-08
BH4-2008-164	7,898,926	586,929	7,899,020	586,330	10.00	7-Sep-08	7-Sep-08
BH4-2008-165	7,898,746	587,284	7,898,435	586,959	15.30	18-Aug-08	18-Aug-08
BH4-2008-166	7,897,907	588,864	7,897,820	588,801	13.00	17-Aug-08	17-Aug-08
BH4-2008-167	7,897,734	589,543	7,897,690	589,522	11.00	31-Aug-08	31-Aug-08
BH4-2008-168&RD	7,897,512	590,284	7,897,477	590,249	10.20	22-Aug-08	23-Aug-08
BH4-2008-169	7,897,127	591,259	7,897,190	590,902	16.10	20-Aug-08	20-Aug-08
BH4-2008-171	7,896,786	592,386	7,896,778	592,387	19.70	30-Aug-08	31-Aug-08
BH4-2008-172	7,896,499	592,916	7,896,489	592,767	14.10	17-Aug-08	17-Aug-08
BH4-2008-173	7,896,451	593,423	7,896,404	593,423	12.80	16-Aug-08	16-Aug-08
BH4-2008-174	7,896,067	594,745	7,895,925	594,706	10.00	22-Aug-08	22-Aug-08
BH4-2008-175&RD&RD2	7,895,999	594,879	7,895,913	594,779	21.10	23-Aug-08	25-Aug-08
BH4-2008-177&RD	7,894,720	595,143	7,894,720	594,717	10.00	21-Aug-08	21-Aug-08
BH4-2008-178	7,894,162	595,405	7,894,103	595,425	21.00	26-Aug-08	27-Aug-08
BH4-2008-179	7,893,931	595,505	7,894,002	595,472	30.50	18-Aug-08	18-Aug-08
BH4-2008-180&RD	7,893,716	595,594	7,894,004	595,558	11.20	1-Sep-08	1-Sep-08
BH4-2008-181	7,893,354	595,756	7,893,223	595,605	14.00	27-Aug-08	27-Aug-08
BH4-2008-182	7,892,647	595,933	7,892,671	596,139	10.00	15-Aug-08	15-Aug-08
BH4-2008-184&RD	7,891,930	596,255	7,891,910	595,910	9.60	17-Sep-08	17-Sep-08
BH4-2008-185	7,891,693	596,323	7,892,051	595,910	10.00	2-Sep-08	2-Sep-08
BH4-2008-186	7,890,804	597,081	7,890,785	597,420	10.10	3-Sep-08	3-Sep-08
BH4-2008-187	7,890,417	597,347	7,890,715	597,447	13.00	14-Aug-08	14-Aug-08
BH4-2008-188	7,890,343	597,225	7,890,715	597,447	10.00	14-Aug-08	14-Aug-08
BH4-2008-189	7,889,632	597,411	7,889,745	597,366	10.00	16-Aug-08	16-Aug-08
BH4-2008-190&RD	7,889,627	597,737	7,889,745	597,366	12.30	16-Sep-08	16-Sep-08
BH4-2008-192	7,888,907	597,239	7,888,019	597,037	10.00	5-Sep-08	5-Sep-08
BH4-2008-193&RD	7,888,400	597,160	7,888,192	596,914	10.00	13-Aug-08	13-Aug-08
BH4-2008-194	7,887,806	597,486	7,888,019	597,037	12.05	4-Sep-08	4-Sep-08
BH4-2008-195	7,887,281	597,489	7,887,337	597,203	9.90	15-Aug-08	15-Aug-08
BH4-2008-196	7,886,611	596,803	7,886,615	596,746	10.00	11-Aug-08	11-Aug-08
BH4-2008-197	7,886,448	596,638	7,886,452	596,709	10.00	11-Aug-08	11-Aug-08
BH4-2008-198	7,893,506	595,702	7,894,001	595,816	9.70	17-Aug-08	17-Aug-08
BH4-2008-201	7,892,012	596,111	7,892,045	595,911	10.10	28-Aug-08	28-Aug-08
BH4-2008-203	7,892,159	594,779	7,892,090	594,765	15.30	15-Sep-08	15-Sep-08
BH4-2008-204	7,892,015	594,630	7,892,009	594,681	11.20	13-Sep-08	13-Sep-08
BH4-2008-205	7,891,519	594,538	7,891,800	594,468	15.10	15-Sep-08	15-Sep-08
BH4-2008-206	7,891,045	594,509	7,891,168	594,109	12.00	16-Sep-08	16-Sep-08
BH4-2008-207	7,890,433	594,457	7,890,329	594,532	12.05	14-Sep-08	14-Sep-08
BH-RAVN-2A	7,896,034	594,814	7,895,889 (3)	594,736 <sup>(3)</sup>	13.60	2-Apr-08	5-Apr-08
BH-RAVN-2B	7,896,026	594,829	7,895,889 <sup>(3)</sup>	594,736 <sup>(3)</sup>	10.30	6-Apr-08	7-Apr-08
BH-RAVN-3A	7,895,407	595,076	7,895,688 <sup>(3)</sup>	594,817 <sup>(3)</sup>	20.35	8-Apr-08	8-Apr-08
BH-RAVN-3B	7,895,396	595,076	7,895,688 <sup>(3)</sup>	594,817 (3)	22.90	9-Apr-08	10-Apr-08

BH-KAVN-3B / 7,895,396 S95,0/6
NOTES:

1. COORDINATES SURVEYED WITH A HANDHELD GPS.

2. ALL COORDINATES ARE GIVEN IN UTIM NAD 32 (ZONE 17), IN METRES.

3. COORDINATES ASSUMED DUE TO GPS MALFUNCTION.



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### 2008 STEENSBY PORT SITE DRILLHOLE DETAILS

