SAVED: I:\1\02\00181\29\A\Acad\FIGS\A01_r0, 2/24/2011 2:36:40 PM , AMOORE PRINTED: 2/24/2011 2:38:20 PM, Layout1, AMOORE
XREF FILE(S): IMAGE FILE(S): NORTH BAFFINLAND

LEGEND:

- WATER
- CAMP LOCATION
- COMMUNITY

SCALE (APPROX.) 40 20 0 40 80 120 160 200 km

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

PROJECT LOCATION MAP

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 1.1 REV 0

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XREF FILE(S): TOPO - 01 - MAR 06 2009; INUIT OWNED LANDS - SURFACE AND SUBSERFACE - 01 - MAR 05 2009; RAILWAY ALIGNMENT - MARY RIVER STEENSBY - OCT 07 2008; ROAD EXISTING - 01 - MAR 05 2009; ROAD TOTE AS-CONSTRUCTED - 01 - JAN 29 2008; ClaimBlocks IMAGE FILE(S):

500000 E
550000 E
600000 E
650000 E
N
8000000 N
7950000 N
7900000 N
7850000 N
7800000 N
7750000 N
MILNE INLET
MILNE INLET CAMP AND PORT
ROCK QUARRY NO. 1
BORROW SOURCE NO. 1
PHILLIPS CREEK
MILNE INLET TOTE ROAD
CROWN MINERAL CLAIMS
KATIKTOK LAKE
MCOUAT LAKE BLOCK (18 CLAIMS) DEPOSIT NO. 5
BORROW SOURCE NO. 2
DEPOSIT NO. 1 MINING LEASE 2484
BORROW SOURCE NO. 3
MARY RIVER CAMP
SOUTHERN BOUNDARY OF NORTH BAFFIN PLANNING REGION
ROCK QUARRY NO. 2
DEPOSIT NO. 4 MINING LEASE 2483
DEPOSIT NO. 5
DEPOSIT NO. 1
PI-13
PI-14
PI-15
PI-16
PI-17
PI-19
PI-20
PI-12
TURNER RIVER BLOCK (9 CLAIMS) DEPOSIT NO. 7
QIA SURFACE COMMERCIAL LEASE BOUNDARY
GLACIER LAKES CLAIMS (20 CLAIMS) DEPOSIT NO. 6
NTI BAFFINLAND JOINT VENTURE AREA 16,695 HA
DEPOSIT NOS. 2, AND 3 MINING LEASE 2485
RAVN RIVER
ANGAJURJUALUK LAKE
NORTH COCKBURN RIVER (8 CLAIMS) DEPOSIT NO. 8
NORTH ROWLEY RIVER (4 CLAIMS) DEPOSIT NO. 9
MID RAIL CAMP
QUARTZ LAKE
NINA BANG LAKE
COCKBURN RIVER
ROWLEY RIVER
PROPOSED RAILWAY
ERICHSEN LAKE
RAVN RIVER
TARIUJAQ ARM
STEENSBY INLET CAMP AND PROPOSED PORT
STEENSBY INLET

LEGEND:

- WATER
- INUIT OWNED LAND - SURFACE ONLY EXCLUDING MINERALS
- INUIT OWNED LAND - SURFACE AND SUBSURFACE INCLUDING MINERALS
- MINERAL LEASE BOUNDARY
- CROWN LAND
- EXISTING BORROW AREA (IOL COMMERCIAL LEASE)
- EXISTING ROCK QUARRY (IOL COMMERCIAL LEASE)
- NTI EXPLORATION AREA
- CROWN MINERAL CLAIMS
- MILNE INLET TOTE ROAD
- PROPOSED RAIL ALIGNMENT
- RIVER/STREAM/DRAINAGE
- CONTOUR

NOTES:

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

SCALE 8 4 0 10 20 30 40 km

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

LOCATION OF PROJECT ACTIVITIES

Knight Piésold CONSULTING

P/A NO. NB102-181/29 | REF NO. 1 | REV 0

FIGURE 2.1

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

LEGEND:

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

NOTES:

1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. MINE SITE INFORMATION PROVIDED BY GENIVAR DECEMBER 9, 2008.

SCALE 250 125 0 250 500 750 1000 1250 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

EXISTING SITE LAYOUT AT MARY RIVER

Knight Piésold CONSULTING

P/A NO. NB102-181/29

REF NO. 1

FIGURE 2.2

REV 0

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XREF FILES: Mine Site Water Intake PROJECT SITE PLAN 2m INTERVAL REV2 HeatRoadsLaunchSlope 09Dec09 GENIVAR MARY RIVER JAN12 IMAGE FILE(S) 20100911 Mary River Aerial (07)(b)_Sheardown_Lake_North_Baffinland topo3spcontEagle.dgn 15431.dgn

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

7977000 N
7976500 N
7976000 N
7975500 N
7975000 N

MILNE INLET

TEMPORARY SPUD BARGE ARRANGEMENT (REMOVED OCTOBER 2008)

EFFLUENT DISCHARGE LOCATION TO RECEIVING ENVIRONMENT

ORE PAD AND RESIDUAL ORE

POLISHING/WASTE STABILIZATION POND

LAYDOWN AREA

INCINERATOR

FUEL STORAGE

FUEL FARM

HAZARDOUS WASTE BERM

OWS AREA

TENT CAMP (2010)

LINED STORAGE AREA

TRAILER CAMP (CLOSED)

BULK FUEL LOAD OUT AREA

WASTE WATER TREATMENT FACILITY (NOT OPERATIONAL IN 2010 AND 2011)

LINED STORAGE

GARAGE

AIRSTRIP

LAYDOWN AREA

MILNE INLET TOTE ROAD

EXISTING CABIN

25

50

75

100

ROCK QUARRY NO. 1

PERMITTED OPEN BURN PIT AREA

BORROW PITS

BORROW SOURCE NO. 1

PHILLIPS CREEK

LEGEND:

- WATER
- WETLAND
- LAYDOWN AREA
- BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
- MILNE INLET TOTE ROAD
- ROAD
- RIVER/STREAM/DRAINAGE
- DIRECTION OF SURFACE WATER RUNOFF
- EXISTING ROCK QUARRY (IOL COMMERCIAL LEASE)
- EXISTING BORROW AREA (IOL COMMERCIAL LEASE)

NOTES:

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

SCALE 100 50 0 100 200 300 400 500 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

EXISTING SITE LAYOUT AT MILNE INLET

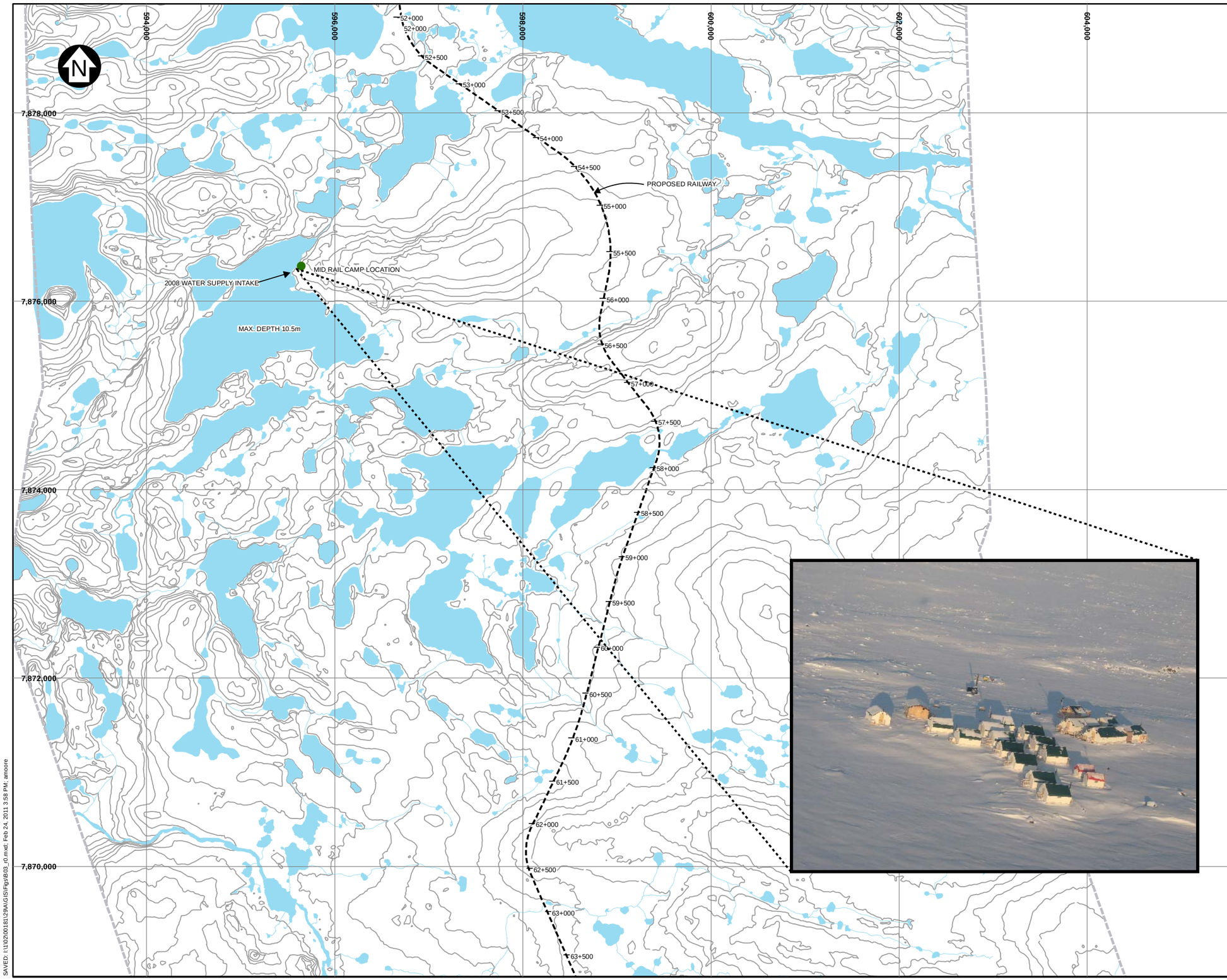
Knight Piésold CONSULTING

P/A NO. NB102-181/29

REF NO. 1

FIGURE 2.3

REV 0



LEGEND:

- WATER
- RIVER/STREAM/DRAINAGE
- PROPOSED RAILWAY
- EXISTING CAMP (CAMP NOT OCCUPIED DURING 2010)

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

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

EXISTING SITE LAYOUT AT MID RAIL CAMP

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1
FIGURE 2.4	REV 0

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LEGEND:

- WATER
- RIVER/STREAM/DRAINAGE
- WETLAND

NOTES:

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

SCALE 250 12.5 0 250 500 750 1000 1250 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

EXISTING SITE LAYOUT AT STEENSBY INLET

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 2.5 REV 0

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XREF FILES: STEENSBY PORT AREA_01-JAPHQ_22-2005; sheet1by Jakes IMAGE FILES: 2005095Sheet1by Aaron

500000
525000
550000
575000
600000
7975000
7950000
7925000
7900000
7875000
7850000
7825000
7800000
MILNE INLET
MILNE INLET CAMP AND PORT
MILNE INLET TOTE ROAD
KATIKTOK LAKE
MARY RIVER CAMP
ANGAJURJUALUK LAKE
PROPOSED RAILWAY
COCKBURN LAKE
STEENSBY INLET
STEENSBY INLET CAMP AND PROPOSED PORT
N
SCALE 5 2.5 0 5 10 15 20 25 km

LEGEND:

- MILNE INLET TOTE ROAD
- PROPOSED RAILWAY ALIGNMENT

ELEVATION (m)

High : 1600

Low : 0

NOTES:

1. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
2. BODIES OF WATER ARE SHOWN IN WHITE.

