

Attachment 1.
Baffinland Public Hearing Presentation (Inuktitut and English) 2AM-MRY-1325
Type A Water Licence Renewal



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2AM-MRY-1325 Type A Water Licence Renewal

NWB Public Hearing

March 11-12, 2025





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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

אנחנו מודים לך על שיתוף הפעולה

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.

[illegible]

Engage and Develop our People

Լճակի Բնակավայր
 Լճակի Բնակավայր

Respect for all

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Environmental Stewardship

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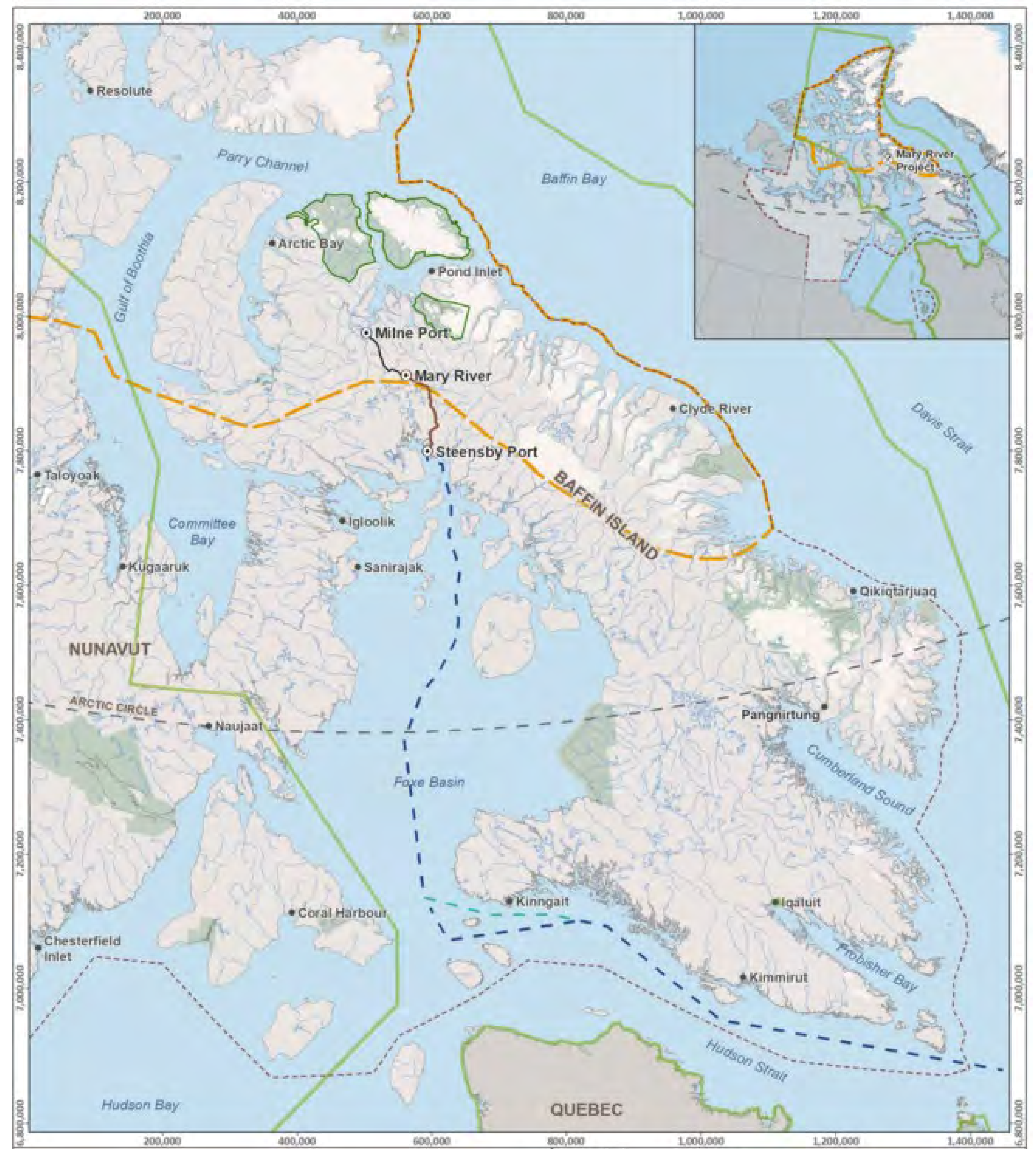
Pursue Performance Excellence

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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



