



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Fisheries and Oceans Canada

Consolidated Goldwin Ventures and Sidon

International Resources

(EA0506-005 and EA0506-006)

Public Hearing Presentation

April 4th, 2007

Yellowknife



Canada



Overview

- Responsibilities of DFO
- Potential Concerns
 - Winter Water Withdrawal
 - Drill Cuttings
 - Drilling on Spawning Shoals



DFO's Responsibilities

- Responsible for the management and protection of fish and marine mammals and their habitats.



The *Fisheries Act*

- Section 35: prohibits the harmful alteration, disruption or destruction (HADD) of fish habitat without an authorization from the Minister of DFO.
- Section 36: prohibits the deposit of deleterious substance into fish bearing waters.
 - Environment Canada administers section 36 of the *Fisheries Act*.



The *Fisheries Act* (continued)

- Section 30: requires for fish guards or screens where needed.
- Section 32: prohibits the destruction of fish by means other than fishing without prior approval (i.e. explosives).





Potential Concern

Winter Water Withdrawal

- (1) Fish destroyed by water intakes.
- (2) Withdrawing water from waterbodies can have negative impacts to over-wintering fish and fish habitat.



Potential Concern - Water Withdrawal cont.

DFO Protocol for Winter Water Withdrawal in the Northwest Territories (January, 2005)

- Developed to avoid potential impacts of water withdrawal on fish and fish habitat
- Outlines how water volumes are to be calculated and the maximum amount of water that can be removed
- specifies how water intakes should be screened to prevent the entrainment of fish into water intakes.





Potential Concern - Water Withdrawal cont.

- Provided the company follows the DFO Protocol for Winter Water Withdrawal (January, 2005) the project will likely not impact fish or fish habitat.



Potential Concern

Drill Cuttings

- (1) Leaving the cuttings on the ice to melt through during the spring thaw;
- (2) Allowing cuttings to spread onto adjacent fish habitat during on-ice drilling; and
- (3) The deposit into water bodies through the erosion of cutting deposited in land-based sumps.





Potential Concern - Drill Cuttings Cont.

- all drill cuttings from on ice-drilling activities will be collected, removed and transported to Yellowknife for disposal.
- All drill cutting from on land drilling will be placed in an on-site depression well removed from any water body.
- The project will likely not impact fish or fish habitat if the mitigation measures proposed are implemented.





Potential Concern

Drilling on Spawning Shoals

- (1) the physical destruction of spawning habitats,
- (2) the sediment generated by drilling activities may spread to adjacent areas, smothering eggs or harming over-wintering fish.





Potential Concern – Drilling on Shoals Cont.

- all drill cuttings from on ice-drilling activities will be collected, removed and transported to Yellowknife for disposal.
- All drill cutting from on land drilling will be placed in an on-site depression well removed from any water body.
- The project will likely not impact fish or fish habitat if the mitigation measures proposed are implemented.



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THANK YOU

Questions?