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BAFFINLAND IRON MINES CORPORATION

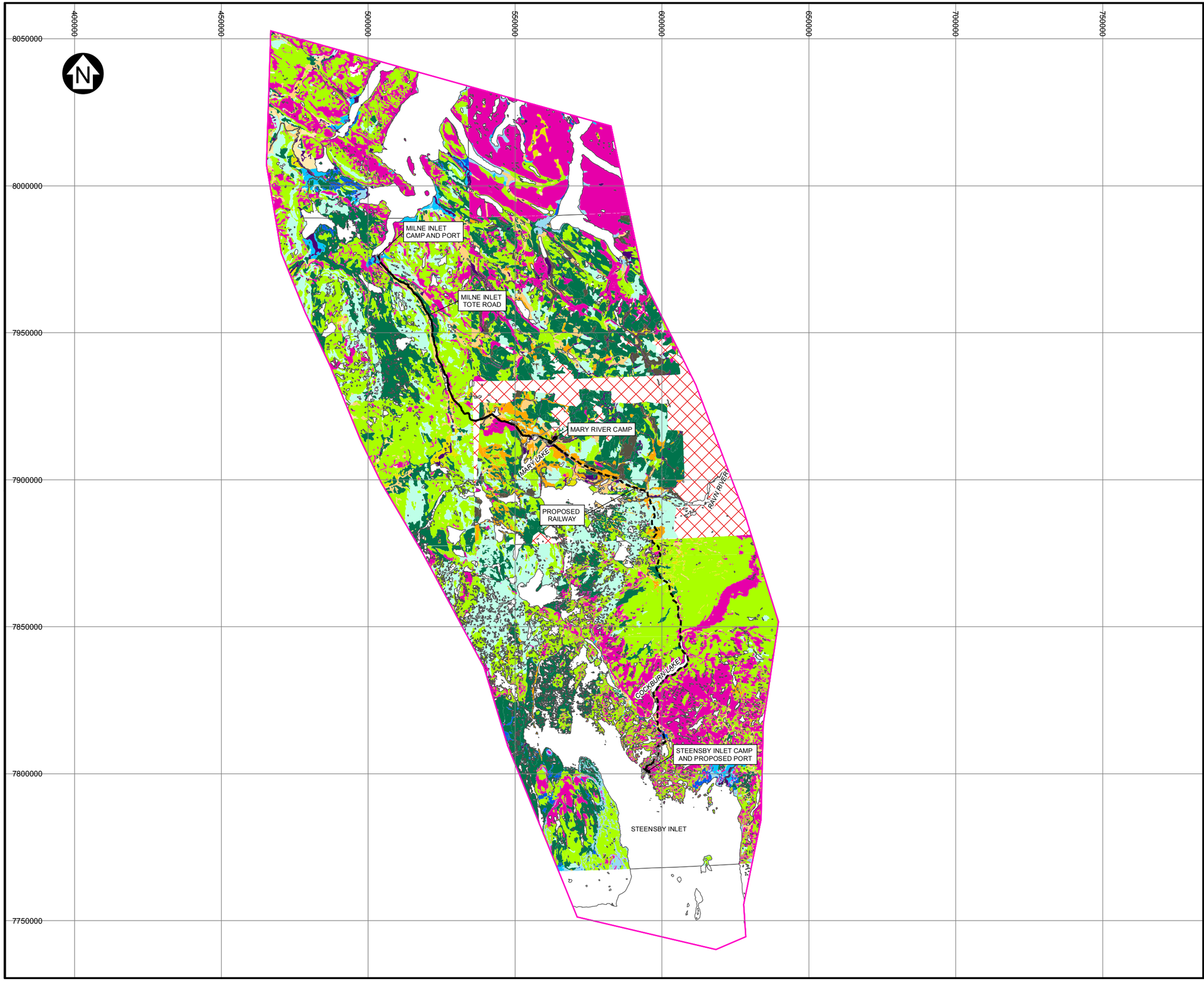
MARY RIVER PROJECT

RELIEF MAP OF THE NORTH BAFFIN REGION

Knight Piésold CONSULTING

P/A NO.	REF NO.	REV
NB102-181/29	1	0

FIGURE 3.1



SURFICIAL DEPOSITS

QUATERNARY

HOLOCENE

COLLUVIUM: block and rubble accumulations, 1-50 m thick.

Ca — Talus: active block and rubble accumulations as much as 50 m thick forming talus aprons and fans below cliffs resulting from rock falls and debris flows; commonly crossed by debris flow channels and levées.

FLUVIAL SEDIMENTS: alluvium; gravel and sand, 2-20 m thick.

Ap — Alluvial deposits: gravel and sand; 2-20 m thick; active braided floodplains, terraces, and fans; includes active proglacial outwash.

MARINE AND GLACIAL MARINE SEDIMENTS: gravel, sand, silt, and clay, 1-20 m thick, deposited in deltaic and beach environments during regression of the postglacial sea.

Mr — Beach sediments: gravel and sand, 1-5 m thick, forming ridges and swales.

Mt — Deltaic sediments: clay, silt, sand, and gravel, 5-20 m thick, forming coarsening upward sequences under dissected terraces.

Mv — Deepwater proglacial silt veneers: silt, clay silt, and fine sand with dropstones, 1-2 m thick.

GLACIAL LACUSTRINE SEDIMENTS: clay, silt, sand, and gravel deposited in glacier dammed lakes in deepwater, beach, and deltaic environments.

Lt — Deltaic sediments: clay, silts, sand, and gravel, 5-20 m thick, forming coarsening upward sequences under dissected terraces.

Lb — Deepwater proglacial silt: silt, clay silt, and fine sand with dropstones; veneers 1-2 m thick; blankets 2-5 m thick.

GLACIOFLUVIAL SEDIMENTS: gravel and sand, 1-10 m thick, deposited behind, at, and in front of the ice margin.

Gt — Proglacial outwash: gravel and sand, 1-10 m thick, forming braided floodplains, terraces, and fans.

Gh — Ice contact stratified drift: gravel and sand, 1-5 m thick, forming eskers, and kames.

EARLY HOLOCENE AND WISCONSINAN

TILL: nonsorted stony muds, 0.5-60 m thick, deposited in subglacial and ice marginal environments; lithic composition generally reflects underlying bedrock.

Tm — End moraine: 5-60 m high, composed of or mantled by till, extensively kettled in places; large features mainly cored by debris-rich relict glacier ice.

Tv — Till veneer: 0.5-2 m thick and discontinuous; some surfaces armoured by stones due to washing by subglacial meltwater.

Tb — Till blanket: 2-10 m thick forming an undulating blanket with drumlins and ribbed (Rogen) moraines in places.

BEDROCK

PRE-QUATERNARY

R — Rock: rock of various compositions and ages (Jackson and Sangster, 1987) variously modified by glacial erosion during the Quaternary and with patchy till cover; hilly and hummocky surfaces, ice moulded in places, with lake basins in subglacially scoured regions; cliffs resulting from glacial over-steepening; in places veneered by thin till, commonly bouldery.

LEGEND:

- WATER
- POTENTIAL DISTURBANCE AREA
- SURFICIAL GEOLOGY NOT AVAILABLE
- MILNE INLET TOTE ROAD
- PROPOSED RAIL ALIGNMENT

NOTES:

1. BASE MAP: © HER MAJESTY THE QUEEN IN RIGHTS OF CANADA, DEPARTMENT OF NATURAL RESOURCES (2004). ALL RIGHTS RESERVED.
2. COORDINATE GRID IS SHOWN IN UTM NAD83 ZONE 17 AND IS IN METRES.
3. BODIES OF WATER ARE SHOWN IN WHITE.

