



PRELIMINARY SCREENING REPORT FORM

PRELIMINARY SCREENER: WLWB REFERENCE / FILE NUMBER: W2011F0006 TITLE: Bridge Installation in community of Wekweèti ORGANIZATION: Community Government of Wekweèti MEETING DATE: January 9, 2012	EIRB REFERENCE NUMBER:
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- Type of Development:** (CHECK ALL THAT APPLY)
- | | | |
|-------------------------------------|---|---------------------------|
| <input type="checkbox"/> | New | |
| <input checked="" type="checkbox"/> | Amend, EIRB Ref. # | (WLWB Ref. #W2011L8-0001) |
| <input checked="" type="checkbox"/> | Requires permit, license or authorization | |
| <input type="checkbox"/> | Does not require permit, license or authorization | |

Project Summary

The Community Government of Wekweèti proposes to install pre-fabricated bridges at Snare Lake Narrows, between Upper and Lower Snare Lake.

Scope

Water Licence W2011L8-0001 entitles the Community Government of Wekweèti to install pre-fabricated bridges at the Snare Lake Narrows that connect Upper and Lower Snare Lake located at 64° 11' 25" N, 114° 10' 58" W, within the community boundary of the Tłı̨chǫ Community of Wekweèti, Northwest Territories. A preliminary screening was conducted by the WLWB and approved at the September 20, 2011 Board meeting.

One of the activities associated with the Wekweèti Bridge Project also requires a Land Use Permit, namely, use of a power-driven earth drilling machine (MVLUR 4.b.i. and 5.b.i.); therefore, this screening is being amended to include the use of a drill. The impacts and mitigations identified in this amended screening do not differ from those identified in the Water Licence screening of September 20, 2011 – for this project, the use of a drill does not result in any additional impacts.

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 checked="" type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific/ |
| <input type="checkbox"/> Research | <input type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Solid Waste |
| <input type="checkbox"/> Water Intake | | |
| <input type="checkbox"/> Other: | | |

Principal Development Components (related to scoping)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Access Road | <input checked="" type="checkbox"/> Waste Management |
| <input checked="" type="checkbox"/> construction | <input type="checkbox"/> disposal of hazardous waste |
| <input type="checkbox"/> abandonment/removal | <input 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 |
| <input type="checkbox"/> Blasting | <input type="checkbox"/> Geoscientific Sampling |
| <input type="checkbox"/> Building | <input type="checkbox"/> trenching |
| <input type="checkbox"/> Burning | <input type="checkbox"/> diamond drill |
| <input type="checkbox"/> Burying | <input type="checkbox"/> borehole core sampling |
| <input type="checkbox"/> Channeling | <input type="checkbox"/> bulk soil sampling |
| <input type="checkbox"/> Cut and Fill | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Cutting of Trees or Removal of Vegetation | <input type="checkbox"/> Hydrological Testing |
| <input type="checkbox"/> Dams and Impoundments | <input checked="" type="checkbox"/> Site Restoration |
| <input type="checkbox"/> construction | <input type="checkbox"/> fertilization |

- 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

- grubbing
- planting/seeding
- reforestation
- scarify
- spraying
- recontouring
- Slashing and removal of vegetation
- Soil Testing
- Stream Crossing/Bridging
- Tunneling/Underground
- Other (describe):

NTS Topographic Map Sheet Numbers
(LIST ALL THAT APPLY)

Latitude / Longitude and UTM System:

64° 11' 25" N, 114° 10' 58" W

Nearest Community and Water Body:

Wekweeti
Snare Lake

Land Status (*consultation information*)

- Private (Tłıchǫ)
- Commissioners Land
- Federal Crown Land
- Municipal Land (Tłıchǫ)

Transboundary Implications

- British Columbia
- Alberta
- Saskatchewan
- Yukon
- Nunavut
- Wood Buffalo National Park
- Inuvialuit Settlement Region

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

IMPACT

2. Surface Water

- flow or level changes
- water quality changes

MITIGATION

Possibility of contamination from fuel spills from vehicles, equipment and fuel storage. The applicant has submitted a Spill Contingency Plan outlining preventive measures and spill clean-up. Conditions within WL address fuel storage and spill contingency measures. Drip trays will be used where there is potential for small leaks and spills. Also, possibility of contamination due to erosion and deposition of sediment into water. The proposed undertaking will occur during winter, when the stream and surrounding ground is completely frozen and there will be time for any sediment/debris to be cleaned from the ice and snow prior to spring breakup.

- water quantity changes
- Drainage pattern changes
- temperature
- wetland changes / loss
- other:
- N/A

IMPACT

3. Noise

- noise in/near water
- other: noise increase
- N/A

MITIGATION

Noise may temporarily disturb wildlife. However, the impact is expected to be minimal, localized, and over a short duration. No significant effect should occur.

IMPACT**4. Land** geologic structure changes soil contamination buffer zone loss soil compaction & settling Destabilization / erosion permafrost regime alteration other: N/A**MITIGATION**

Possibility of contamination from fuel spills from vehicles, equipment and fuel storage. The applicant has submitted a Spill Contingency Plan outlining preventive measures and spill clean-up. Conditions within WL address fuel storage and spill contingency measures. The proposed undertaking will occur during winter, when the stream and surrounding ground is completely frozen.