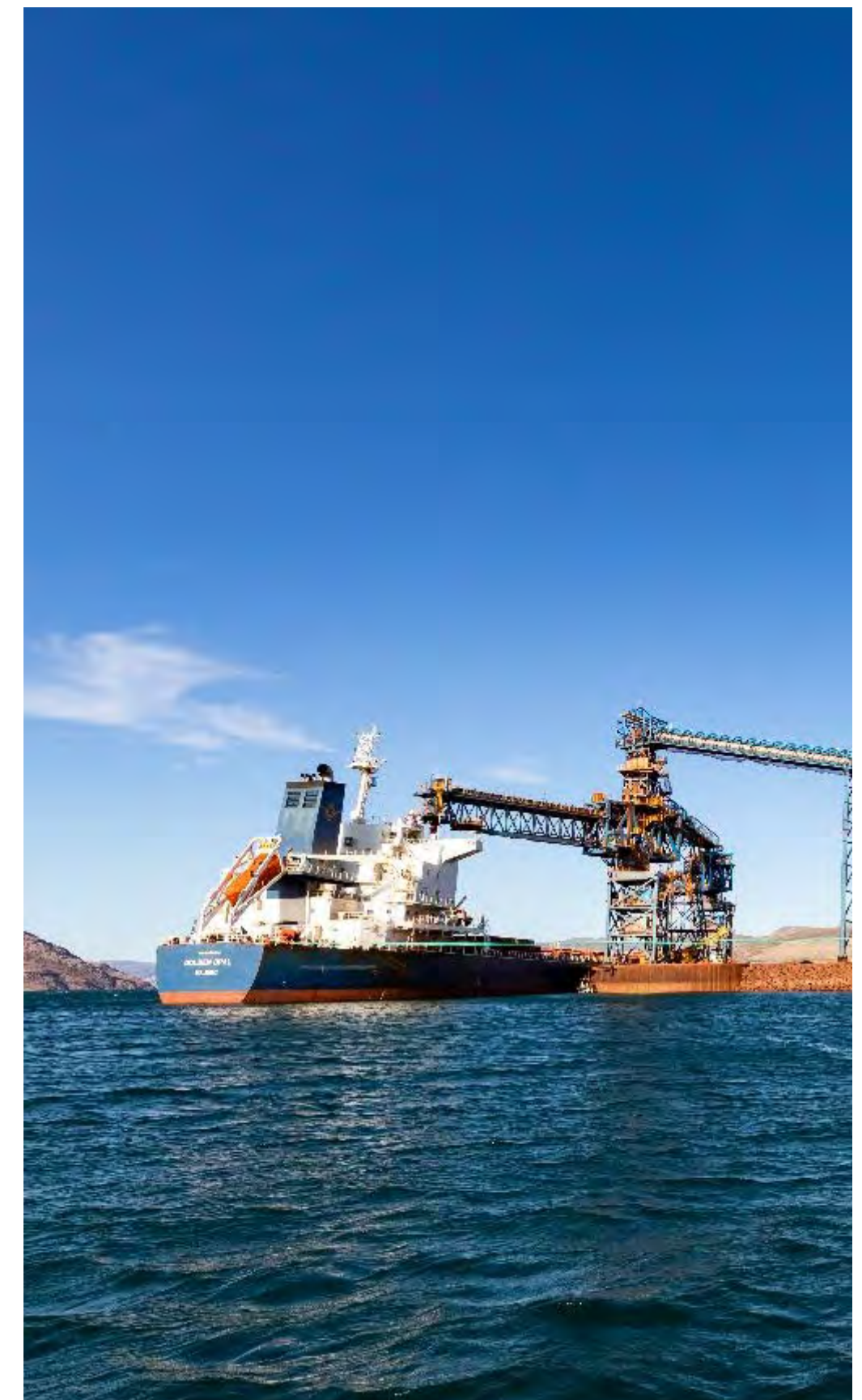
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Transportation