Drillhole	Drillholo C	oordinates	Water Source	Coordinates	Depth of	Date	Date
Number	Northing		Northing Northing	Easting	Depth of Drillhole	Started	Completed
Number	(m)	Easting (m)	(m)	(m)	(m)	Starteu	Completed
Ore Dock Departure	(/	()	()	()	()		
PSD-2008-01	7,799,170	592,601	7,799,158	592,566	5.5	21-May-08	22-May-08
PSD-2008-01RD	7,799,179	592,577	7,799,158	592,566	4.9	22-May-08	22-May-08
PSD-2008-01RD2	7,799,176	592,567	7,799,175	592,564	10.5	29-May-08	29-May-08
Ore Dock Approach							
PSD-2008-02	7,797,581	592,945	7,797,591	592,960	24.2	24-May-08	24-May-08
PSD-2008-03	7,796,815	592,991	7,796,814	592,982	12.8	23-May-08	23-May-08
Alternative Ore Dock		1			I		
PSD-2008-04	7,797,960	592,889	7,797,966	592,890	10.6	24-May-08	24-May-08
PSD-2008-05	7,797,914	592,912	7,797,893	592,923	12.8	25-May-08	26-May-08
PSD-2008-06	7,797,884	592,909	7,797,889	592,915	11.1	25-May-08	25-May-08
PSD-2008-07	7,797,784	592,950	7,797,770	592,954	15.5	26-May-08	26-May-08
PSD-2008-08	7,797,758	592,950	7,797,774	592,958	15.3	26-May-08	26-May-08
PSD-2008-09	7,797,718	592,960	7,797,770	592,954	14.5	27-May-08	27-May-08
Service Dock		=00.011	= 000 010	=00.011			
PSD-2008-10	7,803,315	592,614	7,803,313	592,611	11.9	27-May-08	27-May-08
Construction Dock	7 002 040	500.040	7 002 040	E00 000	14.0	27 May 00	07 May 00
PSD-2008-11	7,803,019	592,242	7,803,016	592,236	14.9	27-May-08	27-May-08
Bridge	7 000 220	E04 200	7 900 202	E04 224	17.0	20 May 00	20 14 00
PSD-2008-12 PSD-2008-13	7,800,320 7,800,337	594,326 594,380	7,800,322	594,331 594,334	17.0 19.6	28-May-08 29-May-08	28-May-08
		594,38U	7,800,321	594,334	19.6	∠9-iviay-U8	29-May-08
Port Site Infrastructure PSI-2008-01	7,803,299	592,882	7,803,125	592,566	15.3	27-Jul-08	27-Jul-08
PSI-2008-01 PSI-2008-03	7,803,299	592,882 592,561	7,803,125	592,566	15.0	27-Jul-08 25-Jul-08	27-Jul-08 25-Jul-08
PSI-2008-03 PSI-2008-04	7,803,089	592,561	7,803,125 7,803,125	592,566	15.3	25-Jul-08 25-Jul-08	25-Jul-08 25-Jul-08
PSI-2008-04 PSI-2008-05	7,803,003	592,599	7,803,125	592,566	15.5	25-Jul-08 24-Jul-08	25-Jul-08 24-Jul-08
PSI-2008-06	7,802,713	594,069	7,803,123	594,112	19.2	17-Jul-08	18-Jul-08
PSI-2008-07	7,801,866	593,958	7,800,907	594,112	15.1	19-Jul-08	19-Jul-08
PSI-2008-08	7,801,863	593,946	7,800,907	594,112	15.3	20-Jul-08	20-Jul-08
PSI-2008-09	7,801,737	593,931	7,800,307	594,456	10.0	21-Aug-08	21-Aug-08
PSI-2008-10	7,801,780	593,829	7,800,907	594,112	15.6	20-Jul-08	20-Jul-08
PSI-2008-11	7,801,563	593,853	7,800,907	594,112	15.2	22-Jul-08	23-Jul-08
PSI-2008-12	7,801,575	594,019	7,800,907	594,112	15.3	21-Jul-08	21-Jul-08
PSI-2008-13	7,800,608	594,715	7,800,565	594,468	15.4	8-Jul-08	8-Jul-08
PSI-2008-15	7,800,428	593,839	7,800,461	593,468	14.3	2-Aug-08	2-Aug-08
PSI-2008-16	7,800,204	593,845	7,800,461	593,468	15.3	3-Aug-08	3-Aug-08
PSI-2008-17	7,800,028	593,735	7,800,461	593,468	9.5	3-Aug-08	4-Aug-08
PSI-2008-18	7,799,604	593,328	7,799,673	593,156	14.2	4-Aug-08	4-Aug-08
PSI-2008-20	7,799,306	593,322	7,799,673	593,156	15.3	5-Aug-08	5-Aug-08
PSI-2008-23	7,798,305	592,982	7,798,328	592,857	14.2	5-Aug-08	5-Aug-08
PSI-2008-28	7,799,713	595,918	7,799,387	595,604	10.0	22-Aug-08	22-Aug-08
PSI-2008-29	7,799,859	596,190	7,800,194	596,604	14.9	7-Aug-08	7-Aug-08
PSI-2008-30	7,799,727	596,942	7,800,092	597,054	14.3	8-Aug-08	8-Aug-08
PSI-2008-31&RD	7,799,923	597,230	7,800,000	597,332	8.2	6-Aug-08	6-Aug-08
PSI-2008-32	7,802,027	593,809	7,802,389	594,251	14.4	7-Aug-08	8-Aug-08
Steensby Inlet Rail Loc	ps						
SRL-2008-01	7,802,269	594,802	7,802,233	594,458	14.4	31-Jul-08	31-Jul-08
SRL-2008-02	7,801,856	594,694	7,801,793	594,918	14.0	1-Aug-08	1-Aug-08
SRL-2008-03	7,802,050	594,592	7,802,093	594,557	14.5	28-Jul-08	28-Jul-08
SRL-2008-04	7,801,775	594,483	7,800,907	594,112	15.3	16-Jul-08	17-Jul-08
SRL-2008-05	7,801,592	594,633	7,800,907	594,112	15.0	15-Jul-08	16-Jul-08
SRL-2008-06	7,801,453	594,742	7,800,907	594,112	15.0	14-Jul-08	14-Jul-08
SRL-2008-07	7,801,491	594,397	7,800,907	594,112	15.8	13-Jul-08	13-Jul-08
SRL-2008-08	7,801,200	594,430	7,800,907	594,112	15.1	13-Jul-08	13-Jul-08
SRL-2008-09	7,800,981	594,621	7,800,565	594,468	15.6	12-Jul-08	12-Jul-08
SRL-2008-10	7,800,788	594,843	7,800,565	594,468	16.6	11-Jul-08	12-Jul-08
SRL-2008-11&RD	7,800,627	594,889	7,800,565	594,468	12.6	9-Jul-08	10-Jul-08
SRL-2008-12	7,800,576	595,016	7,800,276	594,943	15.1	31-Jul-08	1-Aug-08
SRL-2008-13	7,800,462	595,267	7,800,248	594,985	15.3	1-Aug-08	1-Aug-08
SRL-2008-14	7,800,362	595,596	7,800,363	596,810	13.6	4-Aug-08	4-Aug-08
SRL-2008-15	7,800,504	595,738	7,800,363	596,810	14.2	3-Aug-08	3-Aug-08
SRL-2008-16	7,800,747	595,711	7,800,363	596,810	14.3	3-Aug-08	3-Aug-08
SRL-2008-18	7,800,936	595,125	7,801,574	595,140	13.5	2-Aug-08	2-Aug-08
SRL-2008-19	7,802,091	594,548	7,802,093	594,557	13.2	28-Jul-08	28-Jul-08
SRL-2008-20	7,802,110	594,251	7,802,313 (3)	594,259 <sup>(3)</sup>	14.5	27-Jul-08	27-Jul-08
SRL-2008-21	7,802,356	594,049	7,802,313 (3)	594,259 <sup>(3)</sup>	15.0	26-Jul-08	27-Jul-08
SRL-2008-22	7,802,849	593,376	7,803,121	593,094	15.0	28-Jul-08	28-Jul-08
SRL-2008-23	7,803,172	593,182	7,803,121	593,094	15.6	27-Jul-08	27-Jul-08
SRL-2008-24	7,803,131	592,726	7,803,125	592,566	15.3	26-Jul-08	26-Jul-08
Maintenance Shop		I					
RMS-2008-07	7,803,170	596,037	7,803,533	595,957	14.3	8-Aug-08	8-Aug-08
RMS-2008-09	7,803,164	595,974	7,803,533	595,957	14.4	7-Aug-08	7-Aug-08
RMS-2008-11	7,803,117	596,057	7,803,533	595,957	14.4	7-Aug-08	7-Aug-08

NOTES:

1. COORDINATES FOR PSD DRILLHOLES WERE SURVEYED WITH A TOTAL STATION, BY GENIVAR, AND MAY BE INACCURATE DUE TO SHIFTING OF THE ICE. ALL OTHER COORDINATES WERE SURVEYED WITH A HANDHELD GPS.

