

**TABLE 1**

**BAFFINLAND IRON MINES CORPORATION  
MARY RIVER PROJECT**

**BULK SAMPLING PROGRAM**

**CONFORMANCE TO THE NIRB PROJECT SPECIFIC INFORMATION REQUIREMENTS**

<b>Project Specific Information Requirement</b>	<b>Section in Environmental Screening Report</b>
<b>ADVANCED EXPLORATION/BULK SAMPLING</b>	
<b>2. Project Description</b>	
<b>General</b>	
1. Name and location of proposed project	Section 1.0
2. Contact information for proponent(s) and other project contacts	Section 1.1
3. List of acts, regulations and guidelines that apply to project activities	Section 1.2
4. List of approvals, permits and licenses required including the authorizing agency activity to which the authorization applies, and dates	Section 1.1
<b>Project Information</b>	
5. History of the site	Section 2.1
6. Map of the project site and distances to closest communities	Figure 1.1
7. Map of any camp site and locations of camp facilities	Figure 1.2
8. Map of the project site and existing and proposed infrastructure, proximity to water bodies and proximity to wildlife and wildlife habitat	Figures 1.3 and 5.1
9. Description of the type of base metal resource under exploration	Sections 2.1 and 2.3
10. Discussion of the project need and purpose	Section 2.4
11. Discussion of alternatives to the project and alternatives to the project components	Section 2.5
12. Indication of the type of exploration activity	Section 2.3
13. Description of all activities included in the project	See below
Satellite remote sensing	Section 2.3
Aircraft remote sensing	Section 2.3
Soil sampling	Sections 2.14.2 and 2.15
Sediment sampling	Section 5.2.4.3
On land drilling and drill type	Section 2.8
On ice drilling and drill type	Section 2.8
Overburden removal	Section 2.15.2
Road use and construction	Sections 2.3 and 2.13
Airstrip use and construction	Section 2.12
Camp use and construction	Section 2.16
Fuel transportation and storage	Section 2.18
Explosives transportation and storage	Section 2.20 and Figure 2.3
Chemical transportation and storage	Section 2.19.2
Pit and quarry	Section 2.15
Work within navigable waters	Sections 2.13, 2.14.3, 2.14.4 and 2.14.5
On site sample processing	Sections 2.3 and 2.9
Off site sample processing	Section 2.3
Waste rock storage	Sections 2.10 and 2.21
Ore storage	Section 2.11
Tailings disposal	Section 2.3
Portal and underground ramp construction	Section 2.3
Landfilling	Section 2.16.1
Other	Sections 2.13 and 2.21
14. Indication of whether any of the Department of Fisheries and Oceans (DFO) Operational Statement (OS) activities apply to the project proposal	Table 6.4
15. Does the proponent agree to meet the conditions and incorporate the measures to protect fish and fish habitat as outlined in the applicable OS and provide a signed statement of confirmation?	Section 6.2.4
16. Schedule for activities that apply to the project proposal	Section 2.7 and Figure 2.2
<b>Geophysical</b>	<b>Not applicable</b>
<b>Drilling</b>	
19. Estimated number of drillholes and meterage	Section 2.8
20. Drill additives used	Section 2.8
21. Method of dealing with drill cuttings	Section 2.8
22. Method for dealing with drillwater	Section 2.8
23. Description of how drill equipment will be mobilized	Section 2.8
24. Description of how drill holes will be abandoned	Section 2.8
25. Potential for radiation exposure and radiation protection	Not applicable
<b>Stripping/Trenching/Pit Excavation/Bulk Sample</b>	
26. Discussion of methods employed	Sections 2.3, 2.5, 2.8 and 2.9
27. Description of expected dimensions of excavations and depths	Section 2.9 and Tables 2.1 and 2.2
28. Location of bulk sampling	Figure 2.3
29. Expected volume of material to be removed	Tables 2.1 and 2.2
30. Discussion of methods used to determine acid rock drainage (ARD) and metal leaching (ML) potential and results	Section 2.9
<b>Underground Activities</b>	Section 2.3
<b>Waste Rock Storage and Tailing Disposal</b>	
37. Location and conceptual design of waste rock storage piles	Figure 2.1
38. Anticipated volumes of waste rock	Sections 2.10 and 2.11
39. Discussion of methods used to determine acid rock drainage (ARD) and metal leaching (ML) potential and results	Section 2.9
<b>Stockpiles</b>	
40. Location and conceptual design of stockpiles	Figures 2.1 and 2.5
41. Description of the types of material to be stockpiled	Section 2.11
42. Anticipated volumes of types of material to be stockpiled	Section 2.11

