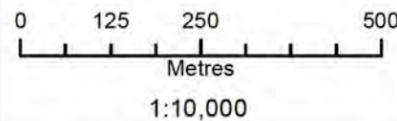


Coordinate System: UTM Zone 14N NAD83  
 Data Source: MB Hydro, ProvMB, NRCAN  
 Date Created: November 03, 2016  
 Version: Final 4.0



- Land Base**
- Transmission Line
  - Highway
  - Major Road
  - Local Road
  - - - Winter Road
  - Railway (Operational)
  - - - Railway (Discontinued)
  - First Nation
  - Mining
  - Provincial Forest

- Project Infrastructure**
- \* Angle Tower Locations\*
  - ▲ Towers (Preliminary)\*
  - BPIII Final Preferred Route
  - 66 m Right of Way
  - \*Towers are subject to change, and are only used as a rough guide*
- Sensitive Sites\***
- Point Features
  - Linear Features
  - Area Features
  - \*Currently outside the Project footprint*

- Points of Access\***
- Proposed Access Point
  - Major Stream Crossing
  - ▲ Abandoned Rail Crossing
  - ▲ Rail Crossing
  - Transmission Line Crossing
  - Bypass Trails
  - Approved Access Route

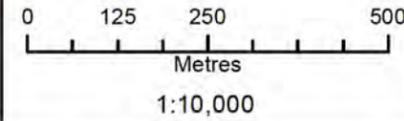
- ESS Features**
- Ecosystem
  - Habitat

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

No specific mitigation measures for this map, page intentionally left blank



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- Land Base**
- Transmission Line
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  - ▲ Rail Crossing
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  - Bypass Trails
  - Approved Access Route

- ESS Features**
- Water**
- Water Crossing

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S3	C2-Aqua-103	Unnamed Creek	493688	5649707	14N	No Data	No Data	No Data	No Data
C2-S3	C2-Aqua-104	Unnamed Creek	493891	5649349	14N	No Data	No Data	No Data	No Data

**Potential Effects:**

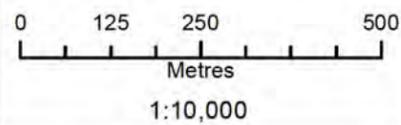
*Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation*

**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.



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- Land Base**
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  - Rail Crossing
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- ESS Features**
- Heritage**
- Archaeological
- Water**
- Water Crossing
- Land Use**
- Crown Land Encumbrance

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

**ESS Group:** Archaeological

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
C2-S3	C2-Hert-101	Creek west of Pedro Lake	496345	5645030	14N

**Potential Effects:**

*Potential disturbance to Heritage Resource*

**Specific Mitigation:**

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and flag prior to start of work
- Conduct site investigation with Archaeologist post clearing and prior to construction
- Minimize surface disturbance around the site to the extent possible
- Inspect excavated materials or surface disturbance for heritage resources and report any finds to Environmental Inspector
- Implement additional mitigation from site investigation

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S3	C2-Aqua-105	Unnamed Creek	493891	5649349	14N	No Data	No Data	No Data	No Data

**Potential Effects:**

*Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation*

**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.

**ESS Group:** Crown Land Encumbrance

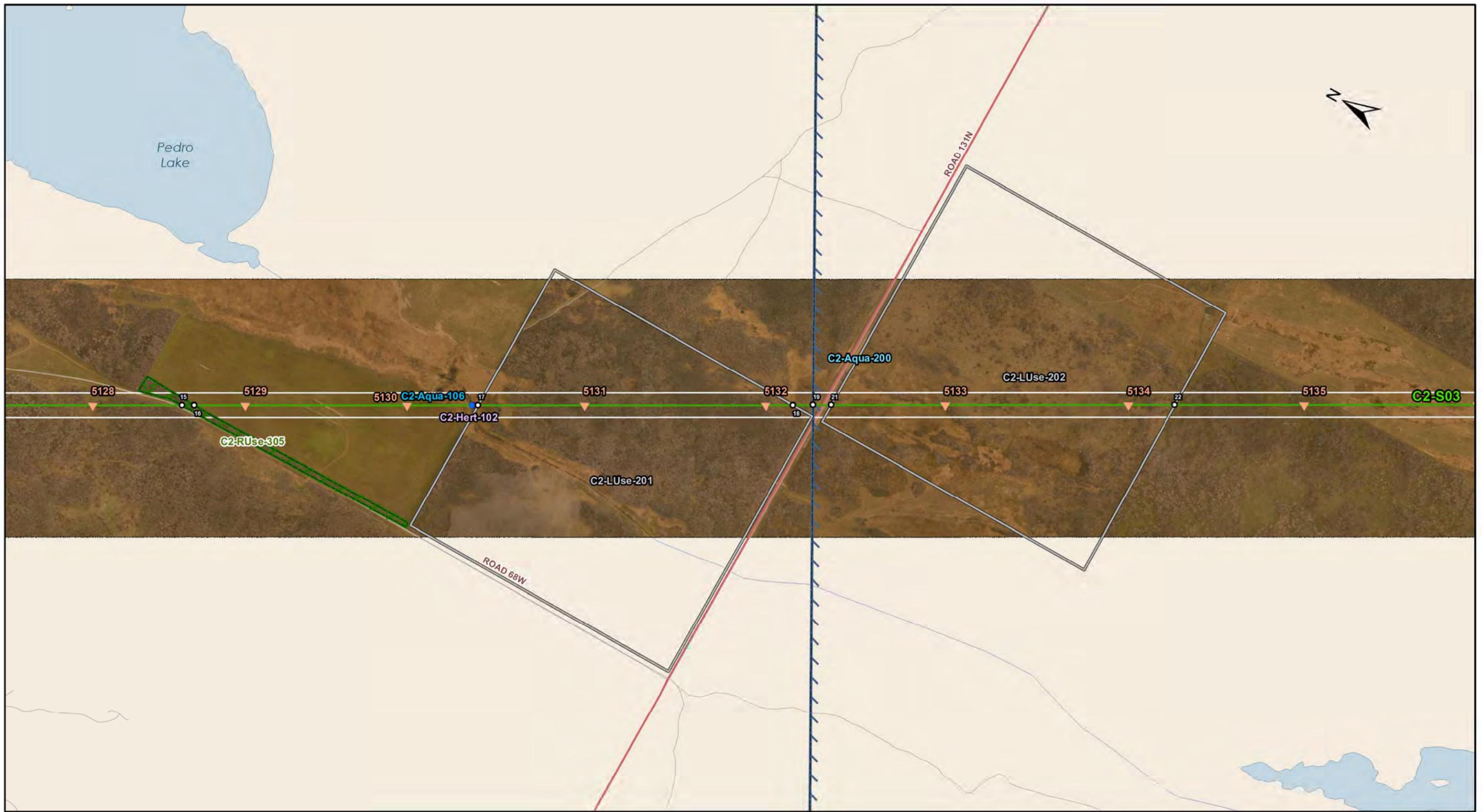
Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S3	C2-LUse-200	DU Canada Project – Crown land encumbrance	Site: 13 to 14	E-496086 N-5645501	E-496397 N-5644953	14N	629m