2. ALL COORDINATES ARE GIVEN IN UTM NAD 83 (ZONE 17), IN METERS.

3. COORDINATES ASSUMED.

Revisio



# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### 2008 BORROW, BALLAST AND ORIENTED CORE DRILLHOLE DETAILS

Drillhole	Drillhole C	oordinates	Water Source	e Coordinates	Depth of	Date	Date
Number	Northing	Easting	Northing	Easting	Drillhole	Started	Completed
	(m)	(m)	(m)	(m)	(m)		·
Ballast Quarry							
BAL1-DH1 (Q133+500)	7,810,949	601,121	7,810,903	601,016	50.00	15-Aug-08	16-Aug-08
BAL1-DH2 (Q133+500)	7,811,015	601,094	7,810,903	601,016	55.60	17-Aug-08	17-Aug-08
BAL1-DH3 (Q133+500)	7,811,132	601,045	7,810,903	601,016	30.20	18-Aug-08	18-Aug-08
Borrow Sources						-	
BOR2A-DH1 (Q18+100)	7,902,408	579,173	7,902,357	578,761	34.20	18-Aug-08	19-Aug-08
BOR2A-DH2&RD (Q18+100)	7,902,502	579,085	7,902,357	578,761	35.40	22-Aug-08	26-Aug-08
BOR7D-DH1&RD (Q40+600)	7,889,363	595,919	7,889,296	595,709	24.90	13-Aug-08	14-Aug-08
BOR7D-DH2 (Q40+600)	7,889,478 <sup>(3)</sup>	595,925 <sup>(3)</sup>	7,889,296	595,709	25.00	12-Sep-08	12-Sep-08
BOR7D-DH3&RD (Q40+600)	7,889,387 <sup>(3)</sup>	596,018 <sup>(3)</sup>	7,889,296	595,709	25.50	10-Sep-08	11-Sep-08
BOR12B-DH1 (Q64+400)	7,868,662	600,177	7,868,834	599,444	25.00	9-Aug-08	9-Aug-08
BOR12B-DH2 (Q64+400)	7,868,609	600,175	7,868,834	599,444	24.50	10-Aug-08	11-Aug-08
BOR12B-DH3 (Q64+400)	7,868,631	600,058	7,868,834	599,444	25.80	12-Aug-08	12-Aug-08
BOR13A-DH1 (Q67+200)	7,865,500	599,781	7,865,632	599,717	30.00	7-Aug-08	7-Aug-08
BR1B-DH	7,912,032	563,873	Sheardo	own Lake	25.50	4-Aug-08	4-Aug-08
BR1C-DH	7,911,495	564,452	Sheardo	own Lake	25.70	4-Aug-08	5-Aug-08
BR1D-DH	7,910,828	564,635	Sheardo	own Lake	26.30	5-Aug-08	5-Aug-08
BR1E-DH	7,910,640	564,960	Sheardo	own Lake	35.65	6-Aug-08	6-Aug-08
BR1F-DH	7,910,488	565,196	7,910,268	564,994	30.95	7-Aug-08	7-Aug-08
BR3A-DH1 (Q10+250)	7,905,647	572,175	SV	V-9	30.45	7-Sep-08	7-Sep-08
BR3A-DH2 (Q10+250)	7,905,590	572,302	SV	V-9	30.30	11-Sep-08	12-Sep-08
BR3A-DH3&RD (Q10+250)	7,905,623	572,311	SV	V-9	12.15	9-Sep-08	10-Sep-08
BR3A-DH3RD2 (Q10+250)	7,905,613	572,303	SV	V-9	25.15	10-Sep-08	10-Sep-08
BR7-DH1 (Q48+000)	7,882,587	598,509	7,882,475	598,465	25.50	14-Sep-08	14-Sep-08
BR13-DH1&RD (Q95+400)	7,841,007	607,648	7,840,936	607,863	25.00	1-Aug-08	2-Aug-08
BRMR-2008-02 (QMR2)	7,914,182	560,162	Sheardo	wn Lake	25.60	18-Sep-08	18-Sep-08
BRMR-2008-03 (QMR2)	7,914,154	560,105	Sheardo	own Lake	24.80	20-Sep-08	20-Sep-08
BRMR-2008-04 (QMR2)	7,914,242	560,168	Sheardo	own Lake	30.00	19-Sep-08	19-Sep-08
CRB1 (QTR1)	7,836,095	609,861	7,835,029	609,129	25.00	30-Jul-08	31-Jul-08
CRB2 (QTR2)	7,830,850	606,032	7,830,830	606,085	25.15	27-Jul-08	28-Jul-08
Steensby1 (QS1)	7,803,035	593,484	7,803,014	593,168	26.10	6-Aug-08	6-Aug-08
Steensby2 (QS2)	7,800,750	595,747	7,800,363	596,810	30.00	4-Aug-08	5-Aug-08
Oriented Core						-	-
STUN-DH01	7,832,963 <sup>(3)</sup>	601,549 <sup>(3)</sup>	7,832,963 <sup>(3)</sup>	601,394 <sup>(3)</sup>	70.50	7-Sep-08	9-Sep-08
NTUN-DH02	7,835,485 <sup>(3)</sup>	605,808 <sup>(3)</sup>	7,835,831	605,984	69.00	1-Sep-08	3-Sep-08
NTUN-DH08	7,835,077 <sup>(3)</sup>	605,395 <sup>(3)</sup>	7,835,259	605,276	152.10	10-Sep-08	13-Sep-08
NTUN-DH10	7,835,077 (3)	605,395 <sup>(3)</sup>	7,835,259	605,276	97.90	14-Sep-08	16-Sep-08

- 1. COORDINATES SURVEYED WITH A HANDHELD GPS.
  2. ALL COORDINATES ARE GIVEN IN UTM NAD 83 (ZONE 17), IN METRES.
- 3. COORDINATES ASSUMED (SET-OUT COORDINATES USED) DUE TO GPS MALFUNCTION.
- 4. WHERE WATER SOURCE COORDINATES ARE NOT GIVEN A PUMP SHACK WAS NOT USED. WATER WAS TRANSPORTED FROM THE NAMED WATER BODY TO THE DRILL SITE VIA HELICOPTER.



# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### **MONTHLY AND ANNUAL QUANTITIES OF WATER FOR CAMPS**

Month	MRY-1 (m³)	MRY-3 (m³)	Mid-Rail Camp (m³)	Steenbys Inlet (m³)	Total (m³)
January	763.2	236.8	0.0	0.0	1000.0
February	1134.9	198.4	0.0	0.0	1333.3
March	807.8	268.8	0.0	0.0	1076.6
April	940.0	185.0	0.0	0.0	1125.0
May	828.0	223.0	0.0	62.8	1113.8
June	767.0	281.6	0.0	47.0	1095.6
July	769.0	292.0	0.8	89.0	1150.8
August	821.0	337.0	47.5	69.8	1275.3
September	746.9	335.0	43.5	33.1	1158.5
October	361.5	184.0	0.0	15.1	560.6
November	202.4	0.0	0.0	0.0	202.4
December	127.0	0.0	0.0	0.0	127.0
Total	8268.7	2541.6	91.8	316.8	11218.9



# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### MONTHLY AND ANNUAL QUANTITIES OF WATER FOR DRILLING

Month	Water Use
	(m3)
January	0.0
February	0.0
March	333.6
April	2359.5
May	4228.1
June	1474.2
July	3992.0
August	6593.2
September	3255.3
Total	22235.9



### Table 2.1

## BAFFINLAND IRON MINE CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### DAILY, MONTHLY AND ANNUAL QUANTITIES OF TREATED SEWAGE EFFLUENT AND SLUDGE REMOVED

