



Mary River Project

ᓄᓗᓴᓂ ᐅᓴᖃᓯᐅᓴᓂᓐ ᐱᓴᐳᐱᓂᓐᓴᓂᓐ

Baffinland Iron Ore Mines

ᐸᐱᓐᓴᓐ ᓴᐱᖃᓴᓂᓐ ᐅᓴᖃᓯᐅᓴᓂᓐ

Nunavut Water Board

ᓄᓇᓴᓂᓐ ᐱᓂᓂᓴᓴᓂᓐᓴᓂᓐ ᓂᐱᓴᓴᓂᓐᓴᓂᓐ

Public Hearing

ᐱᓄᓂᓂᓐ ᓂᐱᓴᓴᓂᓐᓴᓂᓐᓴᓂᓐ

Pond Inlet, Nunavut

ᓂᓴᓴᓴᓂᓐ, ᓄᓇᓴᓂᓐ

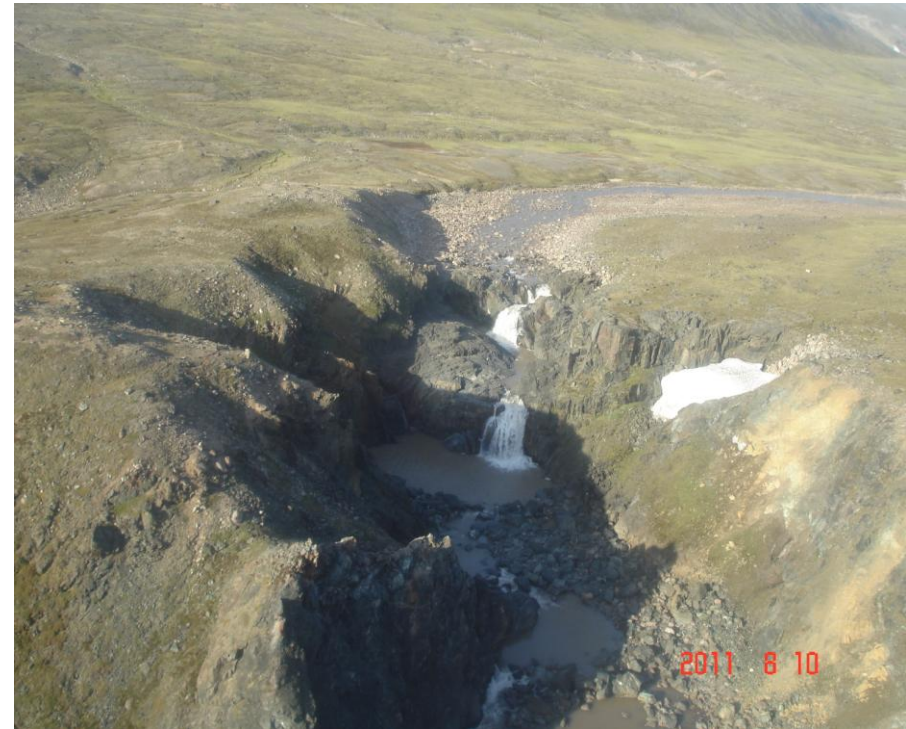
April 23-25, 2013

ᐱᓴᓴᓂᓐ 23-25, 2013

Overview

CDL Δ^o en ΔJ

1. DFO Mandate and Legislation
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2. Final Intervention Comments and Recommendations
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3. Summary and Conclusions
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Mandate and Responsibility

ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂᐅᓐᓂ ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᐃᓕᓐᓂ ᐱᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᐅᓕᓐᓂᐅᓐᓂᐅᓐᓂ

- Responsible for seacoast and inland fisheries, specifically for the management and protection of fish, marine mammals and their habitat.

ᐱᓕᓐᓂᐅᓐᓂᐅᓐᓂᐅᓐᓂ ᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᐃᓕᓐᓂ ᓄᓗᓂ ᓄᓗᓂ
ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂ, ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᐃᓕᓐᓂ ᓕᓐᓂᐅᓐᓂᐅᓐᓂᐅᓐᓂ
ᐃᓕᓐᓂᐅᓐᓂ, ᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᓄᓗᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂ.



