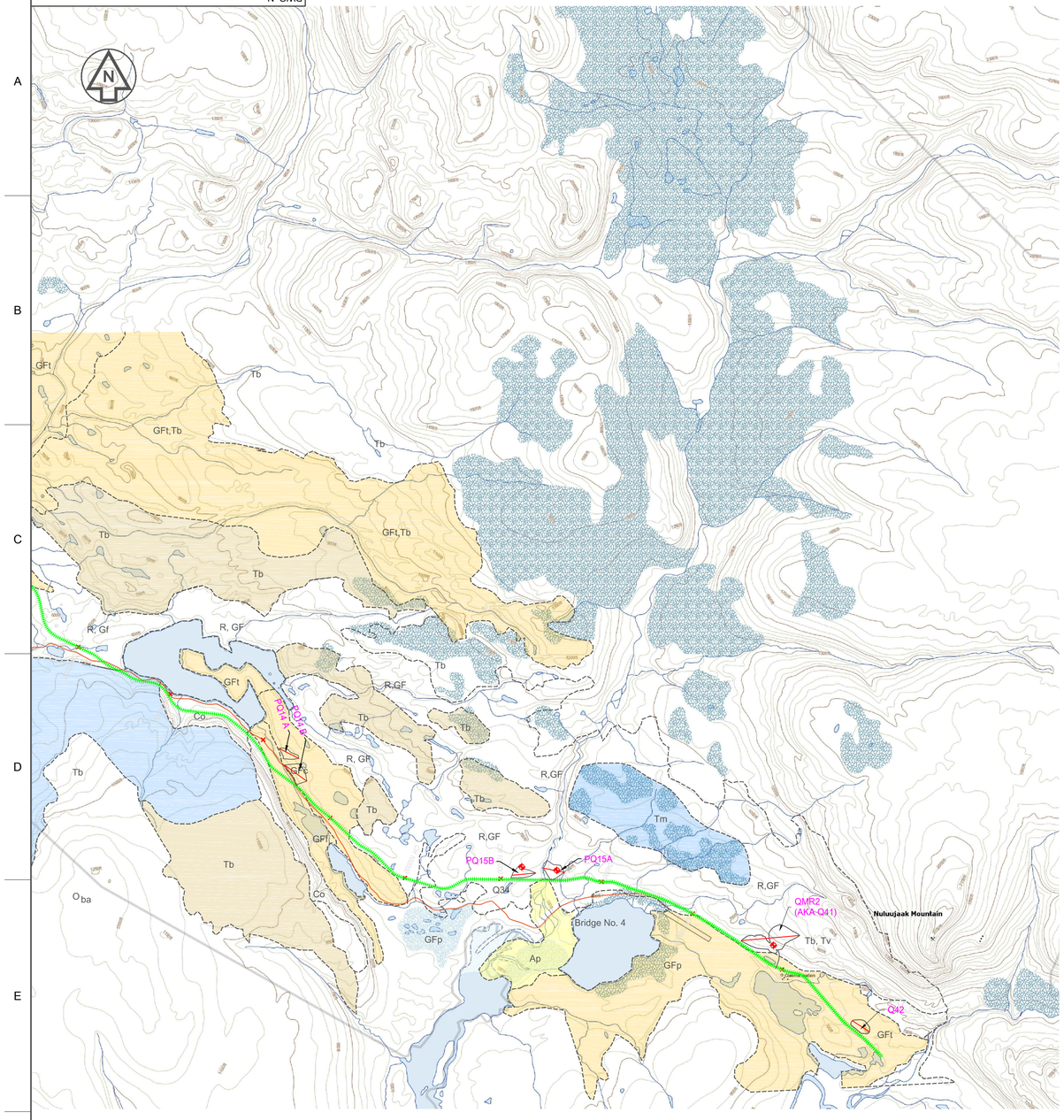
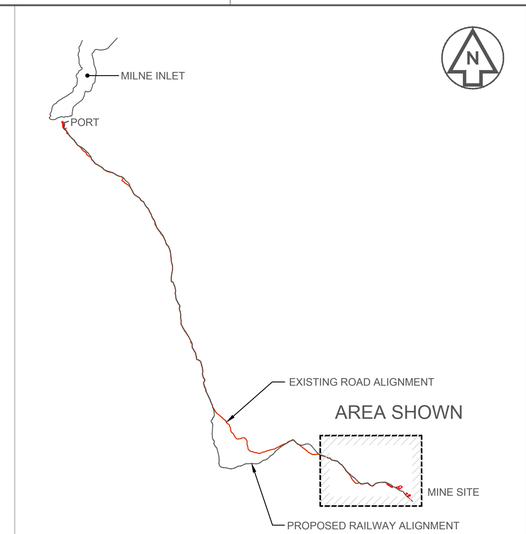
DWG. No.