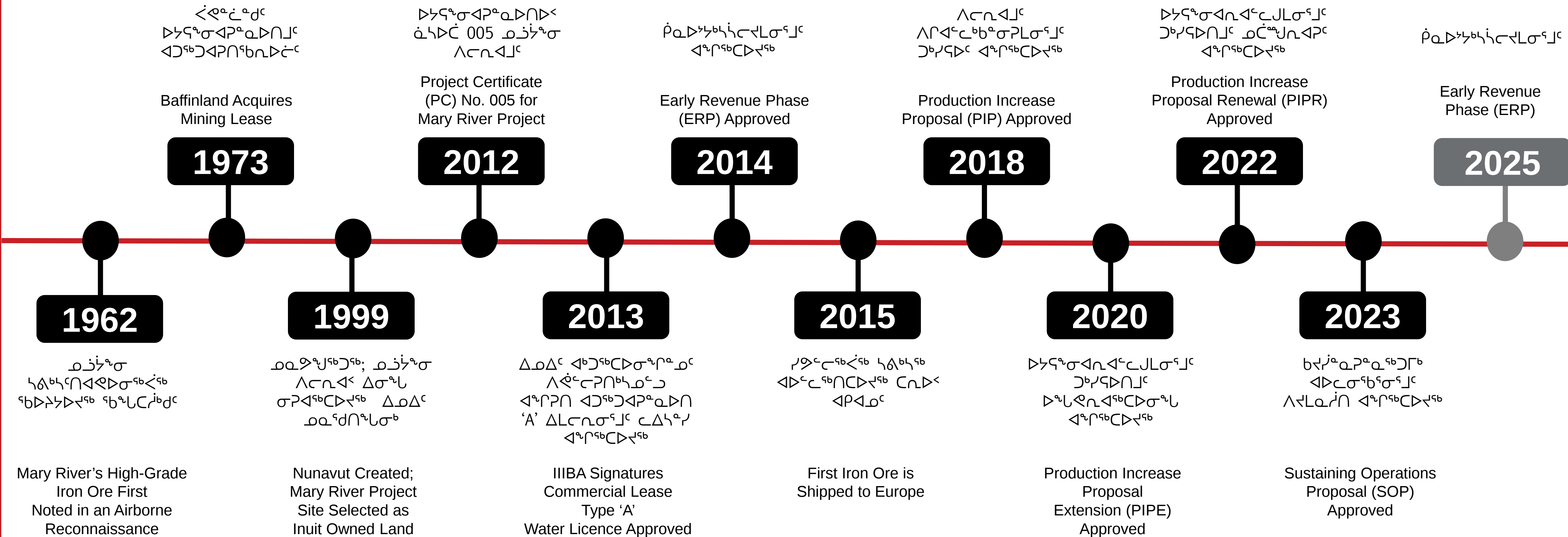
3 ᓕᓕᓕᓐᓂᐱᓐᓂᐱᓐ
Stockpiling



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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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- **ᓂᓗ 10, 2013:** ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ 2AM-MRY1325
- **ᓂᓗ 21, 2015:** ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ 1. ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ 2AM-MRY1325 (ᓂᓗᓂᓐ ᓂᓗᓂᓐ)
- **ᓂᓗ 26, 2024:** ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ ᓂᓗᓂᓐ

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

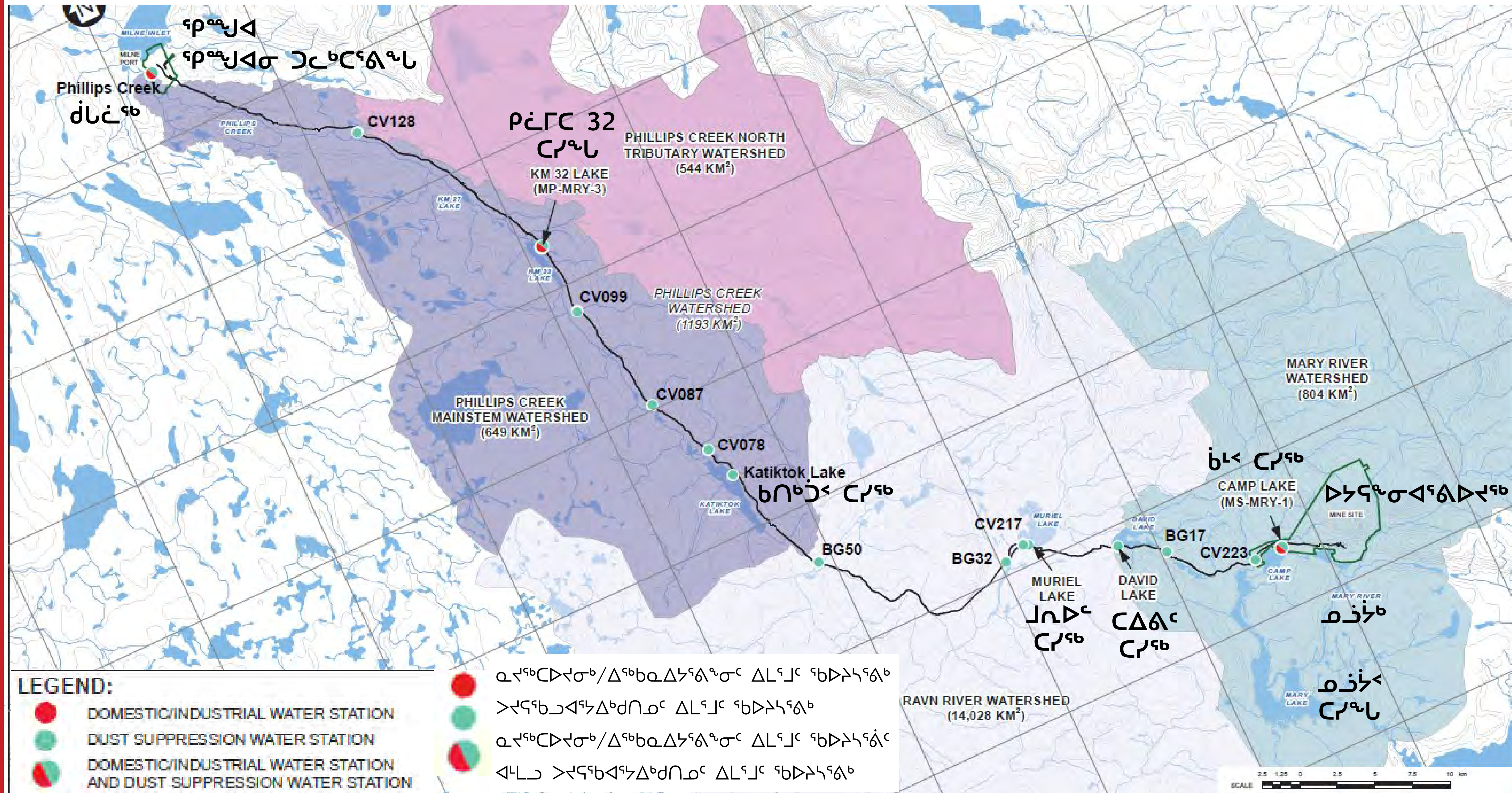
- Requesting a 15-year term
- Changes in the Water Licence
 - o Agreed changes to the Water Licence to address comments received during the technical review
 - o Further suggested changes identified by Baffinland in the Water Licence Framework in order to improve licence clarity
- Management Plans for 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



