

Meliadine Water Licence Amendment

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Nunavut Water Board Community Roundtable

June 5, 2024
Rankin Inlet, NU

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- Meliadine Mine Water Licence Description
- Public Engagement and Communication Update
- Technical Comments
 - Summary
 - Water Management
 - Aquatic Effects Monitoring
 - Technical Comment Comments
- Conclusion

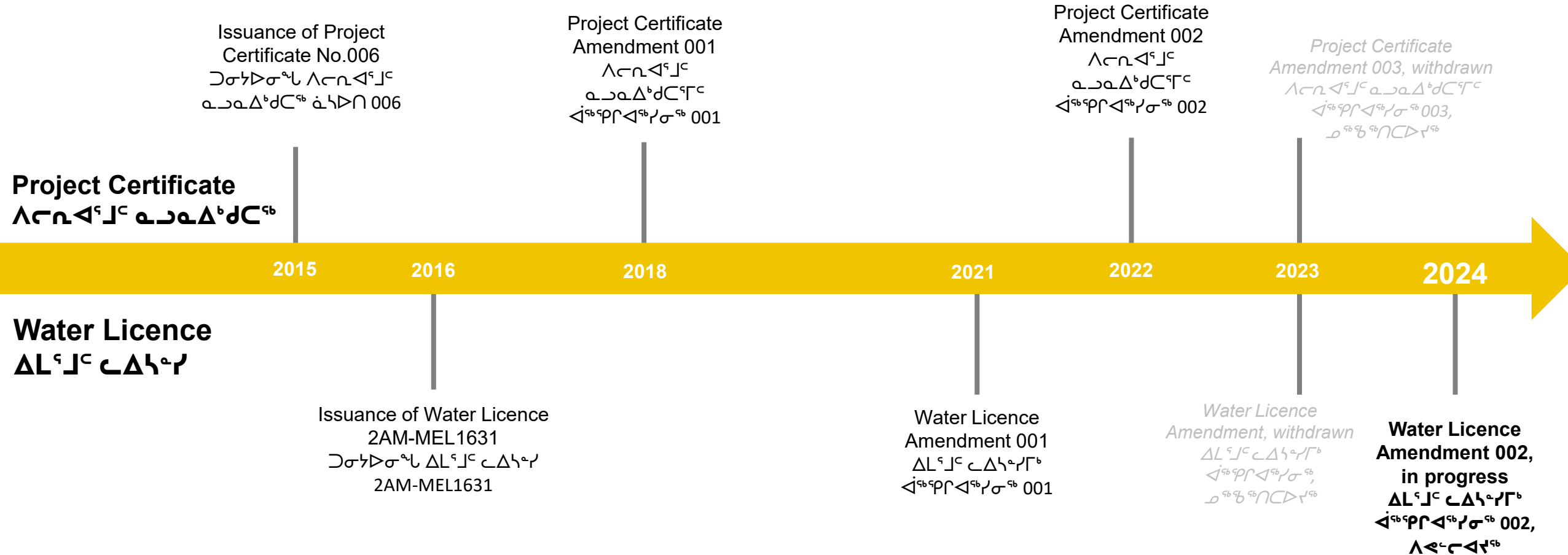
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MELIADINE MINE – HISTORY

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Approved Water Licence

- Only open pit and underground mining of the Tiriganiaq deposit
- Water Licence expires 2031

2020 Water Licence Amendment

- Construction of access roads
- Additional laydown areas
- Updated waste management strategy

