



TECHNICAL MEMORANDUM

DATE December 6, 2024

Reference No.
CA0036314.1956_1000_TM_01_Dec2024_Rev0

TO Jordon Marsh, Pascal Poirier
Baffinland Iron Mines

CC James Smith, Avirup Kar (WSP)

FROM Marc Rougier P.Eng

EMAIL marc.rougier@wsp.com

AUGUST 2024 ANNUAL GEOMECHANICAL AND GEOTECHNICAL INSPECTION, BAFFINLAND IRON MINES, PIT 1 – NULUUJAAK OPEN PIT AND WASTE ROCK STORAGE FACILITIES

Routine open pit and waste dump geotechnical site visits are carried out at the Mines Mary River operation, for safety, proactive problem solving, continuous improvement and due diligence.

This technical memorandum documents the geotechnical site visit conducted on August 28 and 29th at the Mary River open pit operation by Marc Rougier, P. Eng of WSP Canada Inc. (WSP), formerly Golder Associates Ltd, and Jordon Marsh, Technical Services. The fly-in operation, located on the northern part of Baffin Island, Nunavut, is owned and operated by Baffinland Iron Mines (BIM). This version, Rev0, supersedes Rev A and incorporates review comments from BIM.

Key Message

There are no geotechnical concerns with respect to the open pit development over the next six to eighteen months that appear to require a design or standard operating procedure change.

A key line of inquiry of the site visit was to determine if geotechnical hazards and future potential geotechnical hazards such as a ramp through thick overburden are adequately understood and that plans are in place for each hazard. The outcome of the review was positive.

While not needed now, in two to five years or more, with significant pit deepening, geotechnical instrumentation such as prisms and other tools should be added to the GCMP as a best practice.

Scope of Work

WSP were retained by Baffinland to complete a 2024 geomechanical and geotechnical site visit of the Nuluujaak open pit, waste rock dumps and stockpiles, and to provide ad-hoc geotechnical and geomechanical engineering support to the technical services team as required. The current contract is for services in 2024. The scope of work and terms and conditions for the geomechanics site visit are detailed in proposal 2024CA211956-001, dated March 19, 2024, and covered in PO No. 4500145107. WSP has a concurrent scope to provide off-site, ad-hoc geotechnical and geomechanical services to Baffinland under PO 4500145108.

The two day site visit involved technical discussions and inspection of the physical stability and performance of rock and soil slopes and review of conformance to design.

The purpose of the site visit technical discussions with Mr. Marsh and colleagues were to understand how potential geohazards are monitored and managed. This included looking ahead at potential future geohazards to the development of the open pit, with emphasis on the next six to eighteen months. A key goal of the inspection and visit and discussion is to determine the degree to which all geotechnical hazards and potential hazards are identified and adequately managed.

Previous Inspections

Past scheduled rock mechanics (geomechanical) inspections have been carried out by Golder, now WSP, Knight Piesold (KP) since 2014, with some disruptions during the Covid-19 pandemic. The most recent previous geomechanics site visit was in August 2022 by KP. A copy of this site visit report was provided to WSP during the 2024 visit. WSP also have the site visit reports from 2014, 2015 and 2019.

Methodology and Summary

The work consists of walking and visual inspection of each area combined with discussions of slope performance and the mine plan. Slope conditions are being managed appropriately. There are no risks deemed critical. Potential hazards and concerns are well-understood by the technical team and being appropriately managed. Table 1 below provides observations and recommendations for the dump and stockpiles. Table 2 provides observations and recommendations for the open pit. Selected site visit photos are presented in Appendix A, some are mentioned in the summary tables.

Table 1: Summary of Observations for Dumps and Stockpiles

Mine Area	Observations	Recommendations
Waste Rock Dump	No geotechnical concerns based on visual inspection during site visit or shared. Apparent angle of repose of lifts is 32 °. See Photos 39-45.	Continue with current visual monitoring practices. No modifications to daily and weekly procedures.
109 km Stockpile (IPN Stockpile)	No geotechnical concerns. Modest lift height. No signs of deformation on slopes (bulging, heave). Minor cracking on the top surface of 109 (elevation 630m). The stockpile is inactive. WSP believe these cracks are of no concern because they are due to minor differential settlement typical in dumps. The cracking and minor settlement would not be noticed in an active dump due to heavy traffic and regular regrading. See Photos 28-31.	Recommendation: (Low Priority) Best practice is to regrade / fill such crack, to prevent water ingress as a pro-active maintenance measure. However, given the low height of 109, not doing so will likely only produce additional settlement that can be filled and regraded if and when the dump become active. Alternatively Continue monitoring. If conditions worsen, backfill the cracks. It is common for minor cracks to develop on inactive dumps.

Table 1: Summary of Observations for Dumps and Stockpiles

Mine Area	Observations	Recommendations
105 KM Pad	Small pad, no concerns.	Continue with current visual monitoring practices. No modifications to daily and weekly procedures.
106 KM Stockpile and Pond	Viewed from a distance and top visited. No concerns.	Continue with current visual monitoring practices. No modifications to daily and weekly procedures.
110.5 km / Pit Viper laydown	No geotechnical concerns. One lift high at height of topography. See Photo 38 and others. Angle of repose of lift phase appears to be 32°.	Continue with current visual monitoring practices No modifications to daily and weekly procedures.