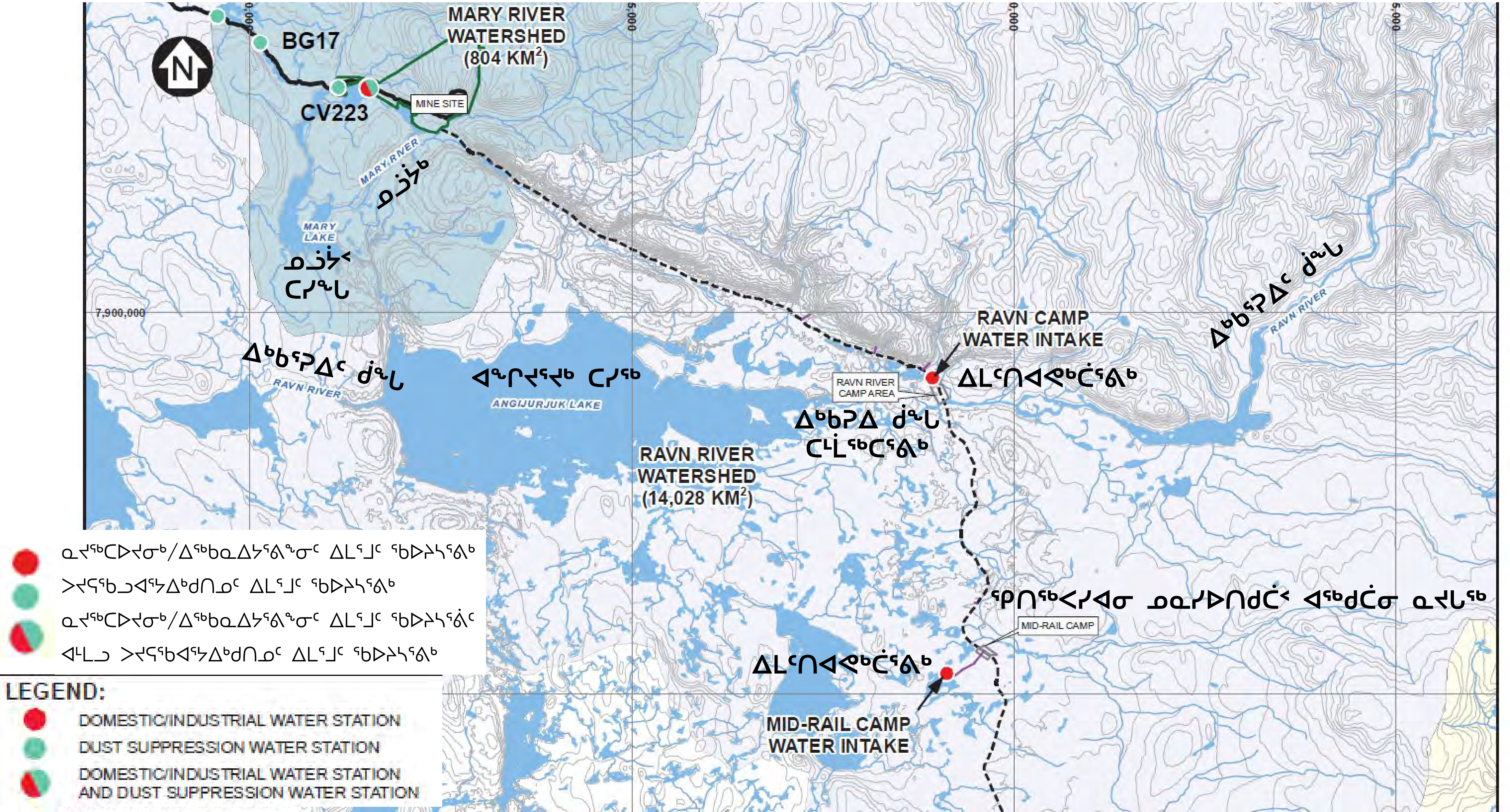
Water Licence Framework Updates

- **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

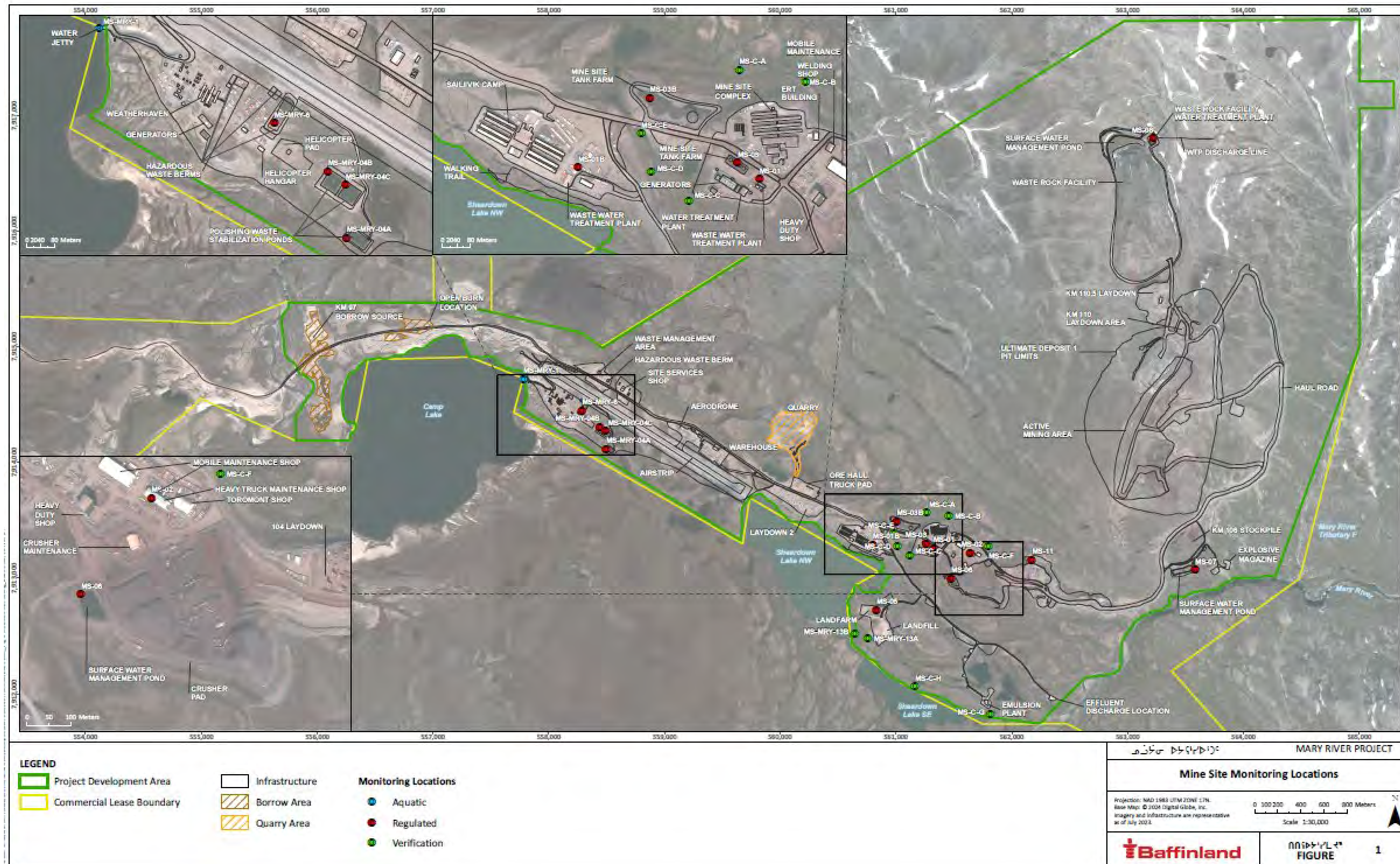


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Monitoring Locations – Mine Site