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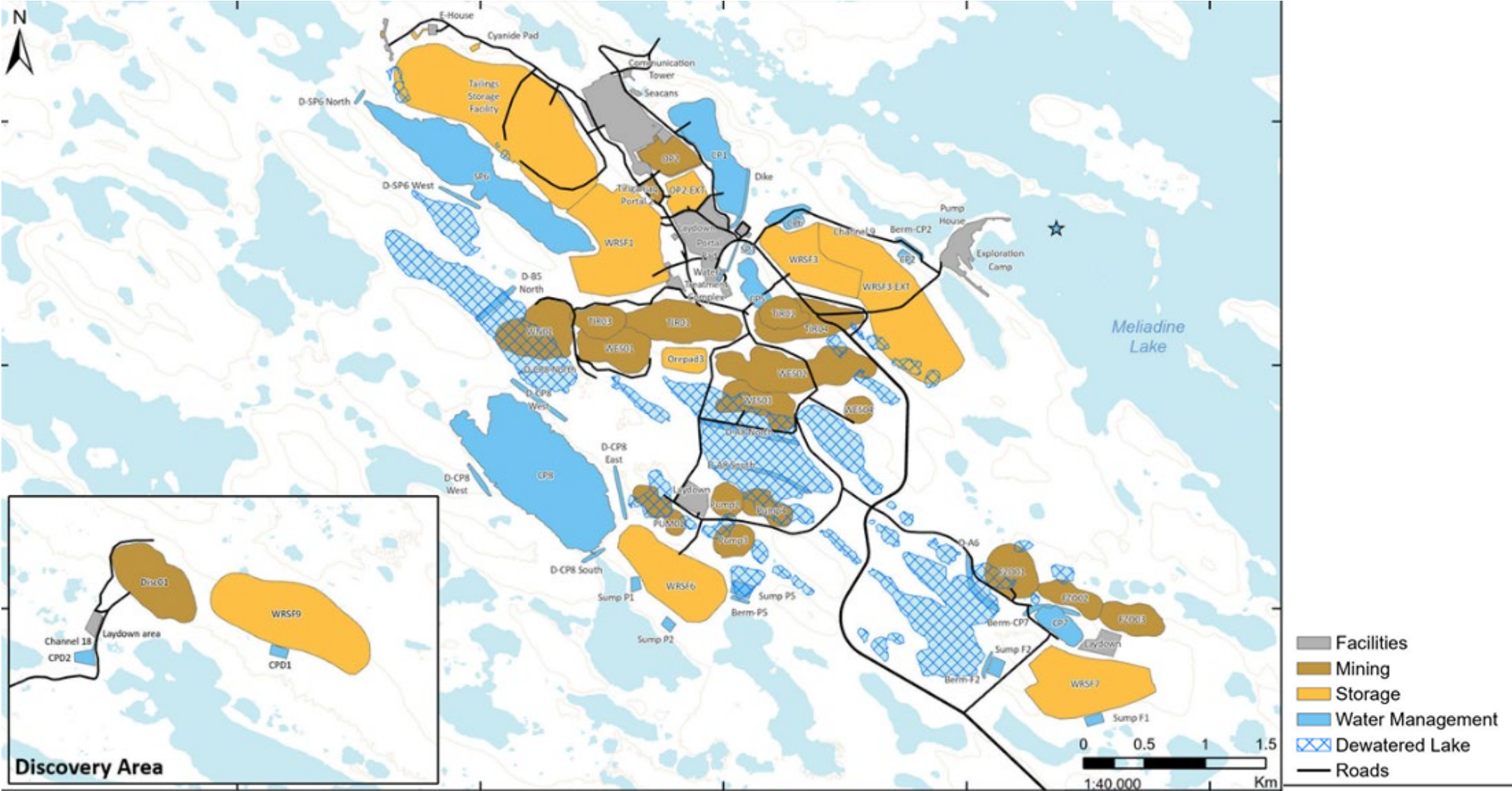
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MELIADINE MINE WATER LICENCE AMENDMENT GENERAL SITE PLAN

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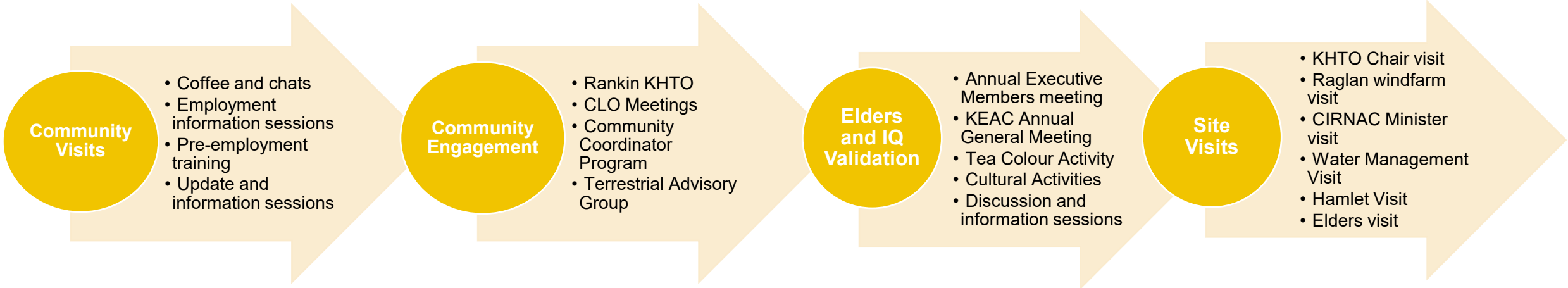
Public Engagement and Community Response Update

