

Meliadine Extension

Nunavut Water Board Technical Meeting

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October 12-13, 2023
Rankin Inlet, NU

ᐃᑲᑭᑦᑲᑦ 12-13, 2023
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AGNICO EAGLE



PRESENTATION SUMMARY

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- Meliadine Extension Description
- Public Engagement and Community Response Update
- Technical Comments
 - Summary
 - Fisheries
 - Water Model
 - Meliadine Lake / AEMP
 - In-pit Deposition Alternative
 - Security
- Conclusion

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 - ᑕᑭᑦᑲᑦᑲᑦ/AEMP
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• Project Certificate

- **2015:** issuance of Project Certificate No.006
- **2018:** Project Certificate Amendment 001
- **2022:** Project Certificate Amendment 002
- **2023:** Project Certificate Amendment 003, in progress

• Water Licence

- **2016:** issuance of Water Licence 2AM-MEL1631
- **2021:** Water Licence Amendment

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- **2015:** ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ 006
- **2018:** ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ 001
- **2022:** ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ 002
- **2023:** ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ 003

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- **2016:** ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ 2AM-MEL1631
- **2021:** ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ

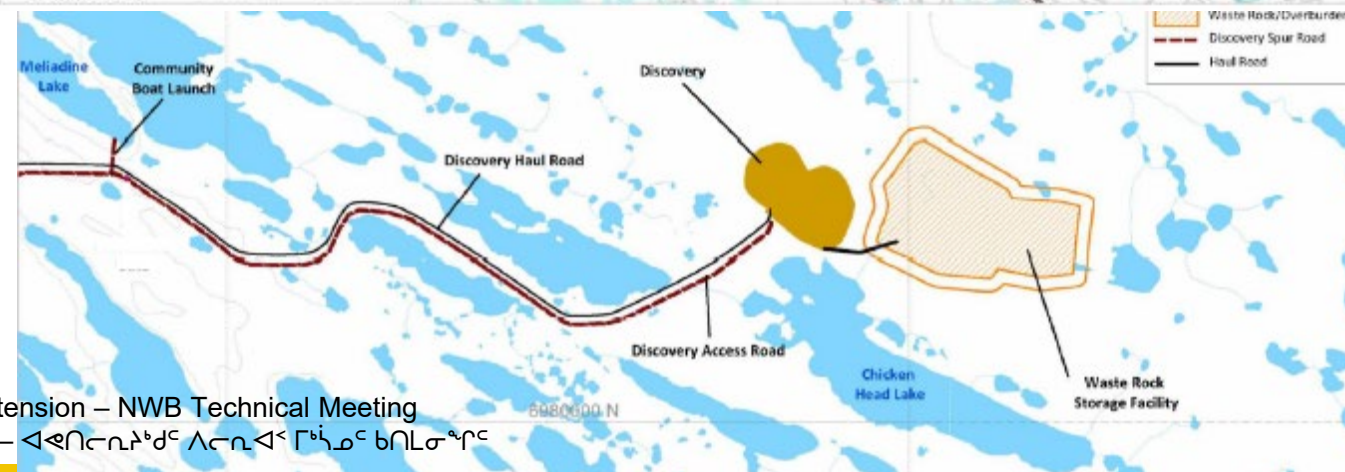
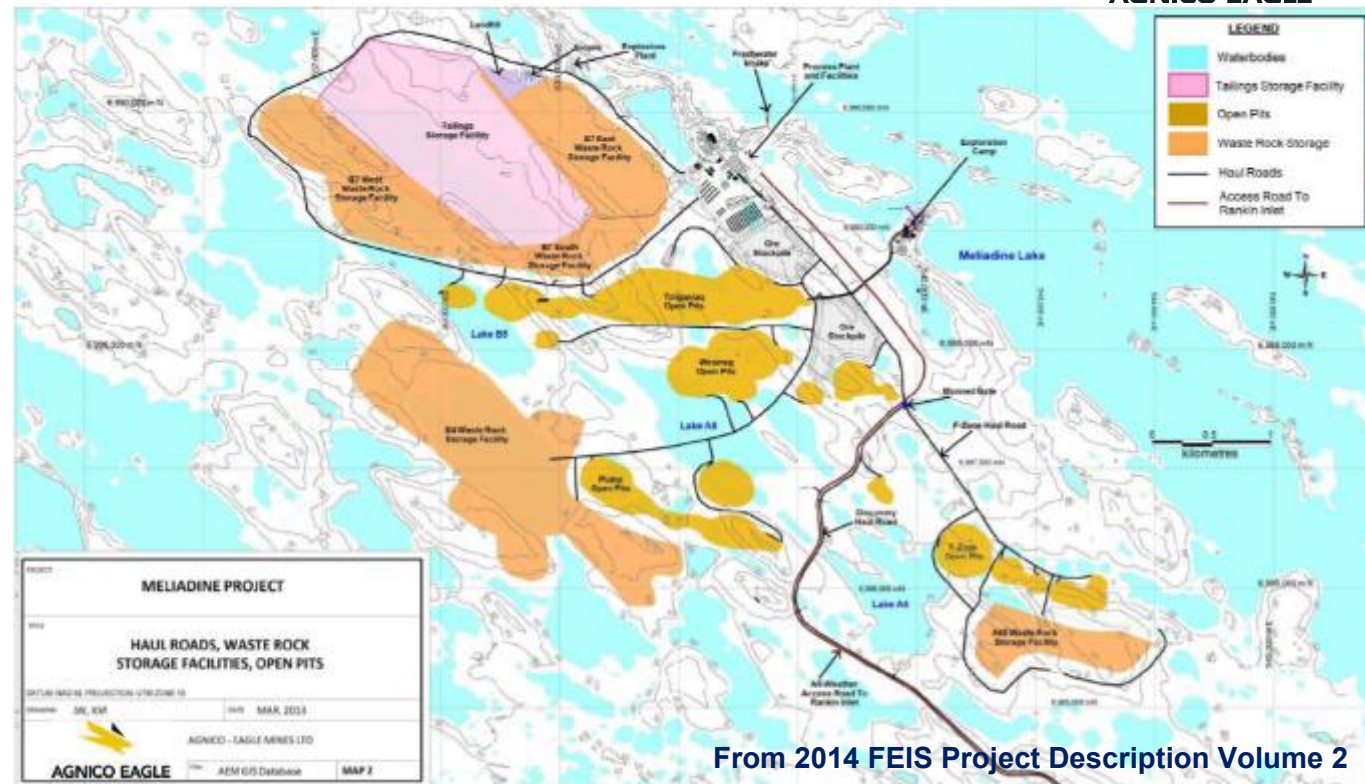
2014 FEIS HISTORY

2014 FEIS-ᠮᠤᠨᠭᠡᠢᠰᠦᠶ᠋ᠱᠣᠩᠪᠴᠢ



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- 2014 assessment included:
 - Tiriganiaq deposit using open pit and underground mining methods
 - Pump, F Zone, Wesmeg, and Discovery deposits using open pit methods
 - All-weather access road
 - Discovery road
 - Ore processing (8,500 tpd)
- 2014 ᑭᓂᐅᔨኃልሚና ልረጋገጥ፡
 - በቢሪማንያ ለርሱፊ ልጋግጦች ያለው የዳይሬክቶሬት ልምድ ያለው ልጋግጦች ያሉበት አካባቢ ልጋግጦች ልማት
 - Pump-ገጽ, F Zone-ገጽ, Wesmeg-ገጽ, ልምድ Discovery-ገጽ ለርሱፊ ልጋግጦች ያለው የዳይሬክቶሬት ልማት
 - ምዕራባዊ ልማት
 - ቦክሲት (Discover) ልማት
 - ካልኒየም ለመስጠት (8,500 tpd)



Approved Water Licence

- Only open pit and underground mining of the Tiriganiaq deposit
- Operations to 2027 (plus initial closure to 2031)

2020 Water Licence Amendment

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

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- $\Delta^b d \Delta^a \bar{u} \bar{d} \Gamma^c \Delta^b L \rightarrow \text{mass} > \Delta \rightarrow \Delta^c \rightarrow \Delta^b \bar{u} \bar{d} \Gamma^c \sigma^a \Gamma^c$
 $\Pi \Pi \bar{u} \bar{d} \Delta^b \wedge \bar{u} \bar{d}$
- $\Delta \Delta \bar{u} \bar{d} \rightarrow 2027 - \Gamma^c$ ($\Delta^b d \Delta^a \bar{u} \bar{d} \leftarrow \bar{u} \bar{d} \Delta \Pi \rightarrow \Delta \rightarrow 2031 - \Gamma^c$)

2020 ልደጋ ርቀርታ አስተሳሰብ

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- $\text{ለሚገኝ ህግጋት ለሚገኝ ህግጋት};$
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MELIADINE EXTENSION SEQUENCING

