

Preliminary Screening Report Form

Preliminary screener: MVLWB Reference / File number: MV2018L7-0002 TITLE: Porritt Landing Dredging ORGANIZATION: Town of Hay River MEETING DATE: February 7, 2019	EIRB Reference number:
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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:

Dredging at the Porritt Landing dock in order to provide adequate water depth for recreational watercraft to safely launch and dock. Dredged materials will be excavated with a hydraulic excavator from shore at the Porritt Landing site, loaded into truck and hauled to stock pile locations between 500-700 m away on Lot 1057, Plan 977

Scope:

This Licence entitles the Licensee to use Water and dispose of Waste for the purpose of *recreational undertaking located at Porritt Landing dock in Hay River, Northwest Territories*. This undertaking is described in the Application submitted on June 12, 2018 and includes the following:

- a) Sediment removal at the Porritt Landing dock; and
- b) Deposit of Waste at Lot 1057, Plan 977, Hay River, NT.

Land Use Eligibility - Section 18 Mackenzie Valley Land Use Regulations:
18(b)

Type of Disposition	Disposition Number(s)
----------------------------	------------------------------

- | | |
|---|-----|
| <input type="checkbox"/> Mineral Claims | |
| <input type="checkbox"/> Prospecting Permit (s) | |
| <input type="checkbox"/> Mineral Leases | |
| <input type="checkbox"/> Oil and Gas: EL/SDL/PL | |
| <input type="checkbox"/> Quarry Permit | |
| <input type="checkbox"/> Timber Permit | |
| <input checked="" type="checkbox"/> Other: | N/A |

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

- | | | |
|---------------------------------------|--|--|
| <input type="checkbox"/> Construction | <input type="checkbox"/> Exploration | <input type="checkbox"/> Decommissioning |
| <input type="checkbox"/> Installation | <input type="checkbox"/> Industrial | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Maintenance | <input checked="" 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 |
| <input type="checkbox"/> Water Intake | | |
| <input type="checkbox"/> Other: | | |

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

- | | |
|---|--|
| <input type="checkbox"/> Access Road | <input checked="" type="checkbox"/> Waste Management |
| <input type="checkbox"/> construction | <input type="checkbox"/> disposal of hazardous waste |
| <input type="checkbox"/> abandonment/removal | <input checked="" type="checkbox"/> waste generation |
| <input type="checkbox"/> modification e.g., widening, straightening | <input type="checkbox"/> sewage |
| <input checked="" type="checkbox"/> Automobile, Aircraft or Vessel Movement | <input type="checkbox"/> disposal of sewage |

- Blasting
- Building
- Burning
- Burying
- Channelling
- Cut and Fill
- Cutting of Trees or Removal of Vegetation
- Dams and Impoundments
 - construction
 - abandonment/removal
 - modification
- Ditch Construction
- Drainage Alteration
- Drilling other than Geoscientific
- Ecological Surveys
- Excavation
- Explosive Storage
- Fuel Storage
- Topsoil, Overburden or Soil
 - fill
 - disposal
 - removal
 - storage

- Geoscientific Sampling
- Trenching
- Diamond drill
- Borehole core sampling
- Bulk soil sampling
 - gravel
 - hydrological Testing
- Site Restoration
 - fertilization
 - grubbing
 - planting/seeding
 - reforestation
 - scarify
 - spraying
 - re-contouring
 - Slashing and removal of vegetation
 - Soil Testing
 - Stream Crossing/Bridging
 - Tunnelling/Underground
 - Other:

NTS topographic map sheet numbers:
85B13

Latitude / longitude and UTM system:
60° 50'33" N 115° 45'39" W

Nearest community and water body:
Hay River, Hay River and Great Slave Lake

Land Status (consultation information)

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

Transboundary/Transregional Implications

- British Columbia
 Alberta
 Saskatchewan
 Yukon
 Nunavut
 National Park
 Inuvialuit Settlement Region
 Wek'èezhii
 Gwich'in
 Sahtu

Type of transboundary implication:
 Impact / Effect
 Development

Public concern: _____
(Describe.)

Physical - Chemical Effects

Impact

Mitigation

1) Ground Water

- water table alteration
- water quality changes
- infiltration changes
- other:

N/A

Impact

2) Surface Water

Mitigation

flow or level changes

water quality changes

Release of sediment from dredging activities has the potential to enter the Hay River. Proponent has been directed to include sediment and erosion control and spill response measures into updated Waste Management and Spill Contingency Plans for Board approval prior to operations. Additional conditions of the Licence include the need to take every reasonable precaution to protect the environment, prevent escape of Waste to the Receiving Environment, use of appropriate mitigation measures, monitoring, and follow-up actions, to ensure that adequate spill prevention infrastructure and spill response equipment is in place, and implementation of erosion control measures.

water quantity changes

drainage pattern changes

temperature

wetland changes/loss

other:

N/A

Impact

3) Noise

Mitigation

noise in/near water

Heavy machinery will introduce noise to the area but operations should be of a short duration and impacts should be minimal. No mitigation proposed.