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Monitoring Locations

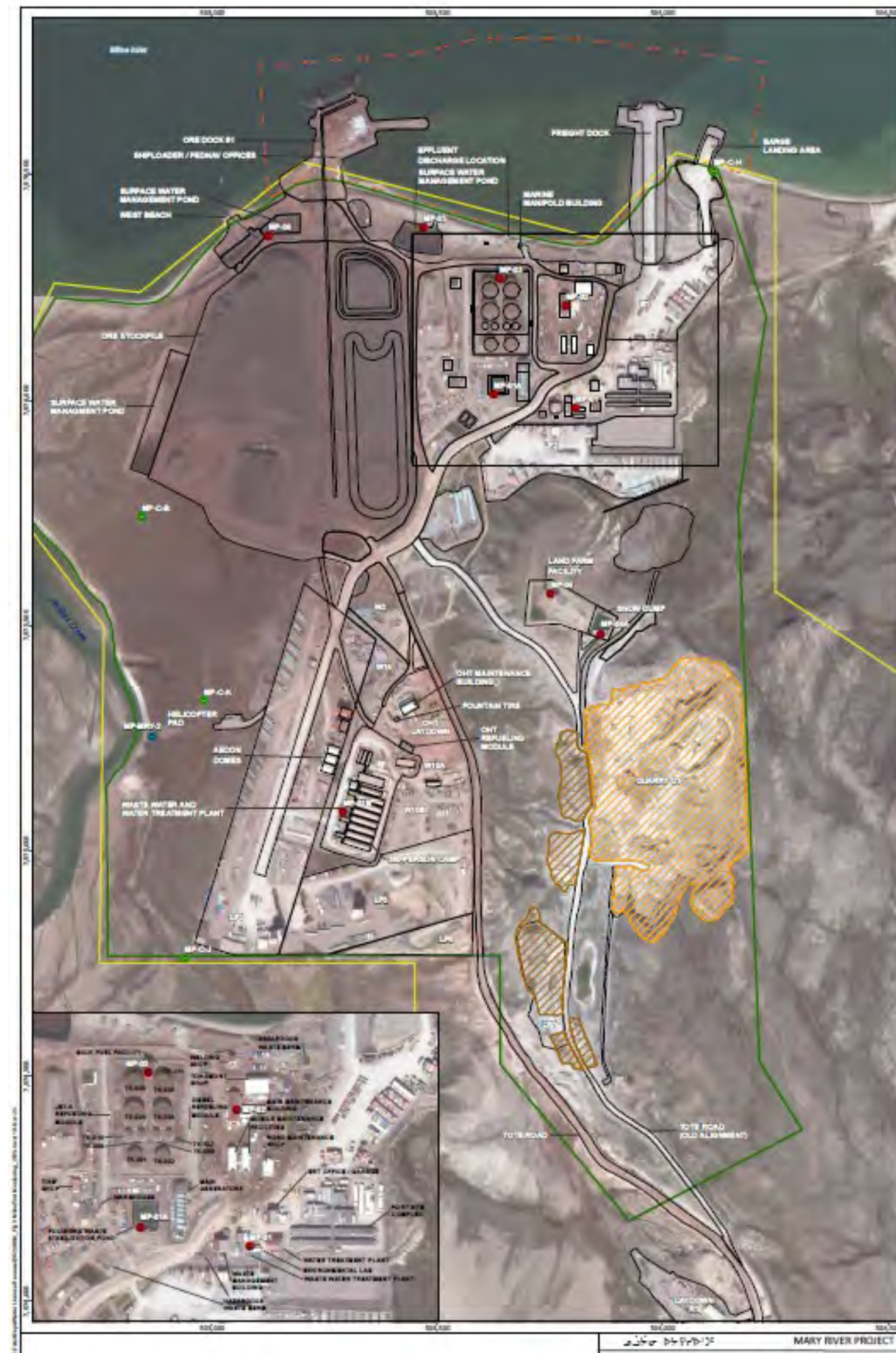
© Aquatic

Regulated

© Verification

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Monitoring Locations – Milne Port