Day		January			February			March			April			May	
	Mary River Camp	Milne Inlet Camp	Milne Inlet Camp	Mary River Camp	Milne Inlet Camp	Milne Inlet Camp	Mary River Camp	Milne Inlet Camp	Milne Inlet Camp	Mary River Camp	Milne Inlet Camp	Milne Inlet Camp	Mary River Camp	Milne Inlet Camp	Milne Inlet Camp
	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent WWTF final effluent		WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent
	to PWSP (m3) MRY-4	to PWSP (m <sup>3</sup> ) MRY-5	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to PWSP (m <sup>3</sup> ) MRY-5	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to PWSP (m3) MRY-5	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to PWSP (m3) MRY-5	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to PWSP (m3) MRY-5	to Milne Inlet ditch (m3) MRY-5
1	14.4	10.0	0.0	38.1	0.0	4.8	24.0	9.5	0.0	29.0	0.0	8.0	26.0	10.0	0.0
2	14.8	8.5	0.0	35.3	0.0	10.5	17.0	8.0	0.0	30.0	0.0	8.0	26.0	11.0	0.0
3	14.6	7.0	0.0	35.0	0.0	0.0	21.8	8.0	0.0	43.0	0.0	7.5	28.0	8.5	0.0
4	14.6	7.3	0.0	29.9	0.0	6.3	23.0	0.0	0.0	31.0	0.0	10.5	29.0	0.0	0.0
5	18.1	10.3	0.0	30.8	0.0	0.0	17.0	7.5	0.0	36.0	9.8	0.0	29.0	3.0	0.0
6	23.4	0.0	0.0	26.1	0.0	0.0	18.6	8.5	0.0	36.0	0.0	7.0	23.0	5.0	0.0
7	23.4	0.0	0.0	27.8	0.0	7.5	19.4	10.0	0.0	25.0	8.8	0.0	40.0	10.0	0.0
8	45.3	0.0	0.0	28.6	10.0	0.0	20.3	7.0	0.0	40.0	8.5	0.0	31.0	5.5	0.0
9	38.2	0.0	0.0	35.4	9.0	0.0	23.0	0.0	0.0	25.0	7.8	0.0	22.0	10.0	0.0
10	35.8	0.0	0.0	32.3	6.3	0.0	23.0	10.0	0.0	30.0	8.5	0.0	27.0	10.0	0.0
11	40.9	0.0	0.0	25.4	6.3	0.0	16.5	7.5	0.0	28.0	8.8	0.0	32.0	6.0	0.0
12	35.8	13.0	0.0	39.6	9.3	0.0	16.2	9.0	0.0	28.0	9.3	0.0	34.0	7.5	0.0
13	38.4	12.0	0.0	76.2	7.5	0.0	20.0	7.3	0.0	23.0	9.5	0.0	12.0	8.0	0.0
14	41.7	11.0	0.0	34.8	8.8	0.0	28.9	10.8	0.0	32.0	8.3	0.0	40.0	8.3	0.0
15	15.0	0.0	0.0	70.8	0.0	0.0	32.1	11.8	0.0	31.5	9.0	0.0	31.0	0.0	0.0
16	13.4	0.0	0.0	50.6	12.0	0.0	28.0	11.3	0.0	31.5	8.0	0.0	31.0	7.0	0.0
17	16.4	10.0	0.0	48.1	11.5	0.0	28.0	11.5	0.0	33.0	7.5	0.0	21.0	0.0	0.0
18	18.2	6.0	0.0	37.5	10.5	0.0	28.5	9.0	0.0	36.0	8.5	0.0	26.0	0.0	0.0
19	19.9	8.0	0.0	41.6	9.0	0.0	28.5	6.8	0.0	35.0	7.5	0.0	20.0	0.0	10.0
20	18.1	10.0	0.0	41.6	9.0	0.0	28.0	12.0	0.0	37.0	8.5	0.0	20.0	0.0	7.8
21	19.0	7.0	0.0	13.3	9.5	0.0	22.0	0.0	0.0	35.0	5.5	0.0	25.0	0.0	6.0
22	21.9	7.0	0.0	27.0	9.0	0.0	25.0	0.0	8.5	31.0	4.5	0.0	31.0	0.0	10.8
23	28.8	10.0	0.0	52.0	10.0	0.0	23.0	0.0	6.5	29.0	6.5	0.0	31.0	0.0	10.0
24	28.0	8.0	0.0	42.0	10.0	0.0	30.0	0.0	7.5	36.0	6.0	0.0	17.0	0.0	8.8
25	25.0	0.0	8.0	45.0	10.0	0.0	39.0	0.0	10.0	36.0	0.0	0.0	25.0	0.0	0.0
26	20.0	0.0	12.0	45.0	10.0	0.0	24.0	0.0	8.5	24.0	11.3	0.0	16.0	0.0	6.0
27	13.3	0.0	0.0	41.2	8.0	0.0	34.5	0.0	8.0	27.0	10.0	0.0	27.0	0.0	0.0
28	22.1	0.0	7.5	40.8	10.0	0.0	34.5	0.0	11.0	26.0	9.0	0.0	18.0	0.0	18.0
29	25.6	0.0	12.5	43.0	11.0	0.0	45.0	0.0	8.0	23.0	7.0	0.0	27.0	0.0	8.5
30	26.0	0.0	9.0	-	•	-	38.0	0.0	8.0	33.0	8.0	0.0	35.0	0.0	12.8
31	33.1	0.0	7.5	-	•	-	31.0	0.0	8.0	-	-	-	28.0	0.0	9.5
Total	763.2	145.0	56.5	1134.9	196.5	29.0	807.8	165.3	84.0	940.0	195.8	41.0	828.0	109.8	108.0

Month	MRY-4	MRY-4	MRY-4	MRY-5	MRY-5	MRY-5
	Mary River Tanks-a-lot	Mary River RBC	Mary River RBC	Milne Inlet RBC	Milne Inlet RBC effluent	Milne Inlet RBC sludge
	final effluent to PWSP*	final effluent to PWSP**	sludge to PWSP	final effluent to PWSP	to Milne Inlet ditch	removed to PWSP
	(m3)	(m³)	(m³)	(m³)	(m³)	(m³)
January	763.2	0.0	0.0	145.0	56.5	0.0
February	664.9	470.0	0.0	196.5	29.0	0.0
March	0.0	807.8	0.0	165.3	84.0	0.0
April	0.0	940.0	0.0	195.8	41.0	0.0
May	0.0	828.0	0.0	109.8	108.0	0.0
June	0.0	767.0	0.0	0.0	264.5	0.0
July	0.0	769.0	27.3	0.0	308.1	0.0
August	0.0	821.0	38.4	0.0	356.8	0.0
September	0.0	746.9	0.0	0.0	364.0	0.0
October	0.0	361.5	8.0	0.0	41.8	4.0
November	0.0	202.4	0.0	0.0	0.0	0.0
December	0.0	126.0	0.0	0.0	0.0	0.0
Total	1428.1	6839.6	73.7	812.4	1653.7	4.0

\*Mary River Tanks a lot system discharging to PWSP

\*\* Mary River RBC System discharing to PWSP

March 31, 2009



### Table 2.1

## BAFFINLAND IRON MINE CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### DAILY, MONTHLY AND ANNUAL QUANTITIES OF TREATED SEWAGE EFFLUENT AND SLUDGE REMOVED