Table 2: Summary of Observations for Mary River Pit 1 (Nuluujaak Open pit)

Mine Area	Observations	Recommendations
Phase 2	See Photo 34 and others. Working bench is 620L.	No geotechnical concerns with initial benches. See below for discussion of overspill.
Phase 1 – upper	Working Bench is 560L. See Photo 36 and others. Overspill from Phase 2 has accumulated on Phase 1 catch-benches. Fault with gouge (Photo 25) visible. The fault orientation is kinematically favourable. The achieved bench face angles appear reasonable giving the trim/cushion blasting methods and frequent planar control.	When mining on two fronts at different elevation, overspill from the upper elevation onto lower benches is inevitable. Recommendation Should benches above workers or equipment fill with debris, creating a rock fall hazard: <ul style="list-style-type: none"> either remove the accumulated debris if possible, or step out from the design crest.
Phase 1 – lower	Working Bench is the 470L. Deepening to 450L. See Photo 52 and others. General observation – the achieved bench face angles appear reasonable giving the trim/cushion blasting methods and frequent planar control. The expected poor ground in the “Fold Nose” area is not there. This is a positive.	Continue with current visual monitoring practices No modifications to daily and weekly procedures. Recommendation Geologists confirm that Fold Nose exposures of poor ground will not occur on final walls in waste rock. Positive conditions are expected to continue with deepening in this design sector for waste rock final walls.
Future Ramp in Overburden	During the site visit we discussed that a future permanent ramp may be developed through thick overburden here. See Photos 26 and 27. The concern is that in the long term mine plan, the planned ramp geometry appears to be too steep for overburden. The proposed design appears to assume the ramp will be excavated in rock.	Recommendation Low priority given the lead time:’ <ul style="list-style-type: none"> Redesign the ramp, where it will be through overburden with overburden slope angles. Assume an angle of repose of the overburden of is 32 ° to 36 °. Document the existing overburden exposure and behaviour.

Table 2: Summary of Observations for Mary River Pit 1 (Nuluujaak Open pit)

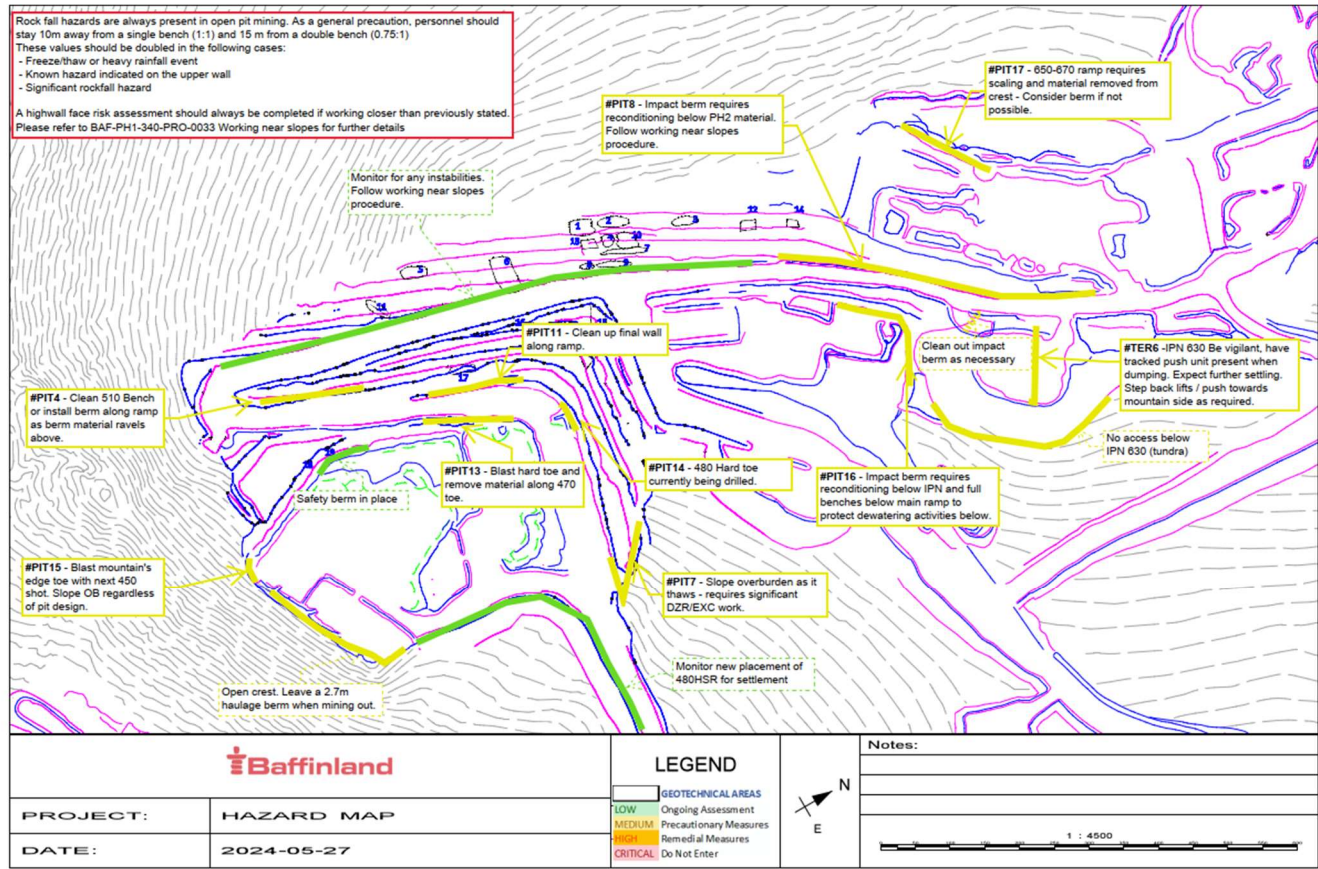
Mine Area	Observations	Recommendations
	However, review of the Phase 1 and Phase 2 pit shells provided subsequent to the site visit indicate that this possible ramp development may be well over five years in the future. This ramp development is not part of the Phase 1 or Phase 2 designs. Existing overburden slopes are sitting at 36°.	<ul style="list-style-type: none">○ Observations will help understand if a ramp in overburden will be prone to erosion.○

