

Attachment 3.
Baffinland Community Presentation (Inuktitut and English): 2AM-MRY-1325
Type A Water Licence Renewal



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ᓂᓐᓂᓐ 11 ᓐᓂᓐ 12, 2025

2AM-MRY-1325 Type A Water Licence Renewal

NWB Public Hearing – Community Meeting

March 11-12, 2025





MISSION

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Our mission is to become the lowest cost producer of high-grade iron ore in the world.

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VISION

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Our vision is to safely and efficiently identify and develop resources within Baffin island, unlocking their wealth-generating potential for the benefit of all stakeholders.

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VALUES

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Health & Safety
Safety as a value.

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Integrity
Do what is right, not what is easy.

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Engage and Develop our People

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Respect for all

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Environmental Stewardship

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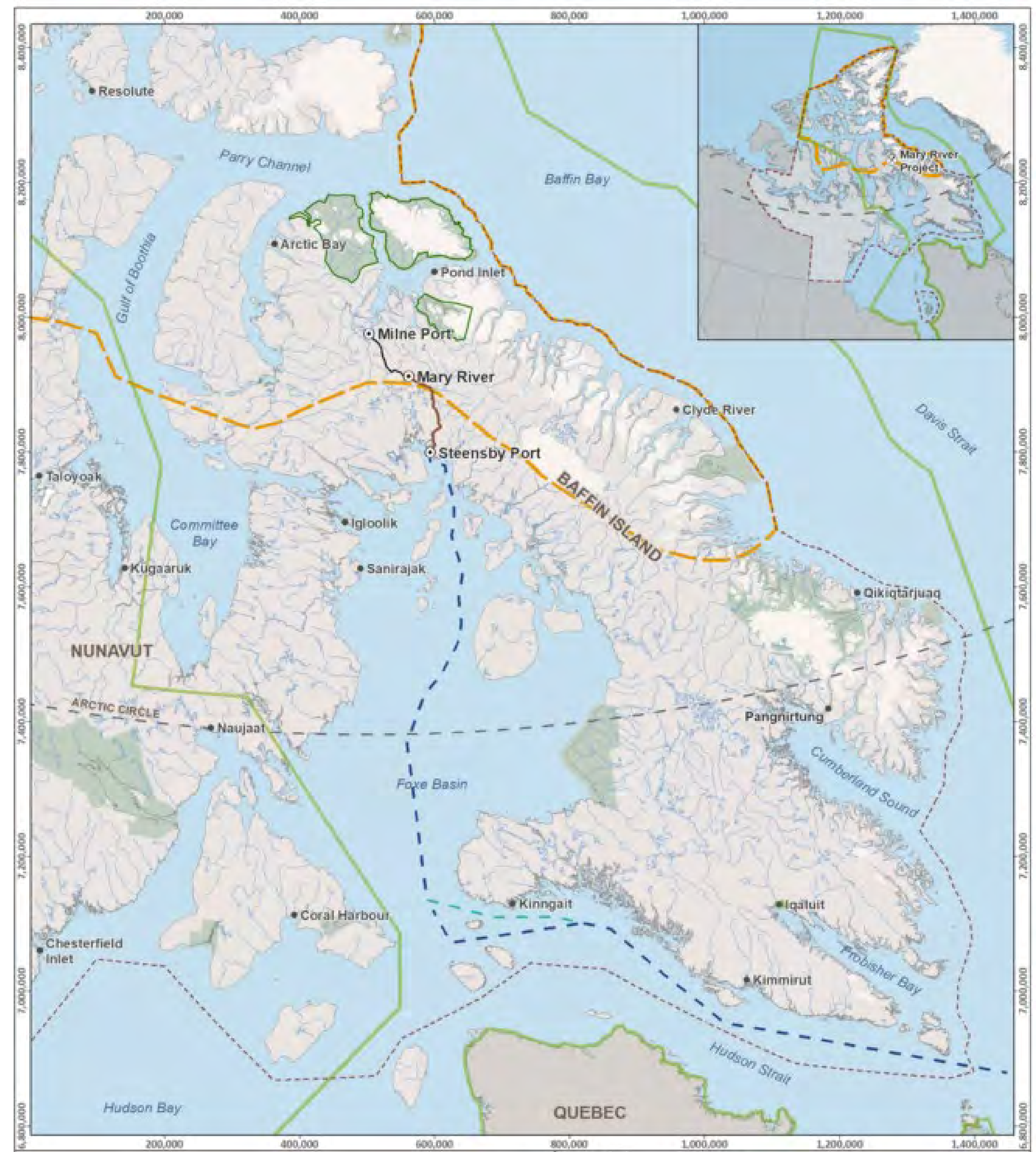
Pursue Performance Excellence