NOTE:

THE TERRAIN UNITS AND BOUNDARIES SHOWN ON THIS DRAWING ARE APPROXIMATE AND ARE BASED ON THE PUBLICALLY AVAILABLE GEOLOGIC MAPS LISTED BELOW. THIS DRAWING IS INTENDED TO ILLUSTRATE GENERAL TRENDS AND IT IS SUITABLE FOR PLANNING PURPOSES FOR PREFEASIBILITY AND FEASIBILITY STUDIES. A SUITABLE GEOTECHNICAL INVESTIGATION PROGRAM SHOULD BE UNDERTAKEN IF UNCERTAINTY IN THE GROUND TYPE AND THE BOUNDARIES BETWEEN UNITS WILL AFFECT DESIGN OR CONSTRUCTION PLANNING. USE OF THIS DRAWING SHOULD TAKE INTO ACCOUNT ITS APPROXIMATE NATURE.

- LITTLE, E.C., HOLME, P.J., AND KERR, D.E., 2013. SURFICIAL GEOLOGY ICEBOUND LAKES (SOUTHWEST) BAFFIN ISLAND, NUNAVUT, GEOLOGICAL SURVEY OF CANADA MAP 74 (PRELIMINARY), SCALE 1:100,000.
- DYKE, A.S. 2000, SURFICIAL GEOLOGY PHILLIPS CREEK, BAFFIN ISLAND, NUNAVUT, GEOLOGICAL SURVEY OF CANADA, MAP 1961A, SCALE 1:250,000.



KEY PLAN

0 10 20 30 40 50 kilometres

SCALE 1:500 000

LEGEND

- SAMPLED LOCATIONS
- CHAINAGE POINT ALONG RAIL ALIGNMENT
- PROPOSED RAILWAY (March 2018)
- EXISTING TOTE ROAD
- POTENTIAL QUARRY LOCATIONS
- ICE RICH SOIL

UNIT	DESCRIPTION
R (Amg)	UNDIFFERENTIATED GNEISS AND GRANITIC ROCKS
R	SEDIMENTARY ROCK
R,GF	VENEERED ROCK: UNDULATING ROCK COVERED BY A DISCONTINUOUS VENEER OF GLACIAL FLUVIAL SAND AND GRAVEL. NUMEROUS OUTCROPS
Ap	ALLUVIAL PLANES: ACTIVE BRAIDED FLOODPLAINS; INCLUDES ACTIVE PROGLACIAL OUTWASH
Co	COLLUVIUM
Lb	DEEPWATER PROGLACIAL DEPOSITS: SILT AND CLAYEY SILT BLANKET, WITH FINE SAND WITH ICE RAFTED STONES
Md	DELTAIC SEDIMENTS: CLAY SILT, SAND AND GRAVEL
Mr	BEACH SEDIMENTS: SAND
GFt,p,f	GLACIOFLUVIAL OUTWASH: TERRACES (t), PLANES (p) AND FANS (f)
GFc	GLACIOFLUVIAL ICE CONTACT DEPOSIT: ESKER
GL	GLACIOLACUSTRINE DEPOSIT: CONTAINS MIXED SAND, AND SILT. INCLUDES BEACH DEPOSITS
Tb	TILL BLANKET: 2-10m THICK FORMING AN UNDULATING BLACKET WITH DRUMLINS AND RIBBED MORAINES IN PLACES
Tv	TILL VENER: 0.5-2m THICK; DISCONTINUOUS
Tm	GLACIAL END MORAINE: 5-60m HIGH, COMPOSED OF OR MANTLED BY TILL, EXTENSIVELY KETTLED IN PLACES; FLARE FEATURES WITH DEBRIS-RICH RELICT GLACIER ICE
	POTENTIAL QUARRY

0 1 2 3 4 5 KILOMETRES

SCALE 1:50 000 (B1 SHEET)

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No.	DESCRIPTION	BY	CHK'D	DATE
A	ISSUED WITH GEOTECHNICAL REPORT	MY	WH	2019-06-27

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	M YANG		NR
DESIGNER	M YANG		NR
CHECKER	W HOYLE		
DESIGN COORD.			
RESP. ENG.			
LEAD DISC. ENG.			
ENG. MANAGER			
PROJ. MANAGER			

DRAWING No. | DRAWING TITLE

REFERENCE DRAWINGS

REG. PROFESSIONAL

REVISIONS

DRAWING APPROVAL STATUS: Record Document

HATCH

Baffinland

BAFFINLAND EXPANSION 12 MTPA MINE OPTION
MARY RIVER EXPANSION PROJECT

BORROW SOURCE ASSESSMENT
GEOLOGICAL MAPPING
SHEET 4 OF 4

SCALE 1:50,000 OR AS NOTED | DWG. No. N/A | REV

SHEET SIZE: D

$USERNAME$
$DATE$
$FILE$
$TIME$