

Preliminary Screening Report Form

<p>Preliminary screener: MVLWB</p> <p>Reference / File Number: MV2019L8-0005 & MV2019X0008</p> <p>TITLE: Miscellaneous – Prosperous Lake NT</p> <p>ORGANIZATION: GNWT – Industry, Tourism & Investment</p> <p>MEETING DATE: May 16, 2019</p>	<p>EIRB</p> <p>Reference number:</p>
---	--

Type of Development:
(CHECK ALL THAT APPLY)

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | New |
| <input type="checkbox"/> | Amend, EIRB Ref. # |
| <input checked="" type="checkbox"/> | Requires permit, licence, or authorization |
| <input type="checkbox"/> | Does not require permit, licence, or authorization |

Project Summary:

- Removal of existing crib structure;
- Installation of pilings for the dock anchoring system;
- Drilling;
- Additional floating docks;
- Relocation of boat ramp; and
- Deposit of additional fill into Prosperous Lake.

Scope

The scope of Permit includes the following:

- a) Use of vehicles and machines;
- b) Use of self-propelled motorized machines; and
- c) Use of motorized earth drilling machinery.

The scope of Licence includes the following:

- a) Modify the bank of a watercourse;
- b) Withdrawal of Water for material compaction;
- c) Depositing of Waste; and
- d) Progressive Reclamation and associated closure and reclamation activities.

Land Use Eligibility - Section 18 Mackenzie Valley Land Use Regulations:

Type of Disposition

Disposition Number(s)

- Mineral Claims
- Prospecting Permit (s)
- Mineral Leases
- Oil and Gas: EL/SDL/PL
- Quarry Permit
- Timber Permit
- Other:

Designation as Territorial Park under the *Territorial Parks Act* and as a Reserve under the *Commissioner's Lands Act*.

Principal Activities (related to scoping) (CHECK ALL THAT APPLY)

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Construction | <input type="checkbox"/> Exploration | <input type="checkbox"/> Decommissioning |
| <input checked="" type="checkbox"/> Installation | <input type="checkbox"/> Industrial | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Maintenance | <input type="checkbox"/> Recreation | <input type="checkbox"/> Aerial |
| <input type="checkbox"/> Expansion | <input type="checkbox"/> Municipal | <input type="checkbox"/> Harvesting |
| <input type="checkbox"/> Operation | <input type="checkbox"/> Quarry | <input type="checkbox"/> Camp |
| <input type="checkbox"/> Repair | <input type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific/ |
| <input type="checkbox"/> Research | <input type="checkbox"/> Sewage | <input type="checkbox"/> Solid Waste |

- Water Intake
- Other:

Principal Development Components (related to scoping) (CHECK ALL THAT APPLY)

- | | |
|---|---|
| <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Access Road <ul style="list-style-type: none"> <input type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input checked="" type="checkbox"/> modification e.g., widening, straightening <input checked="" type="checkbox"/> Automobile, Aircraft or Vessel Movement <input type="checkbox"/> Blasting <input checked="" type="checkbox"/> Building <input type="checkbox"/> Burning <input type="checkbox"/> Burying <input type="checkbox"/> Channelling <input type="checkbox"/> Cut and Fill <input checked="" type="checkbox"/> Cutting of Trees or Removal of Vegetation <input type="checkbox"/> Dams and Impoundments <ul style="list-style-type: none"> <input type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input type="checkbox"/> modification <input type="checkbox"/> Ditch Construction <input type="checkbox"/> Drainage Alteration <input checked="" type="checkbox"/> Drilling other than Geoscientific <input type="checkbox"/> Ecological Surveys <input type="checkbox"/> Excavation <input type="checkbox"/> Explosive Storage <input type="checkbox"/> Fuel Storage <input checked="" type="checkbox"/> Topsoil, Overburden or Soil <ul style="list-style-type: none"> <input checked="" type="checkbox"/> fill <input type="checkbox"/> disposal <input checked="" type="checkbox"/> removal <input checked="" type="checkbox"/> storage | <ul style="list-style-type: none"> <input type="checkbox"/> Waste Management <ul style="list-style-type: none"> <input type="checkbox"/> disposal of hazardous waste <input type="checkbox"/> waste generation <input type="checkbox"/> sewage <input type="checkbox"/> disposal of sewage <input type="checkbox"/> Geoscientific Sampling <input type="checkbox"/> Trenching <input type="checkbox"/> Diamond drill <input type="checkbox"/> Borehole core sampling <input type="checkbox"/> Bulk soil sampling <ul style="list-style-type: none"> <input type="checkbox"/> gravel <input type="checkbox"/> hydrological Testing <input type="checkbox"/> Site Restoration <ul style="list-style-type: none"> <input type="checkbox"/> fertilization <input type="checkbox"/> grubbing <input type="checkbox"/> planting/seeding <input type="checkbox"/> reforestation <input type="checkbox"/> scarify <input type="checkbox"/> spraying <input type="checkbox"/> re-contouring <input checked="" type="checkbox"/> Slashing and removal of vegetation <input type="checkbox"/> Soil Testing <input type="checkbox"/> Stream Crossing/Bridging <input type="checkbox"/> Tunnelling/Underground <input checked="" type="checkbox"/> Other: In lake work |
|---|---|