SCALE 10 5 0 10 20 30 40 50 km

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

SURFICIAL GEOLOGY IN THE PROJECT AREA

Knight Piésold CONSULTING

P/A NO. NB102-181/29 | REF. NO. 1

FIGURE 3.2 | REV 0

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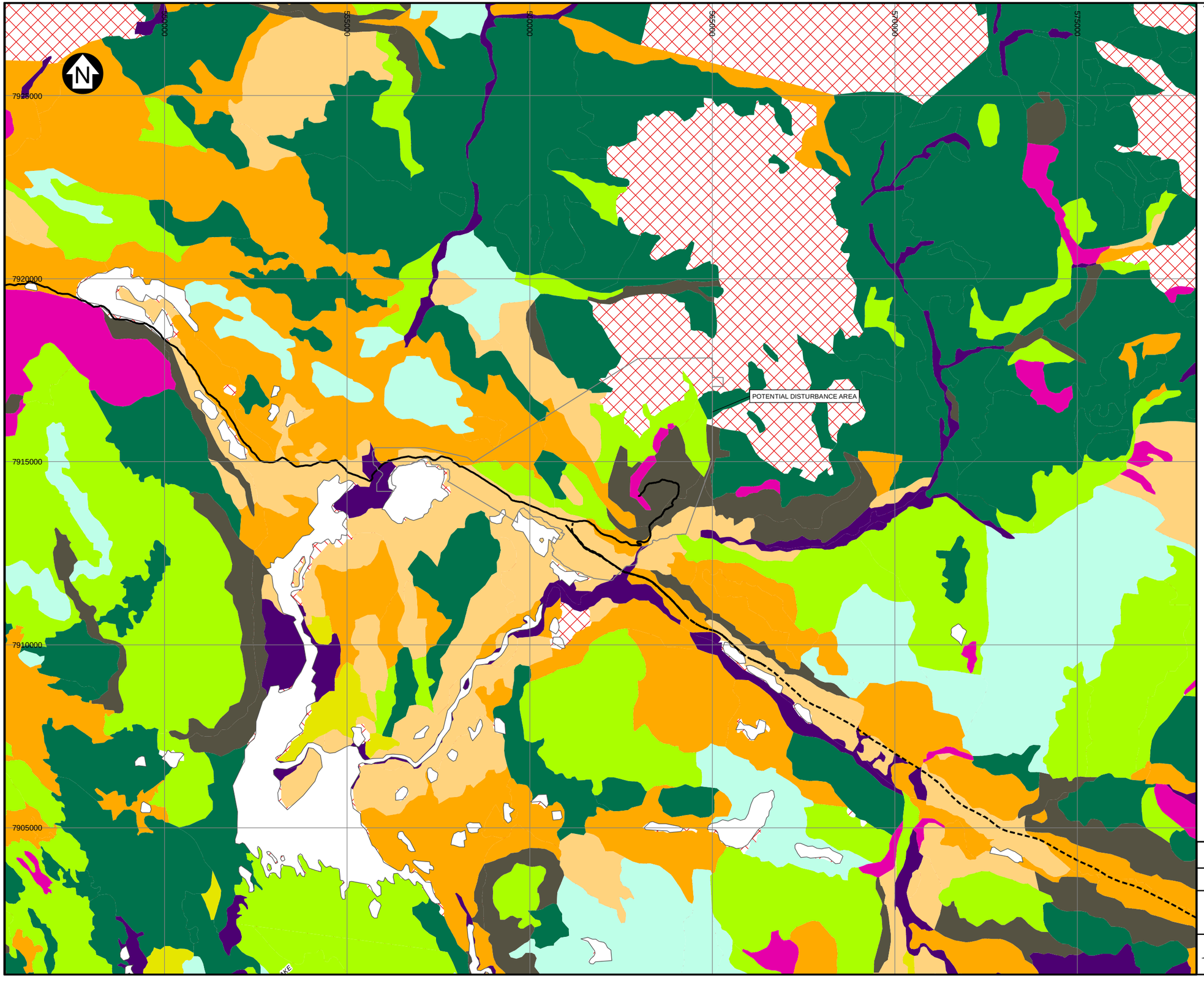

SURFICIAL DEPOSITS

QUATERNARY

HOLOCENE

COLLUVIUM: block and rubble accumulations, 1-50 m thick.

Ca — Talus: active block and rubble accumulations as much as 50 m thick forming talus aprons and fans below cliffs resulting from rock falls and debris flows; commonly crossed by debris flow channels and levées.

FLUVIAL SEDIMENTS: alluvium; gravel and sand, 2-20 m thick.

Ap — Alluvial deposits: gravel and sand; 2-20 m thick; active braided floodplains, terraces, and fans; includes active proglacial outwash.

MARINE AND GLACIAL MARINE SEDIMENTS: gravel, sand, silt, and clay, 1-20 m thick, deposited in deltaic and beach environments during regression of the postglacial sea.

Mr — Beach sediments: gravel and sand, 1-5 m thick, forming ridges and swales.

Mt — Deltaic sediments: clay, silt, sand, and gravel, 5-20 m thick, forming coarsening upward sequences under dissected terraces.

Mv — Deepwater proglacial silt veneers: silt, clay silt, and fine sand with dropstones, 1-2 m thick.

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Lb — Deepwater proglacial silt: silt, clay silt, and fine sand with dropstones; veneers 1-2 m thick; blankets 2-5 m thick.

GLACIOFLUVIAL SEDIMENTS: gravel and sand, 1-10 m thick, deposited behind, at, and in front of the ice margin.

Gt — Proglacial outwash: gravel and sand, 1-10 m thick, forming braided floodplains, terraces, and fans.

Gh — Ice contact stratified drift: gravel and sand, 1-5 m thick, forming eskers, and kames.

EARLY HOLOCENE AND WISCONSINAN

TILL: nonsorted stony muds, 0.5-60 m thick, deposited in subglacial and ice marginal environments; lithic composition generally reflects underlying bedrock.

Tm — End moraine: 5-60 m high, composed of or mantled by till, extensively kettled in places; large features mainly cored by debris-rich relict glacier ice.

Tv — Till veneer: 0.5-2 m thick and discontinuous; some surfaces armoured by stones due to washing by subglacial meltwater.

Tb — Till blanket: 2-10 m thick forming an undulating blanket with drumlins and ribbed (Rogen) moraines in places.

BEDROCK

PRE-QUATERNARY

R — Rock: rock of various compositions and ages (Jackson and Sangster, 1987) variously modified by glacial erosion during the Quaternary and with patchy till cover; hilly and hummocky surfaces, ice moulded in places, with lake basins in subglacially scoured regions; cliffs resulting from glacial over-steepening; in places veneered by thin till, commonly bouldery.

LEGEND:

- WATER
- POTENTIAL DISTURBANCE AREA
- SURFICIAL GEOLOGY NOT AVAILABLE
- MILNE INLET TOTE ROAD
- PROPOSED RAIL ALIGNMENT

NOTES:

1. BASE MAP: © HER MAJESTY THE QUEEN IN RIGHTS OF CANADA, DEPARTMENT OF NATURAL RESOURCES (2004). ALL RIGHTS RESERVED.
2. COORDINATE GRID IS SHOWN IN UTM NAD83 ZONE 17 AND IS IN METRES.
3. BODIES OF WATER ARE SHOWN IN WHITE.

SCALE 1,000 500 0 1,000 2,000 3,000 4,000 5,000 m

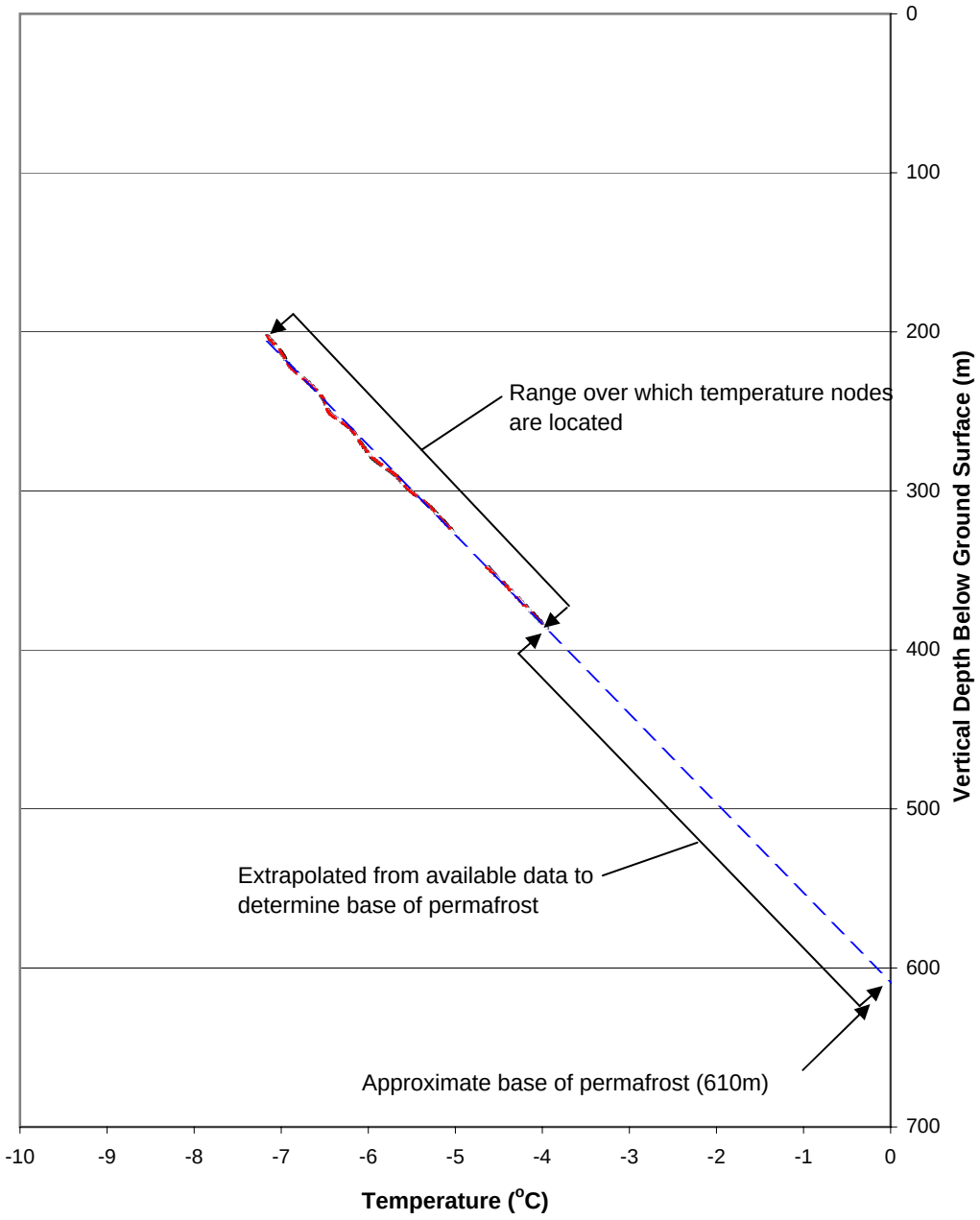
BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

SURFICIAL GEOLOGY IN THE MARY RIVER AREA

Knight Piésold CONSULTING

P/A NO.	REF. NO.
NB102-181/29	1
FIGURE 3.3	REV 0



Notes:

1. DATA READINGS FROM AUGUST 25 - SEPTEMBER 25, 2007.
2. THERMISTOR READINGS WERE RECORDED BETWEEN DEPTH OF APPROXIMATELY 200 M AND 400 M BELOW THE GROUND SURFACE. TEMPERATURES ARE INTERPOLATED TO 610 M BELOW GROUND SURFACE.

