



Fisheries and Oceans: Fish habitat compensation plan and policies



Sisson Mine Project
Public Consultation Meeting
March 15, 2018



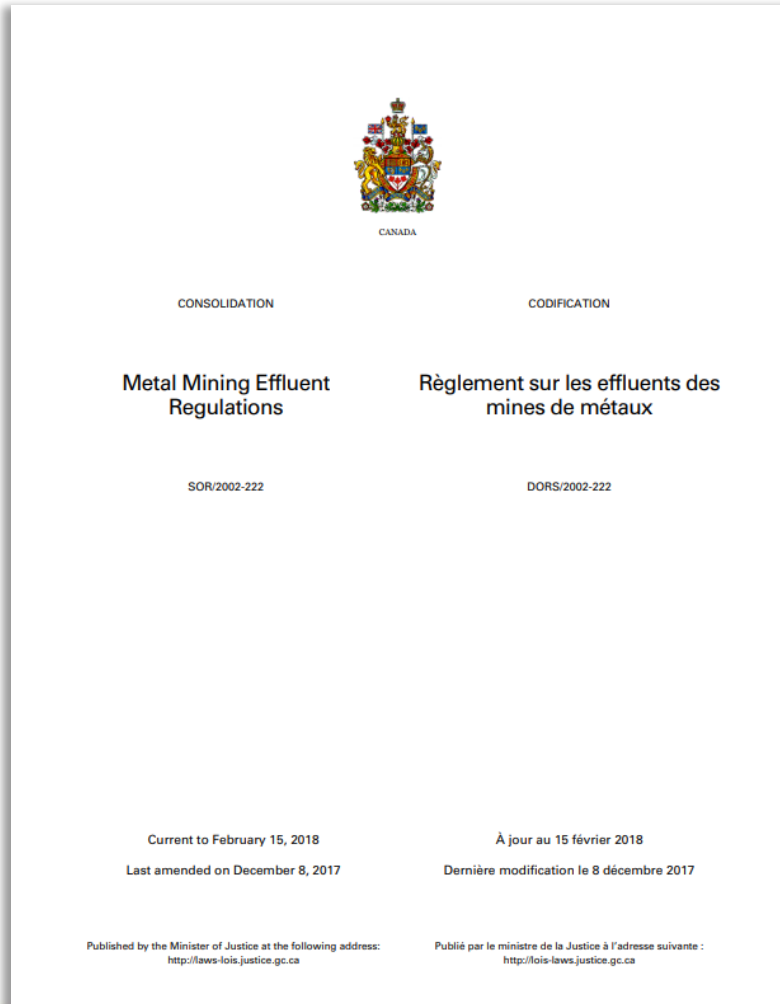
Presentation Outline

To provide brief information on the following:

- DFO's Role in MMER
- Fisheries Productivity Investment Policy
- Sisson Mine Project: Fish Habitat Impacts
- Sisson Mine Project: Offsetting Proposal
- Links for DFO guidance documents