43. Discussion of methods used to determine acid rock drainage (ARD) and metal leaching (ML) potential and results	Section 2.9
<b>Transportation</b>	
44. Description of how the site will be accessed and how supplies will be brought to site	Sections 2.12 and 2.13
45. Description and location of airstrips	Section 2.12 and Figure 1.2
46. Description of expected flight altitudes	Section 2.12
<b>Camp Site</b>	
47. List of existing and proposed camp structures and infrastructure	Section 2.16
48. Descriptions of camps	Section 2.16
49. Maximum number of people expected on site	Section 2.16
50. Description of the source of power for the camp	Section 2.16
<b>Equipment</b>	
51. List of equipment indicating uses and approximate dimensions	Section 2.17
52. Digital photos of equipment	Figure 2.8
53. Method of moving equipment within the project site	Section 2.17
<b>Water</b>	
54. Location of water sources	Figures 1.3 and 2.5
55. Estimated rate of water consumption	Sections 2.16.1 and 2.16.2
56. Description of water intakes and methods for the prevention of fish entrapment	Section 2.16.1
57. How surface and underground water will be managed	Section 8.4
<b>Waste (Grey water, Sewage, Other)</b>	
58. Description of the characteristics, quantities, treatment, storage, transportation, and disposal methods	Sections 2.16, 8.8 and 2.18
59. Description of the location, conceptual design, and management of landfill	Section 2.19
<b>Fuel</b>	
60. Types, quantities, method of storage, method of containment, location of storage and uses	Section 2.18 and Figures 2.1, 2.3 and 2.5
61. Description of the secondary containment measures including the type of material or system used	Section 2.18
62. Description of the method of fuel transfer and the method of refueling	Section 2.18
<b>Chemicals and Hazardous Materials</b>	
63. Types, quantities, method of storage, method of containment, location of storage, and uses	Section 2.19.2 and Figure 2.1
64. Description of secondary containment measures and type of material and system used	Section 2.19.2
65. Description of the method of chemical transfer	Section 2.19.3
<b>Explosives</b>	
66. Description of the explosive type, hazard class, volumes, uses, location of storage, and method of storage	Section 2.20 and Figure 2.3
<b>Public Involvement/Traditional Knowledge</b>	
67. Description of the level of public involvement, summary of public involvement measure, summary of concerns expressed, and methods of addressing concerns	Sections 3.0 and 4.0
<b>3. Description of the Existing Environment</b>	
<b>Physical Environment</b>	Section 5.1.1
Proximity to designated environmental areas, and arks, heritage sites, sensitive areas and other protected areas	Section 5.1.2 and Figure 5.1
Eskers and other unique landscapes	Section 5.1.9
Evidence of ground, slope or rock instability, seismicity	Sections 5.1.7 and 8.7
Evidence of thermokarsts	Section 5.1.7
Evidence of ice lenses	Section 5.1.7
Surface and bedrock geology	Sections 5.1.3, 5.1.4, 5.1.5 and 5.1.6
Topography	Sections 5.1.1 and 5.1.6
Permafrost	Section 5.1.7
Sediment and soil quality	Section 5.1.13
<b>Hydrology/limnology</b>	Section 5.1.10
Tidal processes and bathymetry in the project area	Section 5.1.11
Water quality and quantity	Section 5.1.12
Air quality	Section 5.1.14
Climate conditions and predicted future climate trends	Section 5.1.8
Noise levels	Section 5.1.15
Other physical Valued Ecosystem Components (VEC) as determined through community consultation and literature review	Section 5.1.16
<b>Biological Environment</b>	
Vegetation	Section 5.2.1
Wildlife and habitat and migration patterns	Section 5.2.2
Birds and habitat and migration patterns	Section 5.2.3
Species of concern as identified by federal or territorial agencies and any wildlife species listed under the Species and Risk Act (SARA), its critical habitat or the residences of individuals of the species	Section 5.2.7
Aquatic (freshwater and marine) species, and habitat and migration/spawning patterns	Sections 5.2.4 and 5.2.5
Other biological Valued Ecosystem Components (VEC) as determined through community consultation and literature review	Section 5.2.6
<b>Socioeconomic Environment</b>	
Archaeological and culturally significant sites in the project and adjacent areas	Section 5.3.1
Palaeontological component of surface and bedrock geology	Section 5.1.5
Land and resource use in the area and subsistence harvesting, tourism, trapping and guiding operations	Section 5.3.2
Local and regional traffic patterns	Section 5.3.3
Human health broadly defined as a complete state of well being (and physical, social, psychological, and spiritual)	Section 5.3.4