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Mary River Project

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- Operating mine at Mary River
- Early Revenue Phase since 2015
- Planned construction of Steensby Railway to transport ore to Steensby Port



Operations

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Mine Site



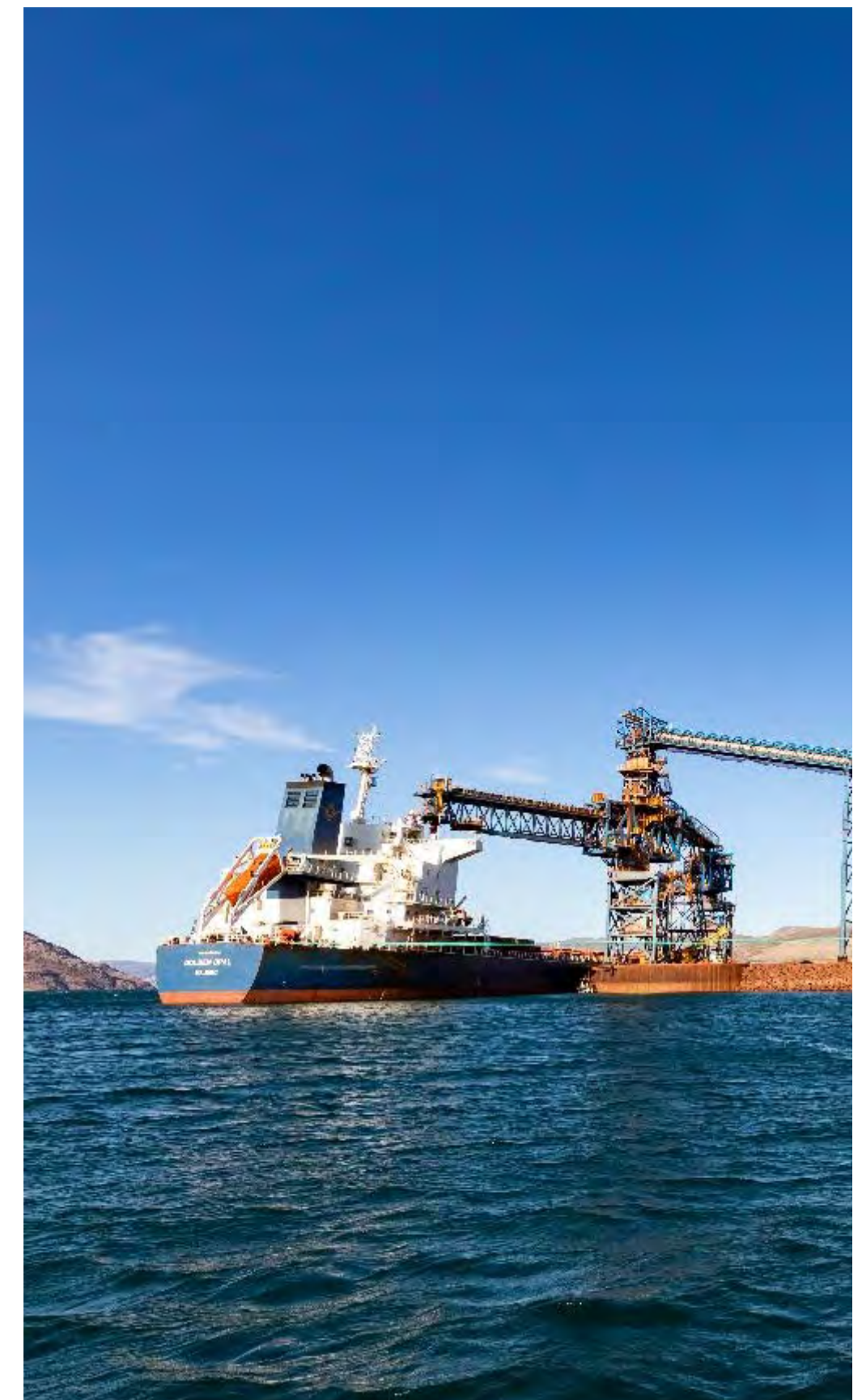
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Transportation