NTS topographic map sheet numbers:

085J

Latitude / longitude and UTM system:

62.53817 – 62.53944
114.14597 – 114.14723

Nearest community and water body:

Yellowknife, NT
Prosperous Lake, NT

Land Status (consultation information)

- Free Hold/Private
 Commissioner's/Territorial Lands
 Federal Crown Land
 Municipal Land

Transboundary/Transregional Implications

- | | | | |
|---|--|---|--------------------------------|
| <input type="checkbox"/> British Columbia | <input type="checkbox"/> Alberta | <input type="checkbox"/> Saskatchewan | <input type="checkbox"/> Yukon |
| <input type="checkbox"/> Nunavut | <input type="checkbox"/> National Park | <input type="checkbox"/> Inuvialuit Settlement Region | |
| <input type="checkbox"/> Wek'èezhii | <input type="checkbox"/> Gwich'in | <input type="checkbox"/> Sahtu | |

Type of transboundary implication: Impact / Effect Development

Public concern: _____
(Describe.)

Physical - Chemical Effects

Impact

1) Ground Water

water table alteration

water quality changes

infiltration changes

other:

N/A

Mitigation

There is the potential for fuel to contaminate the ground water. The risk of spills is reduced by using proper handling, storage and disposal techniques. The impact of spills can be reduced by having an appropriate Spill Contingency Plan and spill kits in place and by training personnel in spill responses.

Impact

2) Surface Water

flow or level changes

water quality changes

water quantity changes

drainage pattern changes

temperature

wetland changes/loss

other:

N/A

Mitigation

There is the potential for fuel to contaminate the surface water. The risk of spills is reduced by using proper handling, storage and disposal techniques. The impact of spills can be reduced by having an appropriate Spill Contingency Plan and spill kits in place and by training personnel in spill responses.

There is the potential for silt deposition associated with crib removal and rock deposition. Conditions in the draft licence have been proposed to mitigate the concerns.

Impact

3) Noise

noise in/near water

noise increase

other:

N/A

Mitigation

There will be increased noise during removal of the crib structure, drilling and infilling. This impact will be for a short duration of time, and therefore no mitigations are proposed.

There will be an increase in noise in the area, however the impact is minimal in duration therefore, no mitigation is required.

Impact

4) Land

geologic structure changes

Mitigation

soil contamination There is the potential for fuel to contaminate soil. The risk of spills is reduced by using proper handling, storage and disposal techniques. The impact of spills can be reduced by having an appropriate Spill Contingency Plan and spill kits in place and by training personnel in spill responses.

buffer zone loss

soil compaction and settling Heavy equipment and vehicle movements have the potential to increase localized soil compaction and settling.

destabilization/erosion

permafrost regime alteration

explosives/scarring

other:

N/A

Impact

5) Non-renewable natural resources

Mitigation

resource depletion

other:

N/A

Impact

6) Air/climate/atmosphere

Mitigation

other:

N/A

BIOLOGICAL ENVIRONMENT

Impact

1) Vegetation

Mitigation

species composition

species introduction

toxin/heavy accumulation

other: Linear Migration routes, habitat fragmentation

N/A

Impact

2) Wildlife and Fish

Mitigation

effects on rare, threatened or endangered species

fish population changes Water use is minimal in relation to the duration of the project. The implementation of preventative measures such as the silt curtain to control the dispersion of various sediments.

- waterfowl population changes
- breeding disturbance
- population reduction
- species diversity change
- health changes
- behavioural changes
- habitat changes / effects

A small amount of fish habitat will be infilled by this project. The change is not significant, and the Department of Fisheries and Oceans Canada has confirmed that no authorization is required for this project. No mitigation is proposed.

- game species effects
- toxins/ heavy metals
- forestry changes
- agricultural changes
- other:
- N/A

Interacting Environment

Impact

Mitigation

1) Habitat and Communities

- predator-prey
- wildlife habitat/ecosystem composition changes
- reduction/removal of keystone or endangered species
- removal of wildlife corridor or buffer zone
- other:
- N/A

Wildlife may avoid the area of activity where equipment is being used. The project is of short duration, as such, these impacts will be temporary in nature.