Day	June			July		August		September		October	November			December		
	Mary River Camp	Milne Inlet Camp	Mary River Camp	Milne Inlet Camp	Milne Inlet Camp	Mary River Camp	Milne Inlet Camp	Milne Inlet Camp								
	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent	WWTF final effluent								
	to PWSP (m3) MRY-4	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to PWSP (m3) MRY-5	to Milne Inlet ditch (m3) MRY-5	to PWSP (m3) MRY-4	to PWSP (m3) MRY-5	to Milne Inlet ditch (m3) MRY-5
1	24.0	0.0	35.0	11.0	22.0	9.0	28.0	14.5	22.0	11.5	14.7	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
2	25.0	0.0	25.0	11.0	28.0	9.0	29.0	14.0	19.5	15.5	0.0	Camp Closed	Camp Closed	20.0	Camp Closed	Camp Closed
3	24.0	14.0	34.0	9.0	23.0	9.0	33.0	13.0	18.5	14.8	14.2	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
4	25.0	14.0	28.0	11.0	25.0	7.0	17.0	14.8	19.3	0.0	0.0	Camp Closed	Camp Closed	15.0	Camp Closed	Camp Closed
5	30.0	9.0	30.0	11.0	17.0	11.8	33.0	14.8	23.0	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
6	22.0	10.0	27.0	11.5	26.0	9.5	30.0	11.0	13.0	0.0	0.5	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
7	24.0	6.0	24.0	9.0	23.0	12.5	24.0	0.0	13.0	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
8	19.0	10.8	23.0	10.5	34.0	12.0	25.0	10.0	19.0	0.0	15.6	Camp Closed	Camp Closed	19.0	Camp Closed	Camp Closed
9	22.0	8.5	25.0	9.5	17.0	12.0	25.0	11.0	15.0	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
10	28.0	8.8	30.0	11.0	25.0	13.0	20.0	9.5	10.0	0.0	13.1	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
11	23.0	7.0	28.0	11.0	31.0	12.0	21.0	0.0	22.9	0.0	0.0	Camp Closed	Camp Closed	15.0	Camp Closed	Camp Closed
12	24.0	10.8	12.0	6.8	26.0	14.0	28.0	11.0	8.7	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
13	21.0	9.0	20.0	9.0	28.0	11.5	22.0	9.0	0.0	0.0	14.7	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
14	24.0	9.0	32.0	10.3	30.0	13.5	19.0	9.0	24.6	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
15	17.0	10.0	25.0	10.3	28.0	13.5	26.0	12.5	0.0	0.0	0.0	Camp Closed	Camp Closed	13.0	Camp Closed	Camp Closed
16	37.0	9.0	21.0	10.0	22.0	10.5	18.0	11.5	16.0	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
17	31.0	11.0	26.0	14.0	33.0	8.8	30.0	13.0	16.0	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
18	31.0	8.8	24.0	10.8	27.0	11.5	22.0	12.0	0.0	0.0	11.2	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
19	29.0	12.5	27.0	10.0	33.0	11.3	22.0	12.0	0.0	0.0	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
20	27.0	10.5	26.0	10.0	20.0	12.0	25.0	9.5	17.4	Camp Closed	13.4	Camp Closed	Camp Closed	14.0	Camp Closed	Camp Closed
21	27.0	9.0	26.0	10.0	23.0	11.5	23.0	15.0	25.0	Camp Closed	13.9	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
22	31.0	9.0	26.0	9.0	26.0	12.0	30.0	21.5	0.0	Camp Closed	16.4	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
23	19.0	7.5	26.0	10.0	26.0	12.8	22.0	12.0	6.4	Camp Closed	0.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
24	22.0	6.5	13.0	9.5	20.0	12.5	22.0	10.5	0.0	Camp Closed	1.2	Camp Closed	Camp Closed	14.0	Camp Closed	Camp Closed
25	27.0	7.5	19.0	11.0	36.0	14.0	26.0	14.5	25.5	Camp Closed	9.2	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
26	14.0	11.0	18.0	9.0	35.0	11.5	21.8	13.0	0.0	Camp Closed	11.6	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
27	39.0	9.0	21.0	12.0	28.0	10.5	23.0	26.0	9.9	Camp Closed	11.5	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
28	25.0	11.5	30.0	11.0	26.0	13.0	23.0	11.0	0.0	Camp Closed	17.3	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
29	28.0	8.0	26.0	10.0	26.0	12.0	22.0	14.5	16.8	Camp Closed	0.0	Camp Closed	Camp Closed	16.0	Camp Closed	Camp Closed
30	28.0	7.0	23.0	10.0	30.0	12.0	37.0	14.0	0.0	Camp Closed	24.0	Camp Closed	Camp Closed	0.0	Camp Closed	Camp Closed
31	-	<u> </u>	19.0	0.0	27.0	11.8	-	<u> </u>	0.0	Camp Closed	-	-	-	0.0	Camp Closed	Camp Closed
Total	767.0	264.5	769.0	308.1	821.0	356.8	746.9	364.0	361.5	41.8	202.4	0.0	0.0	126.0	0.0	0.0



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### LOCATION OF TEMPORARY AND PERMANENT STORAGE AREAS FOR WASTES

Description	UTM Coordi	nates (NAD83)	Latitude	Longitude	
	Easting	Northing			
	(m)	(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	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	559,014	7,914,268	71° 19' 24"	79° 20' 55"	
Temporary non-hazardous waste storage area	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"	
Future Landfill	560,879	7,912,513	71° 18' 26"	79° 17' 52"	
Mid-Rail					
Temporary hazardous waste storage area	595,660	7,876,369	70° 58' 19"	78° 22' 13"	
Steensby Inlet					
Temporary hazardous waste storage area	594,679	7,800,514	70° 17' 35"	78° 29' 1"	
Drilling Activities					
Temporary sumps	Locate	ed adjacent to drillhole lo	cations; refer to Tables 1	.3 to 1.7	

### Note:

1. Locations are approximate.



# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### EXPLORATION DRILLING WATER MANAGEMENT STRUCTURES

Drillhole ID	UTM Lo	cation	Elevation	Associated Drillhole(s)
	Northing	Easting		
	(m)	(m)	(m)	
Sumps				
MR1-08-SU1	7915105	563704	606	MR1-08-155, MR1-08-159
MR1-08-SU2	7915008	563720	598	MR1-08-152, MR1-08-144
MR1-08-SU3	7914970	563788	584	MR1-08-158
MR1-08-SU4	7914957	563713	596	MR1-08-157, MR1-08-146
MR1-08-SU5	7914893	563624	604	MR1-08-151, MR1-08-142
MR1-08-SU6	7914864	563691	590	MR1-08-147, MR1-08-150
MR1-08-SU7	7914827	563588	608	MR1-08-148, MR1-08-143
MR1-08-SU8	7914796	563653	592	MR1-08-156, MR1-08-153
MR1-08-SU9	7914773	563538	618	MR1-08-161
MR1-08-SU10	7914720	563481	622	MR1-08-163
MR1-08-SU11	7914653	563443	614	MR1-08-166
MR1-08-SU12	7914466	563307	594	MR1-08-140
MR1-08-SU13	7914397	563234	594	MR1-08-145
MR1-08-SU14	7913974	563487	454	MR1-08-141
MR1-08-SU15	7913952	563520	448	MR1-08-141
MR1-08-SU16	7913895	563445	448	MR1-08-154
MR1-08-SU17	7913802	563402	444	MR1-08-160
MR1-08-SU18	7913784	563465	426	MR1-08-162
Silt Fences	7913764	303403	420	IVIR 1-06-162
	7045404	500700		MD4 00 455 MD4 00 450
MR1-08-SF1	7915104	563706	606	MR1-08-155, MR1-08-159
MR1-08-SF2 MR1-08-SF3	7915007 7914967	563722 563790	598 584	MR1-08-152, MR1-08-144 MR1-08-158
MR1-08-SF4	7914957	563717	596	MR1-08-156 MR1-08-157, MR1-08-146
MR1-08-SF5	7914954	563625	604	MR1-08-151, MR1-08-140
MR1-08-SF6	7914861	563695	590	MR1-08-147, MR1-08-150
MR1-08-SF7	7914827	563589	608	MR1-08-148, MR1-08-143
MR1-08-SF8	7914795	563656	592	MR1-08-156, MR1-08-153
MR1-08-SF9	7914770	563541	618	MR1-08-161
MR1-08-SF10	7914719	563482	622	MR1-08-163
MR1-08-SF11	7914652	563444	614	MR1-08-166
MR1-08-SF12	7914464	563310	594	MR1-08-140
MR1-08-SF13	7914396	563238	594	MR1-08-145
MR1-08-SF14	7913942	563524	454	MR1-08-141
MR1-08-SF15	R1-08-SF15 7913938 563529		454	MR1-08-141
MR1-08-SF16	7913884	563447	448	MR1-08-154
MR1-08-SF17	7913881	563449	448	MR1-08-149
MR1-08-SF18	7913801	563404	444	MR1-08-160
MR1-08-SF19	7913783	563466	426	MR1-08-162