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

DEEP THERMISTOR TEMPERATURE RESULTS

Knight Piésold CONSULTING

P/A NO.	REF.	REV.
NB102-181/29	1	0

FIGURE 3.4

7917494 N
7916250 N
7915000 N
7913750 N
7912500 N
7911250 N
558750 E
560000 E
561250 E
562500 E
563750 E
565000 E

DEPOSIT NO. 1 MINING LEASE 2484

GENERAL NOTE
- WHERE APPROPRIATE, MATERIALS TO BE DISPOSED OF IN THE MARY RIVER LANDFILL WILL BE DRAINED TO REMOVE ANY POTENTIAL CONTAMINANTS OR HAZARDOUS MATERIALS
- NON-HAZARDOUS WASTE FOR DISPOSAL WILL BE TRUCKED TO THE MARY RIVER LANDFILL
- HAZARDOUS WASTE CONTAINED AND SEALIFTED FROM SITE TO A LICENSED WASTE DISPOSAL FACILITY

PROPOSED OPEN PIT OUTLINE
WEATHERED ORE STOCKPILE
HAUL ROAD
BULK SAMPLE PIT
DEPOSIT NOS. 2, 3 AND 3B MINING LEASE 2485

SEA CONTAINERS
- DECOMMISSION AND USE TO TRANSFER MATERIAL OFF SITE WERE REQUIRED.
- REMOVE AND/OR DEMOLISH BY HAND AND/OR WITH HEAVY EQUIPMENT AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL IF NOT REQUIRED TO TRANSFER MATERIAL OFF SITE

HAZARDOUS WASTE CONTAINMENT BERM
STORAGE AREA
BARRELED FUEL LINED CONTAINMENT
SEALIFT LAYDOWN AREA
CAMP LAKE
HELIPAD
EXISTING POLISHING WASTE STABILIZATION PONDS (PWSPs)
HTO CABIN
REFER TO FIGURE 8.2
MILNE INLET TOTE ROAD

CRUSHER AND STOCKPILE PAD
- REGRADE SURFACE TO PROVIDE DRAINAGE AND SIDE SLOPES TO 3H:1V OR FLATTER
- COVER IN 0.3 m OF LOCALLY AVAILABLE BORROW MATERIAL

WESTERN BOUNDARY OF BAFFINLAND NTI MOU - EXPLORATION LANDS
ROCK QUARRY NO. 2
SHEARDOWN LAKE

INCINERATOR
- DRAIN TO REMOVE ANY POTENTIAL CONTAMINANTS OR HAZARDOUS MATERIALS
- REMOVE AND/OR DEMOLISH BY HAND AND/OR WITH HEAVY EQUIPMENT AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL

WASTE WATER TREATMENT FACILITY
- DECOMMISSION SEWAGE TREATMENT PLANT IN ACCORDANCE WITH MANUFACTURER PROCEDURES/RECOMMENDATIONS
- DECOMMISSION CONCRETE SEWAGE TANKS
- SEND ANY REMAINING SEWAGE OR SLUDGE TO THE POLISHING/WASTE STORAGE POND
- DISPOSE OF PLANTS AND CONCRETE TANKS IN THE MARY RIVER LANDFILL

EXPLOSIVES MAGAZINES AREA
- REMOVE MAGAZINES AND TRANSPORT TO MILNE INLET FOR REMOVAL FROM SITE
- GRADE TO EXISTING NATURAL CONTOURS

LANDFILL
- BAFFINLAND EXISTING LANDFILL OPERATIONS MANUAL CONTAINS DETAILED OPERATING AND CLOSURE STANDARDS TO BE FOLLOWED
- CONTINUE TO OPERATE LANDFILL SITE UNTIL CAMP DECOMMISSIONING IS COMPLETE
- PLACE 1.5 M THICK FINAL CLOSURE SOIL COVER OVER ENTIRE SURFACE OF LANDFILL
- NOMINAL COMPACTION OF COVER WITH BULLDOZER AND CONTOURED TO SHED PRECIPITATION FROM THE SURFACE

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

NOTES:
1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. MINE SITE INFORMATION PROVIDED BY GENIVAR DECEMBER 9, 2008.

SCALE 250 125 0 250 500 750 1000 1250 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

RECLAMATION MEASURES MARY RIVER AREA

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.1 REV 0

557 000 E
557 500 E
558 000 E
558 500 E
559 000 E
559 500 E
N
7 915 000 N
7 914 500 N
7 914 000 N
7 913 500 N
7 913 000 N

ACCESS ROAD TO CAMP LAKE
- BERMS ACROSS ACCESS ROAD TO CAMP LAKE TO PREVENT RUNOFF FROM FLOWING DOWN ROAD
- APPLY COBBLES FOR EROSION PREVENTION AS REQUIRED

PUMP HOUSE
- DECOMMISSION PUMP HOUSE AND EQUIPMENT AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL

LAYDOWN AREA, STORAGE AREA
- CLEAN AREA UP OF COARSE AND RESIDUAL FINE WASTE PRODUCTS
- GRADE TO EXISTING NATURAL CONTOURS

ORIGINAL TENT CAMP, WEATHERHAVEN CAMP, GARAGE AND OTHER TEMPORARY BUILDINGS
- REMOVE AND/OR DEMOLISH BY HAND AND/OR WITH HEAVY EQUIPMENT AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL
- CLEAN AREA UP OF COARSE AND RESIDUAL FINE WASTE PRODUCTS
- GRADE TO EXISTING NATURAL CONTOURS

AIRSTRIP
- AIRSTRIP WILL REMAIN
- REMOVE ALL ELECTRICAL CABLES AND LIGHTS AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL
- BACKFILL AIRSTRIP LIGHTING DITCHES

MAIN CAMP GENERATORS
- DECOMMISSION AND PREPARE FOR SHIPMENT OFF SITE

SEWAGE DISCHARGE PIPELINE
- DECOMMISSION SEWAGE DISCHARGE PIPELINE
- SEND ANY REMAINING SEWAGE OR SLUDGE TO THE POLISHING/WASTE STORAGE POND
- DISPOSE OF PIPE AND ASSOCIATED STRUCTURES IN THE MARY RIVER LANDFILL

BULK FUEL LOAD OUT AREA, LINED STORAGE AREAS, FUEL STORAGE, FUEL FARM, HAZARDOUS WASTE BERM
- DRUMS OF FUEL WILL BE CONSOLIDATED, INSPECTED AND SECURELY SEALED
- OPEN DRUMS OF DIESEL, OFF-SPECIFICATION FUEL AND WASTE OIL WILL BE HANDLED AS HAZARDOUS WASTE AND SHIPPED TO REGISTERED HAZARDOUS WASTE DISPOSAL FACILITIES
- SEALED FUEL DRUMS WILL BE REMOVED FROM SITE
- EMPTY FUEL DRUMS WILL BE CRUSHED OR, IF SUITABLE FOR REUSE LEFT INTACT AND SEALIFTED OFF-SITE
- FUEL BLADDERS AND ASSOCIATED PIPING WILL BE DRAINED, PLACED IN CONTAINERS AND LOADED ONTO SEALIFT FOR DISPOSAL AT A LICENSED FACILITY.
- ANY FUEL REMAINING IN BLADDERS WILL BE REMOVED FROM SITE BY BULK FUEL CARRIER
- PETROLEUM RESISTANT GEOMEMBRANE LINERS SENT OFF-SITE FOR DISPOSAL AT LICENSED FACILITY
- TEST BEDDING MATERIAL ABOVE AND BELOW THE LINER FOR PETROLEUM HYDROCARBONS BEFORE BEING REMOVED
- DISPOSAL OF CONTAMINATED SOILS IS DESCRIBED IN SECTION 8.11 OF THE TEXT
- RECONTOUR AND REGRADE AREAS TO APPROXIMATE THE SURROUNDING TOPOGRAPHY AS CLOSELY AS POSSIBLE

POLISHING/WASTE STABILIZATION POND
- DECANT PONDS AND ALLOW SOLIDS TO DRY
- CONFIRM SOLIDS ARE NON-HAZARDOUS
- EITHER BURRY SOLIDS IN-SITU OR DISPOSE OF AT THE ON-SITE LANDFILL
- REMOVE LINERS
- RECONTOUR AND REGRADE AREAS TO APPROXIMATE THE SURROUNDING TOPOGRAPHY AS CLOSELY AS POSSIBLE

HTO CABIN

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

NOTES:
1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. MINE SITE INFORMATION PROVIDED BY GENIVAR DECEMBER 9, 2008.

SCALE 100 50 0 100 200 300 400 500 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