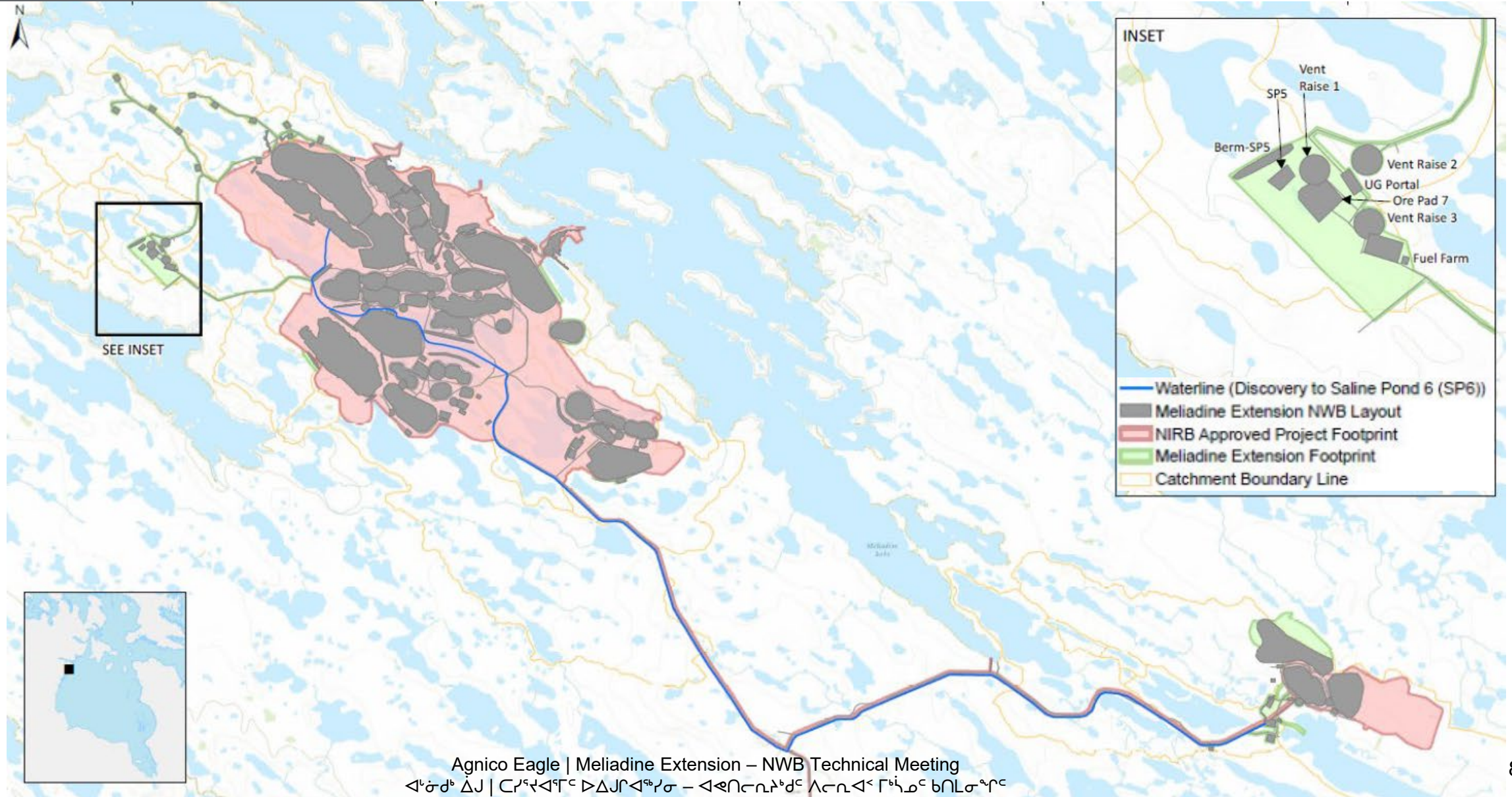
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MELIADINE EXTENSION – NIRB APPROVED FOOTPRINT VS MELIADINE EXTENSION



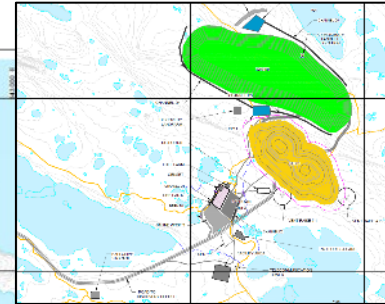
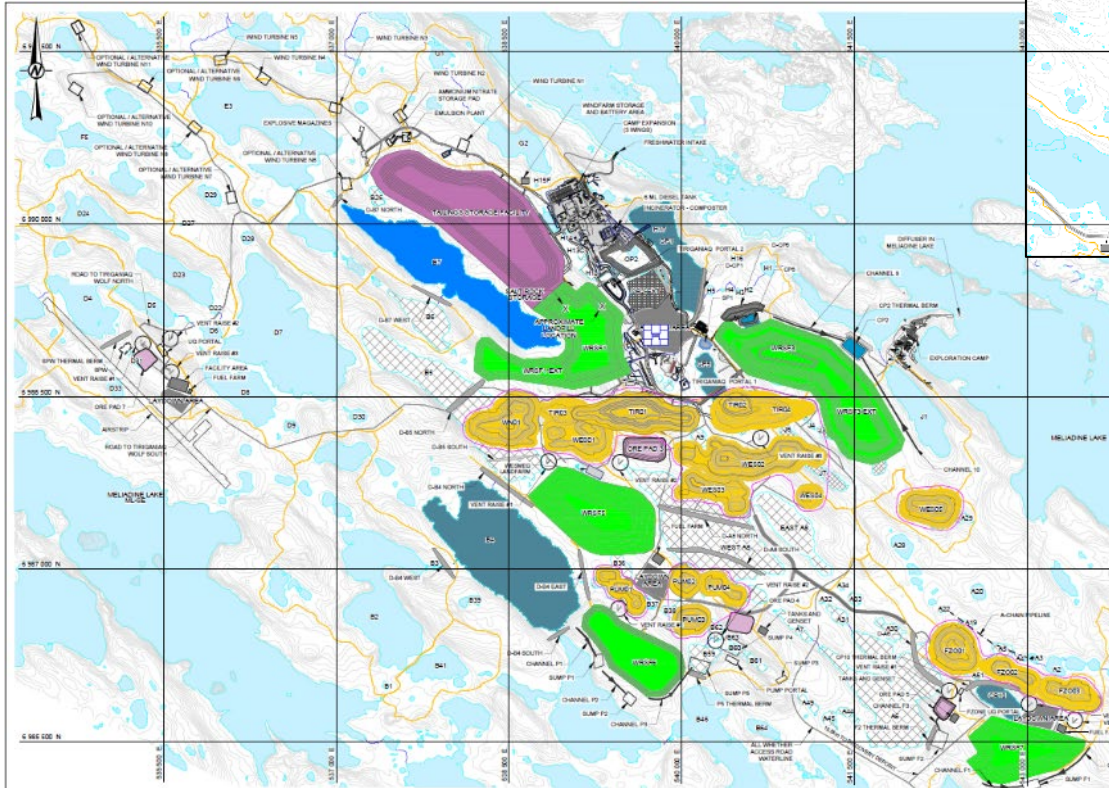
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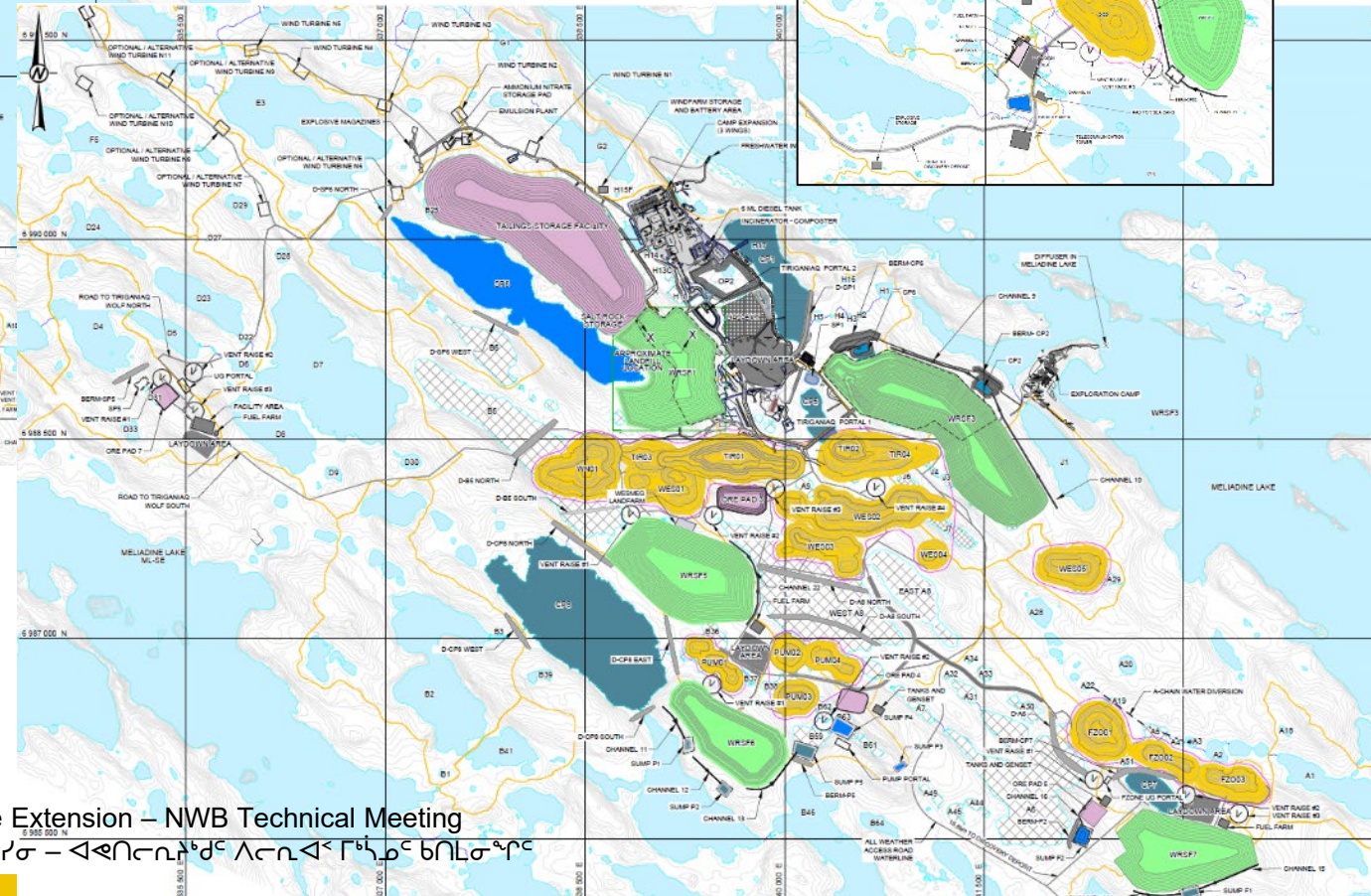
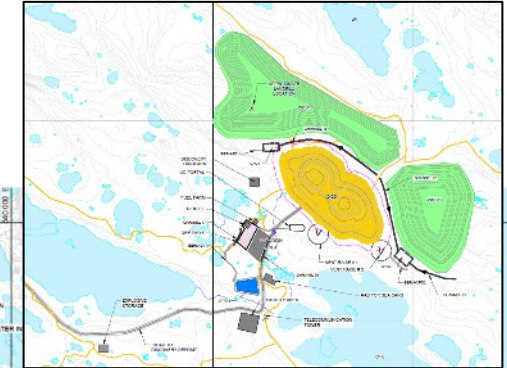