Review of “Pit Design Reconciliation, March 2024”

This Baffinland internal report assess benches on the 470L to 510L that were developed between October 2023 and March 2024. The work includes commentary, overburden stripping, photographs and cross-sections. The report presents areas of potential hazard and mitigations, provides recommendations for modifications to drilling, blasting and scaling and other measures. This effort at measuring results and identifying improvements is a best practice that should continue.

Review of “Baffinland Hazard Map, 2024-05-27”

Below is an example Hazard Map.



WSP note that this hazard map not only presents the hazards but also repeats general geotechnical best practices such as safe offset distance from a single and double bench (10m and 15m) respectively and “Slope OB regardless of pit design.” Per the Baffinland Ground Control Hazard Management Plan, the geotechnical hazard maps are to be updated every three weeks.

Review of the Baffinland Ground Control Management Plan Rev. 4

This document (BAF-PH1-340-P16-0002) was issued January 1, 2024, and is due for renewal January 1, 2025.

The purpose of a Ground Control Management Plan (GCMP) is to provide structures to the management of geotechnical hazards by defining roles, responsibilities, hazards, procedures and protocols. A GCMP is successful if geotechnical and potential hazards are adequately identified, monitored and that the hazards have adequate management plans. The GCMP covers the open pit and the waste dump specifically, with inclusion of recent geotechnical design information from KP 2021 and Golder 2021 for the open pit and waste dumps respectively, and notes that the stockpiles shall be managed per the waste dump protocols.

The Baffinland GCMP documents slope conformance review, which resulted in the combined of two geotechnical domains, allowing for slope steeping, KP 2021.

Comment on Monitoring

The summary observation by WSP is that Baffinland’s procedures GCMP are appropriate and suitable for the size and scale of the existing pit slopes and waste dumps. Given the slow rate of development of both open pit final walls and the waste dump, visual observations on the schedules in the GCMP are working and suitable for the geotechnical hazards and potential geotechnical hazards over the next year or more.

Monitoring is entirely visual. As the pit deepens and the dumps expand, complimentary monitoring tools may be required and would be best practice. This could include InSar for inactive areas and tools such as radar, prisms, settlement plates and inclinometers for active areas.

WSP recommends that the Baffinland review their annual or quarterly mine plans of the open pit development with purpose to identify when, at planned production rates, instrumentation to compliment visual monitoring would be important. The purpose of this risk assessment review would be to identify whether, where and when to incorporate additional instrumentation.

Closure

This Rev 0 inspection report incorporates review comments provided by Baffinland. Please let us know if anything in this document is mistaken or factually incorrect. Please contact the undersigned should you have any questions or require additional information.

Respectfully submitted,

WSP Canada Inc.



William Hoyle
Professional in training



Marc Rougier, P.Eng (L2461 NAPEG)
Principal Geotechnical Engineer

MR/WH/

Attachment 1: Appendix A – Site Inspection Photos

c:\users\gld_mrougier\downloads\ca0036314.1956_tm_001_annual_open_pit_inspection_dec2024_rev0.docx