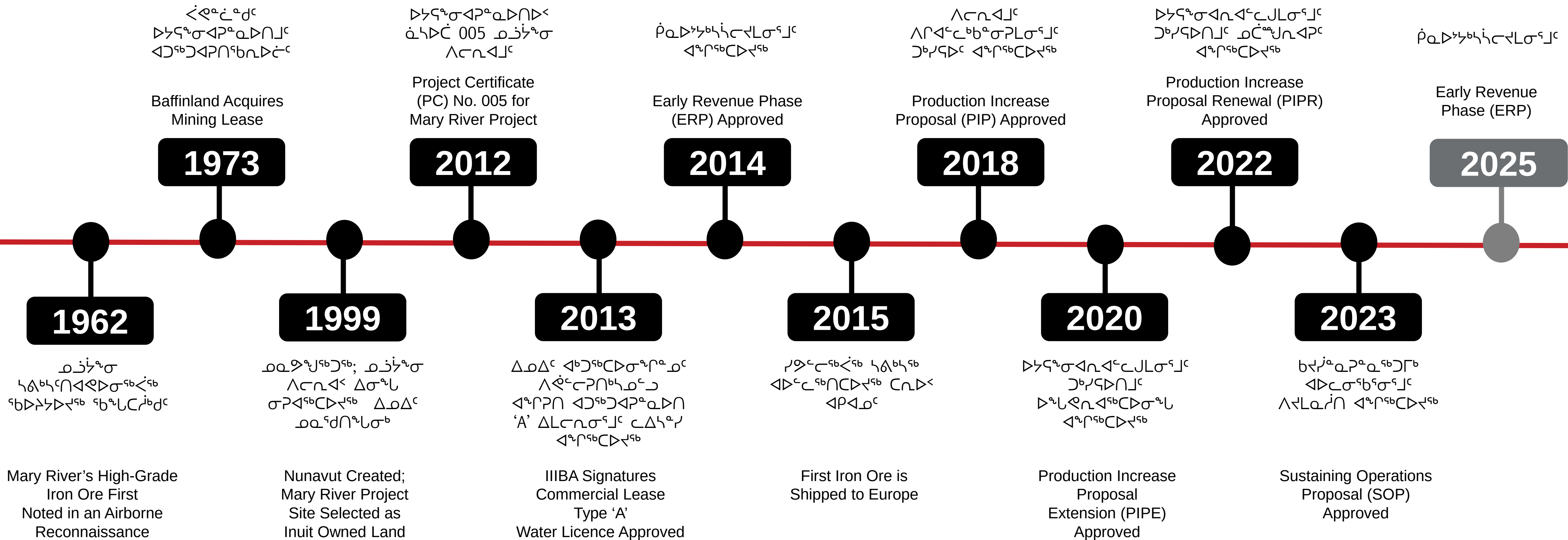
3 ᐃᓕᓕᓐᓂᐱᓐᓂᐱᓐ
Stockpiling



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Shipping



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**MARY RIVER WATER LICENCE
RENEWAL OVERVIEW**

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Mary River Water Licence History

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- **ᓴᓂ 10, 2013:** ᓄᓴᓴᓂᐃᓴᓂᓄᓂ ᓴᓂᓄᐃᓴᓂᓄᓂ ᐃ ᐃᓕᓴᓴ ᓕᐃᓴᓂ 2AM-MRY1325
- **ᓴᓴᐃ 21, 2015:** ᓄᓴᓴᓂᐃᓴᓂᓄᓂ ᓄᐃᓴᓂ ᓂᓴᓄᓴ 1. ᓴᓂᓄᐃᓴᓂᓄᓂ ᐃ ᐃᓕᓴᓴ ᓕᐃᓴᓂ 2AM-MRY1325 (ᓂᓴᓄᓴᓂᓄᓂ ᓄᓴᓴᓂᓄᓂ)
- **ᓴᓂ 26, 2024:** ᓄᓴᓴᓂᐃᓴᓂᓄᓂ ᓄᓴᓴᓂᓄᓂ ᓄᓴᓴᓂᓄᓂ