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### WATER LICENCE WATER QUALITY MONITORING LOCATIONS

Monitoring	Description	UTM Coordi	nates (NAD83)	Latitude	Longitude
Station		Easting	Northing		
		(m)	(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 <sup>(1)</sup>	521,714	7,951,862	71° 39' 60" N	80° 22' 53" W
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-7	Water collected within the Bulk Fuel Storage Facility at Milne Inlet prior to release	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 LONGE	R REQUIRED <sup>(2)</sup>	
MRY-9	Minewater and surface drainage either pumped or released from the Magnetite Open Pit <sup>(2)</sup>	563,393	7,914,545		
MRY-10	Surface discharge from the weathered ore stockpile	563,461	7,915,211		
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		

### Notes:

- 1. This location is actually at Km 32 Lake.
- 2. There is actually only one bulk sample pit now.



## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

	1											1		1	1		
Sample Location	Date Sampled	Faecal Coliforms (ct/100ml)	Oil and Grease (mg/L)	Biological Oxygen Demand (mg/L)	all (all mits)	Parameter Result (Unit) otal Suspended Soilds (mg/L)	Total Arsenic (mg/L)	Total Connex (mail )	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Daphnia magna mean motality (%)	Rainbow trout mean motality (%)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (mg/L)	Comments
MRY-1	8-May-08	n Comornis (corrodnii)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	+
MRY-10	16-Aug-08	N/A	<1	N/A	7.65	7	<0.001	<0.001	<0.001	<0.005	<0.01	N/A	N/A	N/A	N/A	N/A	+
MRY-11	20-Aug-08	N/A	N/A	N/A	8.05	24	<0.001	0.003	0.001	<0.005	<0.01	N/A	N/A	N/A	N/A	N/A	
MRY-12	14-Jun-08	N/A	<1	N/A	7.89	10	0.002	0.002	<0.001	<0.005	0.01	N/A	N/A	N/A	N/A	N/A	
MRY-1-B	8-May-08	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-4	22-Jan-08	*	4	168	7.53	94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Sample exceeded holding time
MRY-4	15-Feb-08	>5000000	24	270	7.29	111	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-4 MRY-4	21-Mar-08 14-Apr-08	79000	1 <1	54 10	7.87	53 11	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	-
MRY-4 MRY-4	14-Apr-08 8-May-08	48300	non-visual	10	7.40	**	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	+
MRY-4	13-Jun-08	2690	<1 <1	13	7.77	26 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A	N/A	N/A	
MRY-4	7-Jul-08	100000	<1	29	7.58	45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	•
MRY-4	7-Aug-08	150000	1	46	7.72	46	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-4	3-Sep-08	1000	2	19	7.46	36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-4	28-Sep-08	*	2	47	7.37	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	* Sample exceeded holding times
MRY-4	28-Sep-08	N/A	2	47	7.37	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	October SNP Sample
MRY-4	1-Oct-08	5000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-4 MRY-4-1	3-Nov-08	11000	<1	30	7.35	69	N/A	N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OA/OC Duplicate
MRY-4-1 MRY-4-2	3-Nov-08 3-Sep-08	220 1000	<1 <1	24 17	7.33 7.41	72	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	QA/QC Duplicate  QA/QC Duplicate
MRY-4-2	3-Nov-08	N/A	<1	<1	5.95	<2	N/A N/A	N/A	N/A	N/A	N/A N/A	N/A	N/A N/A	N/A	N/A	N/A N/A	QA/QC Travel Blank
MRY-4-B	14-Apr-08	160000	<1	12	7.99	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	QA/QC Duplicate
MRY-5	7-Jan-08	130	<1	20	7.45	33	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	·
MRY-5	8-Feb-08	300	non-visual	27	7.82	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-5	13-Feb-08	53000	<1	67	7.62	91	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-5	20-Feb-08	>100	non-visual	90	7.77	110	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-5	20-Feb-08	1420000	bottle broken	77	7.62	138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-5 MRY-5	10-Mar-08 10-Mar-08	Sample Frozen 64.000.000	bottle broken non-visual	69 74	7.72 7.46	Insufficent sample	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	+
MRY-5	17-Mar-08	<100,000	non-visual	not sampled	7.58	132	N/A N/A	N/A	N/A	N/A N/A	N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	+
MRY-5	17-Mar-08	780	not sampled	45	7.62	122	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	·
MRY-5	11-Apr-08	4300000	3	61	7.39	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-5	8-May-08	50	non-visual	12	7.49	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-5	12-Jun-08	29300	<1	17	7.68	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Sampled under upset conditions
MRY-5	15-Jun-08	*40000	<1	15	7.59	40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*sample exceeded holding time QA/QC Duplicate
MRY-5	16-Jun-08	10	<1	11	7.79	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<u> </u>
MRY-5 MRY-5	17-Jun-08 7-Jul-08	30 110	2 <1	12	7.85 7.33	15 12	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	+
MRY-5	6-Aug-08	<10	<1	9	7.89	9	N/A N/A	N/A	N/A N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	
MRY-5	6-Aug-08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	·
MRY-5	6-Aug-08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	
MRY-5	2-Sep-08	1230	1	9	7.77	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MRY-5	28-Sep-08	*	<1	33	7.73	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	* Sample exceeded holding times
MRY-5	28-Sep-08	N/A	<1	33	7.73	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	October SNP Sample
MRY-5	1-Oct-08	4000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OA /OO Duration to
MRY-5-2 MRY-5-2	20-Feb-08 20-Feb-08	>1000 1650000	non-visual bottle broken	92 78	7.71 7.62	671 151	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	QA/QC Duplicate QA/QC Duplicate
MRY-5-2 MRY-5B	20-Feb-08 15-Jun-08	*38000	oottie broken	13	7.62	31	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	QA/QC Duplicate  QA/QC Duplicate
MRY-7 Batch #1	4-Aug-08	N/A	<1	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	a vac suplicate
MRY-7 Batch #10	26-Aug-08	N/A	4	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	0.7	
MRY-7 Batch #11	31-Aug-08	N/A	4	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	1	
MRY-7 Batch #12	31-Aug-08	N/A	2	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	1	
MRY-7 Batch #13	7-Sep-08	N/A	8	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	0.8	<0.5	<del> </del>
MRY-7 Batch #14C	16-Sep-08	N/A	10	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	+
MRY-7 Batch #14D MRY-7 Batch #15	23-Sep-08 14-Sep-08	N/A N/A	13 149	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	<0.001 <0.001	N/A N/A	N/A N/A	N/A N/A	N/A N/A	<0.5	<0.5 <0.5	<0.5 <0.5	+
MRY-7 Batch #15 MRY-7 Batch #2	14-Sep-08 5-Aug-08	N/A N/A	149	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	<0.001	N/A N/A	N/A N/A	N/A N/A	N/A N/A	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	+
MRY-7 Batch #2 MRY-7 Batch #3	9-Aug-08	N/A N/A	<1	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	<0.001	N/A N/A	N/A N/A	N/A N/A	N/A N/A	<0.5	<0.5 <0.5	<0.5	+
MRY-7 Batch #4	10-Aug-08	N/A	1	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	†
MRY-7 Batch #5	14-Aug-08	N/A	2	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	
MRY-7 Batch #6	14-Aug-08	N/A	2	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	
MRY-7 Batch #7	14-Aug-08	N/A	<1	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	
MRY-7 Batch #8B	25-Aug-08	N/A	1	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	
MRY-7 Batch #9	21-Aug-08	N/A	4	N/A	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.5	<0.5	<0.5	<del> </del>
MRY-8/9	25-Jul-08	N/A	<1	N/A	7.31	15	<0.001	0.005	0.016	<0.005	<0.01	N/A	N/A	N/A	N/A	N/A	1010051101
MRY-FB MRY-4	20-Feb-08 1-Dec-08	0 <10	N/A <1	N/A 4	N/A 7.65	N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	QA/QC Field Blank
IVIIN T=4	1-560-00	<10	<1	4	CO. 1	,	IN/A	IN/A	IN/A	IN/A	IN/A	n/A	n/A	IN/M	IN/A	IN/M	,1