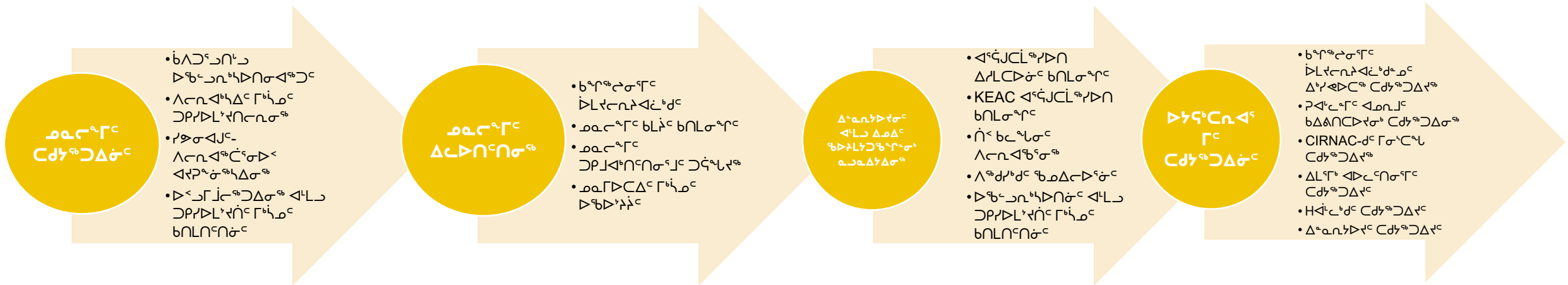
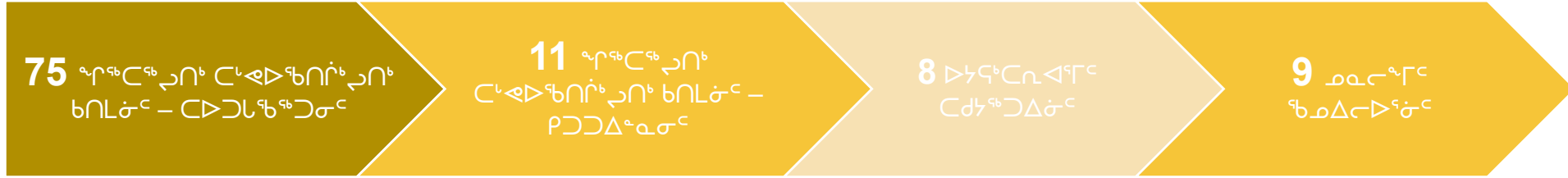
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AGNICO EAGLE







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1th, 2024

navut Water Board, Manager of Licensing

Members of the Kivalliq Elders Advisory Committee and Rankin Inlet elders, we are writing to express our support for the Meliadine Mine Water License Amendment to continue operations. We are supportive of the Meliadine Mine Water License Amendment to continue operations.

Our opinion that the benefits of this project would positively contribute to the Kivalliq, which we would like to encourage the Board in completing the regulatory process in a manner.

won't be available to attend the technical meeting in person, we would like this letter shared at the Technical Meeting during the community session.

For All

Inlet Members of the Kivalliq Elders Advisory Committee

Rosie Olooyuk
Levin Brown
John Holtz

Sincerely,

Harry Towtongie
Mayor



MUNICIPALITY OF RANKIN INLET
Box 310, Rankin Inlet, Nunavut
X0C 0G0

April 8, 2024

Richard Dwyer
Manager of Licensing
Nunavut Water Board
Box 119, Gjoa Haven, NU X0B 1J0
VIA Email richard.dwyer@nwb-oen.ca

The Hamlet Council of Rankin Inlet fully supports the proposed water license amendments submitted by AEM for the Meliadine Mine.

The water license amendment is necessary for Meliadine Mine to continue operations.

It is the council's opinion that the benefits of this project, would positively contribute to the Hamlet of Rankin Inlet, as such we would like to encourage the Board in completing the regulatory process in a timely manner.

We have no concerns with the amendment at this time.

We would like this letter to be shared at the technical meeting during the community session.

Sincerely,

Harry Towtongie
Mayor

Agnico Eagle | NWB Technical Meeting

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Office of the Mayor
Municipality of Baker Lake

April 3rd 2024

To: Nunavut Water Board, Manager of Licensing

As Mayor of the Hamlet of Baker Lake, I am writing this letter on behalf of the council. We are supportive of Agnico Eagles submission for the Meliadine Mine Water License Amendment to ensure the current life of the mine to 2031.

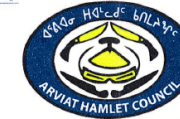
It is in the council's opinion that the benefits of this project, would positively contribute to the Hamlet of Baker Lake, and as such we would like to encourage the Board to complete the regulatory process in a timely manner.

The Hamlet council has no concerns with the amendment, at this time.

As we cannot attend in person, we would like this letter to be shared at the Technical Meeting during the community session.

Sincerely,


Kevin Iksiktaaryuk
Mayor



HAMLET OF ARVIAT

904 6th Street
P.O. Box 150
Arviat, Nunavut, X0C 0E0
Phone 867-857-2841
Facsimile: 867-857-2519
e-mail: sao@arviat.ca

April 10, 2024

**To: Nunavut Water Board
Manager of Licensing**

As Mayor of the Hamlet of Arviat, I am writing this letter on behalf of the Hamlet Council. We are supportive of the Meliadine Mine Water License Amendment to continue their operations.

It is in the council's opinion that the benefits of this project, would positively contribute to the Hamlet and the people of Arviat, as such we would like to encourage the board in completing the regulatory process in a timely manner.

The Hamlet of Arviat has no concerns with the amendment at this time.

We would like this letter to be shared at the technical meeting during the community session.

If you have any questions, please feel free to contact myself at any time.

