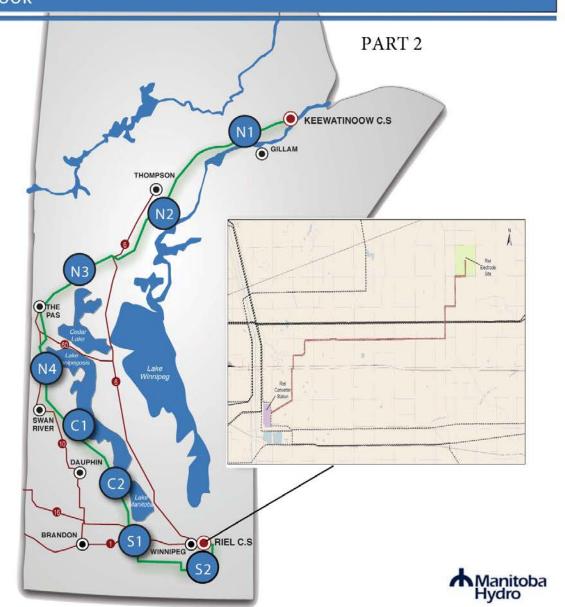
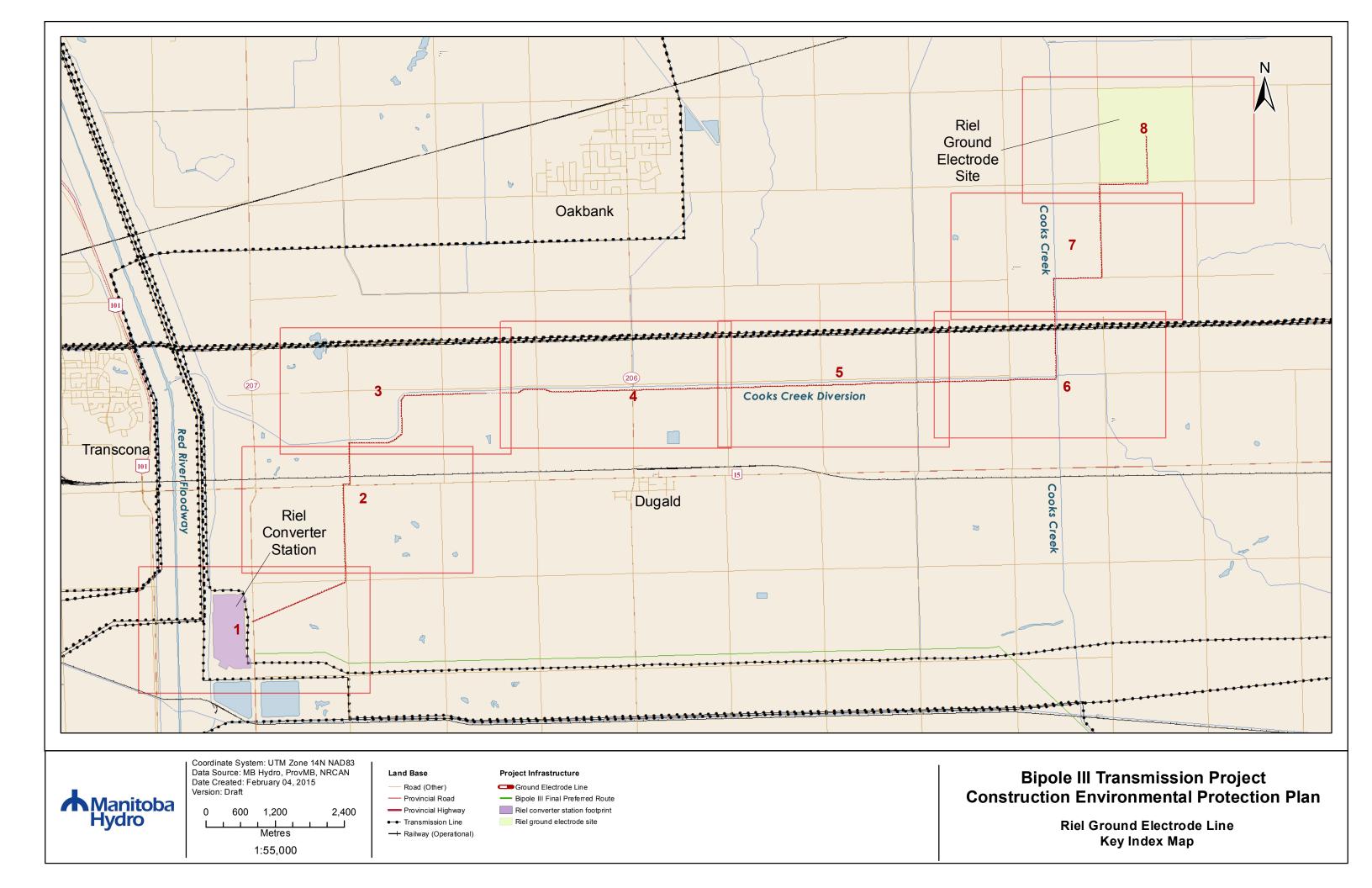
# BIPOLE III TRANSMISSION PROJECT CONSTRUCTION ENVIRONMENTAL PROTECTION PLAN - Riel Converter Station Ground Electrode Line Mapbook







