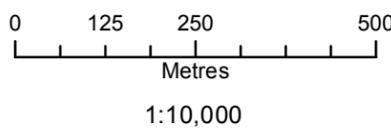


Coordinate System: UTM Zone 14N NAD83
 Data Source: MB Hydro, ProvMB, NRCAN
 Date Created: July 29, 2014
 Version: Draft



- | | |
|--|---|
| <p>Land Base</p> <ul style="list-style-type: none"> — Transmission Line — Highway — Major Road — Local Road — Winter Road — Railway (Operational) — Railway (Discontinued) ⊠ Mining | <p>Project Infrastructure</p> <ul style="list-style-type: none"> ★ Angle Tower Locations — LWESI Final Preferred Route — 60 m Right of Way ⊠ Manigotagan Corner Station Preferred Site |
|--|---|

- ESS Features**
- Water
 - Water Crossing
 - Resource Use
 - Food/Medicinal
 - Water
 - Wetland

**Lake Winnipeg East Side Initiative
 Transmission Project
 Construction Environmental Protection Plan
 Environmentally Sensitive Site Locations**

DRAFT: FOR DISCUSSION PURPOSES ONLY

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Source
LWE-S13	LWE-Aqua-122	Unnamed tributary	702576	5610655	14N	Manitoba Hydro Consultants

Potential Effects:

Habitat loss & contamination from structure foundations & installations; Increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Rutting of floodplain

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

ESS Group: Wetland /Fens

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance	Source
LWE-S13	LWE-Aqua-326	Wetland sensitivity area	Site: 165 to 166	E-702774 N-5611159	E-702704 N-5610980	14N	191m	Manitoba Hydro Consultants

Potential Effects:

Potential Disruption to sensitive wetland habitat

Specific Mitigation:

- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Provide 30 m vegetated (shrub and herbaceous) buffer around site
- Remove trees by low-disturbance methods within buffer
- The application of herbicides is prohibited within buffer

ESS Group: Food/Medicinal

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance	Source
LWE-S13	LWE-Ruse-208	Berry Harvest	Site: 143 to 144	E-705191 N-5617311	E-701407 N-5607679	14N	10348 m	ATK

Potential Effects:

Loss of plants as a result of clearing, construction, maintenance and decommissioning activities.

Specific Mitigation:

- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Minimize surface disturbance around the site to the extent possible
- No Herbicide to be applied during construction
- Confine vehicle traffic to established trails to the extent possible



Coordinate System: UTM Zone 14N NAD83
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- Land Base**
- Transmission Line
 - Highway
 - Major Road
 - Local Road
 - Winter Road
 - Railway (Operational)
 - Railway (Discontinued)
 - Mining

- Project Infrastructure**
- ★ Angle Tower Locations
 - LWESI Final Preferred Route
 - 60 m Right of Way
 - Manigotagan Corner Station Preferred Site

- ESS Features**
- Ecosystem**
 - Species of Concern
 - Water**
 - Water Crossing
 - Resource Use**
 - Food/Medicinal
 - Water
 - Wetland

**Lake Winnipeg East Side Initiative
 Transmission Project
 Construction Environmental Protection Plan
 Environmentally Sensitive Site Locations**

DRAFT: FOR DISCUSSION PURPOSES ONLY

MAP 18

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Source
LWE-S13	LWE-Aqua-123	Winnipeg River	699989	5605554	14N	Manitoba Hydro Consultants

Potential Effects:

Habitat loss & contamination from structure foundations & installations; Increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Rutting of floodplain

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

ESS Group: Food/Medicinal

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance	Source
LWE-S13	LWE-Ruse-208	Berry Harvest	Site: 143 to 144	E-705191 N-5617311	E-701407 N-5607679	14N	10348m	ATK
LWE-S14	LWE-Ruse-208	Berry Harvest	Site: 167 to 168	E-701407 N-5607679	E-700871 N-5607429	14N	591m	ATK
LWE-S15	LWE-Ruse-208	Berry Harvest	Site: 169 to 170	E-700871 N-5607429	E-700816 N-5606575	14N	855m	ATK

Potential Effects:

Loss of plants as a result of clearing, construction, maintenance and decommissioning activities.

Specific Mitigation:

- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Minimize surface disturbance around the site to the extent possible
- No Herbicide to be applied during construction
- Confine vehicle traffic to established trails to the extent possible