Yours truly,

Mr. Joe Savikataaq jr.
Mayor of Arviat

Technical Comment Summary

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AGNICO EAGLE



TECHNICAL COMMENT SUMMARY

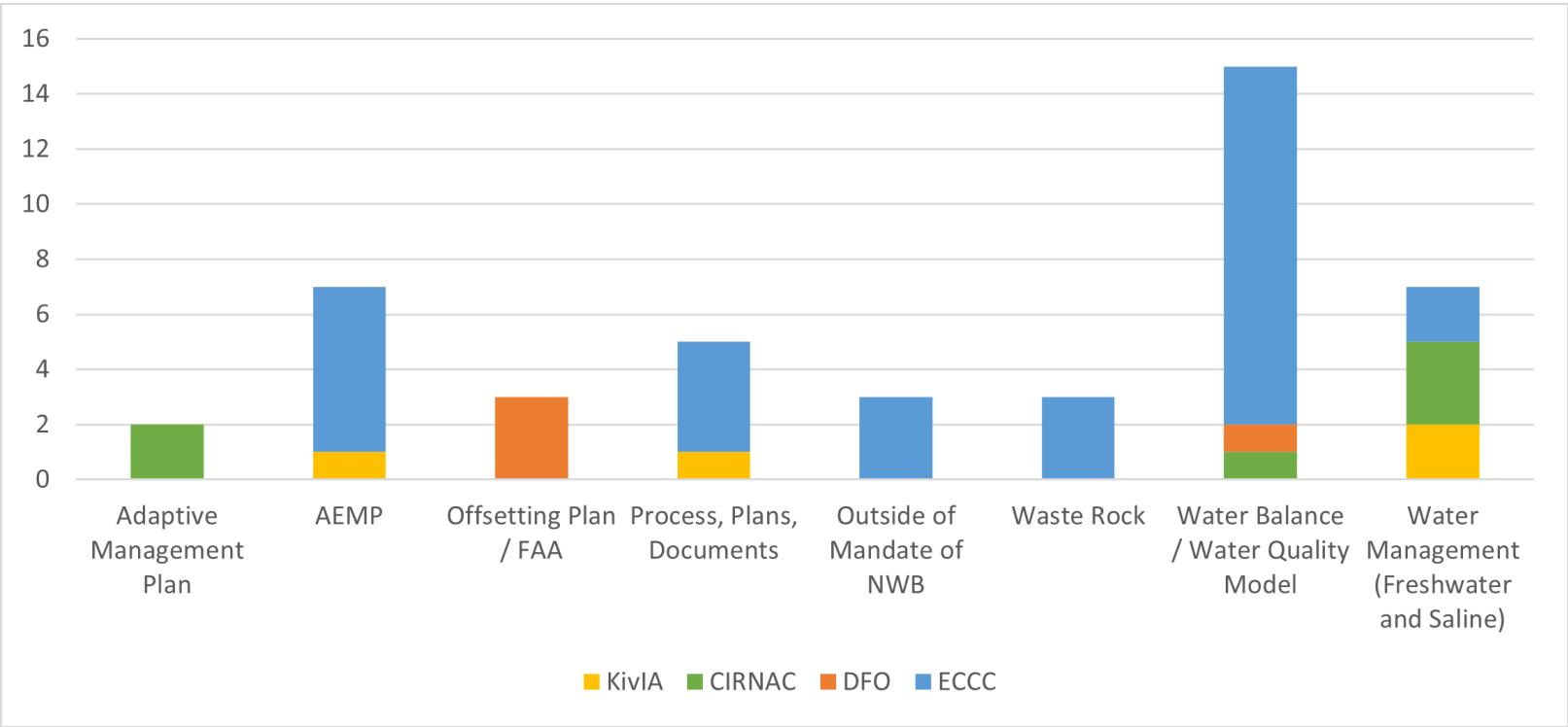
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Resolution of Technical Comment Status ፋይናል ምላሽ ለጎረቤቶች ጥያቄዎች ምላሽ ሪፖርት

Resolved through Response to Technical Comments	Resolved by Commitment	Outside of Mandate of the NWB
KivIA-TC-03	KivIA-TC-01	ECCC-TC-26
KivIA-TC-04	KivIA-TC-02	ECCC-TC-27
CIRNAC-TC-02	CIRNAC-TC-01	ECCC-TC-28
CIRNAC-TC-03	ECCC-TC-08	
CIRNAC-TC-04	ECCC-TC-12	
CIRNAC-TC-05	ECCC-TC-13	
CIRNAC-TC-06	ECCC-TC-18	
DFO-TC-01	ECCC-TC-22	
DFO-TC-02	ECCC-TC-25	
DFO-TC-03		
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ECCC-TC-01		
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ECCC-TC-31		