Compaction will be limited to the road right of way, where it is a necessary part of road construction. The proposed undertaking will occur during winter, when the stream and surrounding ground is completely frozen, which will minimize soil compaction.

Erosion may occur on excavations, embankments and approaches to the water course. Conditions within the WL deal with erosion, bank stabilization and sediment control in order to ensure that sediment does not enter any watercourse. The proposed undertaking will occur during winter, when the stream and surrounding ground is completely frozen and less susceptible to erosion; ensuring that there is adequate snow and ice cover on the streambanks prior to operation of equipment, as described in the application, will further assist in limiting erosion potential.

IMPACT**5. Non Renewable Natural Resources** resource depletion other: N/A**MITIGATION****IMPACT****6. Air/Climate/ Atmosphere** Other N/A**MITIGATION****BIOLOGICAL ENVIRONMENT****IMPACT****1. Vegetation** species composition species introduction toxin / heavy accumulation other: N/A**MITIGATION**

Disturbed areas will be limited to the west side landing. A seasonal road is already in-place. Other than the areas used for development, no further clearing of vegetation beyond the road allowance is anticipated for the purposes of this project. Minimal vegetation loss is expected.

IMPACT**2. Wildlife & Fish** effects on rare, threatened or endangered species**MITIGATION**

- fish population changes
- waterfowl population changes
- breeding disturbance
- population reduction
- species diversity change
- health changes
(Identify)
- behavioural changes
(Identify)
- habitat changes / effects

Some species may avoid the area during construction. This effect is localized and short term, therefore minimal impact is expected.

FISH HABITAT: The approaches leading to the bridge crossings will be permanent in nature, minimizing the potential for impact to the environment by future equipment use. It is anticipated that the watercourse will be frozen to the bottom and the ice bridge will protect the river bed from disturbance during the undertaking. Clean snow and ice is to be used for placing the bridges into position in order to protect the stream banks. Any the dirty snow and ice will be scraped up and hauled to an old rock quarry pit near the dump where the ice will melt and the stones and fines will settle where it will not enter any waters.

WILDLIFE HABITAT: Some species may avoid the area during construction. This effect is localized and short term, therefore minimal impact is expected.

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

INTERACTING ENVIRONMENT

IMPACT

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

MITIGATION

IMPACT

2. Social and Economic

MITIGATION

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:

The bridge is anticipated to increase access to and from the community cemetery and it is expected that the bulk of access will be in winter by Wekweeti citizens

N/A

IMPACT
3. Cultural and Heritage

MITIGATION

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 site

other:

N/A

The project will have a positive impact of community culture and community wellness. No negative impacts are anticipated. No new operations are being introduced and the bridge is being built to improve access to recreation grounds.

PRELIMINARY SCREENER / REFERRING BODY INFORMATION
(CHECK ALL THAT APPLY)

	RA or DRA	ADVICE	PERMIT REQUIRED
Environment Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fisheries and Oceans	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Indian and Northern Affairs Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Canadian Heritage (Parks Canada)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Natural Resources Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Works and Gov't Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transport Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Northern Oil and Gas Directorate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Nuclear Safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Industry Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Transportation Agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Defence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT – ENR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - MACA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - Transportation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - Health	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT – Industry, Tourism and Investment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prince of Wales Heritage Center	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worker's Compensation Board	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MVEIRB	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MVLWB	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wek'èezhii Renewable Resources Board	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Deh Cho First Nations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tłı̨chǫ Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Behchoko Community Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gameti Community Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wekweeti Community Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Whati Community Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lutselk'e Dene First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Akaįtcho Prescreening Board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rae-Edzo Metis Local #64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Slave Metis Alliance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Northwest Territory Metis Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deninu Kue First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kitikmeot Inuit Association	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yellowknives Dene First Nation (Ndilo)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yellowknives Dene First Nation (Dettah)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Barrenground Caribou Outfitters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

REASONS FOR DECISION
(LIST ALL REASONS AND SUPPORTING RATIONALES FOR PRELIMINARY SCREENING DECISION)

DECISION:

The Wek'èezhii Land and Water Board (The Board) is satisfied that the preliminary screening of Land Use Permit Application W2011F0006 from the Community Government of Wekweeti has been completed in accordance with Section 125 of the *Mackenzie Valley Resource Management Act*.

The Board is satisfied that a reasonable period of notice was given to Communities and First Nations affected by the application as required by Subsection 63(2) of the *MVRMA* so that they could provide comments to the Board.

The Board is also satisfied that the Tłı̨chǫ Government has also been consulted in accordance with Section 63 of the *MVRMA*

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 that:

- there is no likelihood that the proposed development might have a significant adverse impact on the environment; and
- there is no likelihood that the proposed development might be 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 plans described in the application and through the imposition of the terms and conditions in the attached Land Use Permit (W2011F0006) and the associated Water Licence (W2011L8-0001).

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 checked="" 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



Chair, Wek'èezhii Land and Water Board