MELIADINE EXTENSION – REFINED SITE LAYOUT

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NWB – Water Licence Amendment ᓇᓇᓇᑦᑦᑦᑦᑦ ᐃᓂᐅᑦᑦᑦᑦᑦ – ᐃᓂᐅᑦᑦᑦᑦᑦ ᐃᓂᐅᑦᑦᑦᑦᑦ



NIRB – 2022 FEIS Addendum ᐃᓂᐅᑦᑦᑦᑦᑦ – 2022 FEIS-ᑦ ᑎᑎᑦᑦᑦᑦᑦ ᐃᓂᐅᑦᑦᑦᑦᑦ

Public Engagement and Community Response Update

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Water Management Engagement 2023

- Discussions surrounding water quality and the health of Meliadine Lake led to the collaborative idea with the KivIA of a site visit to Meliadine Mine
- Firsthand understanding of how water is managed at site
- Included a tea tasting of Meliadine Lake Water (water intake) and accommodations complex water (treated tap water)
- Overview of water quality and tea properties that affect the colour and clarity of brewed tea



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Technical Comment Summary

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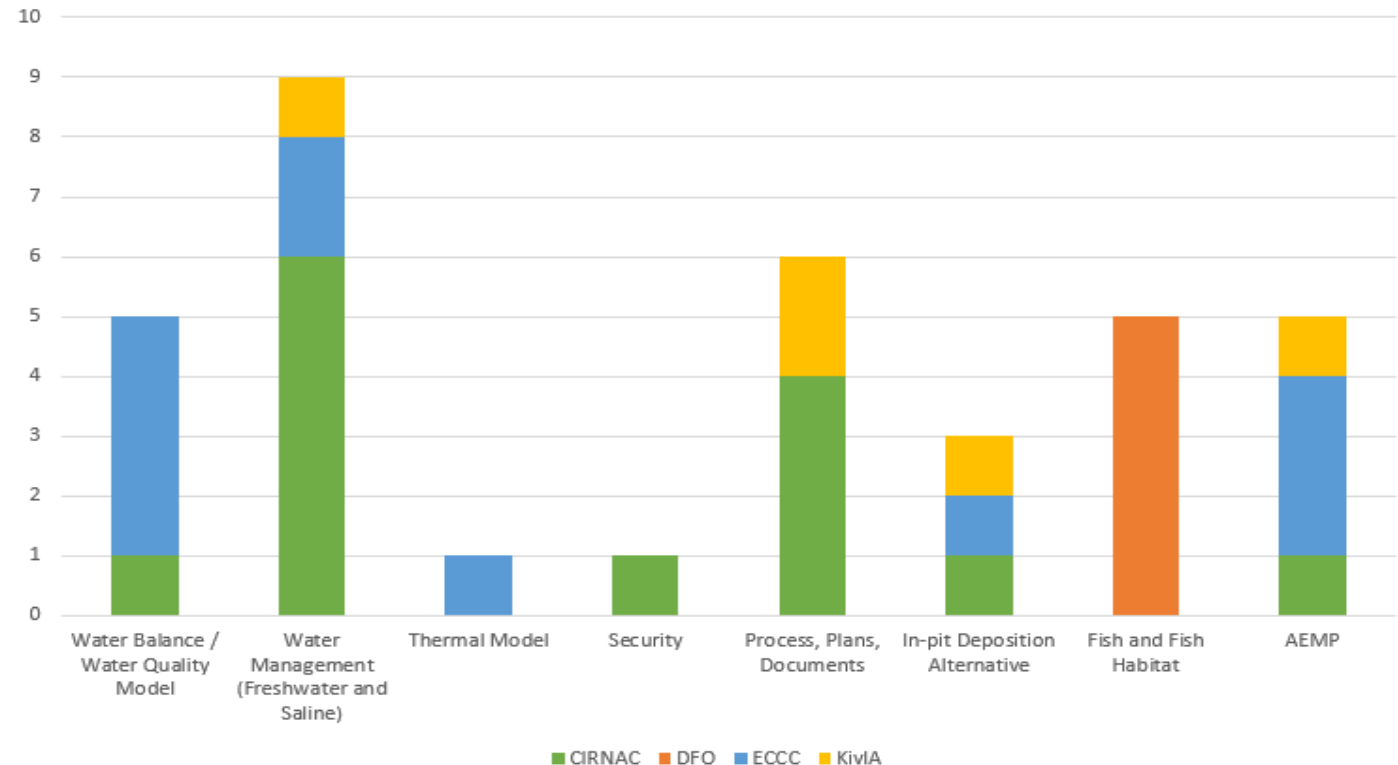
TECHNICAL COMMENT SUMMARY

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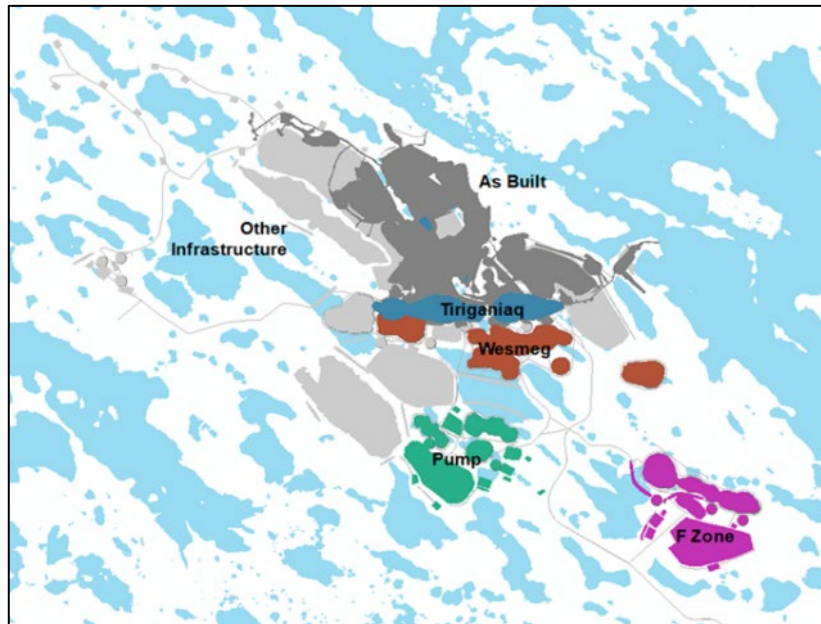
Resolved through Response to Technical Comments	Resolved based on Current Operations / Annual Reporting	Resolved through Term and Condition, Commitment, NIRB Assessment	Resolved through Existing Conditions of Water Licence for WBWQ Forecast Updates	Resolved through Fisheries Act / Offsetting Plan
KivIA-TRC-04	KivIA-TRC-02	KivIA-TRC-01	KivIA-TRC-05	DFO-TRC-01
CIRNAC-R-03	KivIA-TRC-03	CIRNAC-R-01	CIRNAC-R-04	DFO-TRC-02
CIRNAC-R-05	CIRNAC-R-08	CIRNAC-R-02	ECCC-TRC-03	DFO-TRC-03
CIRNAC-R-06	CIRNAC-R-13		ECCC-TRC-09	
CIRNAC-R-07	ECCC-TRC-04			
CIRNAC-R-09				
CIRNAC-R-10				
CIRNAC-R-11				
CIRNAC-R-12				
CIRNAC-R-14				
ECCC-TRC-01				
ECCC-TRC-02				
ECCC-TRC-05				
ECCC-TRC-06				
ECCC-TRC-07				
ECCC-TRC-08				
ECCC-TRC-10				
ECCC-TRC-11				
DFO-TRC-04				
DFO-TRC-05				

Category	Green (Water Management)	Blue (Water Balance)	Yellow (Thermal Model)	Green (Security)	Yellow (Process, Plans, Documents)
Water Balance / Water Quality Model	1	4	0	0	0
Water Management (Freshwater and Marine)	6	2	1	0	0
Thermal Model	0	1	0	0	0
Security	1	0	0	0	0
Process, Plans, and Documents	4	0	2	0	0



TECHNICAL COMMENT SUMMARY – FISHERIES

- Anticipated impacts to fish and fish habitat are well documented and understood.
- Conservative approach to determining losses of fish and fish habitat
- Conservative Assumptions:
 - All impacts occur on day 1 of the extension project
 - More diverse fish communities
 - All impacts are a complete loss of fish habitat
 - Reduced flows to downstream areas are a complete loss of fish habitat
- Fish habitat loss calculations were based on the above assumptions.