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Monitoring Locations

- Aquatic
- Regulated
- Verification

See larger poster

ΔΛΓΨ ΓΔΗΨΔΨ ΨΔΨΔΨΔΨΔΨΔΨ ΔΓΔΨΔΓ Water Licence Monitoring Team

• ΔΔΓΔΔΨΔ ΔΓΔΨΔΓ

- 7 ΔΔΔΨ ΨΔΔΨΔΓΔΨ ΔΔΔ ΨΔΨΔΨΔΨ
- 4 ΨΨΨΔΔ ΔΔΔΨ ΔΨΨΨΔΓΔΨΔΨΔΨ ΔΔΓΔΔΨΔΨΔΨ ΨΔΨΔΨ

• Site Environment Team

- 7 Inuit technician and specialists
- 4 QIA environmental monitors



- 8

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



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- Winter sampling at lakes under the ice at various depths



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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



TECHNICAL SUBMISSIONS

38 technical comments

- [illegible]

38 technical comments





Crown-Indigenous Relations and Northern Affairs

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37 technical comments

- [illegible]

- Key topics:
 - o Management and monitoring plans
 - o Dustfall monitoring
 - o Water monitoring and sampling locations
 - o Surface water management
 - o Water balance model
 - o Waste Rock Facility thermal modelling
 - o Water quality data
 - o Interim Closure and Reclamation Plan
 - o Mine schedule
 - o Mineral lease licences
 - o Water intake facilities
 - o Ice roads
 - o Water storage tanks
 - o Water management design



**Crown-Indigenous Relations
and Northern Affairs Canada**
**Relations Couronne-Autochtones
et Affaires du Nord Canada**

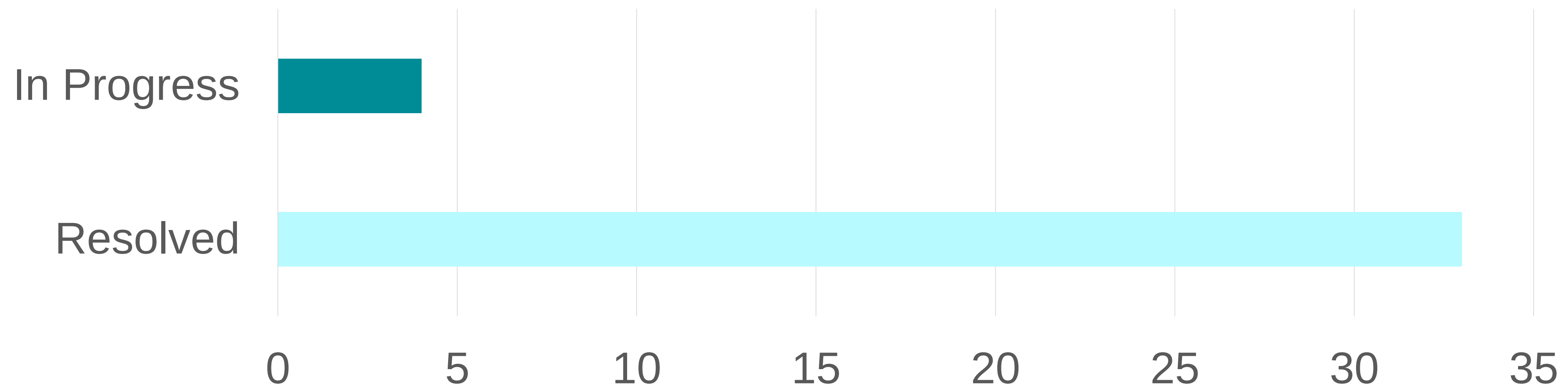
Crown-Indigenous Relations and Northern Affairs

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37 technical comments

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CIRNAC Technical Comments



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Environment and
Climate Change Canada
Environnement et
Changement climatique Canada

Environment and Climate Change Canada

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11 technical comments

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- Key topics:
 - o Sediment and erosion control
 - o Management plans
 - o Effects to aquatic environment
 - o Discharge criteria
 - o Monitoring locations

[illegible]

Environment and
Climate Change Canada
Environnement et
Changement climatique Canada