### **TABLE 4.1**

### BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### DRILL CORE ANALYTICAL DATA

	UTM Coor	dinates	Depth	Nunber	(Tota	al) Arsenic	(As)	(	Copper (Cu	)		Nickel (Ni)			Lead (Pb)			Zinc (Zn)		Alı	umina (Al2	203)
Hole ID	Northing (m)	Easting (m)	(m)	of		(g/t)			(g/t)			(g/t)			(g/t)			(g/t)			%	
				Samples	Min.	Max.	Med.	Min.	Max.	Med.	Min.	Max.	Med.	Min.	Max.	Med.	Min.	Max.	Med.	Min.	Max.	Med.
MR1-07-136	7914409	563228	597	34	<40	<40	<40	74	1.7	13	1200	14	37.5	< 30	< 30	< 30	<50	340	<50	21.2	0.08	0.66
MR1-08-140	7914472	563300	598	67	<40	100	<40	1.1	190	7.9	13	1400	28	< 30	< 30	< 30	<50	130	<50	0.13	22.4	0.56
MR1-08-141	7913994	563456	463	136	<40	700	<40	1	240	9.1	<10	870	31	<30	<30	<30	<50	300	<50	0.05	19	0.82
MR1-08-142	7914895	563622	604	67	< 40	< 40	< 40	0.5	860	3.6	<10	150	31	<30	<30	<30	<50	360	<50	0.1	19.5	0.66
MR1-08-143	7914831	563586	608	111	< 40	68	< 40	0.6	350	6.8	<10	1100	27	<30	<30	<30	<50	160	<50	0.19	23.9	0.87
MR1-08-144	7915010	563718	598	35	< 40	< 40	< 40	1.6	370	6.3	<10	110	19	<30	<30	<30	<50	160	<50	0.23	18	0.73
MR1-08-145	7914409	563228	597	33	< 40	< 40	< 40	4.2	62	16	<10	310	35	<30	<30	<30	<50	450	<50	0.16	19.5	0.6
MR1-08-146	7914865	563684	589	70	< 40	< 40	< 40	0.7	270	21	<10	1300	35	<30	44	<30	<50	150	<50	0.16	24.1	2.155
MR1-08-147	7914866	563689	590	46	< 40	< 40	< 40	0.5	100	2	<10	690	24	<30	<30	<30	<50	100	<50	0.12	17.9	0.57
MR1-08-148	7914831	563586	608	57	< 40	< 40	< 40	1.3	75	5.7	<10	750	20	<30	<30	<30	<50	470	<50	0.3	18.1	0.8
MR1-08-149	7913917	563385	463	99	< 40	239	< 40	1.7	110	8.9	<10	670	30	<30	<30	<30	<50	76	<50	0.08	15.6	0.59
MR1-08-150	7914866	563689	590	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MR1-08-151	7914895	563622	604	71	< 40	< 40	< 40	0.6	260	4.55	<10	280	20	<30	<30	<30	<50	300	<50	0.18	19.5	0.74
MR1-08-152	7915010	563718	598	56	< 40	< 40	< 40	0.5	210	3.4	<10	1000	13.5	<30	<30	<30	<50	190	<50	0.13	21.5	1.025
MR1-08-153	7914799	563651	591	46	< 40	< 40	< 40	< 0.5	140	3.2	<10	350	26.5	<30	<30	<30	<50	130	<50	0.36	20.5	1.515
MR1-08-154	7913904	563429	449	88	< 40	530	< 40	3	280	15.5	<10	870	34	<30	<30	<30	<50	73	<50	0.02	18.4	0.63
MR1-08-155	7915107	563703	606	54	< 40	< 40	< 40	1.4	450	8.05	<10	320	11.5	<30	<30	<30	<50	130	<50	0.13	20.5	0.57
MR1-08-156	7914799	563651	591	25	< 40	< 40	< 40	0.8	25	2	<10	67	15	<30	<30	<30	<50	<50	<50	0.15	4.48	0.44
MR1-08-157	7914928	563733	589	49	< 40	< 40	< 40	2.4	200	17	<10	1600	38	<30	<30	<30	<50	140	<50	0.14	16.3	1.41
MR1-08-158	7914978	563786	582	50	< 40	< 40	< 40	1.6	450	22.5	<10	710	28	<30	30	<30	<50	140	<50	0.21	17.9	2.17
MR1-08-159	7915107	563703	606	71	0.6	100	8.1	5	420	15	<10	420	15	<30	<30	<30	<50	99	<50	0.03	24.9	0.95
MR1-08-160	7913805	563401	445	87	< 40	89	< 40	1.4	140	12	<10	460	23	<30	<30	<30	<50	130	<50	0.01	22.8	0.27
MR1-08-161	7914775	563536	618	82	< 40	< 40	< 40	0.9	200	8.1	<10	510	27	<30	<30	<30	<50	120	<50	0.14	21.4	1.12
MR1-08-162	7913787	563462	427	70	< 40	110	< 40	1.9	180	18	<10	460	40	<30	<30	<30	<50	110	<50	0.16	15.4	1.07
MR1-08-163	7914722	563479	620	72	< 40	< 40	< 40	1.5	130	11	14	490	34.5	<30	<30	<30	<50	170	<50	0.18	27.5	0.98
MR1-08-164	7913914	563297	502	51	< 40	< 40	< 40	2.1	26	6.5	13	690	31	<30	<30	<30	<50	100	<50	0.06	15.9	0.62
MR1-08-165	7914254	563386	536	56	< 40	< 40	< 40	2.1	51	7.7	<10	150	16.5	<30	<30	<30	<50	<50	<50	0.13	10.6	0.64
MR1-08-166	7914655	563441	614	33	< 40	< 40	< 40	1.8	33	5.9	15	79	38	<30	<30	<30	<50	56	<50	0.18	16.7	0.91



### **TABLE 6.1**

# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### SUMMARY OF UNAUTHORIZED DISCHARGES