Agnico Eagle | Meliadine Extension – NWB Technical Meeting

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Table 2-5:
Open pit and underground mine water management schedule

Calendar Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Mine Year	-4	-3	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Approved Mining	M	M	M	M	M																			
TIRJ02	M	Saline contact water storage					M	M	D	D	D	D	D	D	D	D	D	D	x	x	x	x	x	x
TIRJ01	-	M	M	M	M	M	M	M	D	D	D	D	D	D	D	D	D	D	x	x	x	x	x	x
TIRJ03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	x	x	x
TIRJ04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M
TIRJ UG	-	-	-	-	U	U	U	U	U	U	U	U	U	U	U	U	U	U	x	x	x	x	x	x
TIRJ-Wolf UG	-	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U	U	U	U	U	U	U	U
WES04	-	-	-	-	M	M	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
WES01	-	-	-	-	-	M	M	M	M	D	D	D	D	D	D	D	D	D	x	x	x	x	x	x
WN01	-	-	-	-	-	-	M	M	M	M	M	D	D	D	D	D	D	x	x	x	x	x	x	x
WES02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	x	x	x	x
WES03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	x	x	x
WES05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	x	x
PUMP03	-	-	-	-	-	-	-	-	M	M	M	D	D	D	D	D	x	x	x	x	x	x	x	x
PUMP01	-	-	-	-	-	-	-	-	-	M	M	M	x	x	x	x	x	x	x	x	x	x	x	x
PUMP02	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	x	x	x	x	x	x	x	x
PUMP04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	x	x	x	x	x	x	x
PUMP UG	-	-	-	-	-	-	-	-	-	U	U	U	U	U	U	U	x	x	x	x	x	x	x	x
F ZONE01	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	D	D	D	D	D	x	x	x	x
F ZONE02	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	D	D	D	x	x	x	x
F ZONE03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	D	D	D	x	x	x	x
F ZONE UG	-	-	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U	U	U	x	x	x	x
Discovery	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	M	x	x	x	x	x	x	x
Discovery UG	-	-	-	-	-	-	U	U	U	U	U	U	x	x	x	x	x	x	x	x	x	x	x	x

M = Open pit (OP) mining and dewatering

U = Underground mining

- = Pre-mining

D = finished mining (OP), still dewatering

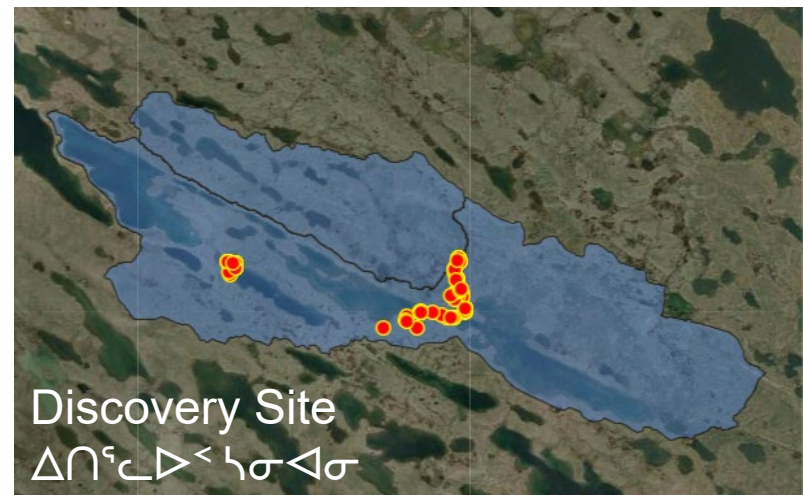
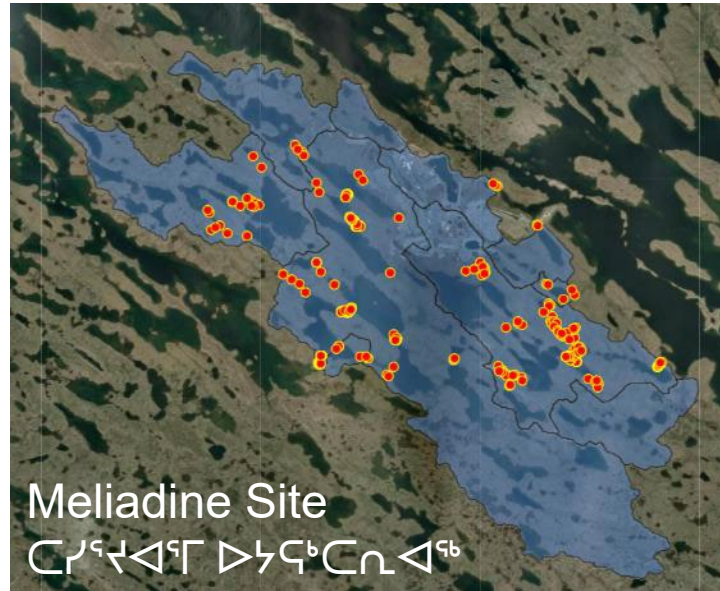
x = finished mining (UG or OP), no dewatering

TECHNICAL COMMENT SUMMARY – FISHERIES – OFFSETTING PLAN

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- Extensive consultation with Fisheries and Oceans Canada to determine locations and types of data to be collected in 2023.
 - Focus on seasonal use of habitats
 - Connectivity during the freshet
- Detailed field data collection at Pistol Bay in support of the Meliadine Extension Offsetting Plan
 - Hydrology
 - Fisheries (Arctic Char)



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TECHNICAL COMMENT SUMMARY – FISHERIES – OFFSETTING PLAN

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- Updates to the offsetting plan:
 - July 2022: Conceptual Plan (submitted to the NIRB)
 - January 2023: Detailed plan (submitted to DFO and the NWB)
 - June 2023: Updates included assumed presence based on nearby observations, losses due to reduced flows (submitted to DFO)
 - July 2023: Updates loss calculations to biomass (submitted to DFO and to the NWB in September)
- Final plan to be submitted with *Fisheries Act* Authorization Package (anticipated Q1 2024)



- ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ
- ᑭᑦᑭᑦᑭᑦ 2022: ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ (ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ)
- ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ 2023: ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ (ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ)
- ᑭᑦᑭᑦᑭᑦ 2023: ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ (ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ)
- ᑭᑦᑭᑦᑭᑦ 2023: ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ
- ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ (ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ)

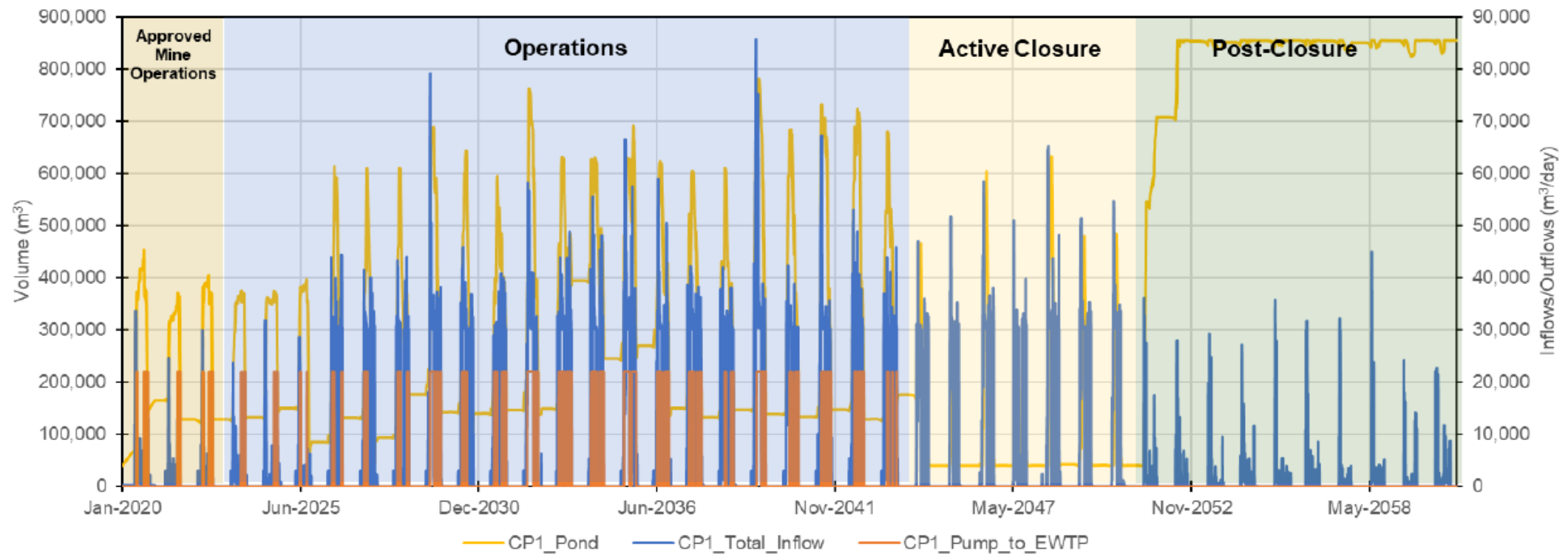
TECHNICAL COMMENT SUMMARY – WATER MODEL

ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ
ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ



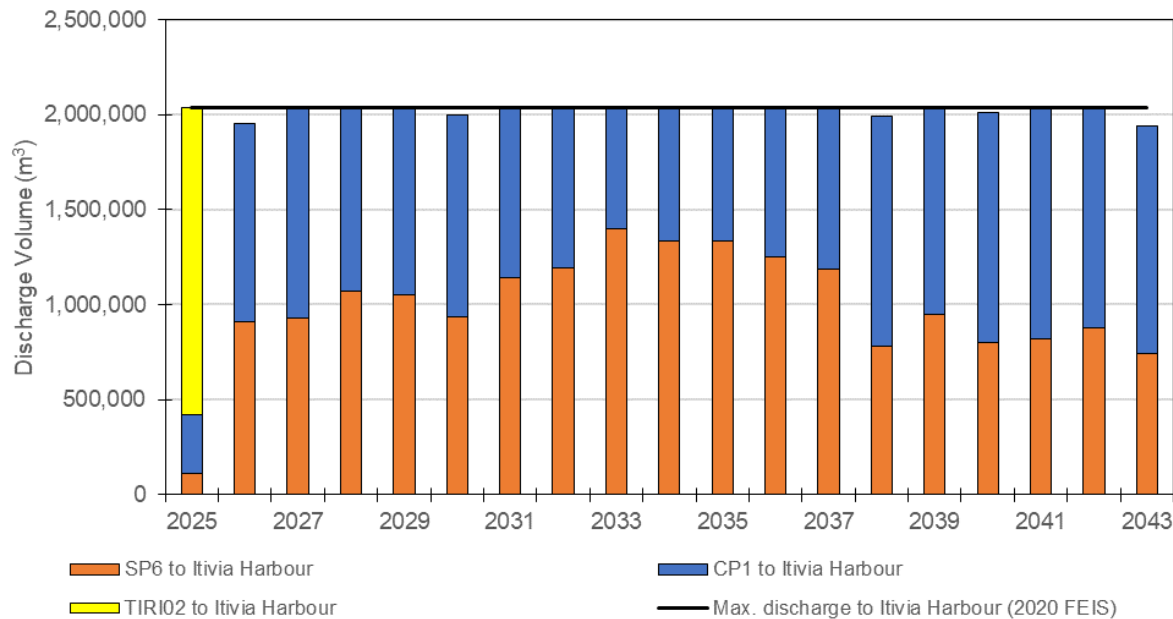
- Pond volume predictions

- ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ ᐱᓕᓂᐱᓪ

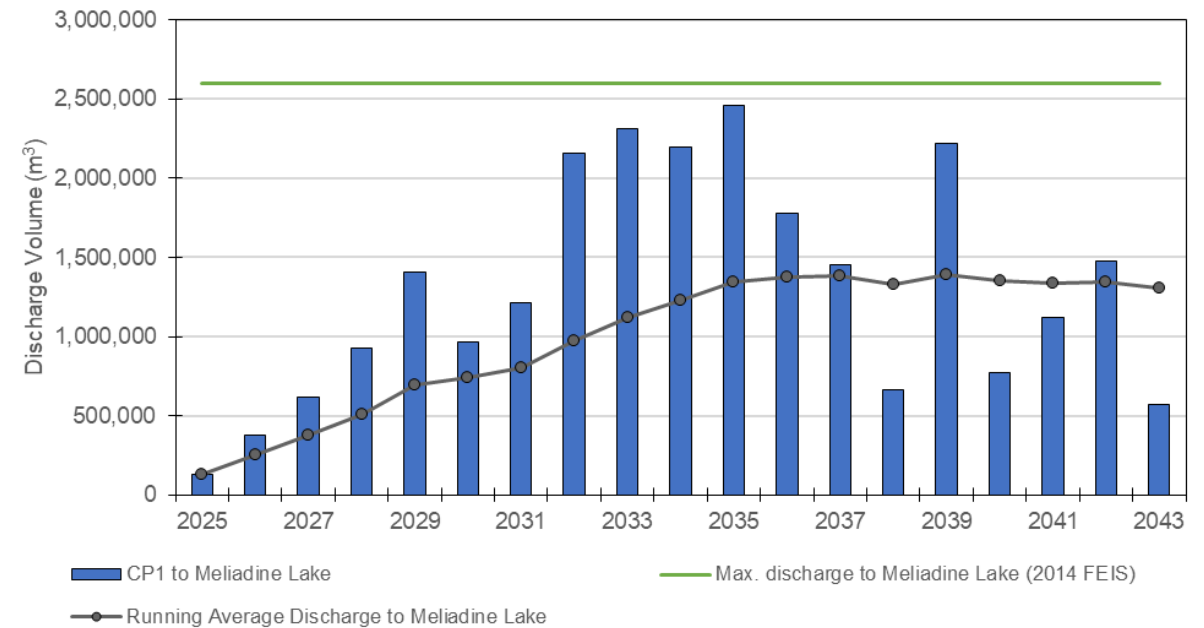


TECHNICAL COMMENT SUMMARY – WATER MODEL

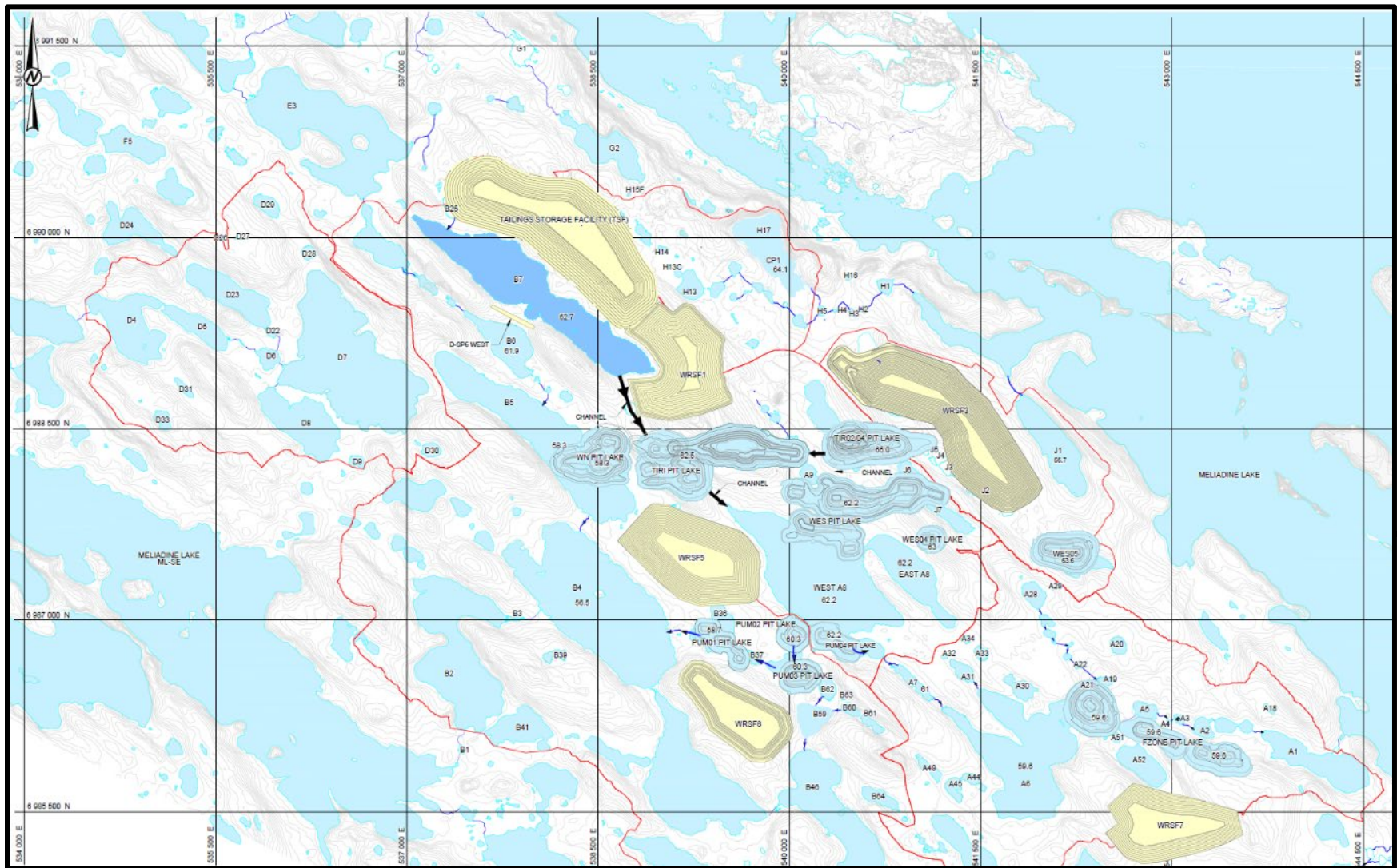
- Discharge (saline water) to Itivia Harbour
- $d\Delta n^c n\sigma^{qb} (C_{NL} \triangleright c^b \Delta L^{qb}) \Delta n \Delta \triangleleft \rho^c$

[illegible]

- Discharge (contact water) to Meliadine Lake
- $d\Delta \cap^c \cap \sigma^{sb} (\triangleleft^b \triangleright^{sb} C \triangleright \rho L \varphi \Gamma^b \Delta L \varphi \Gamma^c) C \rho^{sb} \triangleleft^s J^c$