Other Valued Socioeconomic Components (VSEC) as determined through community consultation and literature review	Section 5.3.5
<b>4. Identification of Impacts</b>	
1. Complete Table 1 - Identification of environmental Impacts	Table 6.1
2. Discussion of impacts identified in Table 1	Table 6.1
3. Discussion of potential socioeconomic impacts and human health	Section 6.3
4. Discussion of potential for transboundary effects related to the project	Section 6.4
5. Identification of any potentially adverse effects of the project proposal on species listed under the Species at Risk Act (SARA) and their critical habitats or residences, what measures will be taken to avoid or lessen those effects and how the effects will be monitored	Sections 6.2.3 and 6.2.7
<b>5. Mitigation of Impacts</b>	
1. Description of measure to mitigate impacts to the physical, biological and socioeconomic environment as identified in Section 4.	Section 6.0
<b>6. Cumulative Effects</b>	
1. Discussion of how effects of the project interact with the effects of relevant past, present and reasonably foreseeable projects in a regional context	Section 7.0
<b>7. Supporting Documents</b>	
Abandonment and decommissioning plan	✓
Existing site photos with descriptions	✓
Emergency response and spill contingency plan	✓
Monitoring plan	Section 8.0
<b>ALL WEATHER ROADS AND TRAILS</b>	
<b>Road Construction</b>	
14. Description of field investigations and the results used in selecting the proposed route	Sections 2.14.2 and 2.14.3
15. Conceptual plan including road cross section and water crossings	Section 2.14.1
16. Discussion of road design considerations for permafrost	Section 2.14.4
17. Location of designated refueling areas, water crossings, culverts, and quarries	Figures 2.1, 2.14-27, 2.11-2 and 2.28-30
<b>Road Operation</b>	
18. Identification of proposed traffic speed and public safety measures	Section 2.14.7
19. Discussion of the type and volume of traffic using the road	Section 2.14.7
20. Discussion of public access to the road	Section 2.14.7
21. Description of maintenance procedures	Section 2.14.8
22. Description of dust management procedures	Sections 2.12, 6.1.1, 6.2.1, 6.2.2, 8.6 and 8.7.1
<b>PITS AND QUARRIES</b>	
14. Description of field investigations and the results used in determining new extraction sites	Section 2.15
15. Identification of carving stone deposits	Section 5.3.2.2
16. Conceptual design and footprint	Section 2.15
17. Description of the type and volume of material to be extracted	Section 2.15
18. Depth of overburden	Section 2.15
19. Description of any existing and potential for thermokarst development and any thermokarst prevention measures	Section 5.1.8
20. Description of any existing and potential for flooding and any flood control measures	Sections 2.14.5, 5.1.8 and 5.1.10
21. Description of existing or potential for erosion and any erosion control measures	Sections 2.15, 5.1.7, 5.1.8, 6.1.3, 6.1.5, 6.1.9, 6.2.1 and 8.7
22. Description of any existing or potential for sedimentation and any sedimentation control measures	Sections 2.15, 6.1.3, 6.1.5, 6.1.7, 6.1.9, 6.2.1 and 8.7
23. Description of any existing or potential for slumping and any slump control measures	Section 6.1.3
24. Description of the moisture content of the ground	Section 2.15
25. Description of any evidence of ice lenses	Section 2.15
26. Description of blasting methods employed	Section 2.15
27. Discussion of methods used to determine acid rock drainage (ARD) and metal leaching (ML) potential and results	Section 2.9
28. Discussion of safety measures for the workforce and the public	Section 3.2

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