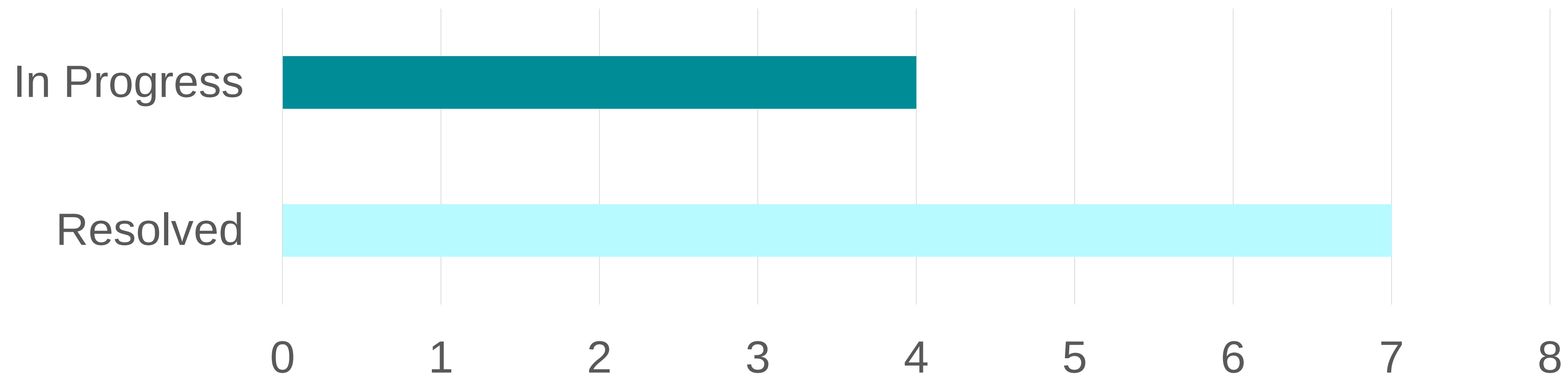
Environment and Climate Change Canada

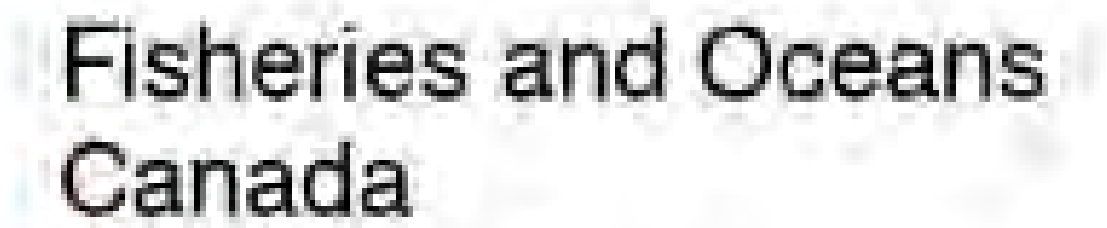
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11 technical comments

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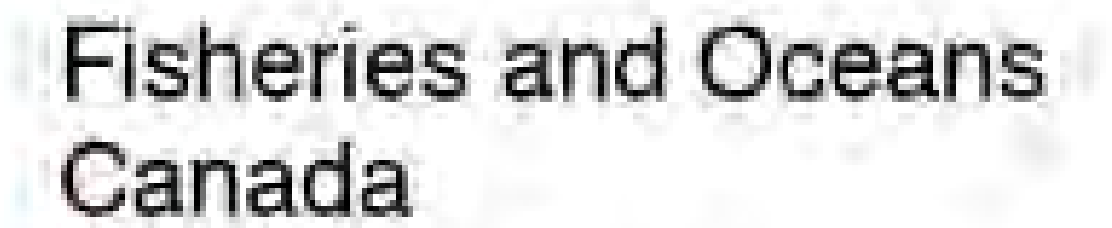
ECCC Technical Comments



Pêches et Océans
Canada

2 technical comments

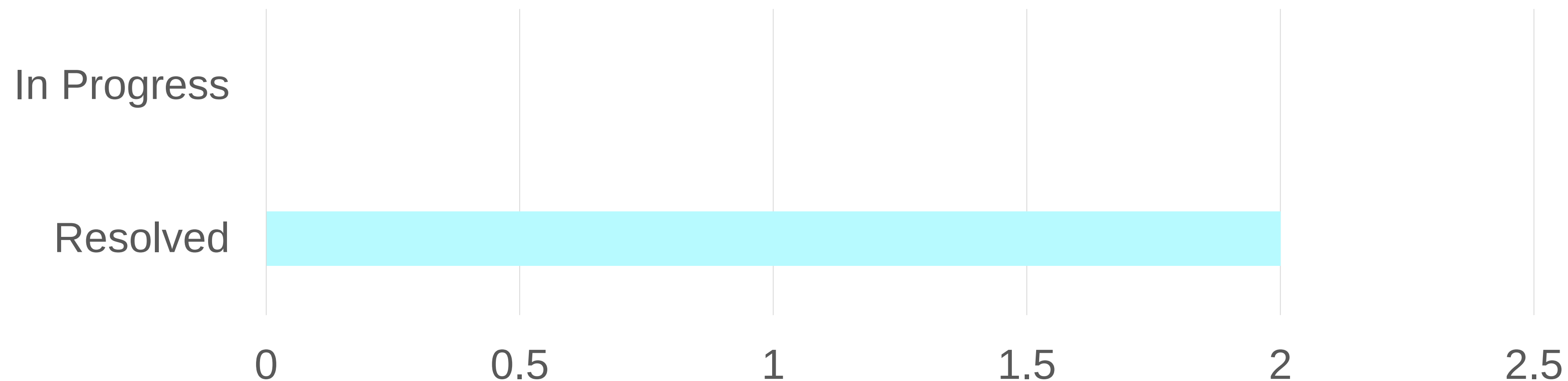
- Key topics:
 - o Impacts to aquatic environment
 - o Sediment and erosion control