- DFO is responsible for the administration and enforcement of the Federal *Fisheries Act* and *Species at Risk Act*

ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂᐅᓐᓂ ᐱᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂ
ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂᐅᓐᓂ ᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂ ᐃᓕᓐᓂᐅᓐᓂᐅᓐᓂ
ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ ᐃᓕᓐᓂ





Regulatory Role ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ

Fisheries Act: ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ

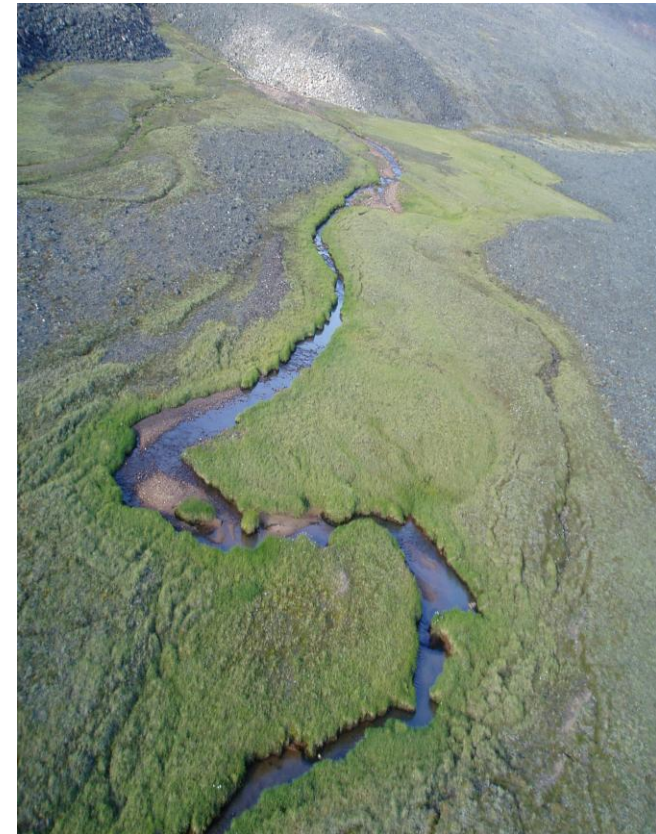
- s.35 – prohibits the harmful alteration, or disruption or the destruction (HADD) of fish habitat unless authorized ᐱᓕᑲᑲᑦᑲᑦ 35 - ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ, ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ
- s.20 – safe fish passage ᐱᓕᑲᑲᑦᑲᑦ 20- ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ
- s.22 – sufficient flows ᐱᓕᑲᑲᑦᑲᑦ 22- ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ
- s.30 – intakes screens and fishguards ᐱᓕᑲᑲᑦᑲᑦ 30- ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ
- s.32 – prohibits destruction of fish by means other than fishing ᐱᓕᑲᑲᑦᑲᑦ 32- ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ
- s.36 – prohibits the deposit of a deleterious substance, unless authorized ᐱᓕᑲᑲᑦᑲᑦ 36- ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ ᐱᓕᑲᑲᑦᑲᑦ



Final Intervention Comments

ᐱᓄᓂᑦᑯᓂᑦ ᑯᓄᓂᑦᑯᓂᑦ ᑯᓄᓂᑦᑯᓂᑦ

1. Term of the Water Licence - ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
ᐱᓄᓂᑦᑯᓂᑦ
2. Type and Amount of Security - ᑯᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ ᑯᓄᓂᑦᑯᓂᑦ
ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
3. Construction of Infrastructure - ᑯᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
3.1. Watercourse Crossings- Culverts and Bridges - ᐱᓄᓂᑦᑯᓂᑦ
ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
4. Management Plans - ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
4.1 Sediment and Erosion Control Plan - ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
- 4.2. Blasting Management Plan - ᑯᓄᓂᑦᑯᓂᑦ ᑯᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
ᐱᓄᓂᑦᑯᓂᑦ
- 4.3 Fish Habitat Off-Setting Plan - ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
5. Aquatic Effects Monitoring Program - ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
ᑯᓄᓂᑦᑯᓂᑦ
6. Mine Closure and Reclamation Plan - ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ
ᐱᓄᓂᑦᑯᓂᑦ ᐱᓄᓂᑦᑯᓂᑦ