APPENDIX A

Site Inspection Photos

Baffinland

Project: Baffinland Rock Mechanics Site Visit

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:42

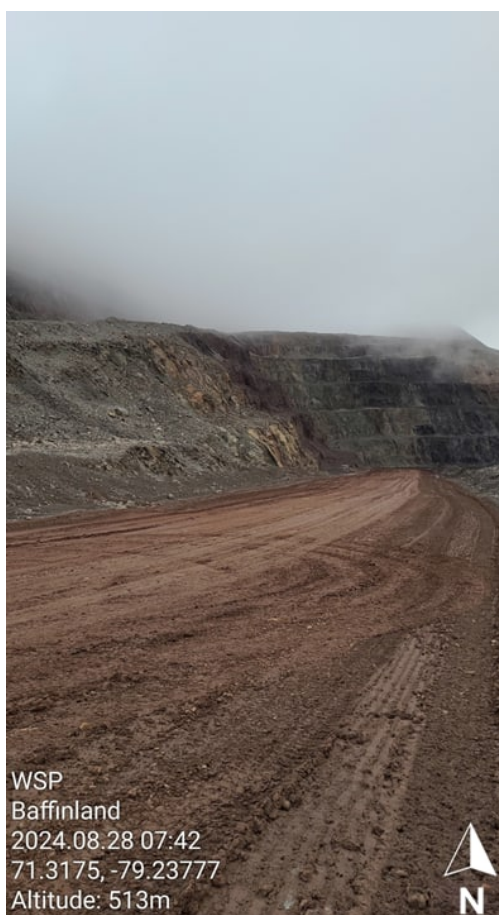
Coordinates: 71.3175, -79.23777 ($\pm 7m$)

Altitude: 513m

Direction: W

Additional notes:

Photo 1



Date & time: 2024.08.28 07:42

Coordinates: 71.3175, -79.23777 ($\pm 7m$)

Altitude: 513m

Direction: N

Additional notes:

Ramp to Phase 1

Photo 2

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:42

Coordinates: 71.3175, -79.23777 ($\pm 7\text{m}$)

Altitude: 511m

Direction: NE

Additional notes:

Photo 3



Date & time: 2024.08.28 07:42

Coordinates: 71.3175, -79.23777 ($\pm 6\text{m}$)

Altitude: 511m

Direction: NE

Additional notes:

Photo 4

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:42

Coordinates: 71.3175, -79.23779 (± 3 m)

Altitude: 508m

Direction: W

Additional notes:

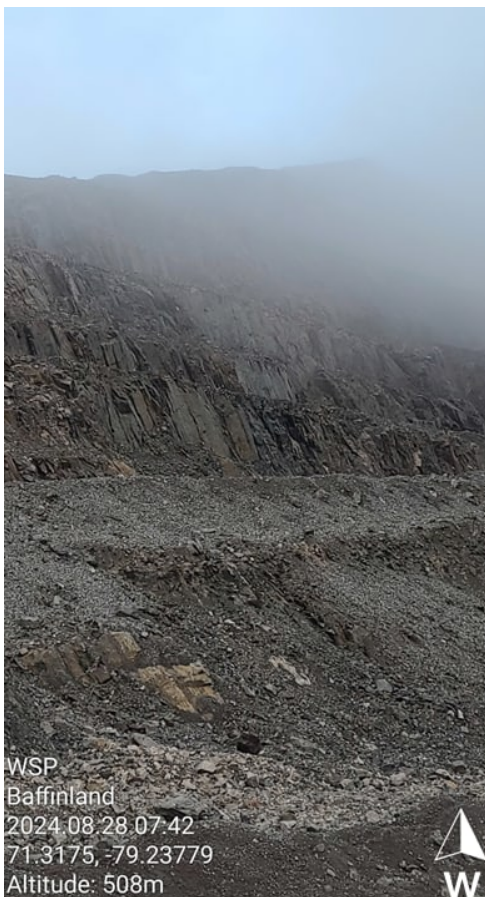
Blasting notes:

No pre-shearing.

Trim / cushion blasting.

No stab-holes, though Jordon has requested them on occasion, specific wall control blasts.

Photo 5



Date & time: 2024.08.28 07:42

Coordinates: 71.3175, -79.23779 (± 3 m)

Altitude: 508m

Direction: W

Additional notes:

Photo 6

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:43

Coordinates: 71.3175, -79.2378 ($\pm 5m$)

Altitude: 508m

Direction: S

Additional notes:

Looking North, deposit magnetism causes errors.

Photo 7



Date & time: 2024.08.28 07:43

Coordinates: 71.3175, -79.2378 ($\pm 7m$)

Altitude: 508m

Direction: NE

Additional notes:

Monitoring:
Visual.

Instrumentation:
- no prisms
- no radar
- no inclinometers.

Does Deposit 1 need prisms as a second source of information on long-term deformation?

Marc to follow-up on this. Is InSar the right option in this context? Is Baffinland already collecting InSar data incidentally?

Of what value are prisms in the short or long term, this open pit geotechnical setting?

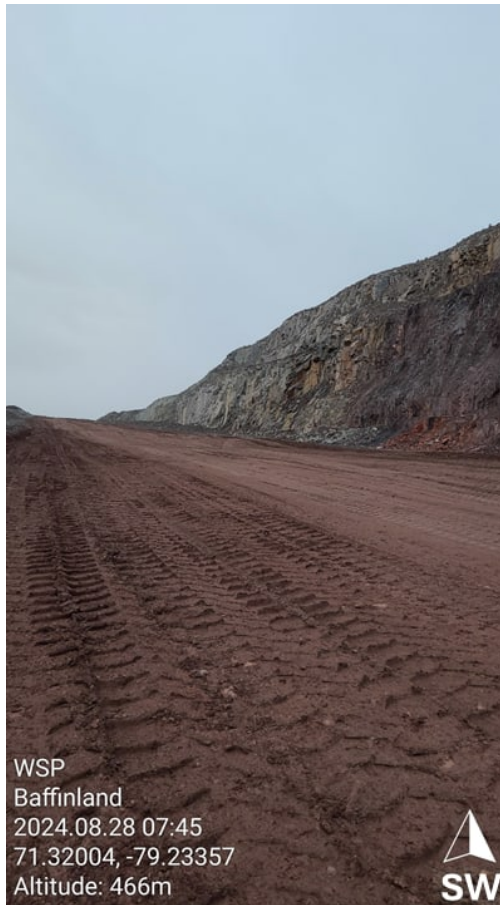
We might want inclinometers in the planned OB ramp.