Pêches et Océans
Canada

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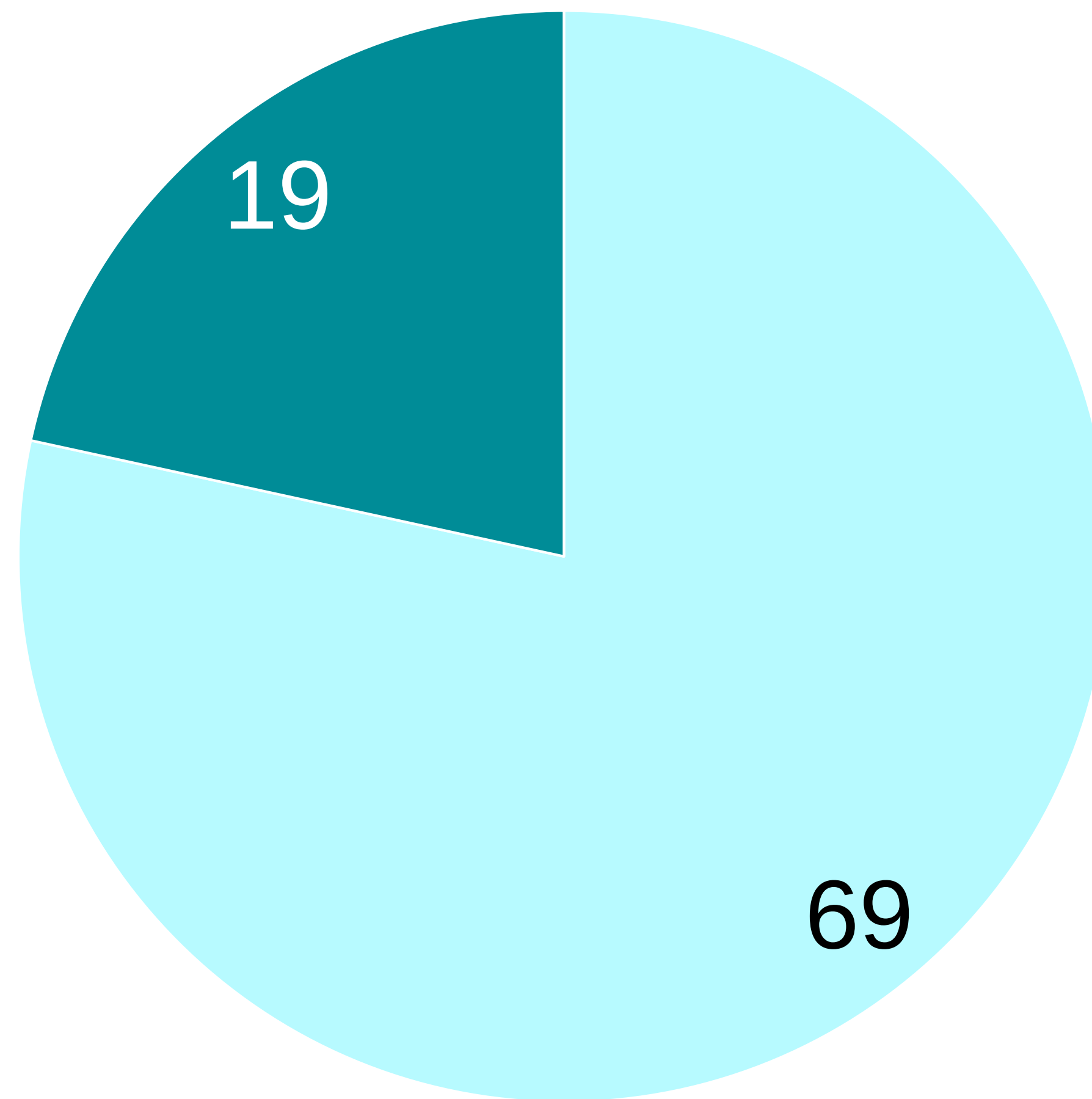
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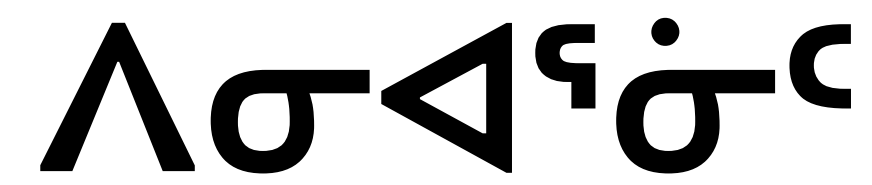
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DFO Technical Comments



A pie chart with two segments. The larger segment, colored light blue, represents 69% of the total. The smaller segment, colored dark teal, represents 19% of the total. The numbers 69 and 19 are displayed in black and white text respectively within their corresponding segments.

Category	Percentage
Light Blue	69
Dark Teal	19





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



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**ᐱᑦᓂᕈᓴᒃ ᐱᑦᓄᕋᓇᓂᕆᔭᖅᐸᓚᐱᑦ
Annual Security Review**



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CONCLUSION

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THANK YOU

NORTHERN HEAD OFFICE

611 ᐱᓕᓕᓐ ᐱᓕᓕᓐᐱᓐ ᐱᓕᓕᓐ, ᓄᓕᓐᓐ
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