

Snap Lake Fish and Fish Habitat
Issues
Department of Fisheries and Oceans

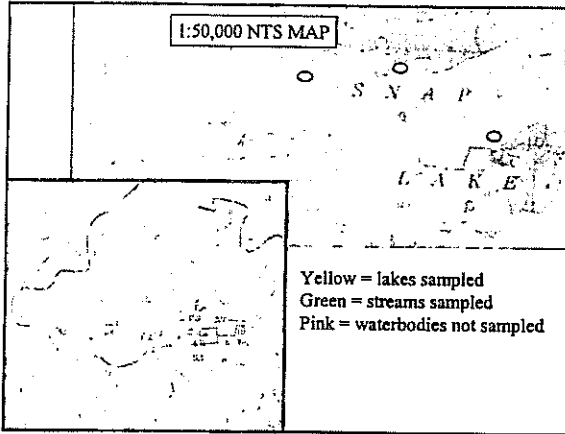


TOR - Aquatic Habitat

- I - Productive capacity of aquatic systems
- II - Impacts on fish and fish habitat
- III - Habitat loss and alteration
- IV - Rare / sensitive fish species & habitat
- V - Mortality (includes fishing)
- VI - Impact of underground blasting
- VII - a) Impacts on aquatic food web
b) DFO No Net Loss principle

DFO Issues

- Fish habitat assessment & NNL accounting
- Chronic effects of WTP discharges
- Groundwater contamination
- Changes in nutrient supply



No net loss fish survey requirements

For all streams, lakes and ponds (including ephemeral) within project footprint area the following information is required:

- surveys/observations during freshet when water levels are at their peak
- observations both day and night
- numerous sampling methods, including electroshocking, baited minnow traps, seining, visual observations
- reasonable sampling effort (minimum 48 hours per waterbody)

No net loss habitat survey requirement

- Substrate, bathymetry, aquatic vegetation maps of all waterbodies (including ephemeral) during spring freshet: air/ground photography
- Results presented in GIS format to quantify the areal extent of water bodies and habitat patches within and adjacent to, the project footprint.