Key Dates

- **June 10, 2013:** Issuance of Type 'A' Water Licence 2AM-MRY1325
- **July 21, 2015:** Issuance of Amendment No. 1 to Type 'A' Water Licence 2AM-MRY1325 (Early Revenue Phase)
- **June 26, 2024:** Renewal Application Submission



NUNAVUT WATER BOARD

WATER LICENCE NO: 2AM-MRY1325

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Water Licence Renewal Overview

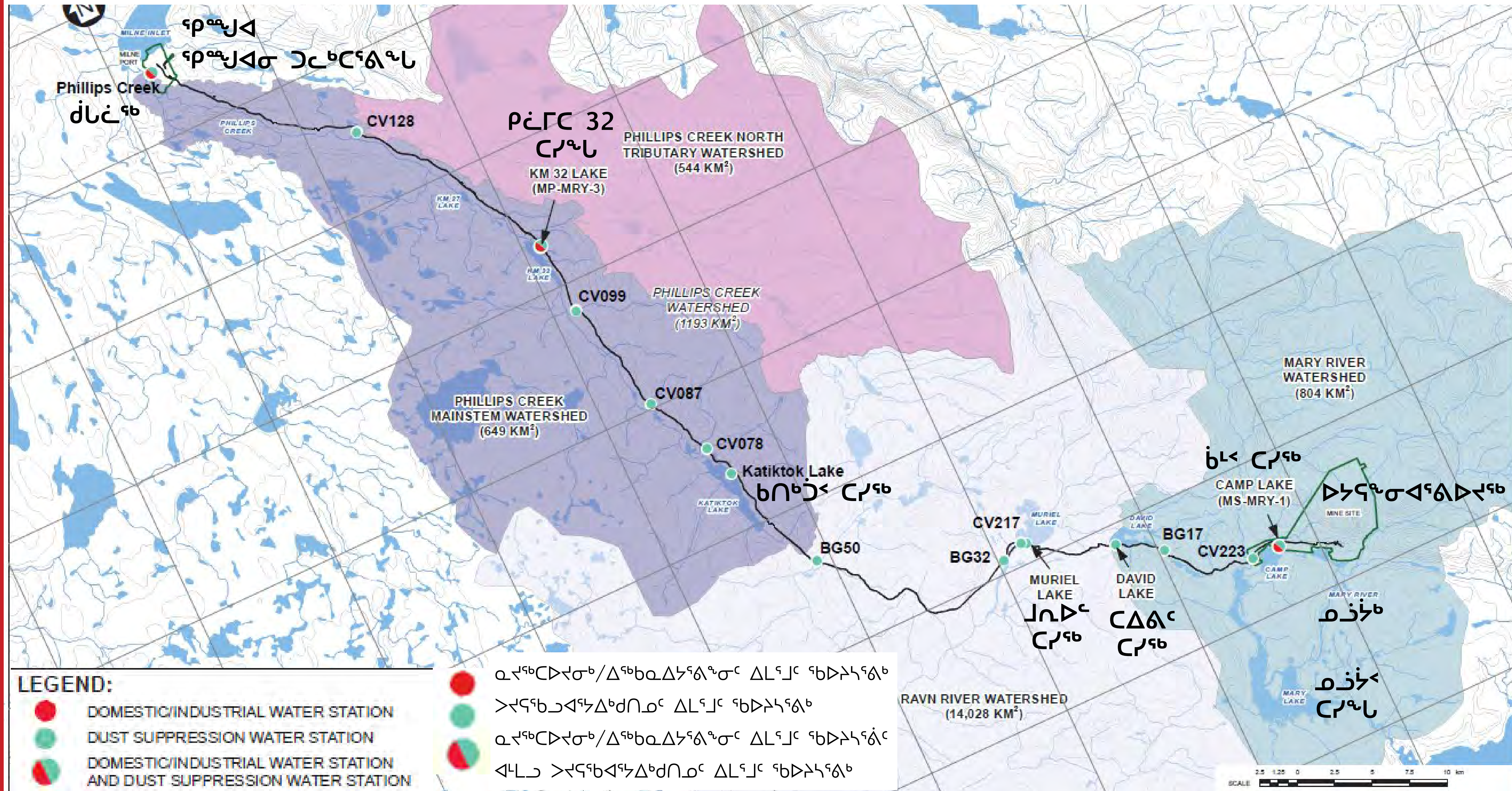
- Requesting a 15-year term
- Changes in the Water Licence
 - o Agreed changes to the Water Licence to address comments received during the technical review
 - o Further suggested changes identified by Baffinland in the Water Licence Framework in order to improve licence clarity
- Management Plans for current operations provided for reference, already subject to annual review
- Current licence issued based on Project Certificate (PC) 005, everything in scope of PC is included in the current water licence