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:45

Coordinates: 71.32004, -79.23357 (± 11 m)

Altitude: 466m

Direction: SW

Additional notes:

Photo 9



Date & time: 2024.08.28 07:45

Coordinates: 71.32, -79.23366 (± 9 m)

Altitude: 462m

Direction: W

Additional notes:

Photo 10

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 11

Date & time: 2024.08.28 07:45

Coordinates: 71.31998, -79.23366 (± 5 m)

Altitude: 470m

Direction: N

Additional notes:



Photo 12

Date & time: 2024.08.28 07:46

Coordinates: 71.31998, -79.23366 (± 4 m)

Altitude: 471m

Direction: NW

Additional notes:

View of ore and waste rock, Phase 1.
Footwall

Ore is darker.

One wet zone, along sub-vertical bedding, in the waste rock.

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:46

Coordinates: 71.31998, -79.23366 ($\pm 4\text{m}$)

Altitude: 471m

Direction: W

Additional notes:

Photo 13



Date & time: 2024.08.28 07:46

Coordinates: 71.31999, -79.23369 ($\pm 6\text{m}$)

Altitude: 473m

Direction: SW

Additional notes:

Photo 14

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:46

Coordinates: 71.32008, -79.23389 ($\pm 6m$)

Altitude: 475m

Direction: S

Additional notes:

Photo 15



Date & time: 2024.08.28 07:46

Coordinates: 71.3201, -79.23396 ($\pm 4m$)

Altitude: 474m

Direction: W

Additional notes:

Photo 16

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 17

Date & time: 2024.08.28 07:47

Notes: Bench loss

Coordinates: 71.3201, -79.23387 (± 6 m)

Altitude: 475m

Direction: SW

Additional notes:



Photo 18

Date & time: 2024.08.28 07:50

Notes: Looking phase 1 wall

Coordinates: 71.32049, -79.23114 (± 5 m)

Altitude: 506m

Direction: W

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 19

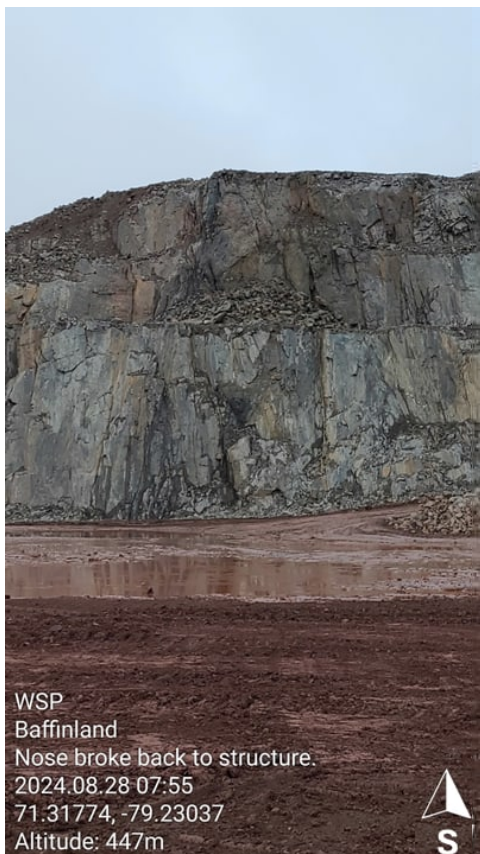
Date & time: 2024.08.28 07:53

Coordinates: 71.31724, -79.23252 ($\pm 8\text{m}$)

Altitude: 458m

Direction: E

Additional notes:



Date & time: 2024.08.28 07:55

Notes: Nose broke back to structure.

Coordinates: 71.31774, -79.23037 ($\pm 4\text{m}$)

Altitude: 447m

Direction: S

Additional notes:

Photo 20

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 21

Date & time: 2024.08.28 07:55

Coordinates: 71.31774, -79.23036 (± 7 m)

Altitude: 445m

Direction: W

Additional notes:



Photo 22

Date & time: 2024.08.28 07:55

Coordinates: 71.31774, -79.23036 (± 7 m)