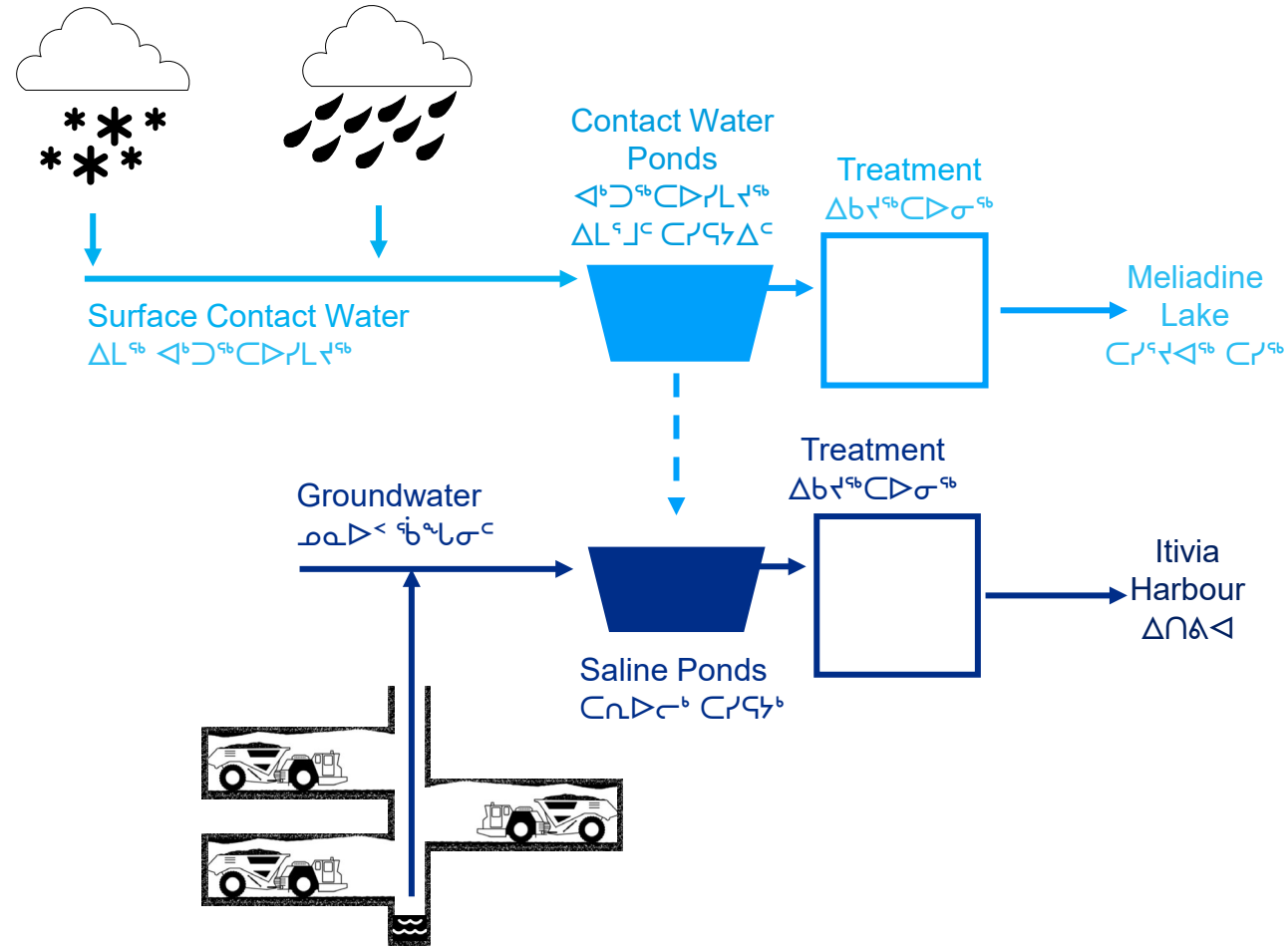
Technical Comment Theme ለጎረቤቶች ጥያቄዎች ምላሽ ሪፖርት