noise increase

Heavy machinery will introduce noise to the area but operations should be of a short duration and impacts should be minimal. No mitigation proposed.

other:

N/A

Impact

4) Land

Mitigation

geologic structure changes

soil contamination

The risk of a spill with the use of heavy machinery should be mitigated using preventative measures and response outlined in the Spill Contingency Plan

buffer zone loss

soil compaction and settling

Heavy machinery use may contribute to soil compaction and settling but the site is previously disturbed, operations should be of short duration, and impacts should be minimal. No mitigation proposed.

destabilization/erosion

Release of sediment from dredging activities has the potential to enter the Hay River. Proponent has been directed to include sediment and erosion control and spill response measures into updated Waste Management and Spill Contingency Plans for Board approval prior to operations. Additional conditions of the Licence include the need to take every reasonable precaution to protect the environment, prevent escape of Waste to the Receiving Environment, use of appropriate mitigation measures, monitoring, and follow-up actions, to ensure that adequate spill prevention infrastructure and spill response equipment is in place, and implementation of erosion control measures.

- 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

Heavy machinery will introduce localized emissions but operations should be of a short duration and impacts should be minimal. No mitigation proposed.

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
- waterfowl population changes
- breeding disturbance
- population reduction
- species diversity change
- health changes

- behavioural changes
- habitat changes / effects

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The Fisheries Act requires that projects avoid causing serious harm to fish unless authorized by the Minister of Fisheries and Oceans Canada (DFO). This applies to work being conducted in or near waterbodies that support fish that are part of, or that support a commercial, recreational or Aboriginal fishery. The Town of Hay River has confirmed that they will complete a Request for Review to DFO prior to excavation.

- 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

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

Activities may temporarily obstruct access and use of the Porritt Landing recreational site but the purpose of the activities associated with the Licence is to improve usability of the local dock. No mitigation proposed.

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.
- Pursuant to section 27, paragraphs (a) and (b) of the **Dehcho First Nations (DCFN)** Interim Measures Agreement, the MVLWB has determined that written notice was given to the DCFN, and that a reasonable period of time was allowed for DCFN to make representations with respect to the application.

Preliminary Screener / Referring Body Information

Acho Dene Koe First Nation
Akaitcho IMA Implementation Office
Athabasca Denesuline Council
Bathurst Inlet Development Ltd.
Bathurst Inlet Lodge
BNT Gold Resources Ltd.
CanNor NWT Region
City of Yellowknife
Dehcho First Nations
Deh Cho Land Use Planning Committee
Deh Gah Got'ie Dene Council
Dene Nation
Dene Tha' First Nation
Deninu K'ue First Nation
Det'on Cho Corporation
Digaa Enterprises Ltd.
Environment and Climate Change Canada
Fisheries and Oceans Canada
Fort Providence Metis Council #57
Fort Providence Resource Management Board
Fort Resolution Metis Council
Fort Simpson Metis Local 52
General Public – John Bartlett
GNWT – ECE
GNWT – ENR
GNWT – ENR - North Slave Region
GNWT – ENR - South Slave Region - Fort Smith
GNWT – Health
GNWT – INF
GNWT – ITI
GNWT – Lands
GNWT – Lands - Dehcho Region
GNWT – Lands - Hay River Region
GNWT – Lands - North Slave Region
GNWT – Lands - South Slave Region - Fort Smith
GNWT – MACA
Golder Associates
Hamlet of Fort Liard
Hamlet of Fort Providence
Hamlet of Fort Resolution
INAC – CARD
INAC – NWT Inspectors
Ka'a'gee Tu First Nation
Katlodeeche First Nation
Liard First Nation (Yukon)
Liidlil Kue First Nation (Ft Simpson)
Lutsel K'e Dene First Nation - Chief or Wildlife, Lands and Environment
Mackenzie Valley Environmental Impact Review Board
Manitoba Denesuline
MVLWB
Naha Dehe Dene Band
National Energy Board
North Slave Metis Alliance
Northwest Territory Metis Nation
NWT & Nunavut Chamber of Mines
NWT – OROGO
Pehdzeh Ki First Nation (Wrigley)
Ross River Dena Council
Salt River First Nation
Smith's Landing First Nation
Snap Lake Environmental Monitoring Agency – SLEMA
Sambaa Ke First Nation (Trout Lake)
Tlicho Government
Tlicho Lands Protection Department
Town of Fort Smith
Transport Canada
TthedzehK?edeli First Nation (JMR)
Wek'eezhii Renewable Resources Board
West Point First Nation
WLWB
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 MV2018L7-0002, Town of Hay River, Porritt Landing Dredging, Hay River, 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 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 *Waters Act* and Waters Regulations has decided that this Water Licence can be issued subject to the terms and conditions contained therein.

Preliminary Screening Decision	
<input 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 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>
<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 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>

Preliminary Screening Organization

Mackenzie Valley Land and Water Board

February 7, 2019

Signatures

Mavis Cli-Michaud, Chair