RECLAMATION MEASURES MARY RIVER CAMP

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.2 REV 0

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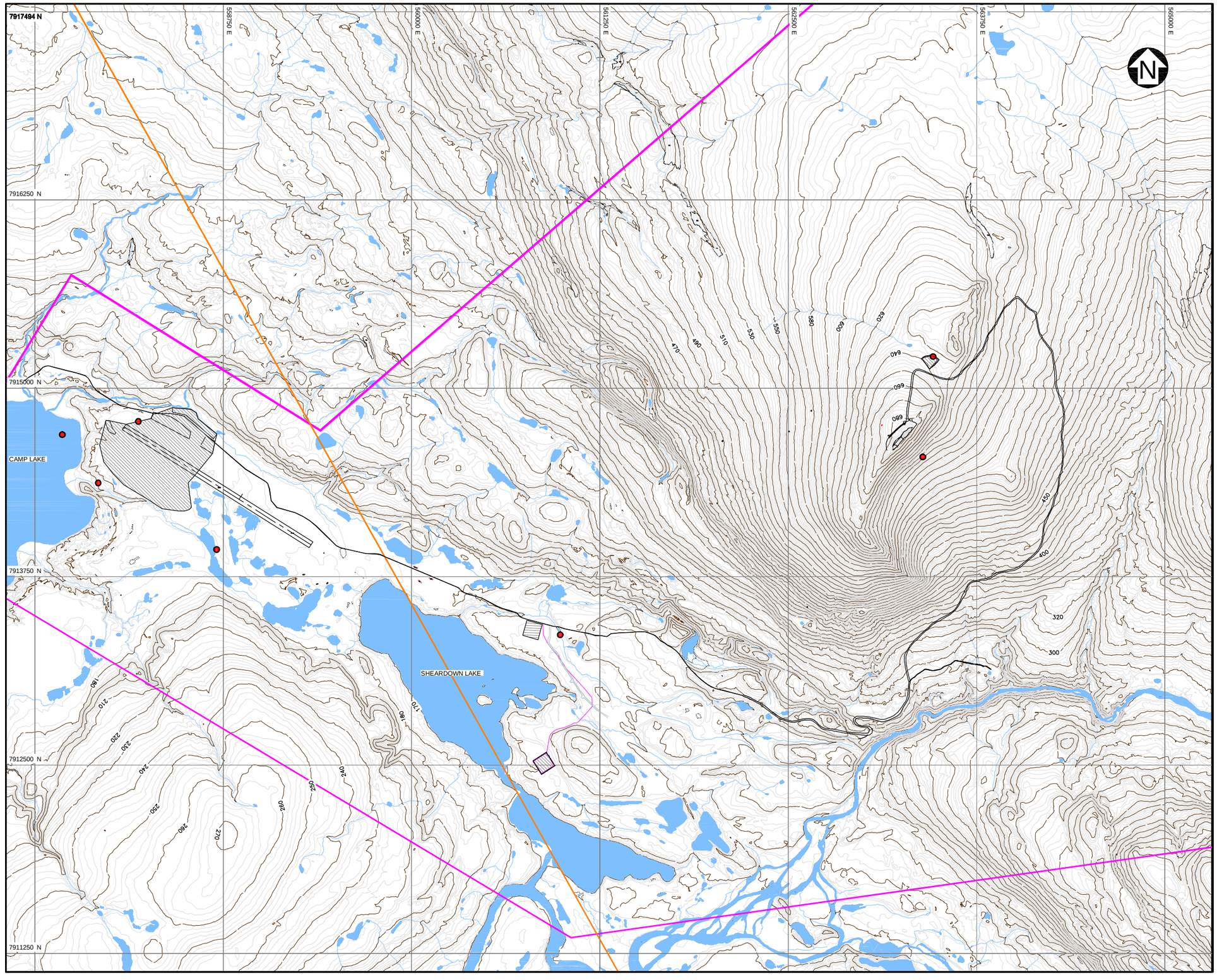

LEGEND:

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

NOTES:

1. COORDINATE GRID IS UTM (NAD83) ZONE 17 AND IS IN METRES.
2. CONTOUR INTERVAL IS 10 METRES.
3. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
4. MINE SITE INFORMATION PROVIDED BY GENIVAR DECEMBER 9, 2008.

SCALE 250 125 0 250 500 750 1000 1250 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

POST RECLAMATION
MARY RIVER AREA

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.3 REV 0

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502 500 E
503 000 E
503 500 E
504 000 E
504 500 E
505 000 E
7 976 500 N
7 976 000 N
7 975 500 N

MILNE INLET

GENERAL NOTE
- WHERE APPROPRIATE, MATERIALS TO BE DISPOSED OF IN THE MARY RIVER LANDFILL WILL BE DRAINED TO REMOVE ANY POTENTIAL CONTAMINANTS OR HAZARDOUS MATERIALS
- NON-HAZARDOUS WASTE FOR DISPOSAL WILL BE TRUCKED TO THE MARY RIVER LANDFILL
- HAZARDOUS WASTE CONTAINED AND SEALIFTED FROM SITE TO A LICENSED WASTE DISPOSAL FACILITY

EFFLUENT DISCHARGE LOCATION TO RECEIVING ENVIRONMENT

ORE PAD AND RESIDUAL ORE
- REGRADE SURFACE TO PROVIDE DRAINAGE AND SIDE SLOPES OF 3H:1V OR FLATTER
- COVER IN 0.3 M OF LOCALLY AVAILABLE BORROW MATERIAL

EXISTING CABIN

POLISHING/WASTE STABILIZATION POND
- DECANT PONDS AND ALLOW SOLIDS TO DRY
- CONFIRM SOLIDS ARE NON-HAZARDOUS
- EITHER BURRY SOLIDS IN-SITU OR DISPOSE OF AT THE ON-SITE LANDFILL
- REMOVE LINERS
- RECONTOUR AND REGRADE AREAS TO APPROXIMATE THE SURROUNDING TOPOGRAPHY AS CLOSELY AS POSSIBLE

LAYDOWN AREA
- CLEAN AREA UP OF COARSE AND RESIDUAL FINE WASTE PRODUCTS
- GRADE TO EXISTING NATURAL CONTOURS

BULK FUEL LOAD OUT AREA, LINED STORAGE AREAS, FUEL STORAGE, FUEL FARM, HAZARDOUS WASTE BERM
- DRUMS OF FUEL WILL BE CONSOLIDATED, INSPECTED AND SECURELY SEALED
- OPEN DRUMS OF DIESEL, OFF_SPECIFICATION FUEL AND WASTE OIL WILL BE HANDLED AS HAZARDOUS WASTE AND SHIPPED TO REGISTERED HAZARDOUS WASTE DISPOSAL FACILITIES
- SEALED FUEL DRUMS WILL BE REMOVED FROM SITE
- EMPTY FUEL DRUMS WILL BE CRUSHED OR, IF SUITABLE FOR REUSE LEFT INTACT AND SEALIFTED OFF-SITE
- FUEL BLADDERS AND ASSOCIATED PIPING WILL BE DRAINED, PLACED IN CONTAINERS AND LOADED ONTO SEALIFT FOR DISPOSAL AT A LICENSED FACILITY.
- ANY FUEL REMAINING IN BLADDERS WILL BE REMOVED FROM SITE BY BULK FUEL CARRIER
- PETROLEUM RESISTANT GEOMEMBRANE LINERS SENT OFF-SITE FOR DISPOSAL AT LICENSED FACILITY
- TEST BEDDING MATERIAL ABOVE AND BELOW THE LINER FOR PETROLEUM HYDROCARBONS BEFORE BEING REMOVED
- DISPOSAL OF CONTAMINATED SOILS IS DESCRIBED IN SECTION 8.11 OF THE TEXT
- RECONTOUR AND REGRADE AREAS TO APPROXIMATE THE SURROUNDING TOPOGRAPHY AS CLOSELY AS POSSIBLE

INCINERATOR
- DRAIN TO REMOVE ANY POTENTIAL CONTAMINANTS OR HAZARDOUS MATERIALS
- REMOVE AND/OR DEMOLISH BY HAND AND/OR WITH HEAVY EQUIPMENT AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL

FUEL STORAGE
FUEL FARM
HAZARDOUS WASTE BERM
LINED STORAGE AREA
BULK FUEL LOAD OUT AREA
OWS AREA

TENT CAMP, GARAGE
- REMOVE AND/OR DEMOLISH BY HAND AND/OR WITH HEAVY EQUIPMENT AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL
- CLEAN AREA UP OF COARSE AND RESIDUAL FINE WASTE PRODUCTS
- GRADE TO EXISTING NATURAL CONTOURS

LINED STORAGE
GARAGE
LAYDOWN AREA

WASTE WATER TREATMENT FACILITY
- DECOMMISSION SEWAGE TREATMENT PLANT IN ACCORDANCE WITH MANUFACTURER PROCEDURES/RECOMMENDATIONS
- SEND ANY REMAINING SEWAGE OR SLUDGE TO THE POLISHING/WASTE STORAGE POND
- WASTE WATER TREATMENT PLANT IS OWNED BY A SITE CONTRACTOR AND IS TO BE SHIPPED OFF SITE

AIRSTRIP
- AIRSTRIP WILL REMAIN
- REMOVE ALL ELECTRICAL CABLES AND LIGHTS AND DISPOSE OF WITHIN THE MARY RIVER LANDFILL
- BACKFILL DITCHES

TRAILER CAMP
- HARD WALLED TRAILER CAMP IS OWNED BY A SITE CONTRACTOR AND IS TO BE SHIPPED OFF SITE

MILNE INLET TOTE ROAD
ROCK QUARRY NO. 1

OPEN BURN PIT AREA
- CLEAN UP AREA TO REMOVE ANY REMAINING WASTE PRODUCTS
- GRADE TO EXISTING NATURAL CONTOURS

BORROW PITS
BORROW SOURCE NO. 1

25
75
100

N

LEGEND:
- WATER
- WETLAND
- LAYDOWN AREA
- BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
- RIVER/STREAM/DRAINAGE
- DIRECTION OF SURFACE WATER RUNOFF
- MILNE INLET TOTE ROAD
- ROAD
- EXISTING ROCK QUARRY (IOL COMMERCIAL LEASE)
- EXISTING BORROW AREA (IOL COMMERCIAL LEASE)

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

SCALE 100 50 0 100 200 300 400 500 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