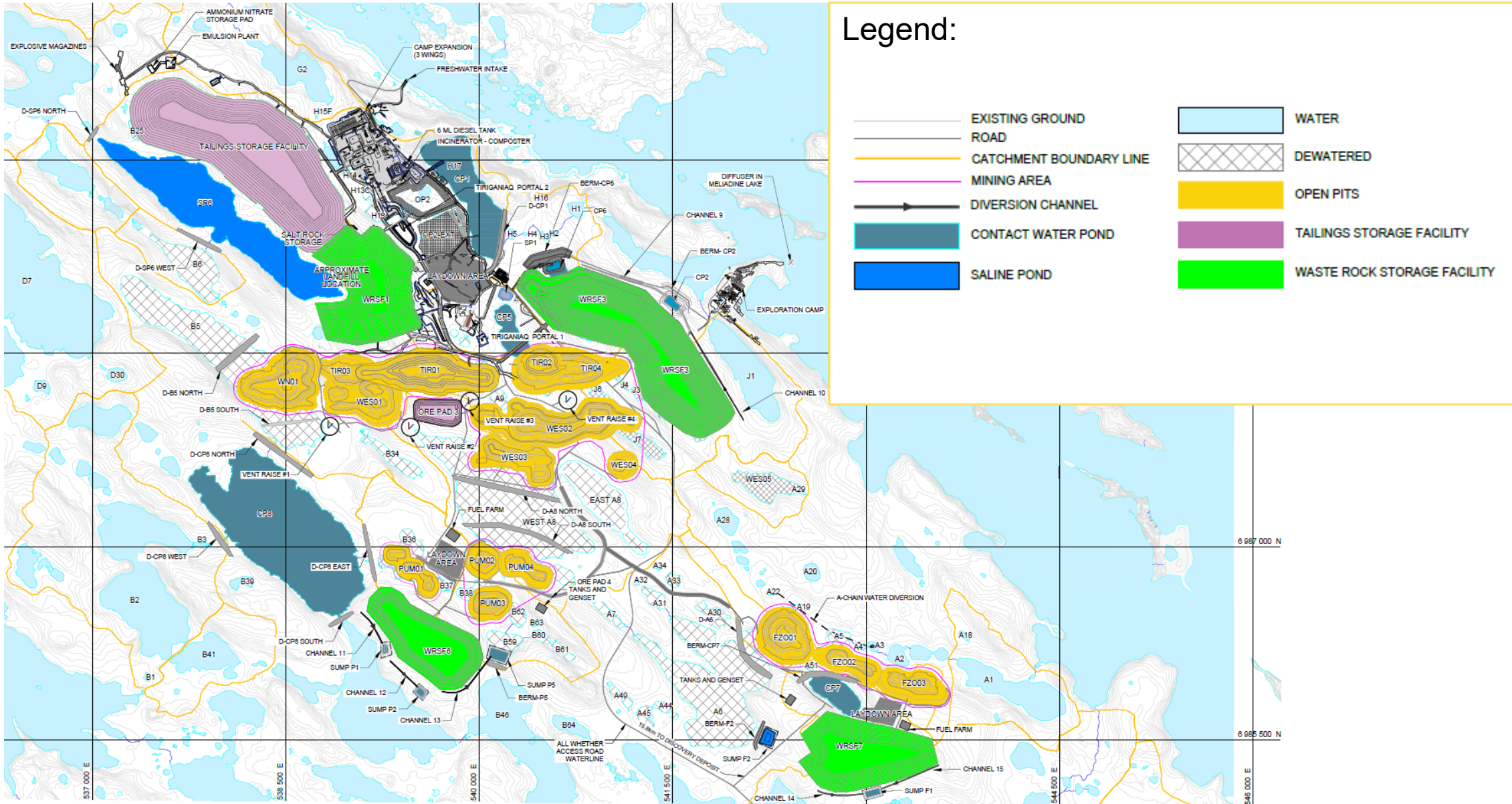
- Technical Comments
 - Summary
 - Water Management
 - Aquatic Effects Monitoring Program (AEMP)
 - Commitments made

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- Meliadine Water Management Flow Diagram