2.0. Type and Amount of Security

‘ᆞᄃᆫᆯᆺᆸᆡᆷ ᆮᆪᆺ ᆞᆫᆲᆺᆸᆡᆷ ᆮᆪᆺᆻᆫᆲᆺᆸᆡᆷᆺᆸᆺ

- Financial Security in the form of an irrevocable letter of credit will be required as a condition of the Fisheries Act Authorization.
- የፌዴራል ምርትና ንግድ ዘርፍ ለውጤቱን በተመለከተ ማስረጃ ለማቅረብ ይችላል።
- DFO recommends that the amount of the Letter of Credit be based on the cost estimate for the construction and monitoring of the fish habitat features and be provided to DFO once the Fish Habitat Off-Setting Plan has been finalized.
- ለምሳሌ፡ የአጠቃላይ አፈጻጸም ሰነድ ለማቅረብ ይችላል።



3.0 Construction of Infrastructure - ኢ.ፌ.ዲ.ሪ ለፍጠራ

3.1 Watercourse Crossings – Culverts and Bridges

ᐃᑦᐃᑦᐃᑦ ᐃᑦᐃᑦ, ᐃᑦᐃᑦ ᐃᑦᐃᑦ ᐃᑦᐃᑦ

- DFO recommends that Baffinland develop the detailed methodology for the “Post Construction Performance Monitoring “ presented in the Aquatic Effects Monitoring Framework and submit to DFO for review.
- ΔΛΓΠΔΚαλβδϵ ρσζηθϊ ϰΑαβδϵ ρρρρρρ ΔακβδγΓβ ρσζηθϊσβ "Ηελελενρρρρρρ ςβμΔκεκερσςς βδρρρρρρ ςρρρρρ Δλσςσβ Δβ^βεδρνρμ ςβδρρρρρρρρρρ ρσζηθςδςσβ ρρρ ρσρρρρ ΔΛΓΠΔΚαλβδϵ ςρρρρρρρρρρρρ.



4. Management Plans - $\Delta \sigma_{\text{eff}}^c$ $\Delta \epsilon_{\text{eff}}^c$

4.1 Sediment and Erosion Control Plan - bCL'<'<Δσ'ℓ_<' _<'J<'<'<Δσ'ℓ_<' _ <'ℓ_▷∩°C

- [illegible]



4.2 Blasting Management Plan - မဲဉ်ဂၢၤ ဖဲးဂၢၤဖဲးငါးစံးနီု <မံးပဲာ်

- The use of explosives in or near fish bearing waters may have a negative impact on fish and fish habitat.
- ᐃᑦᓂᕈᓴᒃ ᖅᓂᔪᓴᓄᓗ ᑕᓚᓇᓂᓴ
Δᖅᓂᖅᓂᐸᓂ Δᓚᓂ
ΔᐆᐱᐆᓂᐳᐳΔᓁᓂᐸᖅᓂᓴᓂᓴ Δᖅᓂᓂᓴ
Δᓂᓂᖅᓂᓴᓂᓴ.
- DFO recommends that the detailed blasting management plan be submitted to DFO for review and approval.
- Δᓚᖅᓂᕈᓴᒃ ᐃᑦᓂᕈᓴᓴ Δᓂᓂᖅᓂᓴᓂᓴ
ᐸᖅᓂᐳᓂᓴ ᐃᓂᓂᐸᓂᓴᓂᓴ ᓂᓂᓂᓴᓂᓴᓂᓴ
Δᓚᖅᓂᕈᓴᒃᓂᓴ ᖅᓂᕈᓴᓂᓴᓂᓴ ᐃᓚᓂ
ᐸᖅᓂᕈᓴᓂᓴᓂᓴ.





4.3. Fish Habitat Off-Setting Plan ᐱᓕᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ

ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ

- The development of the Mary River Project will result in the harmful alteration or disruption or destruction (HADD) of fish habitat.
- ᑭᓄᓂ ᑯᓕᓕᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ, ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ.
- DFO recommends that the proponent continue to work towards the finalization of the Fish Habitat Off-Setting Plan.
- ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ ᐱᓂᓂᓂᑦᑕ.