Altitude: 445m

Direction: W

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:56

Notes: Seepage

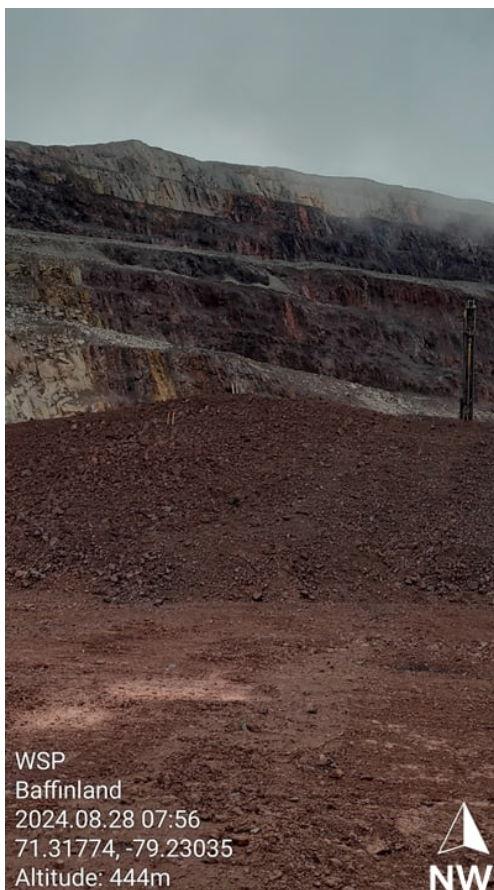
Coordinates: 71.31774, -79.23036 (± 4 m)

Altitude: 444m

Direction: W

Additional notes:

Photo 23



Date & time: 2024.08.28 07:57

Coordinates: 71.31774, -79.23035 (± 3 m)

Altitude: 444m

Direction: NW

Additional notes:

Photo 24

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 07:57

Notes: Gouge

Coordinates: 71.31774, -79.23035 (± 3 m)

Altitude: 444m

Direction: NW

Additional notes:

Gouge. Along a consistent trend.

Photo 25



Date & time: 2024.08.28 08:02

Notes: Overburden

Coordinates: 71.32023, -79.22494 (± 10 m)

Altitude: 506m

Direction: W

Additional notes:

A future permanent ramp will be developed through this overburden.

Jordon notes that the overburden is deep here according to the geological model. He also noted that the ramp slopes appear to assume the ramp will be excavated rock.

Photo 26

Action: Redesign the ramp with side slopes appropriate to overburden.

Performance issues for ramp assumed to be in rock:

- erosion and slumping
- loss of travel width

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 27

Date & time: 2024.08.28 08:05

Notes: Overburden. Future ramp

Coordinates: 71.32047, -79.22306 (± 5 m)

Altitude: 461m

Direction: W

Additional notes:

Apparent dip of the overburden slope is approximately 36 degrees.

This seems steep. I was expecting 30 degrees.

I grabbed hand samples. This is well graded till, full of angular cobbles, sub-rounded to angular. The matrix is medium to fine sand.



Photo 28

Date & time: 2024.08.28 08:44

Notes: 109 crest 630m cracks

Direction: S

Additional notes:

No one is concerned with these minor settlement cracks.

I wonder how they relate to the underlying topography. Is the differential settlement partly due to underlying lifts?

Baffinland

Project: Baffinland
Company: WSP
Report date: 2024.08.28 10:56



Date & time: 2024.08.28 08:45
Coordinates: 71.32647, -79.22159 (± 4 m)
Altitude: 621m
Direction: S
Additional notes:

109 Stockpile

The minor cracking is difficult to see in the photos.

The stockpile is inactive.

Photo 29



Date & time: 2024.08.28 08:45
Notes: 109 crest 630m cracks
Coordinates: 71.32648, -79.2216 (± 4 m)
Altitude: 622m
Direction: N
Additional notes:

Cracks

109 Stockpile

Inactive

Photo 30

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 08:48

Coordinates: 71.32647, -79.2216 (± 3 m)

Altitude: 622m

Direction: N

Additional notes:

Minor cracks

Parallel to advancing front

109 stockpile

inactive

Photo 31



Date & time: 2024.08.28 08:51

Notes: Looking down

Coordinates: 71.32619, -79.22228 (± 10 m)

Altitude: 629m

Direction: NE

Additional notes:

View from crest of the 109 stockpile.

The roll-out distances of end-dumped larger blocks is useful empirical data.

Photo 32

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 33

Date & time: 2024.08.28 08:52

Notes: 450 drills seacans 570m

Coordinates: 71.3262, -79.22238 (± 4 m)

Altitude: 630m

Direction: SW

Additional notes:

View of the lowest working bench (450L) of the Mary River Deposit 1, Phase 1 Open Pit.

There are sea cans on the 450L.

You can see the drill mast on the 470L.



Photo 34

Date & time: 2024.08.28 08:55

Notes: Pit 2. Early benches

Coordinates: 71.32673, -79.2213 (± 3 m)

Altitude: 627m

Direction: NW

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 08:59

Notes: Overspill phase 2 onto phase 1

Coordinates: 71.3264, -79.22244 ($\pm 7m$)

Altitude: 631m

Direction: S

Additional notes:

Photo 35



Date & time: 2024.08.28 09:02

Coordinates: 71.3273, -79.2241 ($\pm 5m$)

Altitude: 616m

Direction: SW

Additional notes:

View of Phase 1 slope... from ramp to Phase 2

Photo 36

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 37

Date & time: 2024.08.28 09:02

Notes: Historical bench instabilities less than 50t

Coordinates: 71.32732, -79.22412 (± 5 m)

Altitude: 620m

Direction: SW

Additional notes:

Falls of ground greater than 50t must be reported.