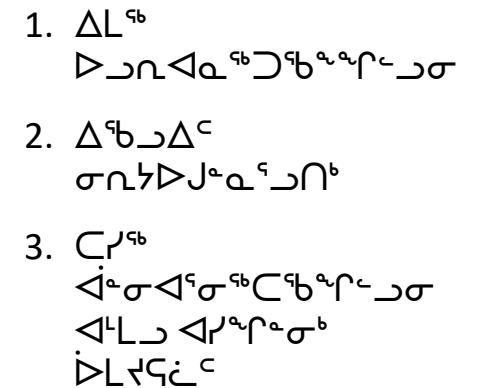


ΛΓΠ< Γ^bΨ^c ▷^cβ▷γ▷ζ^c ρΔξ^cϒΛζ^c – ΔΛJ^c ΛΓΠ<^c



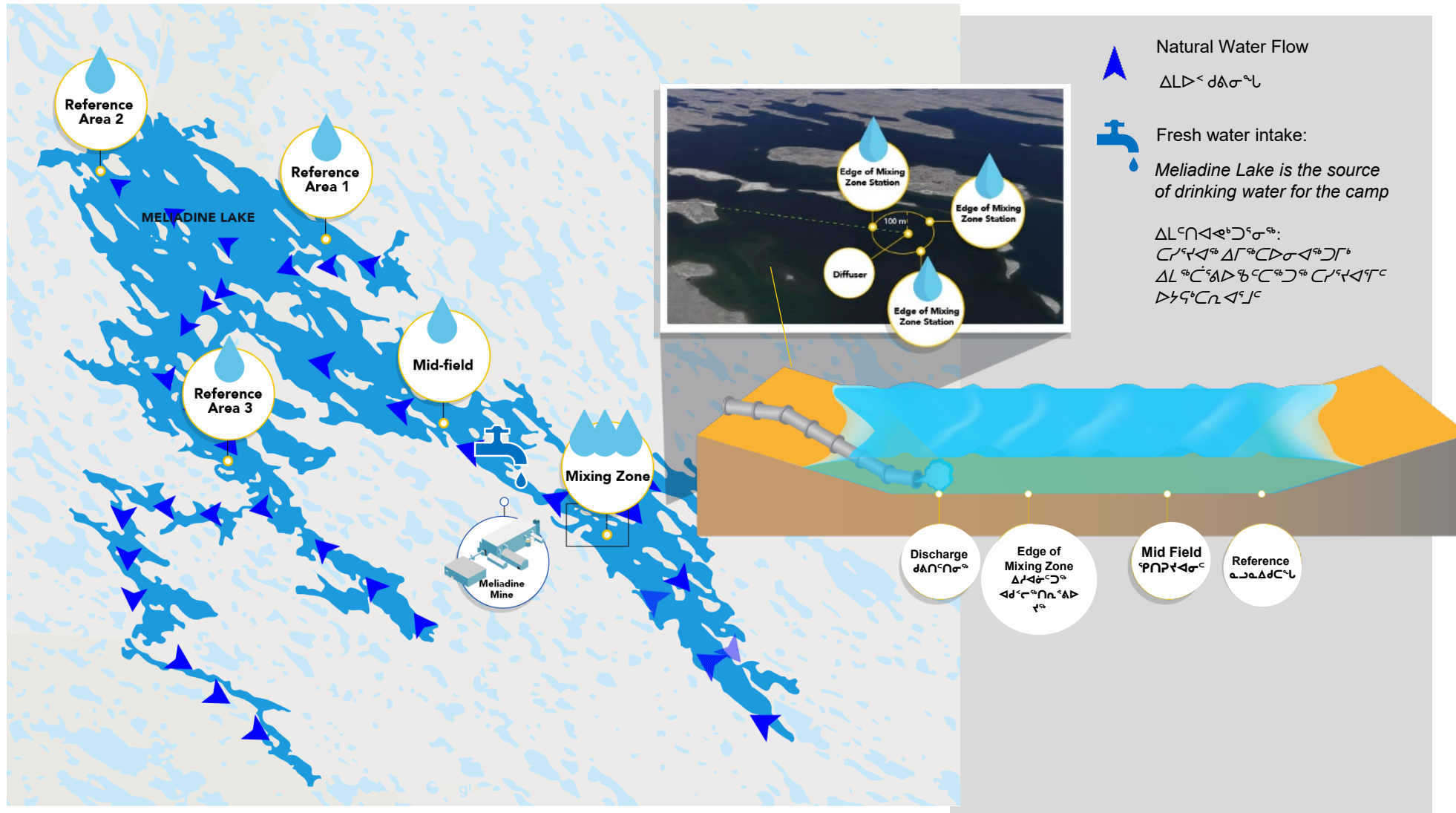
$\Delta L^{\epsilon} \Gamma \triangleright C \Delta^C \triangleleft^b \supset^b C \triangleright \sigma^a \rho^b$
 $\supset^b \triangleright \lambda^{\epsilon} \sigma^{\epsilon} \sqcup^C \wedge C \neg \triangleleft^{\supset^b} -$
 $\rho^a \triangleright \otimes?$

- ሳይሆን ለሌሎች ምሳሌ ሆኖ ለሌሎች ምሳሌ ሆኖ
 ለሌሎች ምሳሌ ሆኖ ለሌሎች ምሳሌ ሆኖ፡



TECHNICAL COMMENT SUMMARY – MELIADINE LAKE MONITORING AREAS

ለፍጥነት ምክንያት ምንም ዓይነት ምርመራ ያልተደረገበትን ምርት ለማግኘት ምርመራውን ማድረግ አስቸኳይ ነው።

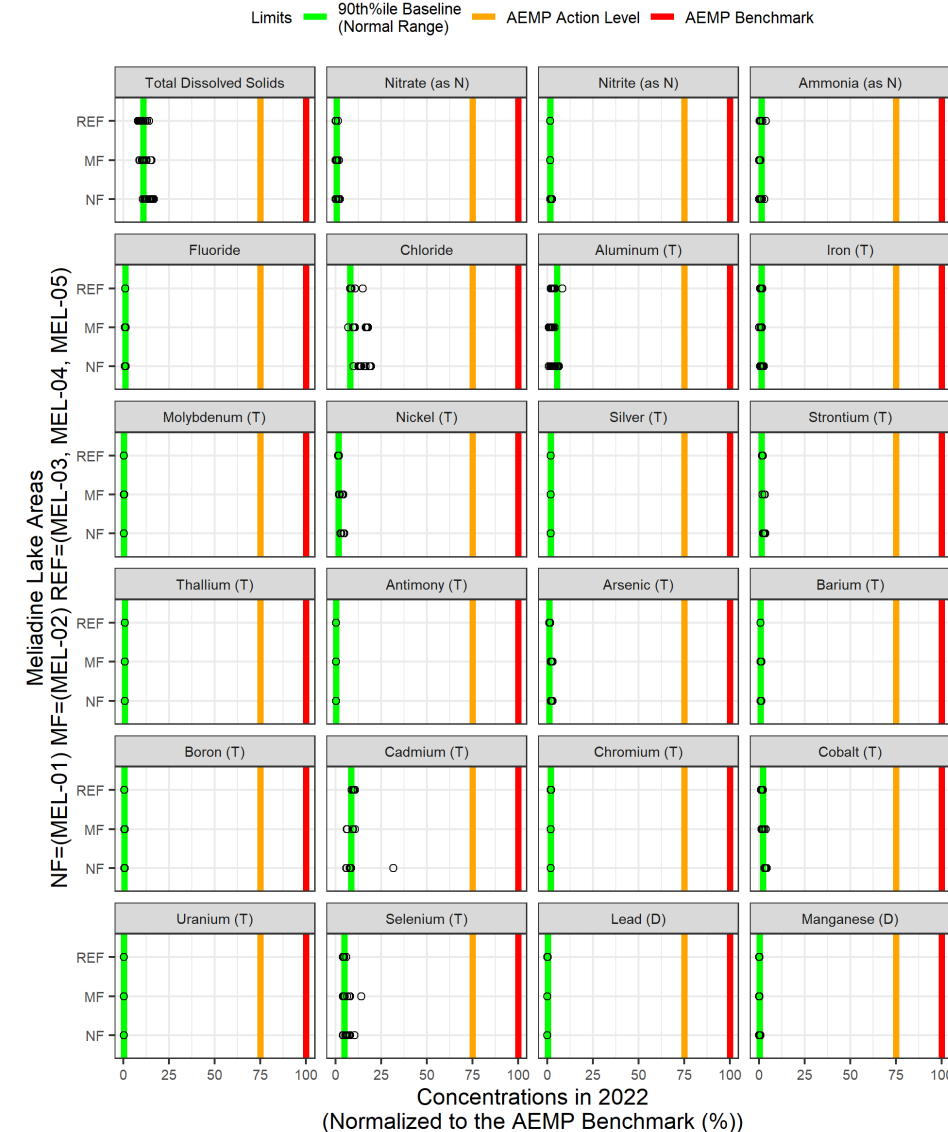


[illegible]

-
- Meliadine Lake - Near Field**
- Criteria**
— AEMP Benchmark
— AEMP Action Level
— Normal Range
- Phase**
● Baseline | Control
● Pre-construction
● Construction
● Operations
- Mixing Model**
— FEIS (2014)
— WLA (2020)
— FEIS (2022)
- Total Dissolved Solids (Calculated) (mg/L)**
- Year**
- | Year | Baseline Control (mg/L) | Pre-construction (mg/L) | Construction (mg/L) | Operations (mg/L) | FEIS (2014) (mg/L) | WLA (2020) (mg/L) | FEIS (2022) (mg/L) |
|------|---------------------------|-------------------------|---------------------|-------------------|--------------------|-------------------|--------------------|
| 2008 | 25 | | | | 25 | | 25 |
| 2010 | 25 | | | | 25 | | 25 |
| 2012 | 25 | | | | 25 | | 25 |
| 2014 | 25 | | | | 25 | | 25 |
| 2016 | 25 | 25 | | | 25 | | 25 |
| 2018 | 25 | 25 | 25 | | 25 | | 25 |
| 2020 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2022 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2024 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2026 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2028 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2030 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2032 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2034 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2036 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2038 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2040 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2042 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2044 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2046 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2048 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2050 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |

TECHNICAL COMMENT SUMMARY – WATER QUALITY IN MELIADINE LAKE

- Concentrations of parameters with aquatic life and human health guidelines are low throughout Meliadine Lake, including in samples collected at 100 m to 250 from the discharge location.
- Concentrations of parameters with aquatic life and human health guidelines are low throughout Meliadine Lake, including in samples collected at 100 m to 250 from the discharge location.