Impact

Mitigation

2) Social and Economic

- planning/zoning changes or conflicts
- increase in urban facilities or services use
- rental house
- airport operations/capacity changes

- human health hazard
- impair the recreational use of water or aesthetic quality
- affect water use for other purposes
- affect other land use operations
- quality of life changes
- public concern
- other:
- N/A

Impact

Mitigation

3) Cultural and Heritage

- effects to historic property
- increased economic pressure on historic properties
- change to or loss of historic resources
- change to or loss of archaeological resources
- increased pressure on archaeological sites
- change to or loss of aesthetically important sites
- effects to aboriginal lifestyle
- other:
- N/A

- Pursuant to Schedule 4.1 of the **Northwest Territory Métis Nation (NWTMN)** Interim Measures Agreement, the MVLWB determined that written notice was given to the NWTMN and that a reasonable period of time was allowed for NWTMN to make representations with respect to the application.
- Pursuant to subsection 1.6, paragraphs (a) and (b) of the **Akaiicho Territory Dene First Nations (ATDFN)** Interim Measures Agreement, the MVLWB determined that written notice was given to the ATDFN and that a reasonable period of time was allowed for ATDFN to make representations with respect to the Application.

Preliminary Screener / Referring Body Information

Akaitcho IMA Implementation Office
Bathurst Inlet Development Ltd.
Bathurst Inlet Lodge
BNT Gold Resources Ltd.
CanNor NWT Region
City of Yellowknife
Dene Nation
Deninu K'ue First Nation
Det'on Cho Corporation
Environment and Climate Change Canada
Fisheries and Oceans Canada
Fort Resolution Metis Council
Forward Mining
GNWT - ECE
GNWT - ENR
GNWT - ENR - North Slave Region
GNWT - ENR - South Slave Region - Fort Smith
GNWT - Health
GNWT - INF
GNWT - ITI
GNWT - Lands
NWT - Lands - Hay River Region
GNWT - Lands - North Slave Region
GNWT - Lands - South Slave Region - Fort Smith
GNWT - MACA

Golder Associates
Hamlet of Fort Resolution
INAC - CARD
INAC - NWT Inspectors
Katloodeeche First Nation
Lutsel K'e Dene First Nation - Chief or Wildlife, Lands and Environment
Mackenzie Valley Environmental Impact Review Board
Manitoba Denesuline
North Slave Metis Alliance
Northwest Territory Metis Nation
NWT & Nunavut Chamber of Mines
NWT- OROGO
Salt River First Nation
Smith's Landing First Nation
Snap Lake Environmental Monitoring Agency - SLEMA
Tlicho Government
Tlicho Lands Protection Department
Town of Fort Smith
Wek' eezhii Renewable Resources Board
West Point First Nation
WLWB
Wood
Workers' Safety and Compensation Commission
Yellowknives Dene First Nation

Reasons For Decision

(List all reasons and supporting rationales for preliminary screening decision)

DECISION

The Mackenzie Valley Land and Water Board (the Board) is satisfied that the preliminary screening of Application MV2019L8-0005 & MV2019X0008 – GNWT – ITI – Miscellaneous - Prosperous Lake NT has been completed in accordance with section 125 of the *Mackenzie Valley Resource Management Act (MVRMA)*.

The Board is satisfied that communities and First Nations affected by the Application have been notified and provided adequate time to provide comment on the Application as required by land claim and self government agreements, the MVRMA, policy directions relating to Interim Measures Agreements, and any other applicable legislation and agreements.

Having reviewed all relevant evidence on the Public Registry, including the submissions of the Applicant, the written comments received by the Board and any Staff Reports prepared for the Board, the Board has decided that in its opinion:

- The proposed development will not have a significant adverse impact on the environment; and
- The proposed development is not a cause of public concern.

The Board is also of the opinion that the Application can proceed through the regulatory process and that any impacts of the development on the environment can be mitigated through the imposition of the terms and conditions in the attached Land Use Permit Water Licence.

As a result, the Board, having due regard to the facts and circumstances, the merits of the submissions made to it, and to the purpose, scope, and intent of the MVRMA and the Mackenzie Valley Land Use Regulations the *Waters Act* and Waters Regulations has decided that this Land Use Permit Water Licence be issued subject to the terms and conditions contained therein.

Preliminary Screening Decision	
<input checked="" type="checkbox"/>	Outside Local Government Boundaries
<input type="checkbox"/>	The development proposal might have a significant adverse impact on the environment, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	Wholly Within Local Government Boundaries
<input type="checkbox"/>	The development proposal is likely to have a significant adverse impact on air, water or renewable resources, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>

Preliminary Screening Organization

Mackenzie Valley Land and Water Board

May 16, 2019

Signatures

Mavis Cli-Michaud, Chair