RECLAMATION MEASURES MILNE INLET

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.4 REV 0

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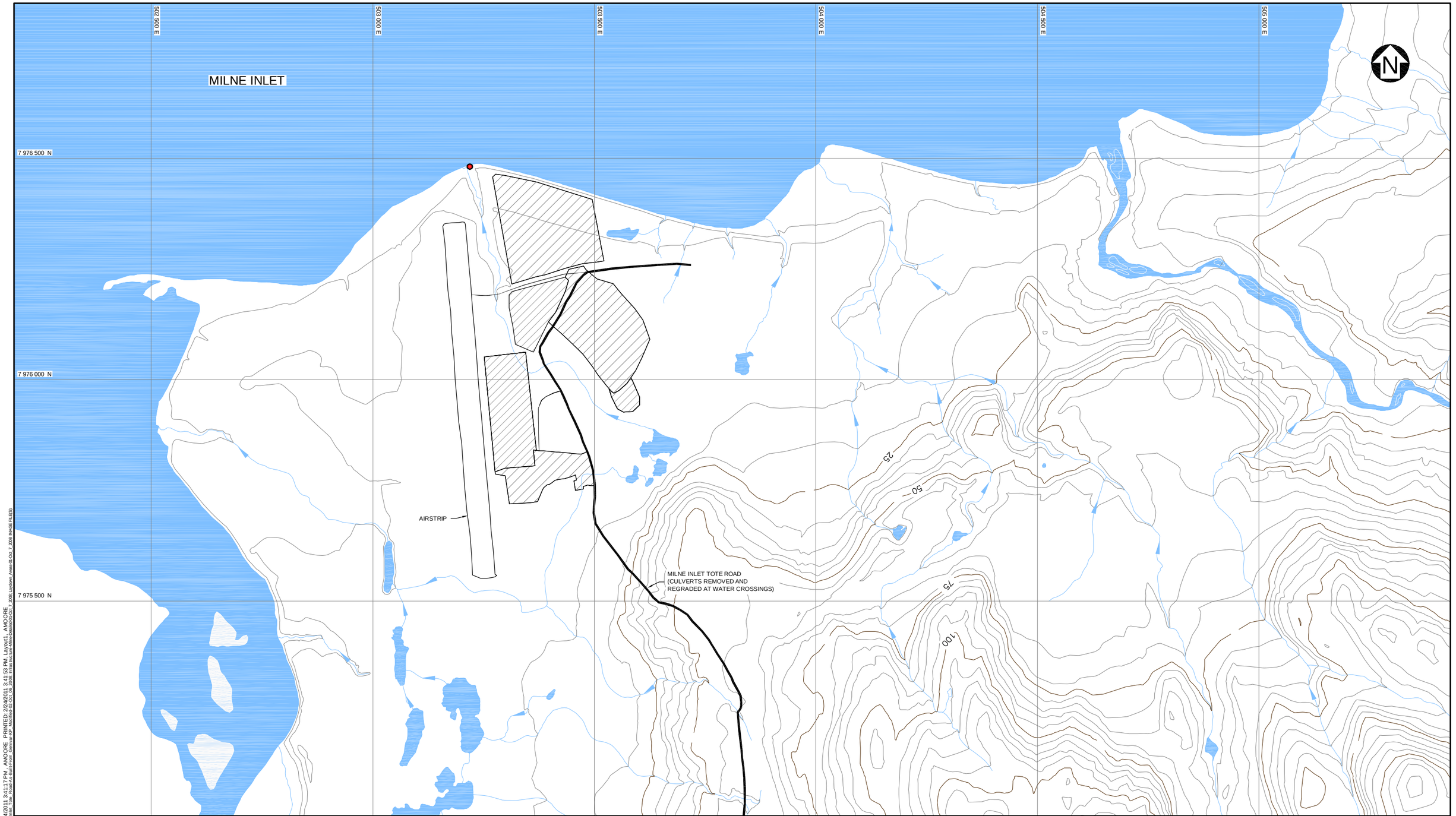


LEGEND:

- WATER
- WETLAND
- REGRADED AREA
- RIVER/STREAM/DRAINAGE
- DIRECTION OF SURFACE WATER RUNOFF
- MILNE INLET TOTE ROAD
- ROAD
- SURFACE WATER SAMPLE LOCATION

NOTES:

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

SCALE 100 50 0 100 200 300 400 500 m

BAFFINLAND IRON MINES CORPORATION

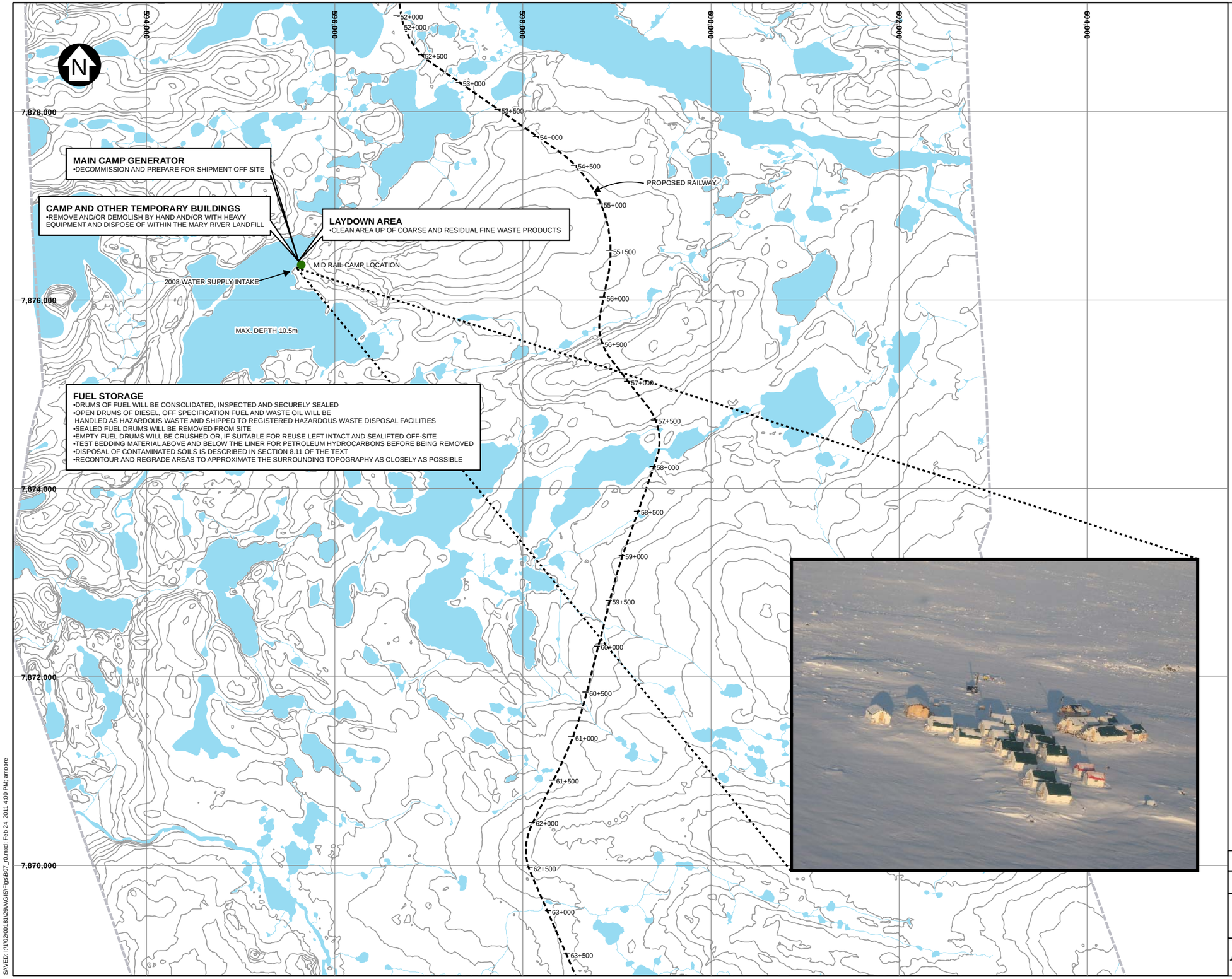
MARY RIVER PROJECT

POST RECLAMATION
MILNE INLET

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.5 REV 0



LEGEND:

- WATER
- RIVER/STREAM/DRAINAGE
- PROPOSED RAILWAY
- EXISTING CAMP (CAMP NOT OCCUPIED DURING 2010 AND 2011)

NOTES:

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOUR INVTERVAL IS IN METRES. CONTOUR INTERVAL IS 2.5 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CAINARAIL CONSULTANTS INC.

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

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

RECLAMATION MEASURES
MID RAIL CAMP

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.6 REV 0

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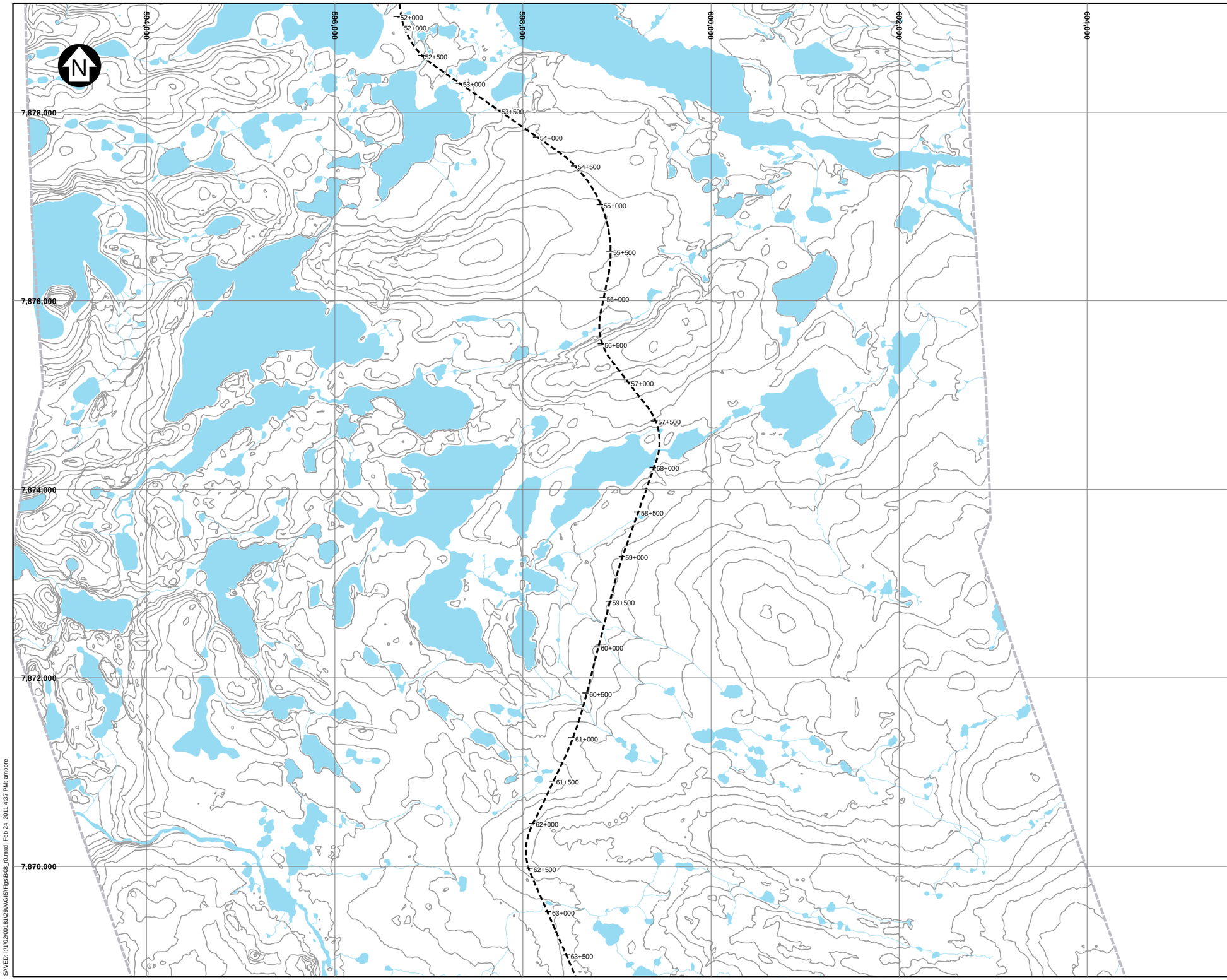

LEGEND:

- WATER
- RIVER/STREAM/DRAINAGE
- PROPOSED RAILWAY

NOTES:

1. TOPOGRAPHY PROVIDED BY EAGLE MAPPING (2005).
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOUR INVTERVAL IS IN METRES. CONTOUR INTERVAL IS 2.5 METRES.
4. PROPOSED RAIL ALIGNMENT PROVIDED BY CAINARAIL CONSULTANTS INC.