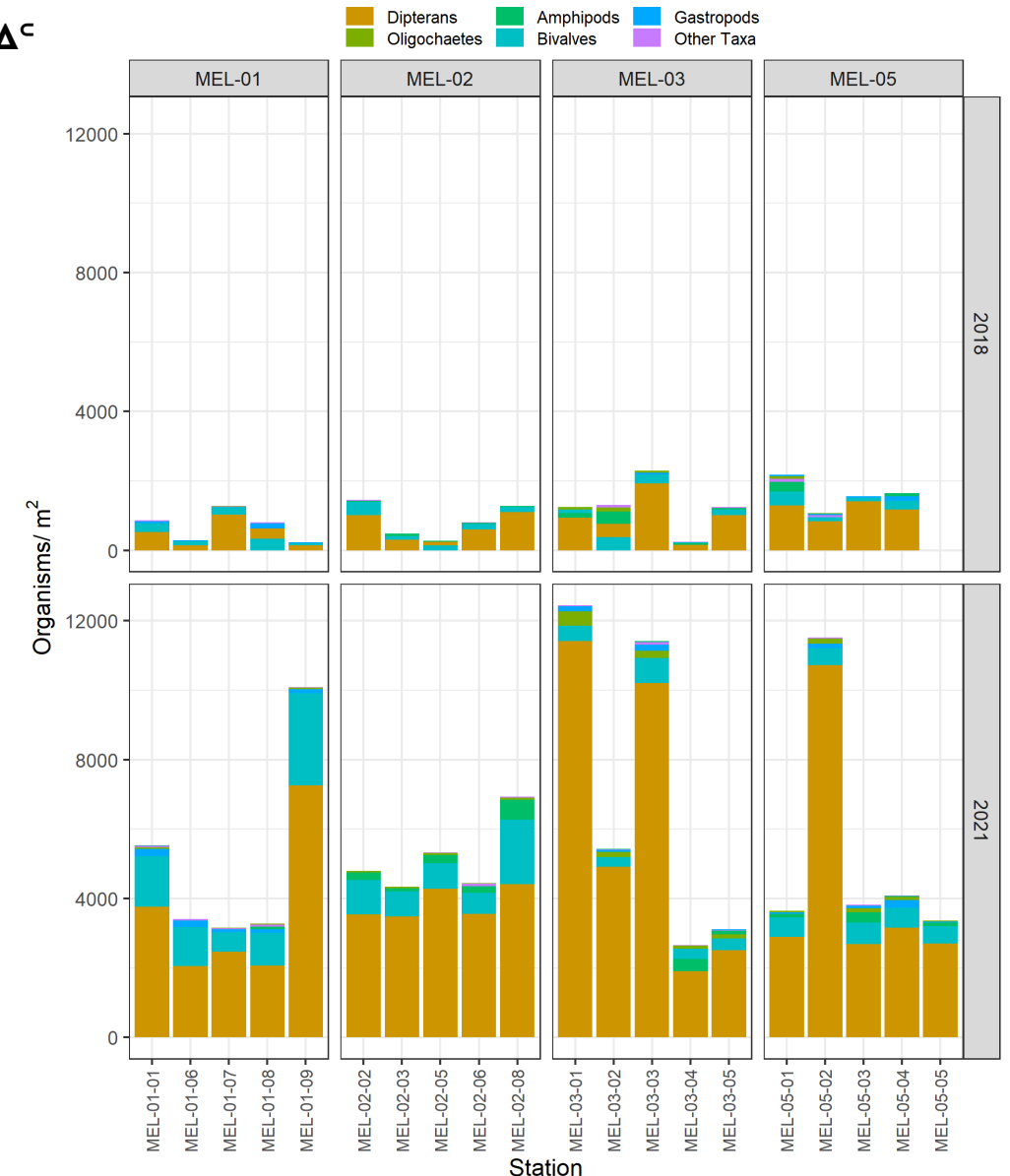


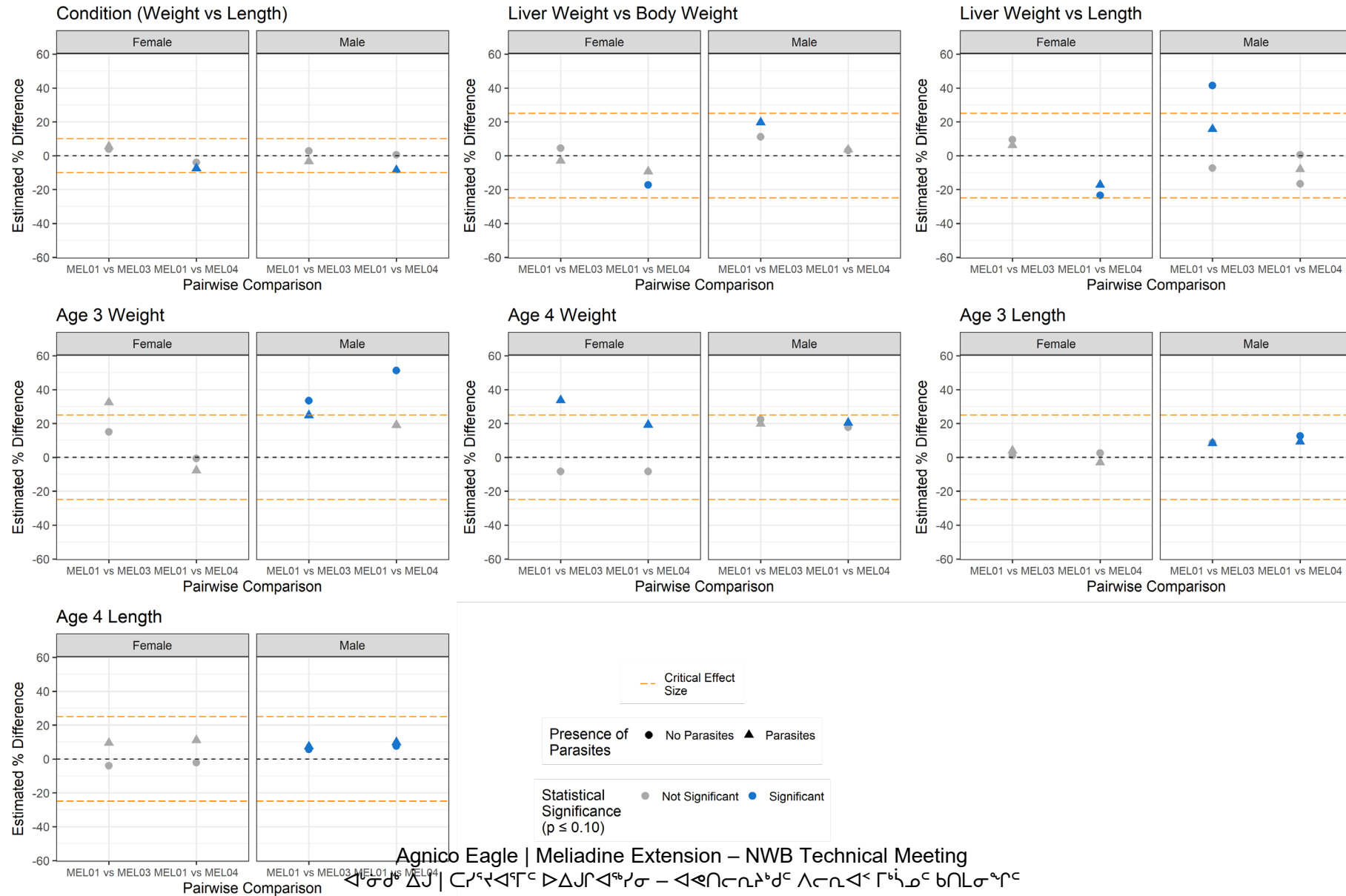
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-
- Figure 1 displays five panels (MEL-01 to MEL-05) showing the Trophic Status Index (TSI) over time (Year 20xx) for three TSI types: Chlorophyll-a (green), Secchi (red), and Total Phosphorus (blue). The panels are arranged in a 2x3 grid, with the last cell empty. Each panel is divided into three trophic zones: Eutrophic (top), Mesotrophic (middle), and Oligotrophic (bottom), separated by dashed lines. The Y-axis represents the TSI value (0 to 50), and the X-axis represents the Year (20xx) from 13 to 22. Error bars are shown for each data point.
- TSI Type Legend:**
- Chlorophyll-a (Green)
 - Secchi (Red)
 - Total Phosphorus (Blue)
- Panel Data Summary (Approximate TSI values):**
- | Panel | Year | Chlorophyll-a | Secchi | Total Phosphorus | |
|--------|--------|---------------|--------|------------------|----|
| MEL-01 | 13 | - | - | 23 | |
| | 15 | 29 | 34 | 31 | |
| | 16 | 37 | 32 | 35 | |
| | 17 | 34 | 31 | 31 | |
| | 18 | 37 | 33 | 31 | |
| | 19 | - | 37 | 31 | |
| | 20 | 37 | 32 | 34 | |
| | 21 | 40 | 38 | 33 | |
| | 22 | 42 | 37 | 32 | |
| | MEL-02 | 15 | 23 | 33 | 27 |
| | | 16 | 32 | - | 26 |
| | | 17 | 26 | 29 | 28 |
| 18 | | 29 | 33 | 20 | |
| 19 | | - | 28 | 25 | |
| 20 | | 29 | 34 | 29 | |
| 21 | | 32 | 36 | 28 | |
| 22 | | 34 | 32 | 24 | |
| MEL-03 | | 16 | 27 | 32 | 27 |
| | | 17 | 25 | 30 | 26 |
| | | 18 | 26 | 33 | 19 |
| | | 19 | - | 32 | 21 |
| | 20 | 25 | 29 | 21 | |
| | 21 | 22 | 31 | 24 | |
| | 22 | 29 | - | 21 | |
| | MEL-04 | 16 | 29 | 32 | 28 |
| | | 17 | 26 | 29 | 22 |
| | | 18 | 25 | 32 | 22 |
| | | 19 | - | 32 | 19 |
| | | 20 | 27 | 29 | 20 |
| 21 | | 23 | 31 | 27 | |
| 22 | | 26 | 29 | 24 | |
| MEL-05 | | 16 | 31 | - | 27 |
| | | 17 | 25 | 28 | 22 |
| | | 18 | 25 | 32 | 23 |
| | | 19 | - | 28 | 16 |
| | | 20 | 27 | 28 | 17 |
| | 21 | 25 | 31 | 19 | |
| | 22 | 23 | 29 | 20 | |

[illegible]

- Benthic invertebrate community abundance is highly variable from year-to-year.
- Abundance (# of organisms/m²) was higher in 2021 compared to 2018 at all study areas.
- No statistical differences in abundance, richness, or diversity indices at MEL-01 (NF) compared to the reference areas (MEL-03 and MEL-05).
- Back-to-back monitoring cycles where no effects were observed (2018 and 2021).