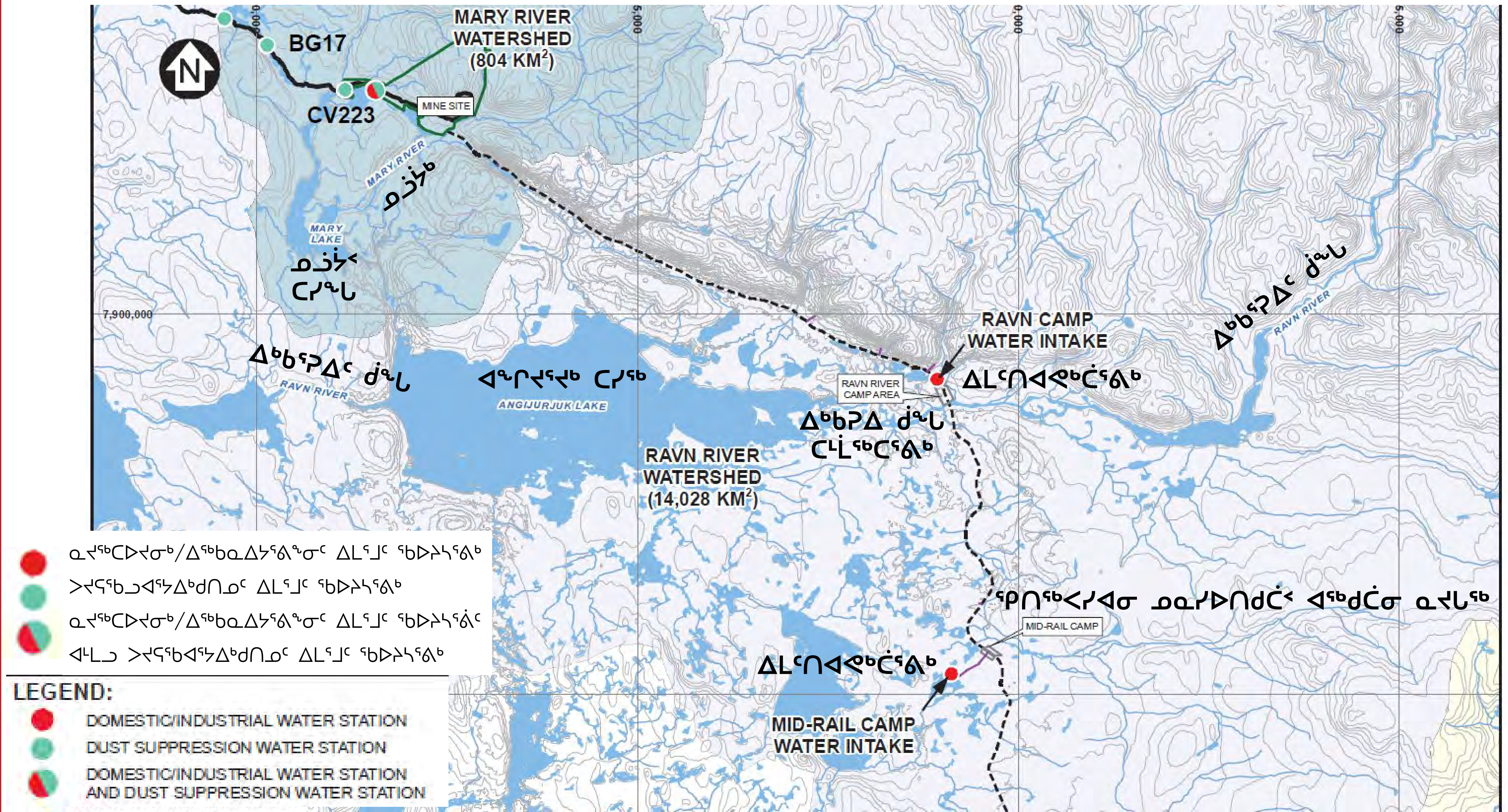
Water Licence Framework Updates

- **Management Plans:** Baffinland proposes to add a master list of the current plans (which will be useful for the inspector and others), which can be updated to reflect plan revisions as needed. See Schedule K.
- **MDMER Alignment:** Modifications to Table 4-10 criteria to align with MDMER in response to ECCC comments
- **Board Approval:** Consistency in adding “unless otherwise approved by the Board” to relevant Items.
- **Effluent Discharge Monitoring Stations:** Updating of specific effluent discharge monitoring stations to better reflect current site conditions (section F, Items 17, 19, 22, 23).
- **QIA-led monitoring and reports:** Revisions to Part B, Item 17 and Schedule B to reference updating plans based on monitoring and assessments and to include annual reporting on QIA-led monitoring and studies.
- **Schedule I Aquatic Effects Monitoring:** Updating tables in Schedule I to better reflect current site conditions and monitoring parameters. Identification of regulated, general and verification monitoring sites.