5.0 Monitoring- Aquatic Effects Monitoring Framework

ΔLσ^c)^c Δ^bΛ^bσ^c(▷σ^aρ^a⊖^c ϖ▷λ^c(▷σ^aρ^c

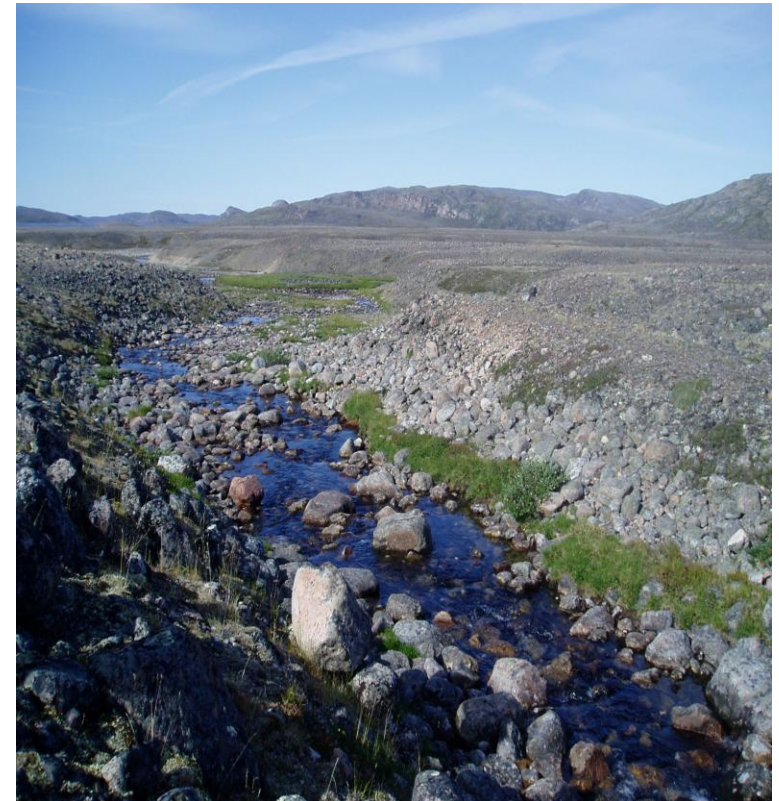
- Target Study #1 – Dust Deposition: Sedimentation in Surface Waters
 - በየርዕሰጽሑፉ ይዘት የከተለውን 1 - ኃይል ምርትና አስተማማኝነት ማረጋገጥ ሊቻል
 - Target Study #2 – Stream Diversion: Effects on Arctic Char Movements
 - በየርዕሰጽሑፉ ይዘት የከተለውን 2- ዕቅድ ለመፈጸም ያለበት መሆኑን ማረጋገጥ ሊቻል
- እንዲሁም በሪፖርቱ.
- DFO recommends that these potential targeted studies be included in the Final Aquatic Effects Monitoring Program
 - ለአጠቃላይ ማረጋገጫ በየርዕሰጽሑፉ ይዘት የከተለውን ለመፈጸም ሚሳሎች እንደሚከተሉት
 - DFO recommends that adequate baseline data be collected to support this monitoring program and that detailed methodology be developed and submitted to DFO for review.
 - ለአጠቃላይ ማረጋገጫ ለሚያስፈልጉት የከተለውን ማረጋገጫ ለመፈጸም ሚሳሎች እንደሚከተሉት

6. Mine Closure and Reclamation Plan

$L \cup J_\sigma \triangleleft^L L_\cup$ $L_\cup^L L^q L^q \triangleleft^q \sigma^q L_\cup^q$ $\triangleleft^q \omega \triangleleft \cap^q$

DFO recommends that the proponent develop plans for the removal of the watercourse crossings to ensure that passage is maintained and the bed and banks of the watercourse are stable.

ለረዥሙ ምክር ቤቱ ለሰነድ ማረጋገጫ ማስፈጸም
 ለሚችሉ ሁሉም ሰነዶች ለማረጋገጥ ማስፈጸም
 ለሚችሉ ሁሉም ሰነዶች ለማረጋገጥ ማስፈጸም
 ለሚችሉ ሁሉም ሰነዶች ለማረጋገጥ ማስፈጸም
 ለሚችሉ ሁሉም ሰነዶች ለማረጋገጥ ማስፈጸም
 ለሚችሉ ሁሉም ሰነዶች ለማረጋገጥ ማስፈጸም





Conclusion

ᓄᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕᓕ

- Baffinland has committed to addressing all of DFO's final intervention comments.
- ᓄᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕᓕᓕ
ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕ
ᓄᓕᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕ.
- DFO will continue to work with Baffinland to ensure that impacts to fish and fish habitat are mitigated.
- ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕ
ᓄᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕ
ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕ ᓄᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕᓕ.



Qujannamiik, Thank You, Questions?

$\varphi \nabla^a \omega_{\Gamma}{}^b$, $\triangleleft \wedge^{\varphi} \delta \cap^b \lrcorner \Delta^c$?