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

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

POST RECLAMATION
MID RAIL CAMP

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.7 REV 0

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N

594 500 E
595 000 E
595 500 E
596 000 E
596 500 E
597 000 E

801 000 N
800 500 N
7 800 000 N
7 799 500 N
7 799 000 N

MAIN CAMP GENERATORS
- DECOMMISSION AND PREPARE FOR SHIPMENT OFF SITE

INCINERATOR
- DRAIN TO REMOVE ANY POTENTIAL CONTAMINANTS OR HAZARDOUS MATERIALS
- REMOVE AND/OR DEMOLISH BY HAND AND/OR WITH HEAVY EQUIPMENT AND SEALIFT OFF-SITE FOR DISPOSAL

CAMP AND OTHER TEMPORARY BUILDINGS
- REMOVE AND/OR DEMOLISH BY HAND AND/OR WITH HEAVY EQUIPMENT AND SEALIFT OFF-SITE FOR DISPOSAL

FUEL STORAGE
- DRUMS OF FUEL WILL BE CONSOLIDATED, INSPECTED AND SECURELY SEALED
- OPEN DRUMS OF DIESEL, OFF-SPECIFICATION FUEL AND WASTE OIL WILL BE HANDLED AS HAZARDOUS WASTE AND SHIPPED TO REGISTERED HAZARDOUS WASTE DISPOSAL FACILITIES
- SEALED FUEL DRUMS WILL BE REMOVED FROM SITE
- EMPTY FUEL DRUMS WILL BE CRUSHED OR, IF SUITABLE FOR REUSE LEFT INTACT AND SEALIFTED OFF-SITE
- TEST BEDDING MATERIAL ABOVE AND BELOW THE LINER FOR PETROLEUM HYDROCARBONS BEFORE BEING REMOVED
- DISPOSAL OF CONTAMINATED SOILS IS DESCRIBED IN SECTION 8.11 OF THE TEXT
- RECONTOUR AND REGRADE AREAS TO APPROXIMATE THE SURROUNDING TOPOGRAPHY AS CLOSELY AS POSSIBLE

LAYDOWN AREA
- ALL MATERIAL IN LAYDOWN AREA INCLUDING CAMP, LUMBER, RIG MATTS, ETC REQUIRES NO PACKAGING AND IS READY FOR SEALIFT PICK UP
- CLEAN AREA UP OF COARSE AND RESIDUAL FINE WASTE PRODUCTS
- GRADE TO EXISTING NATURAL CONTOURS

WATERLINE (APPROXIMATE)

WATERLINE
- DECOMMISSION WATER PIPELINE
- SEALIFT OFF-SITE FOR DISPOSAL

3 Km LAKE WATER SOURCE

STEENSBY INLET

LEGEND:

WATER

RIVER/STREAM/DRAINAGE

WETLAND

NOTES:

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

SCALE 250 12.5 0 250 500 750 1000 1250

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

RECLAMATION MEASURES
STEENSBY INLET

Knight Piésold CONSULTING

P/A NO. NB102-181/29 | REF NO. 1

FIGURE 8.8 | REV 0

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LEGEND:

- WATER
- REGRADED AREA
- RIVER/STREAM/DRAINAGE
- WETLAND

NOTES:

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

SCALE 250 12.5 0 250 500 750 1000 1250

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

POST RECLAMATION
STEENSBY INLET

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.9 REV 0

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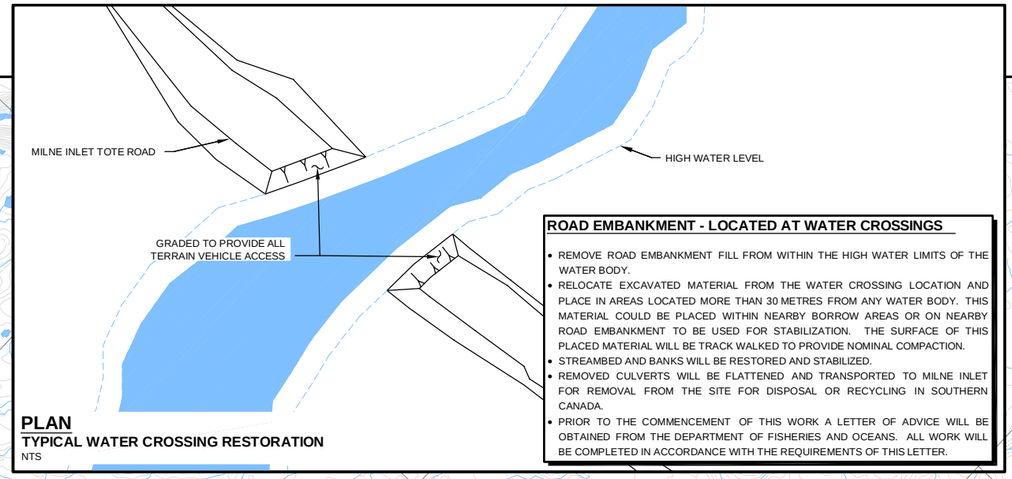
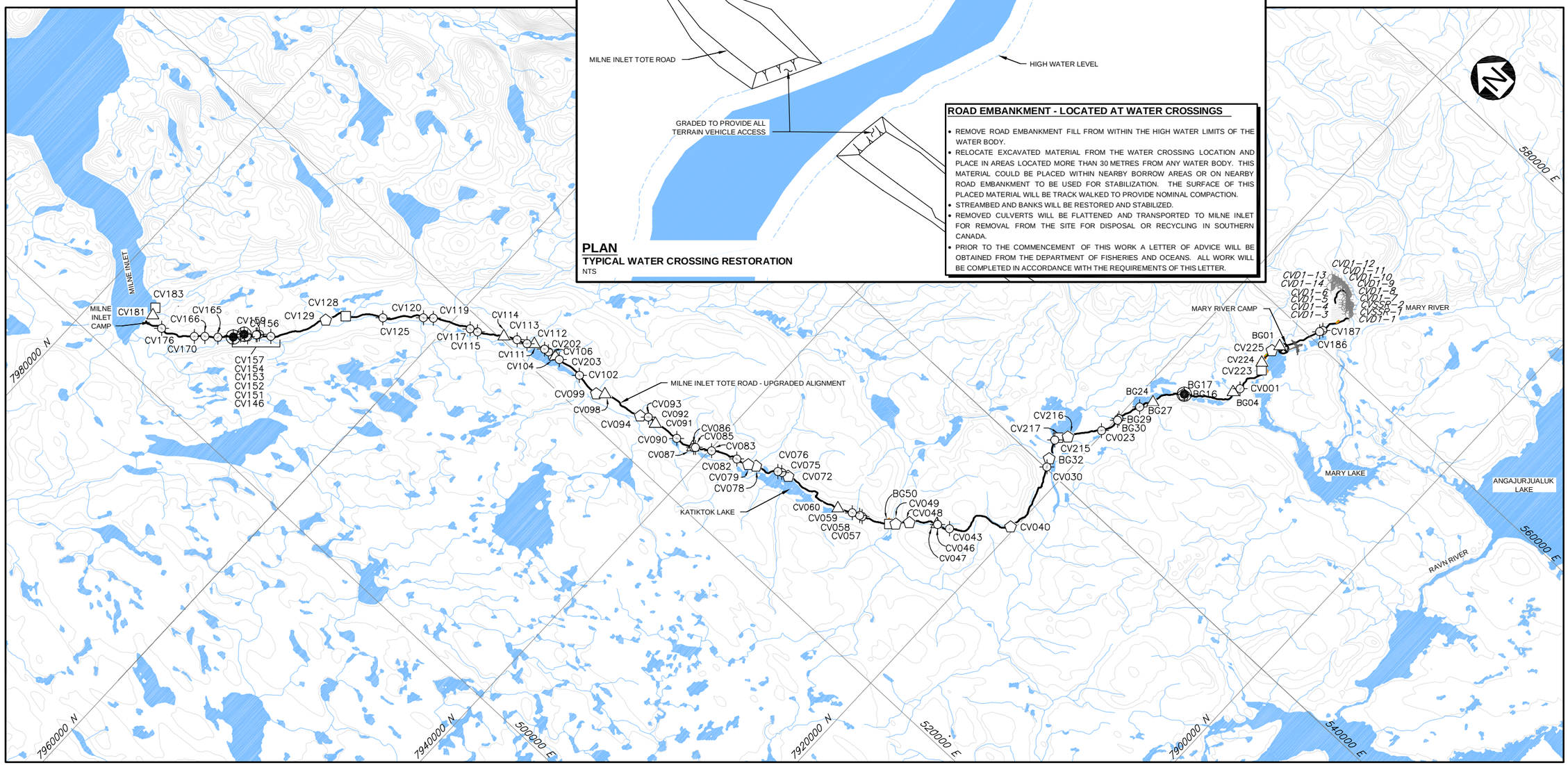


PLAN
TYPICAL WATER CROSSING RESTORATION
NTS

ROAD EMBANKMENT - LOCATED AT WATER CROSSINGS

- REMOVE ROAD EMBANKMENT FILL FROM WITHIN THE HIGH WATER LIMITS OF THE WATER BODY.
- RELOCATE EXCAVATED MATERIAL FROM THE WATER CROSSING LOCATION AND PLACE IN AREAS LOCATED MORE THAN 30 METRES FROM ANY WATER BODY. THIS MATERIAL COULD BE PLACED WITHIN NEARBY BORROW AREAS OR ON NEARBY ROAD EMBANKMENT TO BE USED FOR STABILIZATION. THE SURFACE OF THIS PLACED MATERIAL WILL BE TRACK WALKED TO PROVIDE NOMINAL COMPACTION.
- STREAMBED AND BANKS WILL BE RESTORED AND STABILIZED.
- REMOVED CULVERTS WILL BE FLATTENED AND TRANSPORTED TO MILNE INLET FOR REMOVAL FROM THE SITE FOR DISPOSAL OR RECYCLING IN SOUTHERN CANADA.
- PRIOR TO THE COMMENCEMENT OF THIS WORK A LETTER OF ADVICE WILL BE OBTAINED FROM THE DEPARTMENT OF FISHERIES AND OCEANS. ALL WORK WILL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS LETTER.



