



125 250 500 Metres 1:10,000

Major Road

Local Road -- Winter Road

Railway (Operational) -+ Railway (Discontinued) Mining
Provincial Park

== 66 m Right of Way

Major Stream Crossing

Abandoned Rail Crossing A Rail Crossing

Transmission Line Crossing Proposed Access Route
*Labels correspond to BPIII
Access Management Database

Soils and Terrain

Water Groundwater

Construction Environmental Protection Plan Construction Section N3 Environmentally Sensitive Site Locations

MAP NUMBER: 121

ESS Group : Groundwater

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S03	N3-Aqua- 200	Aquifers Vulnerable to contamination	Site: 31 to 32	E-479552 N-6050468	E-460122 N-6044246	14N	20403m

Potential Effects:

Potential groundwater contamination from a contingency event (e.g., spill)

Specific Mitigation:

- Marshaling yards will be located on upland sites where possible
- An Emergency Preparedness and Spill Response Plan will be developed and an emergency response spill kit will be kept on-site at all times in case of fluid leaks or spills from machinery

ESS Group: Water Crossing

Sec- Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
N3-S03	N3- Aqua- 108	Unnamed Tributary into Mitishto River	466424	6046234	14N	6m	6m	Marginal	Low

Potential Effects:

Habitat loss & contamination from structure foundations & installations; increased erosion & sedimentation of streams; damage to stream banks; loss of riparian vegetation; fish habitat disturbance & impeded fish movement

Specific Mitigation:

- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Identify and flag buffer areas prior to start of work
- Riparian Buffers shall be a minimum of 30m and increase in size based on slope of land entering waterway. Within these buffers shrub and herbaceous understory veg will be maintained along with trees that do not violate MH Veg Clearance Requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.
- Adhere to Department of Fisheries and Oceans (DFO) Operational Statements for Temporary Stream Crossings, Ice Bridges and Snow Fills, and Overhead Line Construction
- No instream works or fording from April 15 July 15

ESS Group: Permafrost

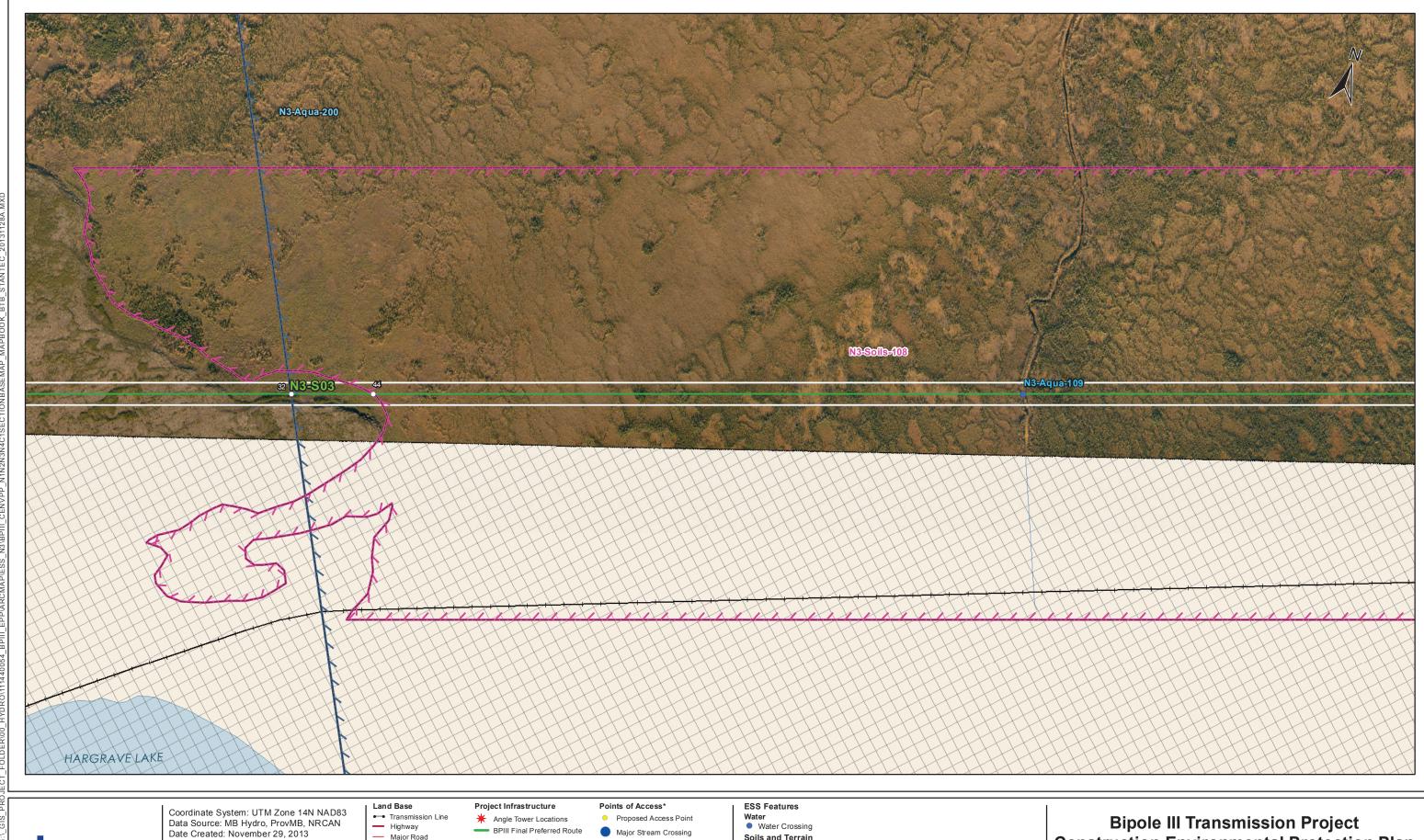
Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S03	N3-Soils-108	Permafrost	Site: 43 to 44	E-472774 N-6048237	E-460348 N-6044317	14N	13030m

Potential Effects:

Melting or loss of permafrost due to disturbance of the active layer

Specific Mitigation:

- Carry out construction activities on frozen ground to minimize surface damage and rutting
- Use existing trails, roads or cut lines whenever possible as access routes
- Avoid organic soils containing permafrost to the extent possible
- Maintain shrub and herbaceous vegetation to the extent possible
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan





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Metres 1:10,000 Major Road

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Soils and Terrain

Water Groundwater

Construction Environmental Protection Plan Construction Section N3 Environmentally Sensitive Site Locations

MAP NUMBER: 122

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Potential Effects:

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ESS Group: Water Crossing

Sec- Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
N3-S03	N3- Aqua- 109	Unnamed Tributary into Mitishto River	462134	6044881	14N	7m	7m	Marginal	Low

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