#### ESS Group: Groundwater

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	Distance
RGEL	S2-Aqua-206	Aquifers vulnerable to contamination	Site 1 to 2		E-649938 N-5527470	1096 m

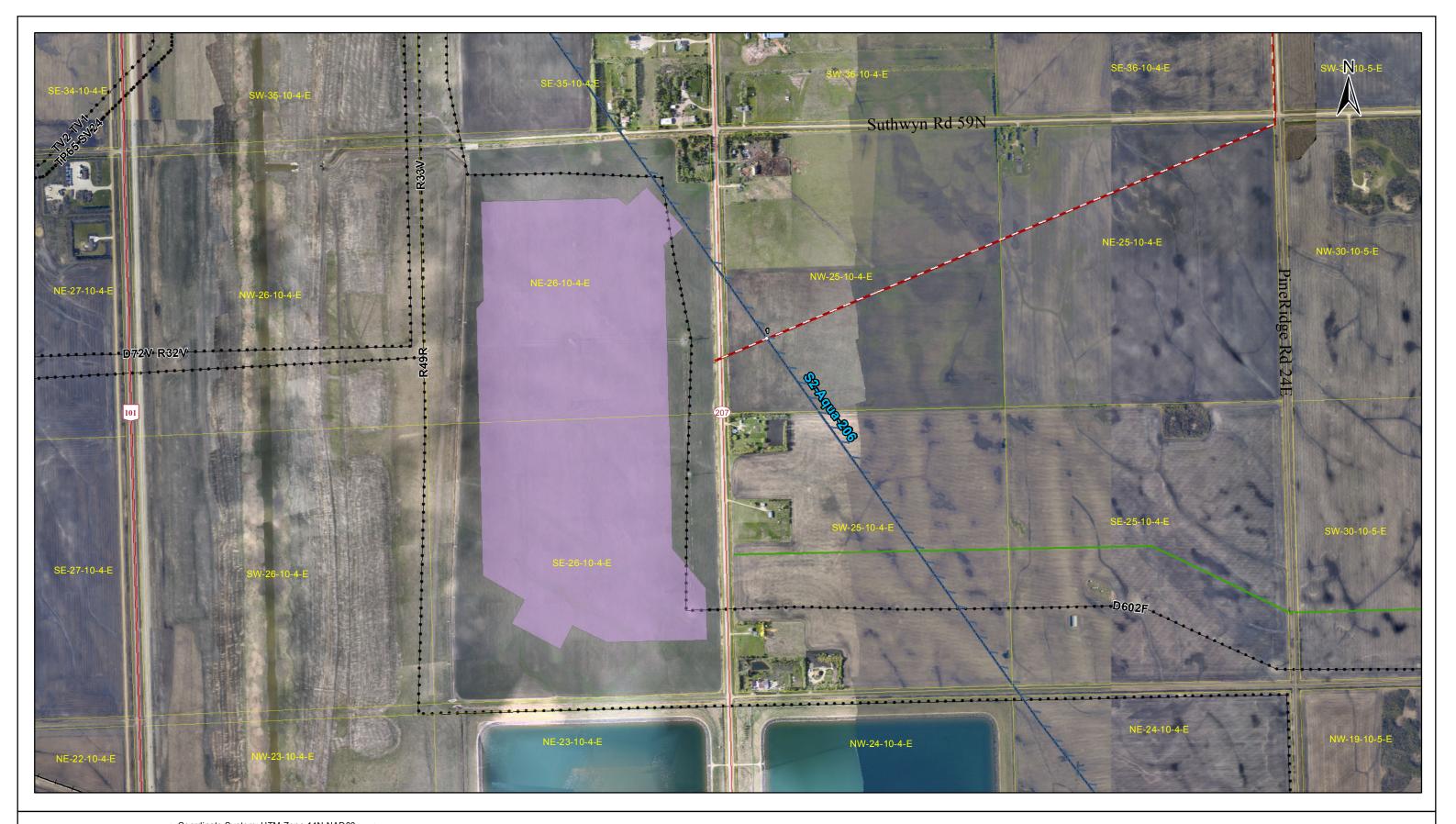
#### **Potential Effects:**

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

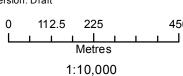
#### Specific Mitigation:

- 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.
- Qualified driller with appropriate experience will be contracted to work in areas affected by artesian conditions.
- Emergency response plans for sealing/grouting and pumping will be implemented as required.

Version: Draft







Parcel Fabric

Road (Other)

— Provincial Road — Provincial Highway ◆ Transmission Line

--- Railway (Operational)

#### Project Infrastructure

Groundwater Riel Ground Electrode Line

- Bipole III Final Preferred Route

### Riel Converter Station Footprint

### **Bipole III Transmission Project Construction Environmental Protection Plan**

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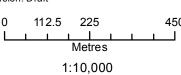
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Version: Draft







#### Parcel Fabric Road (Other)

- Provincial Highway

--- Railway (Operational)

— Provincial Road

Project Infrastructure Riel Ground Electrode Line Groundwater

**Bipole III Transmission Project** Construction Environmental Protection Plan

Sec-Seg ID	ESS ID	ESS Name
RGEL		Cooks Creek Diversion

#### **Potential Effects:**

Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

#### Specific Mitigation:

- Use existing trails, roads or cut lines whenever possible as access routes
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.





0 112.5 225 45 Metres 1:10,000

#### Land Base

Parcel Fabric

◆ Transmission Line

ase Project Infrastructure
cel Fabric = Riel Ground Electrode Line

ESS Featur

--- Road (Other)

- Water Crossing

### Bipole III Transmission Project Construction Environmental Protection Plan

Sec-Seg ID	ESS ID	ESS Name
RGEL	RGEL-Aqua- 100	Cooks Creek Diversion

#### **Potential Effects:**

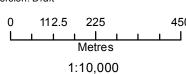
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#### Specific Mitigation:

- Use existing trails, roads or cut lines whenever possible as access routes
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.







Parcel Fabric Road (Other)