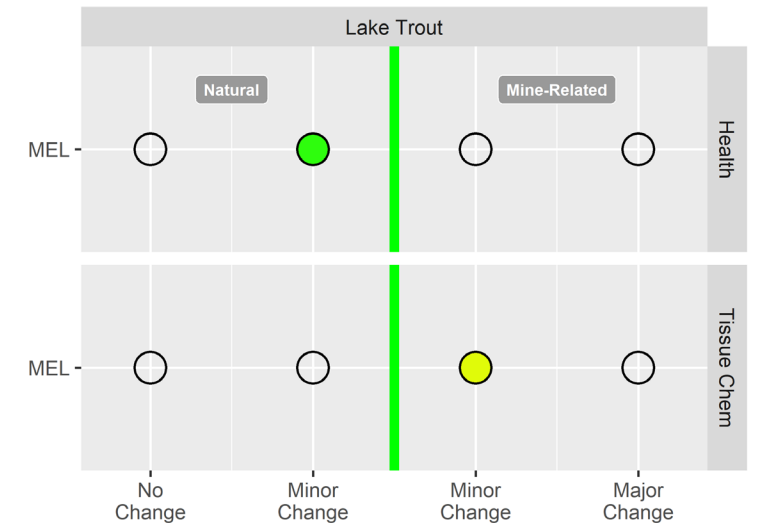
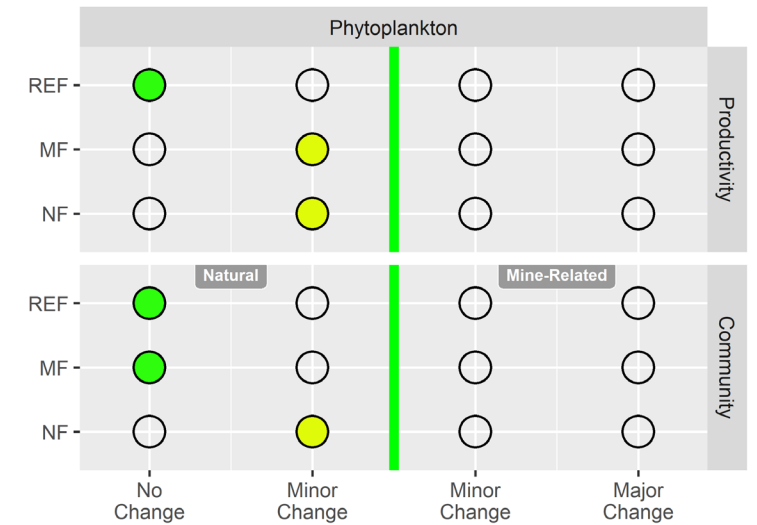


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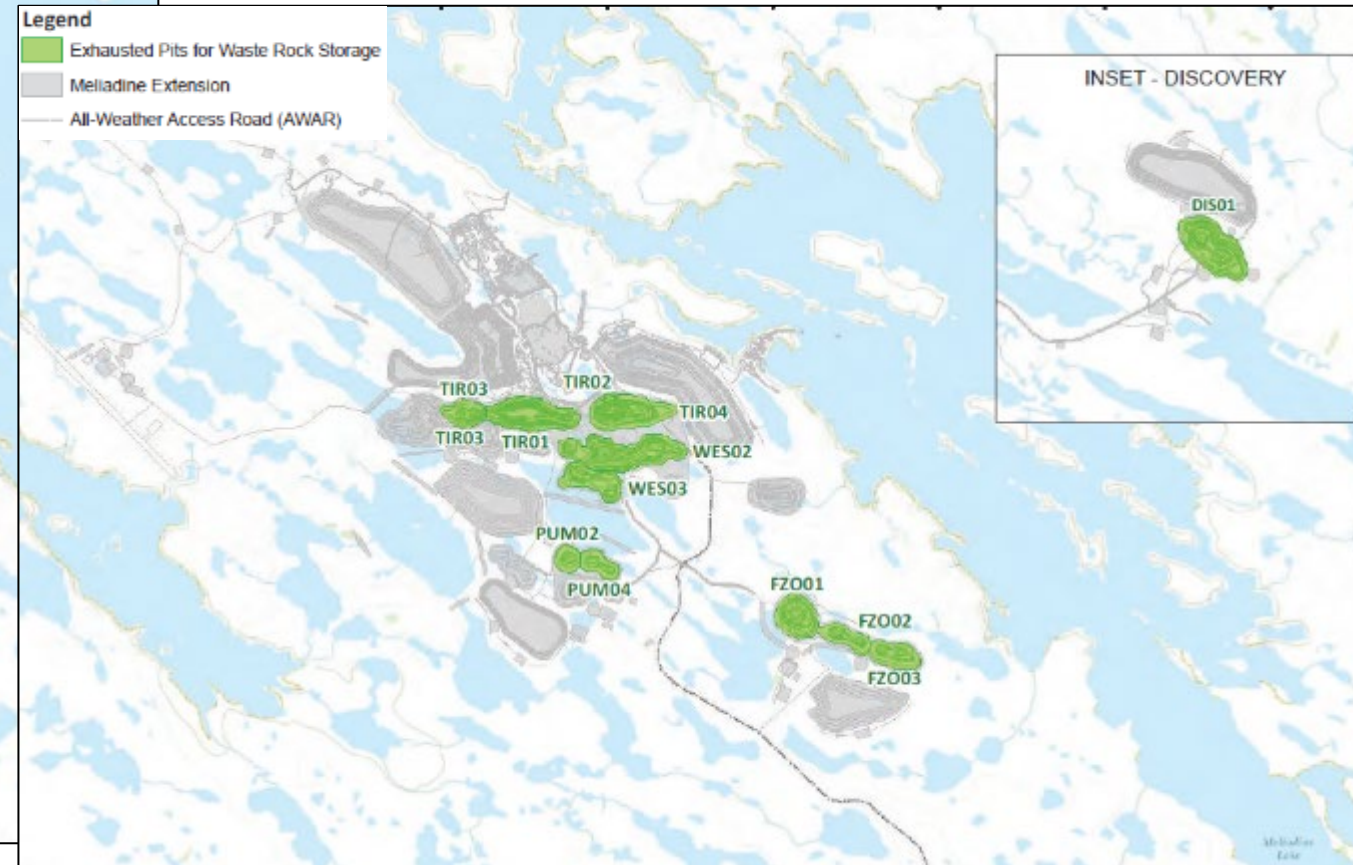
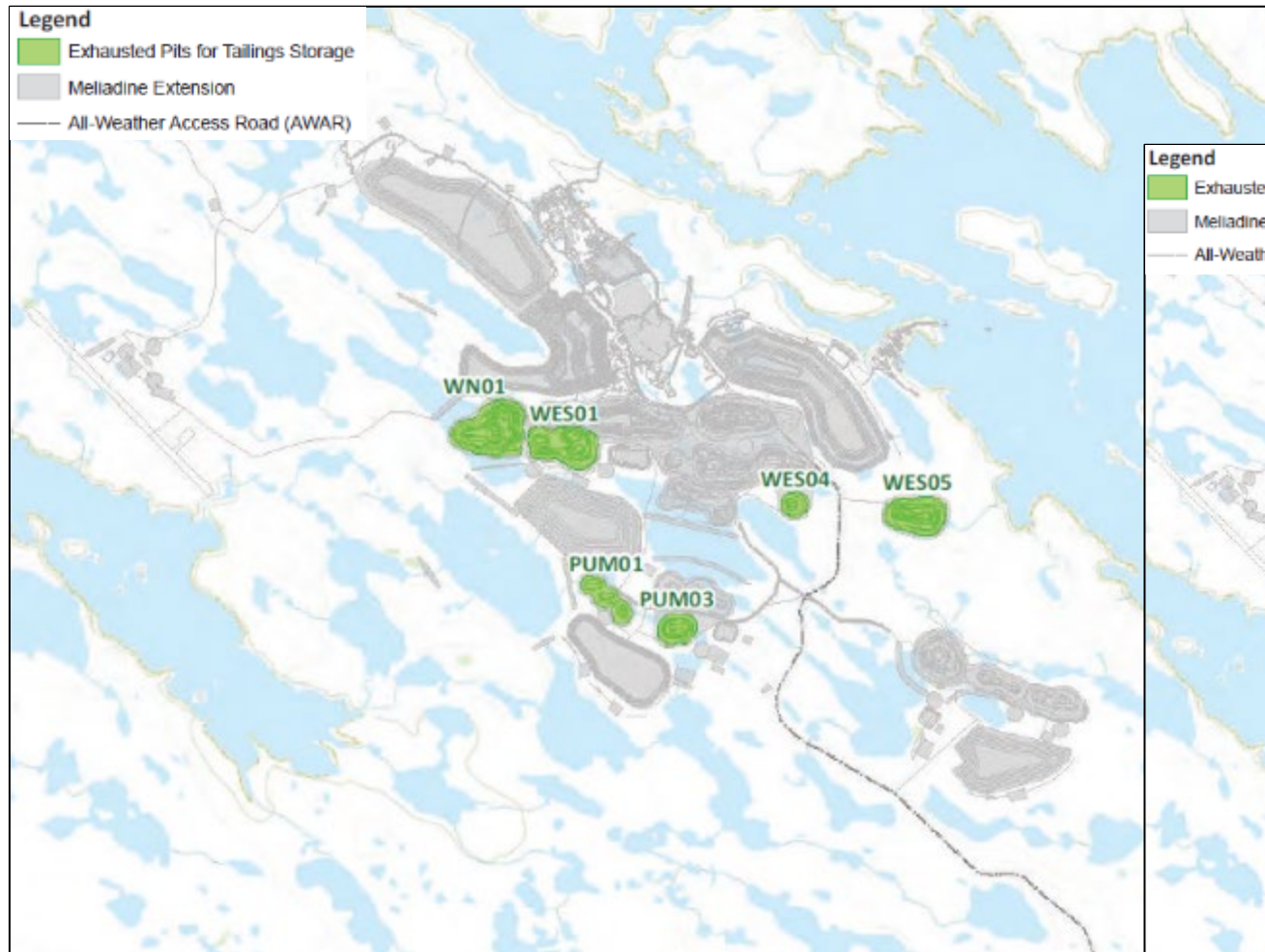
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Agnico Eagle | Meliadine Extension – NWB Technical Meeting

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ለጥራቱ ጥራት ምክንያት ለሌሎች ምክንያት ለሌሎች ምክንያት -
 ለሌሎች ምክንያት ለሌሎች ምክንያት ለሌሎች ምክንያት



Conclusions

$\Delta \rho_c \ll \rho_c \Delta \sigma^{\text{qb}}$





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Matna
Thank you

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Investor Relations:
416-847-8665
info@agnicoeagle.com

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