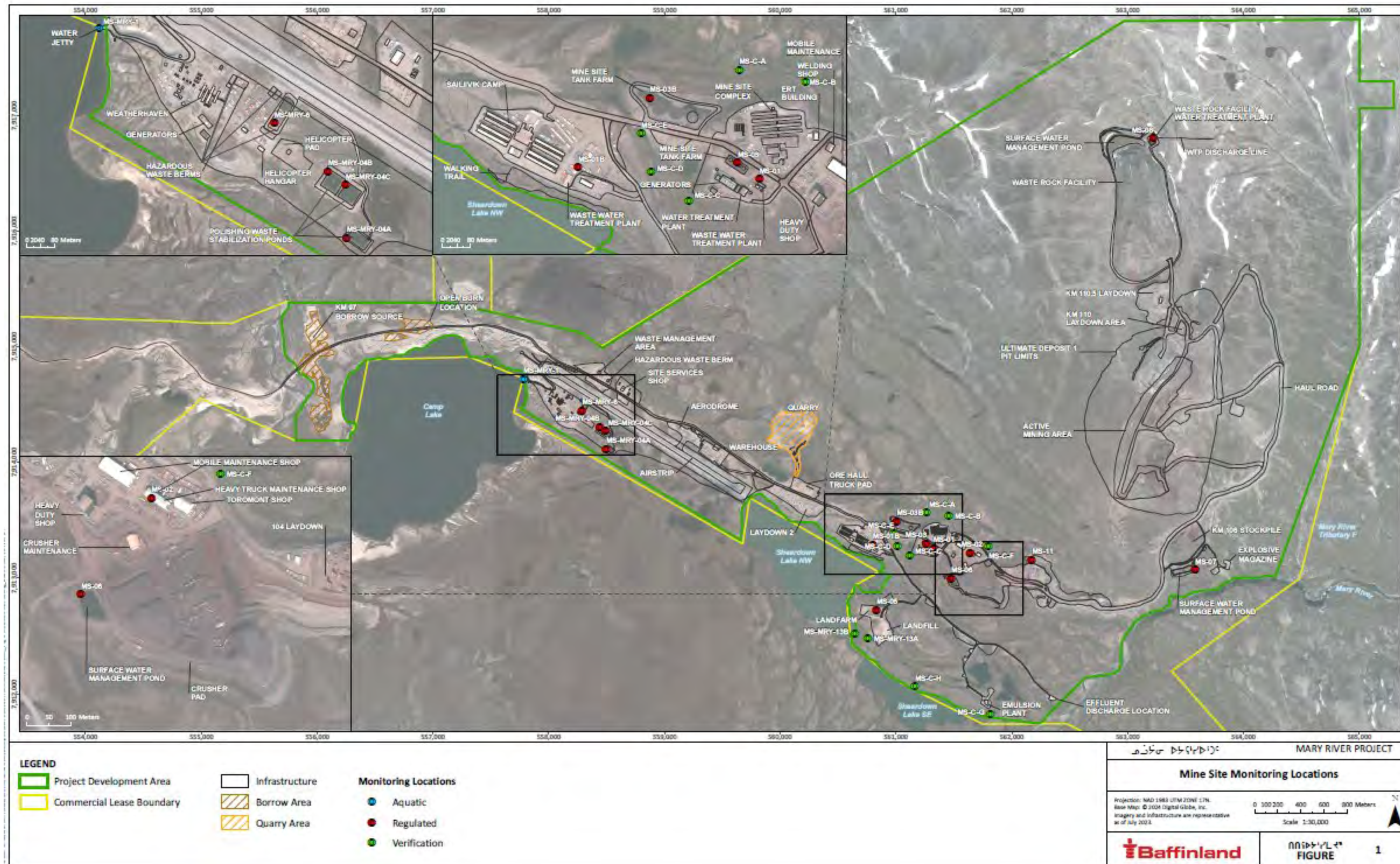
Approved Water Stations



Approved Water Stations - Steensby