Jordan explained that most of the FOG shown were less than 50t (and not reported).



Photo 38

Date & time: 2024.08.28 09:13

Notes: 110 Viper pad and shop heavy equipment maintenance area

Coordinates: 71.32733, -79.22401 (± 4 m)

Altitude: 630m

Direction: SW

Additional notes:

This is the km 110 stockpile.

The apparent slope of the dump face on the right hand side of the photo is 32 degrees.

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 39

Date & time: 2024.08.28 09:16

Notes: Waste rock dump

Coordinates: 71.3341, -79.2364 (± 5 m)

Altitude: 604m

Direction: NW

Additional notes:

Waste rock dump and perimeter ditch.

Ditch is rip rapped.

Apparent dip of the waste rock slope is 32 degrees.

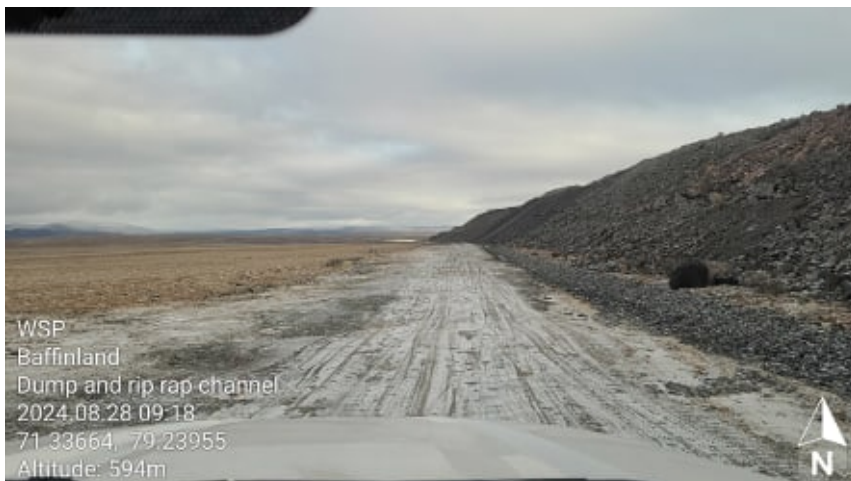


Photo 40

Date & time: 2024.08.28 09:18

Notes: Dump and rip rap channel

Coordinates: 71.33664, -79.23955 (± 10 m)

Altitude: 594m

Direction: N

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 41

Date & time: 2024.08.28 09:25

Coordinates: 71.337, -79.23946 ($\pm 4m$)

Altitude: 582m

Direction: E

Additional notes:

This liner is "new" to me (MR).

When I was last year, 8 years-ish ago, there was a different liner, black, that leaked.



Photo 42

Date & time: 2024.08.28 09:25

Coordinates: 71.34419, -79.2402 ($\pm 4m$)

Altitude: 576m

Direction: NE

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 09:26

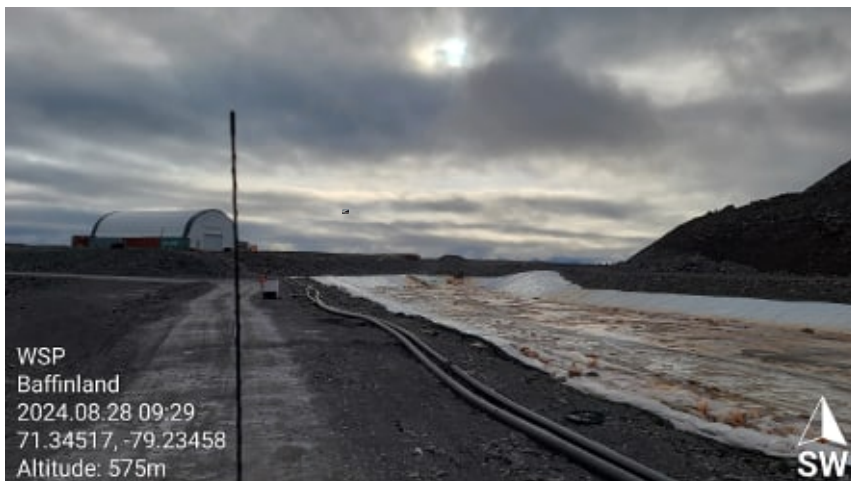
Coordinates: 71.34419, -79.24026 ($\pm 4\text{m}$)

Altitude: 576m

Direction: E

Additional notes:

Photo 43



Date & time: 2024.08.28 09:29

Coordinates: 71.34517, -79.23458 ($\pm 7\text{m}$)

Altitude: 575m

Direction: SW

Additional notes:

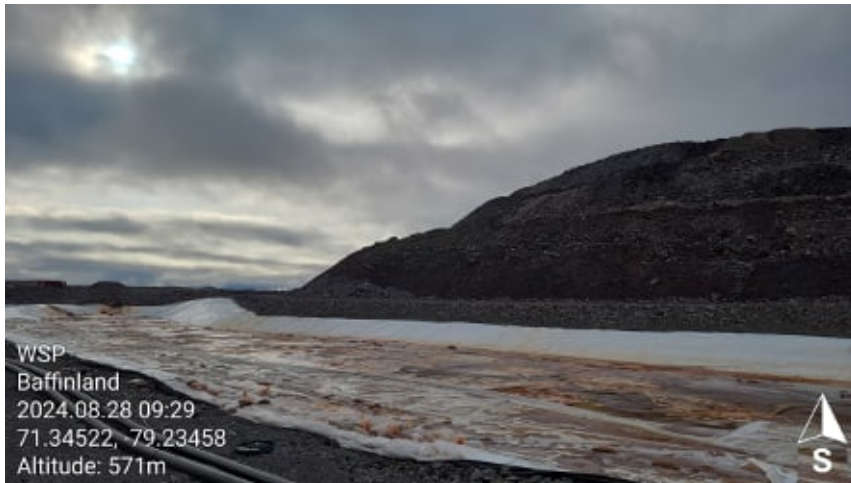
Photo 44

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 09:29

Coordinates: 71.34522, -79.23458 ($\pm 6\text{m}$)

Altitude: 571m

Direction: S

Additional notes:

Photo 45



Date & time: 2024.08.28 09:42

Notes: 109 stockpile

Coordinates: 71.32732, -79.21568 ($\pm 9\text{m}$)

Altitude: 568m

Direction: S

Additional notes:

Apparent dip of the stockpile lift is 30 degrees.

Photo 46

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56

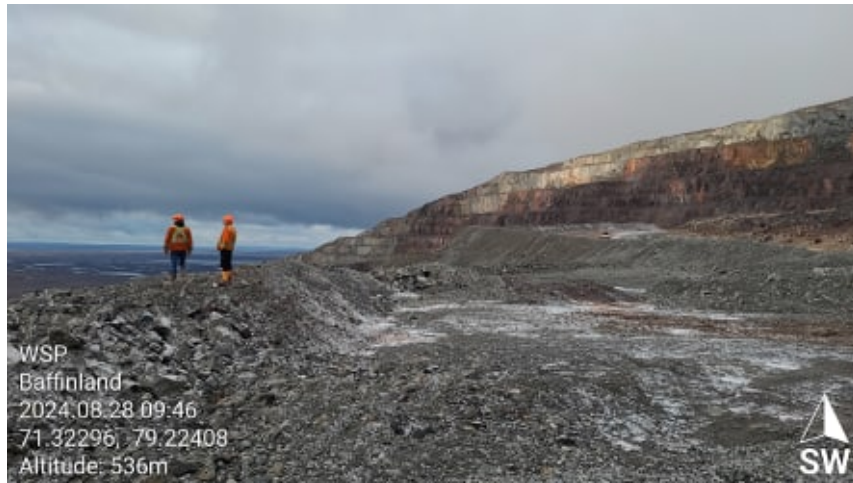


Photo 47

Date & time: 2024.08.28 09:46

Coordinates: 71.32296, -79.22408 ($\pm 9\text{m}$)

Altitude: 536m

Direction: SW

Additional notes:

View of upper Phase 1 slope, looking southwest.



Photo 48

Date & time: 2024.08.28 09:46

Coordinates: 71.32301, -79.22431 ($\pm 4\text{m}$)

Altitude: 554m

Direction: NW

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 49

Date & time: 2024.08.28 09:46

Coordinates: 71.32301, -79.22432 ($\pm 4\text{m}$)

Altitude: 556m

Direction: W

Additional notes:

View of Phase 1 benches in waste (light coloured) and ore (darker).

View of overspill onto bench.

- combination of overspill from ploughing and Phase 1 development above.



Photo 50

Date & time: 2024.08.28 09:46

Coordinates: 71.32301, -79.22432 ($\pm 4\text{m}$)

Altitude: 556m

Direction: W

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 51

Date & time: 2024.08.28 09:46

Coordinates: 71.32301, -79.22432 ($\pm 4\text{m}$)

Altitude: 556m

Direction: SW

Additional notes:



Photo 52

Date & time: 2024.08.28 09:47

Notes: View of 450m level

Coordinates: 71.32276, -79.22462 ($\pm 3\text{m}$)

Altitude: 559m

Direction: S

Additional notes:

View of Lower Phase 1 and part of Upper Phase 1.

The lower Phase 1 working Bench is the 470L. There is the start of a bench at the 450L (not shown in this photo).

The top (upper bench) of the Phase 1 pit is ~ 560L.

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Photo 53

Date & time: 2024.08.28 09:48

Notes: View from 560

Coordinates: 71.32279, -79.22455 (±5m)

Altitude: 558m

Direction: SW

Additional notes:



Photo 54

Date & time: 2024.08.28 09:48

Notes: View from 560

Coordinates: 71.32279, -79.22455 (±5m)

Altitude: 558m

Direction: W

Additional notes:

Baffinland

Project: Baffinland

Company: WSP

Report date: 2024.08.28 10:56



Date & time: 2024.08.28 09:49

Notes: View from 560

Coordinates: 71.32279, -79.22455 (±6m)

Altitude: 506m

Direction: W

Additional notes:

Photo 55