- Provincial Road

◆ Transmission Line

Project Infrastructure Riel Ground Electrode Line

--- Water Crossing

# Bipole III Transmission Project Construction Environmental Protection Plan

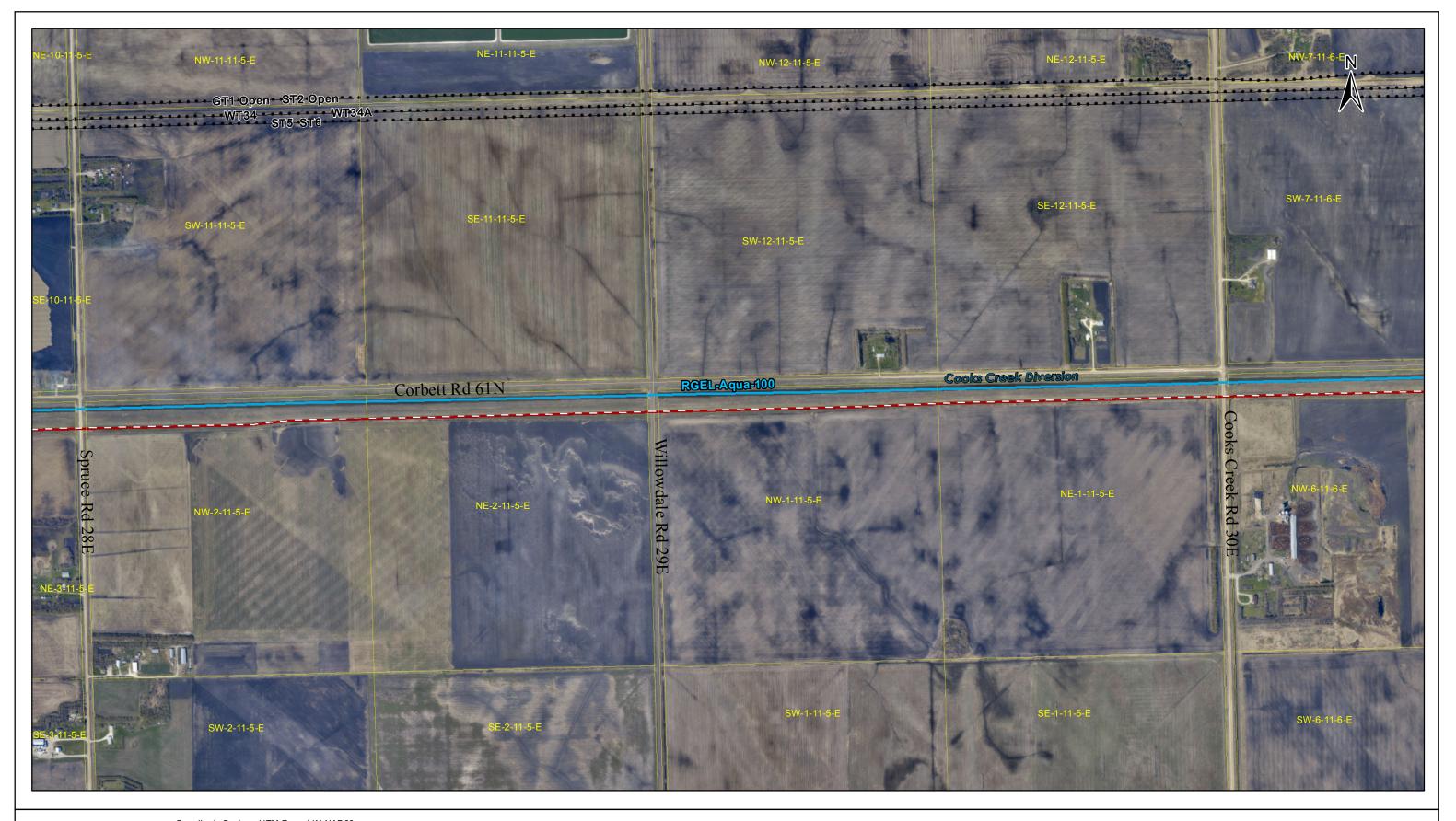
Sec-Seg ID	ESS ID	ESS Name	
RGEL	RGEL-Aqua- 100	Cooks Creek Diversion	

#### **Potential Effects:**

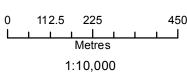
Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

#### Specific Mitigation:

- Use existing trails, roads or cut lines whenever possible as access routes
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.







Parcel Fabric Road (Other)

◆ Transmission Line

Project Infrastructure Riel Ground Electrode Line

--- Water Crossing

# Bipole III Transmission Project Construction Environmental Protection Plan

Sec-Seg ID	ESS ID	ESS Name	
RGEL	RGEL-Aqua- 100	Cooks Creek Diversion	

#### **Potential Effects:**

Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

#### Specific Mitigation:

- Use existing trails, roads or cut lines whenever possible as access routes
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing
RGEL	RGEL-Aqua- 100	Cooks Creek Diversion	662265	5529934

#### **Potential Effects:**

Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

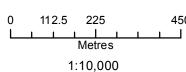
#### **Specific Mitigation:**

- 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.
- No instream work or fording from April 1 to June 30

Version: Draft







Parcel Fabric --- Road (Other)

Project Infrastructure Riel Ground Electrode Line  Water Crossing --- Water Crossing

# Bipole III Transmission Project Construction Environmental Protection Plan

**Riel Ground Electrode Line** 

MAP 6

Sec-Seg ID	ESS ID	ESS Name	
RGEL	RGEL-Aqua- 100	Cooks Creek and Drain	

#### **Potential Effects:**

Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

#### Specific Mitigation:

- Use existing trails, roads or cut lines whenever possible as access routes
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing
RGEL	RGEL-Aqua- 101	Cooks Creek and Drain	662247	5531626

#### **Potential Effects:**

Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

#### **Specific Mitigation:**

- 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.
- No instream work or fording from April 1 to June 30

Version: Draft