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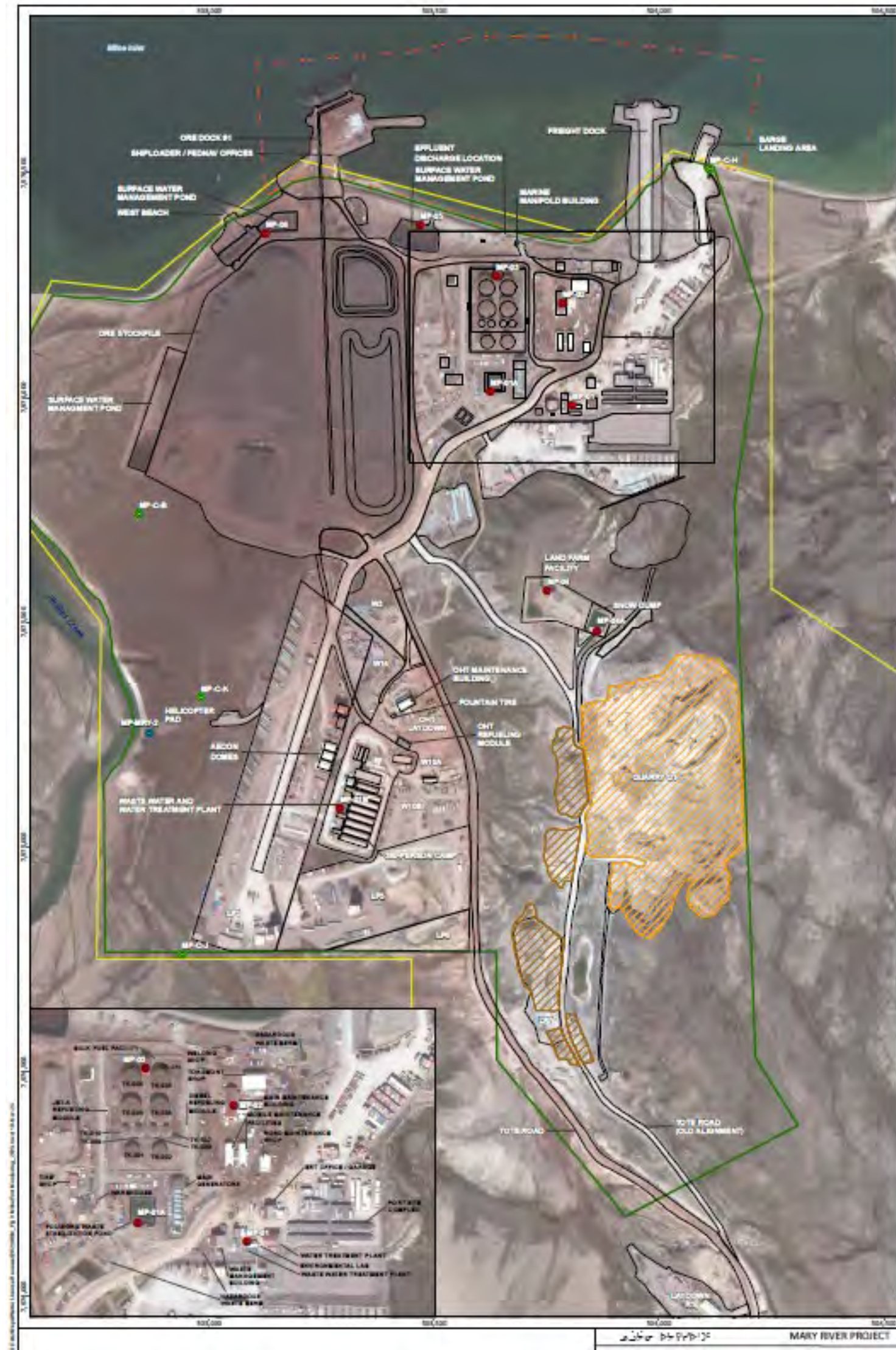
Monitoring Locations