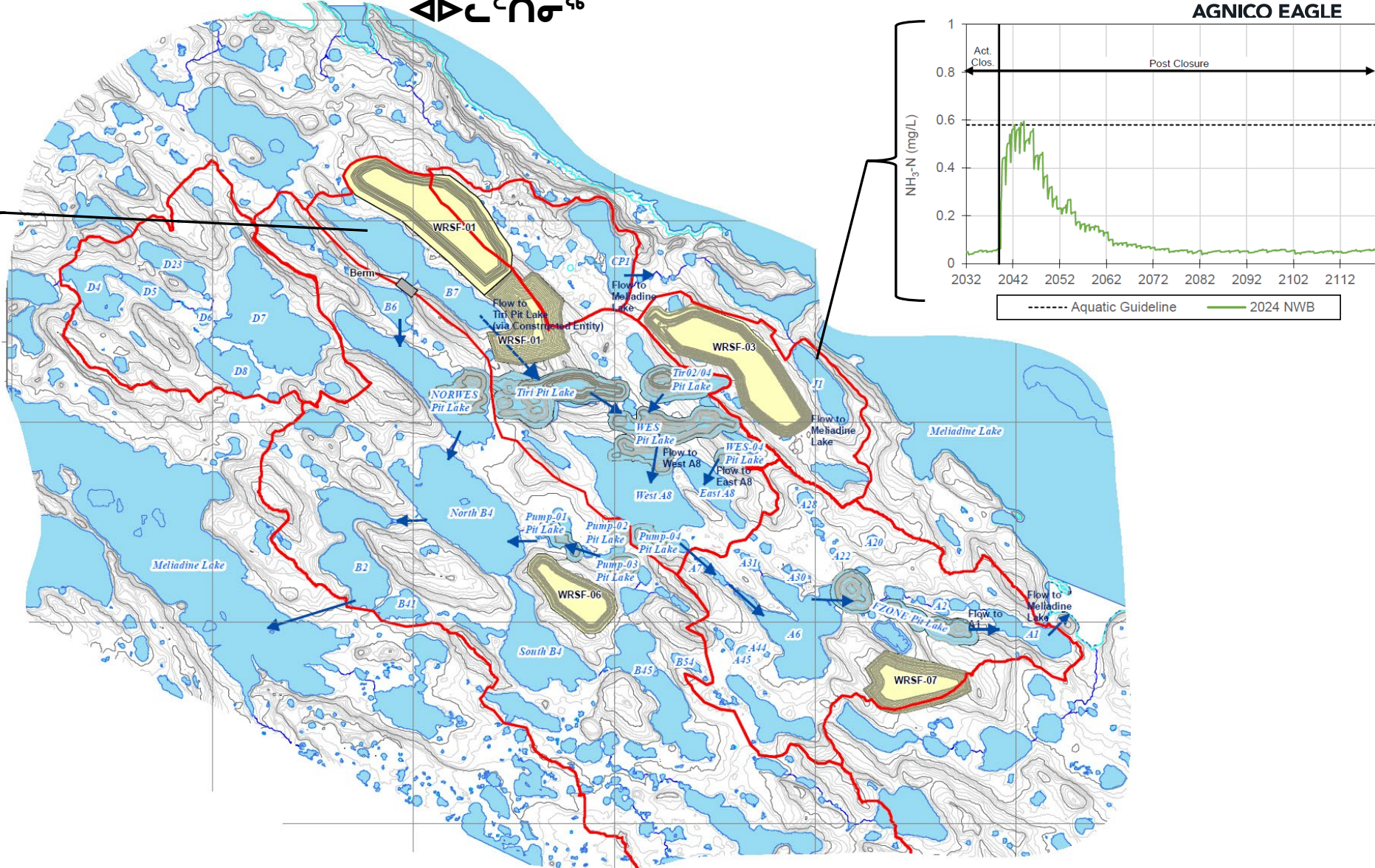
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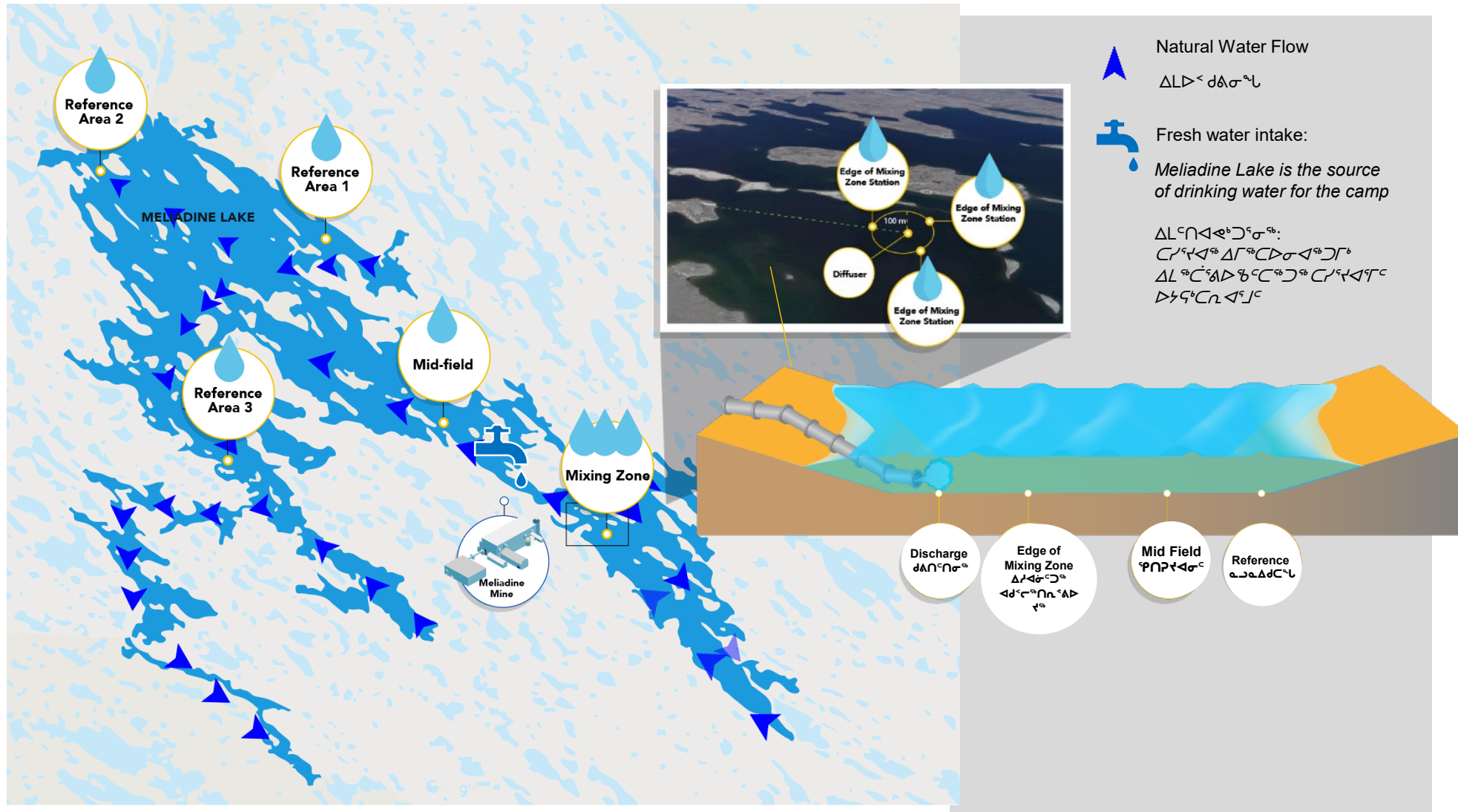