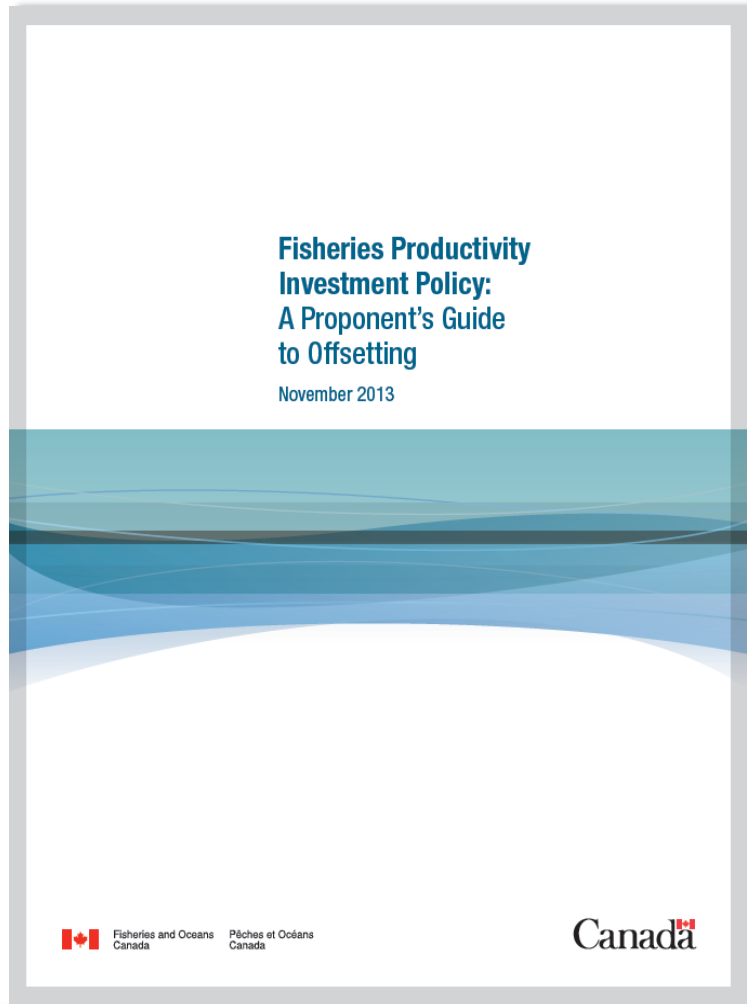
DFO's Role in MMER



- Provide advice to ECCC regarding the use of proposed tailings impoundment area (TIA) by fishes.
- Assess and make recommendations on the adequacy of the Fish Habitat Compensation Plan (FHCP).
- Support consultations with local public and Indigenous communities.
- Ensure implementation of the FHCP and its associated monitoring.



Fisheries Productivity Investment Policy

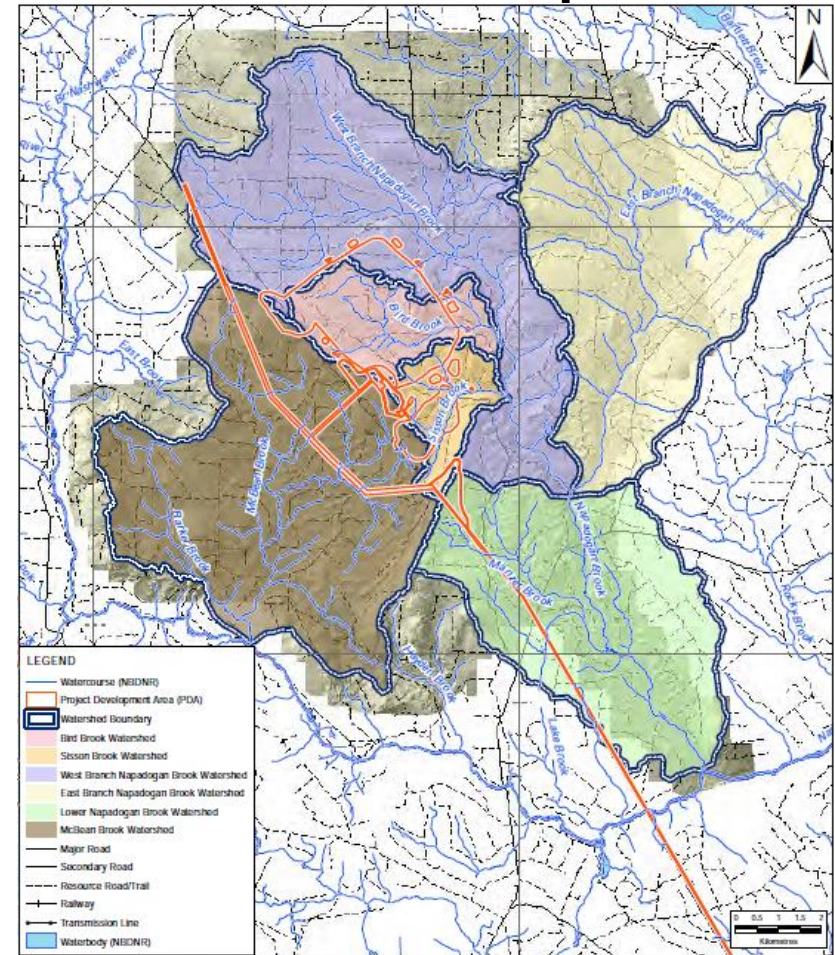


- Provides guidance to proponents on undertaking effective measures to offset serious harm to fish
- Sets out the principles of offsetting to be considered by the Fisheries Protection Program in making recommendations for authorization



Sisson Mine Project: Fish Habitat Impact

- Impacted watercourses:
 - Sisson Brook;
 - McBean Brook;
 - Bird Brook;
 - Unnamed tributary to West Branch Napadogan Brook; and
 - Lower Napadogan Brook.
- **Total fish habitat impacted: 54 400 m²**
 - MMER (TSF): 17 200 m²
 - FA 35(2)(b) Auth.: 37 200 m²
 - Direct loss: 19 400 m²
 - Indirect loss: 17 800 m²



