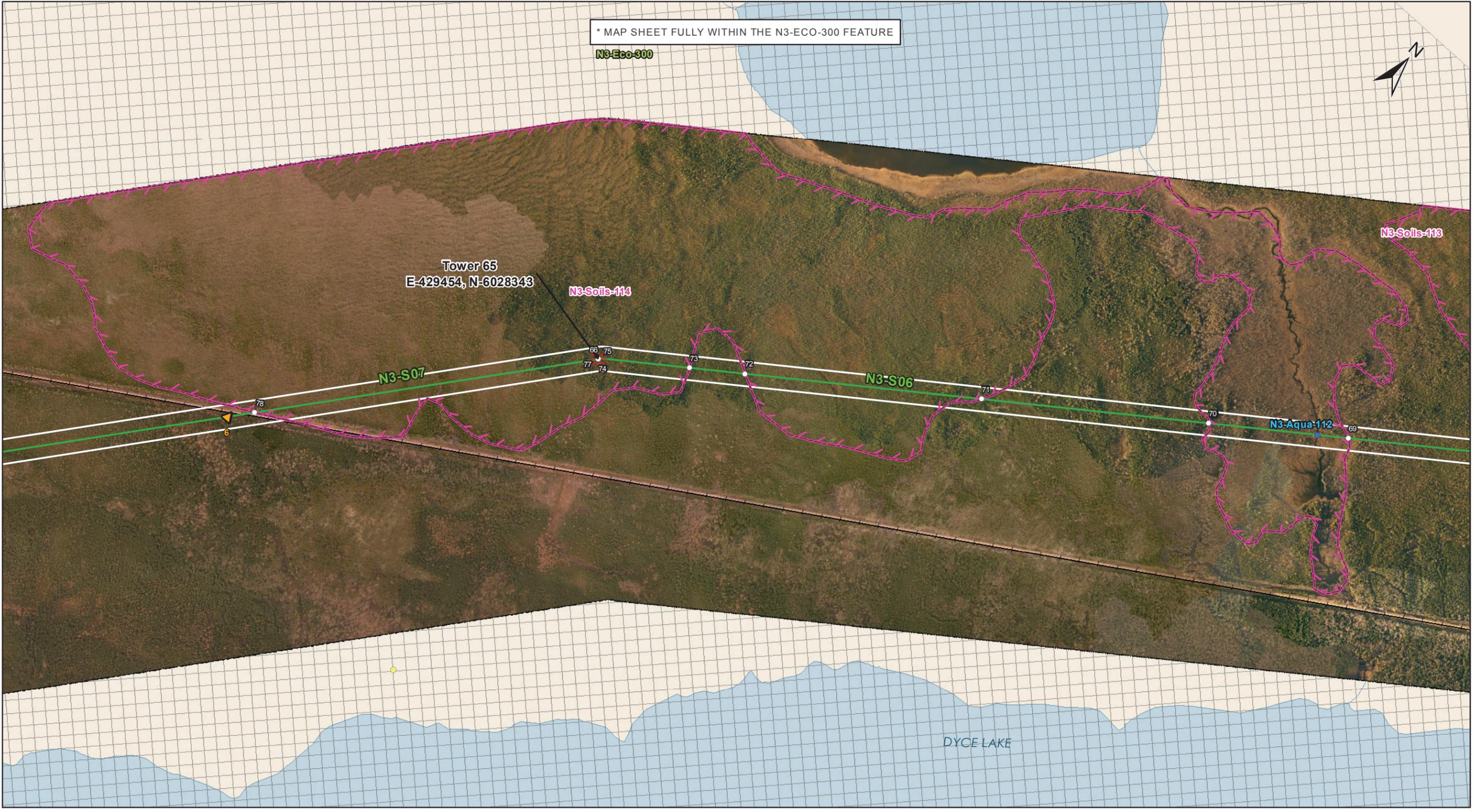


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* MAP SHEET FULLY WITHIN THE N3-ECO-300 FEATURE

N3-Eco-300



Coordinate System: UTM Zone 14N NAD83
 Data Source: MB Hydro, ProvMB, NRCAN
 Date Created: November 29, 2013

0 125 250 500
 Metres
 1:10,000

Land Base

- Transmission Line
- Highway
- Major Road
- Local Road
- Winter Road
- Railway (Operational)
- Railway (Discontinued)
- Mining
- Provincial Park

Project Infrastructure

- Angle Tower Locations
- BPIII Final Preferred Route
- 66 m Right of Way

Points of Access*

- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Proposed Access Route

*Labels correspond to BPIII Access Management Database

ESS Features

- Heritage**
 - Cultural or Historic
- Water**
 - Water Crossing
- Ecosystem**
 - Species of Concern
- Soils and Terrain**
 - Permafrost

**Bipole III Transmission Project
 Construction Environmental Protection Plan
 Construction Section N3
 Environmentally Sensitive Site Locations**

MAP NUMBER : 131

ESS Group : Permafrost

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S06	N3-Soils-114	Permafrost	Site:69 to 70	E-431145 N-6029511	E-430829 N-6029294	14N	383m
N3-S06	N3-Soils-114	Permafrost	Site:71 to 72	E-430317 N-6028941	E-429783 N-6028573	14N	648m
N3-S06	N3-Soils-114	Permafrost	Site:73 to 74	E-429658 N-6028487	E-429454 N-6028343	14N	249m
N3-S07	N3-Soils-114	Permafrost	Site:77 to 78	E-429454 N-6028343	E-428837 N-6027622	14N	949m

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

ESS Group : Species of Concern

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S06	N3-Eco-300	Plant Species of Concern	Site: 61 to 66	E-437389 N-6033813	E-429454 N-6028343	14N	8787m
N3-S07	N3-Eco-300	Plant Species of Concern	Site: 75 to 76	E-429454 N-6028343	E-428102 N-6026762	14N	2080m

Potential Effects:

Potential loss of previously known plants of conservation concern from clearing, construction, maintenance and decommissioning activities

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing access roads and trails to the extent possible
- Provide 5 m vegetated (shrub and herbaceous) buffer around site
- Remove trees by low-disturbance methods

- Confine vehicle traffic to established trails to the extent possible
- Install erosion protection and sediment control measures in accordance with Erosion/Sediment Control Plan

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-S06	N3-Aqua-112	Unnamed Tributary into Dyce Lake	431074	6029462	14N	8m	N/A	Marginal	Moderate Fish Habitat Sensitivity

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

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Manitoba Hydro

Coordinate System: UTM Zone 14N NAD83
 Data Source: MB Hydro, ProvMB, NRCAN
 Date Created: November 29, 2013

0 125 250 500
 Metres
 1:10,000

Land Base

- Transmission Line
- Highway
- Major Road
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ESS Features

Ecosystem

- Species of Concern

Soils and Terrain

- Permafrost

**Bipole III Transmission Project
 Construction Environmental Protection Plan
 Construction Section N3
 Environmentally Sensitive Site Locations**

Map 132

MAP NUMBER : 132

ESS Group : Species of Concern

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S07	N3-Eco-300	Plant Species of Concern	Site: 75 to 76	E-429454 N-6028343	E-428102 N-6026762	14N	2080m
N3-S08	N3-Eco-300	Plant Species of Concern	Site: 79 to 80	E-428102 N-6026762	E-427787 N-6026579	14N	365m

Potential Effects:

Potential loss of previously known plants of conservation concern from clearing, construction, maintenance and decommissioning activities

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing access roads and trails to the extent possible
- Provide 5 m vegetated (shrub and herbaceous) buffer around site
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Install erosion protection and sediment control measures in accordance with Erosion/Sediment Control Plan