LEGEND:

- WATER
- MILNE INLET TOTE ROAD - UPDATED ALIGNMENT
- AIRSTRIP
- EXPLORATION CAMP LOCATION
- CULVERT LOCATION
- EXTRA SMALL CROSSING
- SMALL CROSSING
- MEDIUM CROSSING
- LARGE CROSSING
- EXTRA LARGE CROSSING

NOTES:

1. COORDINATE GRID IS UTM (NAD83) ZONE 17.
2. BASE MAP: © HER MAJESTY THE QUEEN IN RIGHTS OF CANADA, DEPARTMENT OF NATURAL RESOURCES, (2004). ALL RIGHTS RESERVED.
3. CONTOURS ARE IN METRES. CONTOUR INTERVAL VARIES.
4. MILNE INLET TOTE ROAD ALIGNMENT SURVEY PROVIDED BY GENIVAR (SURVEY COMPLETED IN JULY 2008).
5. NOT FOR CONSTRUCTION.

SCALE A 3 1.5 0 5 10 15 km

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

MILNE INLET TOTE ROAD
WATER CROSSING RESTORATION

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.10 REV 0

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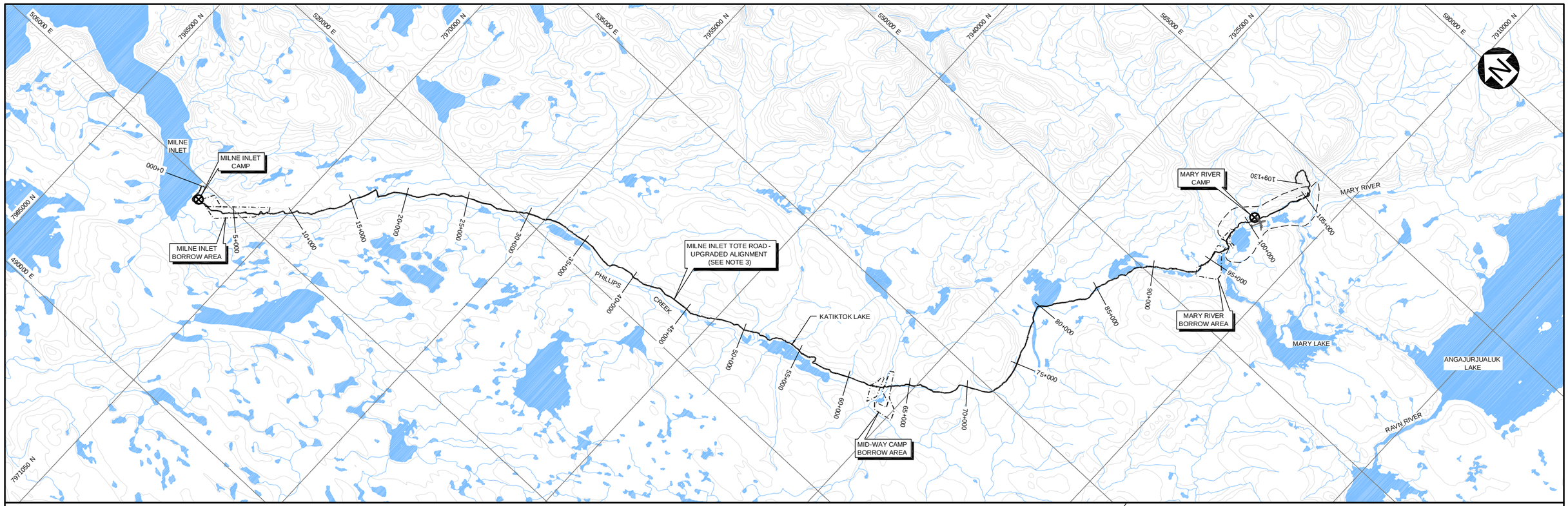
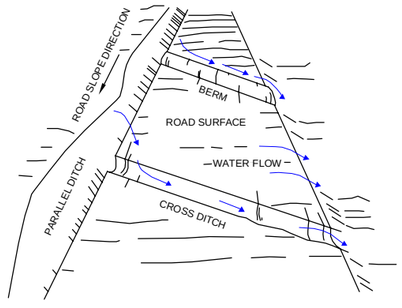
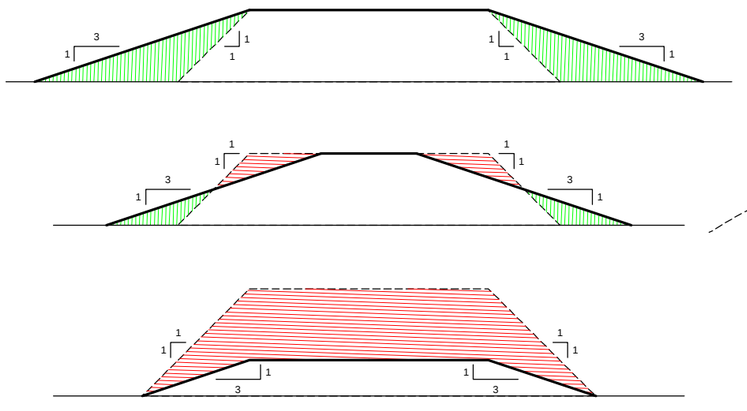
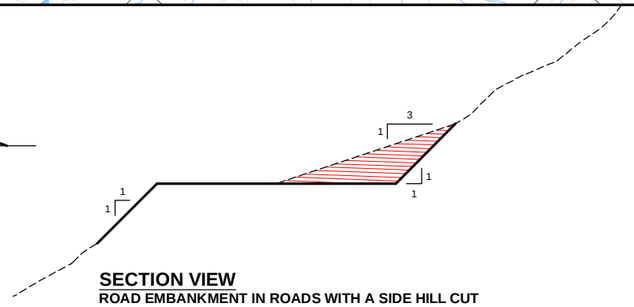




PERSPECTIVE VIEW
WATER BAR DETAILS
NTS



SECTION VIEW
ROAD ALIGNMENT
NTS



SECTION VIEW
ROAD EMBANKMENT IN ROADS WITH A SIDE HILL CUT
NTS

LEGEND:
- WATER
- MILNE FACILITIES AREA
- CUT
- FILL
- BORROW AREA
- MILNE INLET TOTE ROAD - AS CONSTRUCTED ALIGNMENT
- AIRSTRIP
- EXPLORATION CAMP LOCATION

NOTES:
1. COORDINATE GRID IS UTM (NAD83) ZONE 17.
2. MAPPING IS FROM NATURAL RESOURCES CANADA NATIONAL TOPOGRAPHIC DATA BASE 1:250000 AND PROVIDED BY BAFFINLAND IRON MINES CORPORATION.
3. MILNE INLET TOTE ROAD ALIGNMENT SURVEY PROVIDED BY GENIVAR (SURVEY COMPLETED IN JULY 2008).

SCALE A: 3 1.5 0 5 10 15 km

ROAD EMBANKMENT
- REVIEW ROAD EMBANKMENT TO ENSURE THAT IT IS IN A STABLE CONDITION.
- ALL OTHER AREAS OF ROAD IN STABLE CONDITION WILL BE LEFT INTACT.
- AREAS OF INSTABILITY WILL BE MANAGED AS FOLLOWS.
- ROAD EMBANKMENTS WITH AREAS OF INSTABILITY WILL HAVE THE SIDE SLOPES REGRADED TO 3H:1V.
- IN AREAS OF SIGNIFICANT EMBANKMENT CONSTRUCTION THE SURFACE OF THE ROAD EMBANKMENT MAY NEED TO BE REDUCED TO PROVIDE 3H:1V SIDE SLOPES WHILE MAINTAINING ALL-TERRAIN VEHICLE ACCESS.
- REGRADED SLOPES WILL BE TRACKED WALKED PERPENDICULAR TO THE ROAD ALIGNMENT TO TRAP FINES IN THE TRACK MARKS AND DISSIPATE ENERGY FROM RUNOFF.
- IN AREAS OF HIGH EROSION POTENTIAL WHERE SLOPE AND GRADE CONTROLS ARE INADEQUATE FOR EROSION CONTROL DISSIPATION WILL BE ACHIEVED BY STRATEGIC USE OF COBBLES AND BOULDERS TO DISSIPATE ENERGY.

ROAD EMBANKMENT IN AREAS WITH A SIDE-HILL CUT
- REVIEW CUT SLOPE FOR SIGNS OF INSTABILITY OR THAW SUSCEPTIBILITY.
- IF UNSTABLE OR THAW SUSCEPTIBLE CONDITIONS ARE NOTED THE SLOPE SHOULD BE BACKFILLED TO FORM A REGRADED SLOPE OF APPROXIMATELY 3H:1V.
- AREAS OF CUT NOT SHOWING SIGNS OF INSTABILITY WILL BE LEFT INTACT.

ROAD EMBANKMENT WITH STEEP GRADE
- SECTIONS OF THE ROAD WITH STEEP GRADE WILL HAVE WATER BARS INSTALLED TO DIRECT RUNOFF FROM THE ROAD SURFACES.
- WATER BARS WILL ALSO BE INSTALLED IN AREAS WHERE SIGNIFICANT SNOW ACCUMULATION OCCURS TO DIVERT THE SNOW MELT FROM THE ROAD SURFACES.

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

ROAD UPGRADES
PLAN, SECTIONS AND DETAILS

Knight Piésold CONSULTING

P/A NO.	REF NO.
NB102-181/29	1

FIGURE 8.11 REV 0