The figure consists of two vertically stacked line graphs. The top graph displays Arsenic (As) concentration in mg/L on the y-axis (0 to 0.1) against time on the x-axis (2032 to 2112). A vertical line at 2039 marks the 'Act. Clos.' (Actual Closure). A horizontal arrow labeled 'Post Closure' spans from 2039 to 2112. A dashed line represents the 'Aquatic Guideline' at approximately 0.025 mg/L. A solid green line represents the '2024 NWB' (Northwest Basin) prediction, which peaks at about 0.028 mg/L around 2042 and then gradually declines, staying above the guideline. The bottom graph displays Selenium (Se) concentration in mg/L on the y-axis (0 to 0.012) against the same time period. It features the same 'Act. Clos.' line at 2039 and 'Post Closure' arrow. The dashed 'Aquatic Guideline' is at approximately 0.001 mg/L. The solid green '2024 NWB' line peaks at about 0.0015 mg/L around 2042 and then declines, remaining below the guideline. A solid black line at 0 mg/L is labeled '2039' in the legend.



TECHNICAL COMMENT SUMMARY – AQUATIC EFFECTS MONITORING PROGRAM

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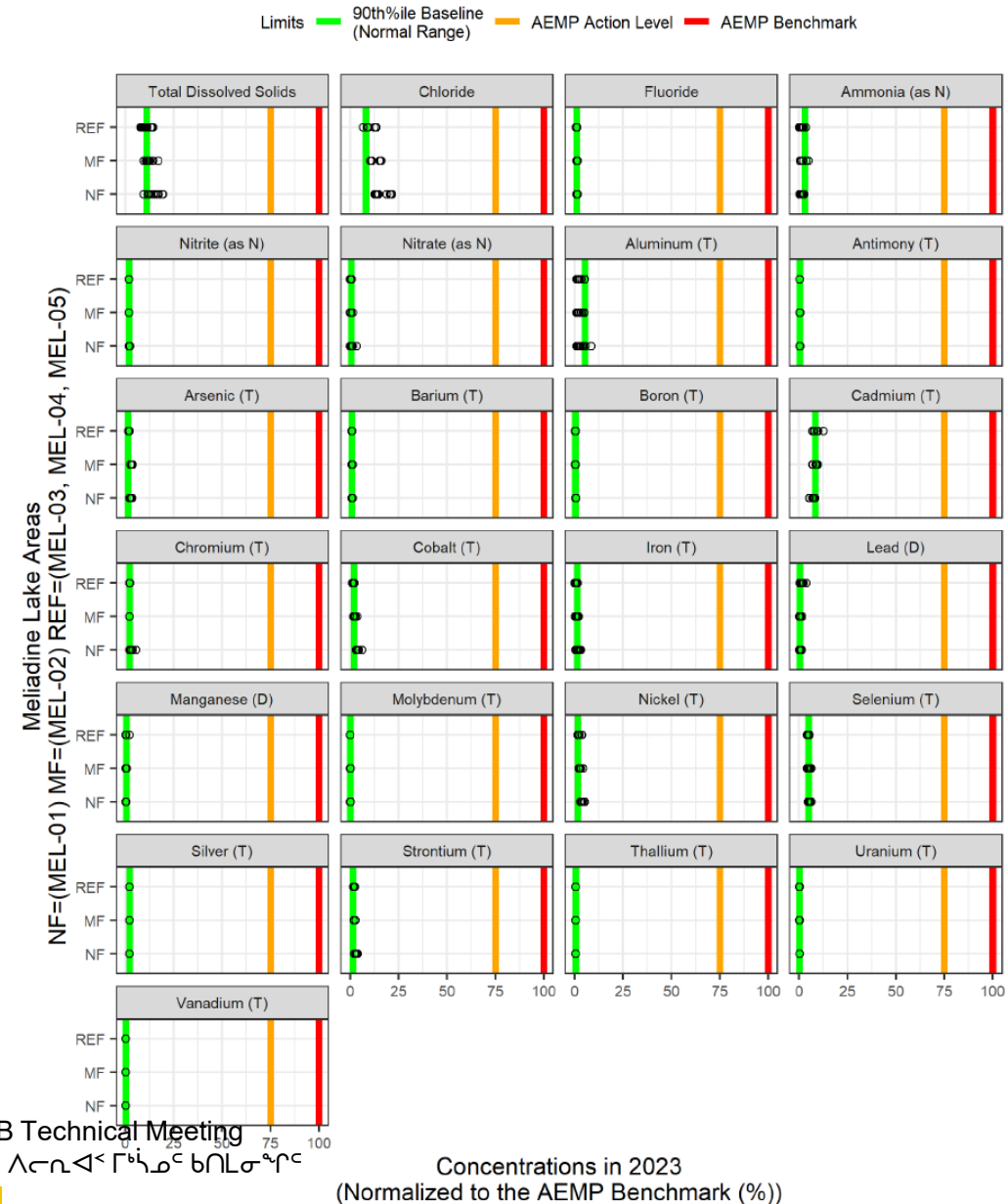


TECHNICAL COMMENT SUMMARY – AQUATIC EFFECTS MONITORING PROGRAM

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- Since operations in 2018, there has been no exceedances in Health Canada Drinking Water Quality guidelines in Meliadine Lake
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Agnico Eagle | NWB Technical Meeting
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Conclusions

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