Date of Occurrence	Quantity	Product Spilled	Cause of Spill	Approximate Location	Proximity to any Water body?	Actions Taken (Summarized)	Spill no.
Jan. 14, 2008	200L	Diesel	While driving from Milne Inlet to Mary River, a fly rock hit and punctured the saddle tank on a Kenworth truck.	KM 33 on the Milne Inlet Tote Road.	KM 33 Lake	Contaminated snow was excavated and placed into drums until proper disposal during sea lift season.	2008-001
Mar. 11, 2008	250L	Untreated Sewage	The lift station overflowed due to the failure of the grease trap.	Within the Tanks a lot system at Mary River	None	Due to inaccessible location for equipment to clean up, site was assessed during thaw season and contaminated soil removed.	2008-002
Apr. 20, 2008	150L	Treated Sewage	Treated effluent overtopped the low point of the northeast berm at the PWSP.	PWSP at Mary River	None	The northeast berm was built up slightly to allow for increased capacity.	2008-003
May 18, 2008	<10L	Diesel	Less than 10L of P50 diesel-water mixture leaked out of secondary containment.	Water pump building on shore of Camp Lake.	Camp Lake	Drainage was bermed off using absorbent socks and a drip pan was placed under the crack to catch the leak. Secondary containment was replaced and tertiary containment constructed.	2008-004
June 16, 2008	8000L	Jet A	Seam failure on a bladder at the Milne Inlet Tank Farm.	Milne Inlet Lined Tank Farm	None	Contaminated water with fuel was treated using the Oil Water treatment system.	2008-007
June 19, 2008	<200L	Untreated Sewage	A right angle joint along the sewage influent line located between the kitchen and WWTP became dislodged.	Between the kitchen and WWTP near the Mary River kitchen loading dock.	None	Contaminated soil was excavated and placed into containment drums and fill replaced.	2008-005
June 19, 2008	600L	Untreated Sewage	Coupling between joints failed on influent line from camp lift station to the WWTP.	Between the kitchen and WWTP at the Mary River camp.	None	Contaminated soil was excavated and placed into containment drums and fill replaced.	2008-006
Aug. 7, 2008	100L	Jet A	Missing gasket on camlock fitting connected to bladder #6 within the Milne Inlet Tank Farm.	Milne Inlet Lined Tank Farm	None	Absorbent pads were used to soak up free product and disposed of in designated hazardous waste lined storage.	2008-008
Aug. 7, 2008	<200L	Diesel	Faulty gasket on pipe fitting within the single bladder lined containment area for the generators at Mary River.	Generator bladder lined containment area	None	Contaminated soil was placed in 45 gallon drums. The drums were transferred to the hazardous waste containment for proper disposal on sea lift.	2008=009
Sep. 22, 2008	11.9 kg	Oil and Grease product	During the treatment of water within the Milne Inlet Bladder Farm, a bladder of treated water not meeting parameters was discharged.	Milne Inlet approved discharge ditch	Milne Inlet	A fuel management and control plan is being developed to supplement existing plans and procedures to further reduce the risk of similar repeat incidents.	2008-010
Sep. 24, 2008	100-200L	Diesel	Leaking threads on 2 bladders within the Milne Inlet Bladder Farm.	Milne Inlet Bladder Farm	None	Absorbent pads were used to soak up free product and disposed of in designated hazardous waste lined storage. Fuel was transferred to other bladders.	2008-011
Nov. 6, 2008	500L	Treated Sewage	Repair of frozen pipeline from the Mary River RBC to PWSP #2.	150 meters west of PWSP#2	None	Frozen effluent was scraped up by loader and placed within PWSP#2.	2008-012
Dec. 10, 2008	600L	Untreated Sewage	A 90 degree coupling connecting the Mary River min dry lift station to the WWTF cracked.	West side of the accommodation complex near the lift station for the mine dry.	None	Vacuum truck was utilized to remove liquid water that was recoverable.	2008-013



# BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

### 2008 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

### MEETINGS WITH PUBLIC, GOVERNMENT AND INUIT ORGANIZATIONS

Date	Group	Location	Description
Jan 8, 2008	INAC	Ottawa	Baffinland met with INAC lands staff to discuss the various land tenure options that may apply to the pre-construction, construction, and operation phases of the Project
Jan 11, 2008	Mitimatillik Hunters and Trappers Organization	Pond Inlet	Baffinland conducted a mapping project
Jan 12, 2008	Pisiksik Working Group	Pond Inlet	Baffinland consultants provide project update
Jan 18, 2008	Igloolik Hunters and Trappers	Igloolik	Baffinland consultants facilitated the mapping of marine life
Jan 19, 2008	Qaatiliit Working Group	Igloolik	Baffinland consultants provide project update
Jan 21, 2008	Hamlet of Pond Inlet	Pond Inlet	Project update presentation to Mayor and Council
Jan 25, 2008	Municipality of Igloolik	Igloolik	Project update presentation to Mayor and Council
Jan 25, 2008	Hamlet of Clyde River Namautaq Hunters and Trappers	Clyde River	Baffinland consultant meeting to discuss IQ study
Jan 28, 2008	Government of Nunavut Department of Community and Government Services Department of Health and Social Services	Iqaluit	A project information meeting to discuss emergency services and occupational health and safety related to the Mary River Project
Jan 31, 2008	NIRB NPC Nunavut Water Board	Vancouver	Discussed the review process, the potential requirement for an amendment to the North Baffin land use plan and the associated review, and opportunities for joint NIRB-NWB hearings
Feb 7, 2008	Inuksuligaqjuk Working Group	Arctic Bay	Baffinland consultant provided project update and discussed IQ status
Feb 12, 2008	Pond Inlet Public Meeting	Pond Inlet	Baffinland consultant hosted a public workshop on caribou
Feb 12-13, 2008	Pisiksik Working Group Mitimatillik Hunters and Trappers Invited Elders	Pond Inlet	Baffinland consultants hosted a workshop on caribou
Feb 15, 2008	Clyde River Working Group Namautaq Hunters and Trappers Invited Elders	Clyde River	Baffinland consultants hosted a workshop on caribou
Mar 24, 2008	NIRB NWB Mining Symposium Presentation	lqaluit	Baffinland attended the symposium and the joint NIRB/NWB presentation and spoke to representatives from both organizations
Mar 26, 2008	Public Hamlet of Hall Beach HTO CLARC	Hall Beach	Baffinland presented the Development Proposal, facilitated Q & A
Mar 27, 2008	Public HTO CLARC	lgloolik	Baffinland presented the Development Proposal, facilitated Q & A
Mar 28, 2008	Public Hamlet of Arctic Bay Arctic Bay Hunters and Trappers	Arctic Bay	Baffinland presented the Development Proposal, facilitated Q & A
Mar 31, 2008	Public Hamlet of Pond Inlet Hamlet Economic Development Committee	Pond Inlet	Baffinland presented the Development Proposal, facilitated Q & A
April 1, 2008	Public Hamlet of Clyde River Namautaq Hunters and Trappers	Clyde River	Baffinland presented the Development Proposal, facilitated Q & A
April 2, 1008	Public City of Iqaluit	Iqaluit	Baffinland presented the Development Proposal, facilitated Q & A
April 23, 2008	DFO	Ottawa	Discussion of habitat interactions with the Mary River Project, and preliminary discussions of scoping and No Net Loss Planning.
June 12, 2008	Transport Canada - Navigable Waters Protection Program	Edmonton	Project update; discussed proposed TC-NWPP site visit to Mary River; discussed extension of current approvals for crossings along the Milne Inlet Tote Road
June 13, 2008	Environment Canada	Yellowknife	Discussed Environment Canada's subjects of interest on the Mary River Project: birds, geochemistry and spill planning
Sept 5, 2008	Qikiqtani Inuit Association	Iqaluit	A meeting with the QIA lands and resources staff and regional lands committee on shipping associated with the Mary River Project
Sept 5, 2008	Nunavut Water Board	Edmonton	Discussed water licensing process, and options for a coordinated review process with the Nunavut Impact Review Board.
Sept 11, 2008	Environment Canada	Edmonton	Baffinland met in person the newly appointed Environment Canada contact person for the Project





