© Aquatic

Regulated

© Verification

Monitoring Locations – Milne Port



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Monitoring Locations

-  Aquatic
-  Regulated
-  Verification

See larger poster

ΔΛΓΨ ΓΔΗΨΔΨ ΞΔΨΔΨΔΨΔΨΔΨ ΔΓΔΞΔΓ Water Licence Monitoring Team

• ΔΔΓΔΓΔΨ ΔΓΔΞΔΓ

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- 4 ΨΨΞΔΔ ΔΔΔ ΔΔΔΞΔΔΔΔΔΔΔ ΔΔΔ ΔΔΔΔΔΔΔ ΞΔΔΔΔ

• Site Environment Team

- 7 Inuit technician and specialists
- 4 QIA environmental monitors



ΔΛΓΠΔΔΔΔΔ ΔΔΔΔΔΔΔΔΔΔΔ ΔΔΔΔΔΔΔ Freshwater Monitoring Programs

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- Aquatic Effects Monitoring Program (AEMP)
 - Surveillance Network Program (SNP)
 - Environmental Effects Monitoring (EEM)
 - Core Receiving Environment Monitoring Program (CREMP)
 - Lake Sedimentation Monitoring Program
 - Dustfall Monitoring Program
- Hydrometric Monitoring
- Groundwater Monitoring
- Tote Road Monitoring Program (TRMP)

ΔΛΨϯ ΔΰΔΔσΨΔ ΨΔΔΰΨΨ<ϯΔΨΨΔΨΨΔΨΨ ΔΔΔΔΨ Aquatic Effects Monitoring Program (AEMP)

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- Monitoring freshwater lakes and streams in the receiving environment
 - Water samples
 - Studies on sediment, benthic invertebrates and fish
- Data is compared geographically, temporally, and against benchmarks
- Methods: water sampling, electrofishing, gill nets, sediment traps



**ΔL^ε]^c Δ^b Δσ^ε ρ^c ε^b Δ^c Δ^ε ρ^ε Δ^ε σ^ε]^c
Λ^c Δ^ε – C^ε σ^c**

Aquatic Effects Monitoring Program - Lakes

- Lake sampling includes:
 - Field parameter depth profile
 - Water quality samples at different depths
 - Secchi disk measurements



[illegible]

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Aquatic Effects Monitoring Program - Streams

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- Stream sampling includes sites near and far from the mine site



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Surveillance Network Program (SNP)

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- Surface water monitoring in streams adjacent to site
- Water quality monitoring from pond discharges



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- Engagement carried out by Inuit-led team
- Communication about Mary River Project in Inuktitut and English, following and respecting Inuit oral traditions
- Ongoing engagement regarding on the Mary River Project
- Inuit knowledge



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TECHNICAL SUBMISSIONS

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Commitments

- 25 commitments were made in response to comments from interveners as part of the technical meetings
 - Commitments listed in Appendix D of the NWB Pre-Hearing Conference Decision Report
- Through ongoing discussions with interveners, Baffinland proposes additional commitments
 - 3 new commitments submitted on February 21, 2025 as part of responses to Final Submissions
 - QIA-TR-1: Provision of one-time memorandum regarding specific aquatic monitoring information requested by QIA
 - QIA-TR-24: Baffinland will collaborate with QIA to incorporate the outcomes of QIA-led data collection into relevant management plans
 - CIRNAC-04: Baffinland to conduct a review of dustfall data and the associated monitoring program
 - Included in the commitments table

Key Themes – Management Plans



Steensby Component



Erosion and Sediment Control



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Inuit Knowledge and Inuit Water Rights



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Annual Security Review**



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CONCLUSION

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THANK YOU

NORTHERN HEAD OFFICE

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