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC PROJECT AND SHOULD NOT BE USED FOR OTHER PURPOSES.

| | | | | | |
|------------------------------------------------------------------------------------------------|--|---------------------|---------------------------|---------------------------------------------------------|------------------|
| Watersheds within the Local Assessment Area (LAA) Sisson Project: Napadogan, N.B. | | Scale: 1:100,000 | Project No.: 121810356 | Data Source: NBDNR Leading Edge Geomatics Ltd. | Fig. No.: 1.3 |
| | | Date: 22/03/2014 | Des. By: JAB | Appd. By: DLM | |
| Client: Northcliff Resources Ltd. | | | | | |



Sisson Mine Project: Offsetting Proposal

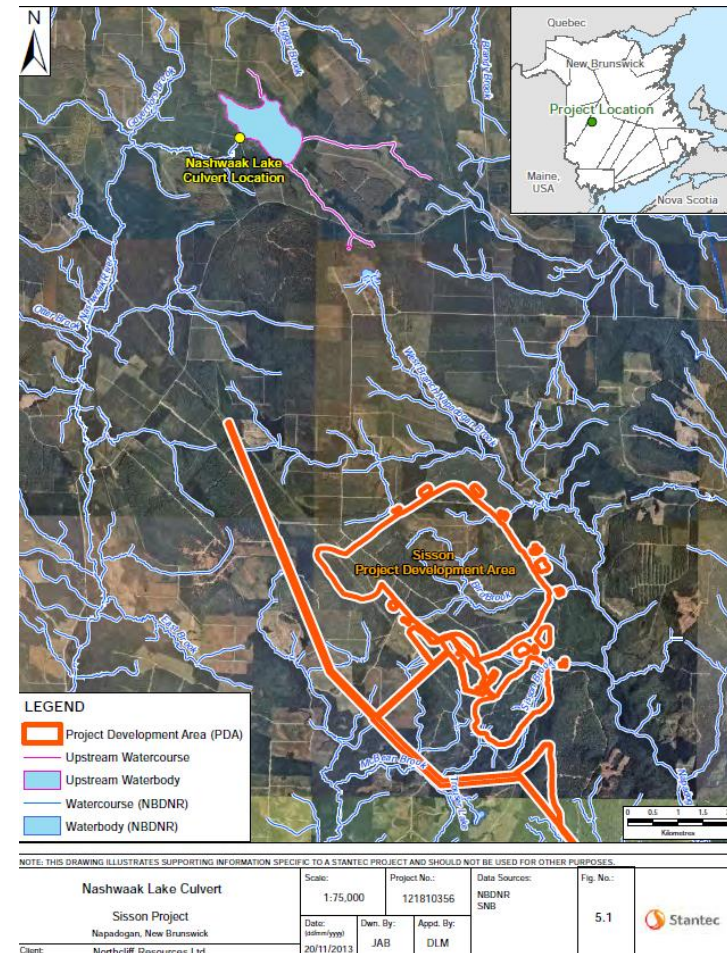
- The proposed offsetting plan is to provide permanent fish passage into Nashwaak Lake (potential spawning habitat).
- The combined total area of Nashwaak Lake and its three tributaries is estimated at 1, 143 700 m².
- The current proposal is to credit 25% of this area (*i.e.*: 285 925 m²)
- Thus, fulfilling the offsetting requirements of both the MMER amendment and the section 35(2)(b) Authorization (more than 5:1 ratio)



Sisson Mine Project: Offsetting Proposal

Meets the “Guiding Principles” for fisheries protection:

- **Principle 1:** Offsetting measures must support fisheries management objectives or local restoration priorities.
- **Principle 2:** Benefits from offsetting measures must balance project impacts.
- **Principle 3:** Offsetting measures must provide additional benefits to the fishery.
- **Principle 4:** Offsetting measures must generate self-sustaining benefits over the long term.





Thank You

Reference Documents:

Fisheries Act

<http://laws-lois.justice.gc.ca/PDF/F-14.pdf>

Fisheries Protection Policy Statement

<http://www.dfo-mpo.gc.ca/pnw-ppe/pol/PolicyStatement-EnoncePolitique-eng.pdf>

Applications for Authorization under Paragraph 35(2)(b) of the *Fisheries Act* Regulations

<http://laws-lois.justice.gc.ca/PDF/SOR-2013-191.pdf>

Fisheries Productivity Investment Policy: A Proponent's Guide to Offsetting

<http://www.dfo-mpo.gc.ca/pnw-ppe/offsetting-guide-compensation/offsetting-guide-compensation-eng.pdf>

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