**Potential Effects:**

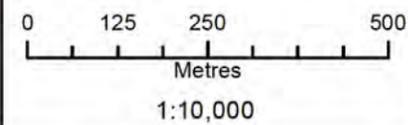
*Potential disturbance effects to conservation land*

**Specific Mitigation:**

- Notify Crown Lands and permittee with respect to clearing and construction schedules; adhere to Manitoba Hydro’s standard environmental protection practices in wetland areas
- Clearing and construction to occur in the winter months; install bird diverters if a waterfowl sensitive area; adhere to seasonally limited maintenance times



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  - Major Stream Crossing
  - ▲ Abandoned Rail Crossing
  - ▲ Rail Crossing
  - Transmission Line Crossing
  - Bypass Trails
  - Approved Access Route

- ESS Features**
- Heritage**
- Archaeological
- Water**
- Water Crossing
- Land Use**
- Crown Land Encumbrance
- Resource Use**
- Forestry

- Water**
- Groundwater

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

**ESS Group:** Archaeological

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
C2-S3	C2-Hert-102	Creek south of Pedro Lake	497321	5643312	14N

**Potential Effects:**

*Potential disturbance to Heritage Resource*

**Specific Mitigation:**

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and flag prior to start of work
- Conduct site investigation with Archaeologist post clearing and prior to construction
- Minimize surface disturbance around the site to the extent possible
- Inspect excavated materials or surface disturbance for heritage resources and report any finds to Environmental Inspector
- Implement additional mitigation from site investigation

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S03	C2-Aqua-106	Unnamed tributary from Pedro Lake	497321	5643312	14N	N/A	N/A	No Data	No Data

**Potential Effects:**

*Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation*

**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.

**ESS Group:** Crown Land Encumbrance

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S3	C2-LUse-201	DU Canada Project – Crown land encumbrance	Site: 17 to 18	E-497334 N-5643303	E-497758 N-5642559	14N	856 m
C2-S3	C2-LUse-202	DU Canada Project – Crown land encumbrance	Site: 21 to 22	E-497809 N-5642468	E-498271 N-5641655	14N	935 m

**Potential Effects:**

*Potential disturbance effects to conservation land*

**Specific Mitigation:**

- Notify Crown Lands and permittee with respect to clearing and construction schedules; adhere to Manitoba Hydro’s standard environmental protection practices in wetland areas
- Clearing and construction to occur in the winter months; install bird diverters if a waterfowl sensitive area; adhere to seasonally limited maintenance times

**ESS Group:** Forestry

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S3	C2-RUse-305	Shelterbelt	Site: 15 to 16	E-496936 N-5644005	E-496953 N-5643975	14N	33m

**Potential Effects:**

*Removal in area of ROW intersect*

**Specific Mitigation:**

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and flag prior to start of work
- If Burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to Vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber

**ESS Group:** Groundwater

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S3	C2-Aqua-200	Artesian areas with uncertain water quality	Site: 19 to 20	E-497785 N- 5642511	E-499686 N- 5639166	14N	3847 m

**Potential Effects:**

*Potential increase in salinity of soils and surface water in case where aquifer is saline and groundwater discharges to the surface; wetting the surficial environment (ground saturation)*

**Specific Mitigation:**

- 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.
- Follow up inspections of installed foundations will be undertaken to monitor for excess moisture.

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MAP SHEET FULLY WITHIN THE C2-AQUA-200 FEATURE

C2-Aqua-200

Jarvies Lake

C2-LUse-203

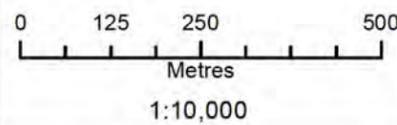


5136 5137 5138 5139 C2-S03 5140 5141 5142 C2-Aqua-107 C2-Aqua-108 5143 5144 5145  
 C2-S04 C2-Hert-103 C2-Aqua-109

North Round Lake



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- Land Base**
- Transmission Line
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  - Major Road
  - Local Road
  - Winter Road
  - Railway (Operational)
  - Railway (Discontinued)
  - First Nation
  - Mining
  - Provincial Forest

- Project Infrastructure**
- Angle Tower Locations\*
  - Towers (Preliminary)\*
  - BPIII Final Preferred Route
  - 66 m Right of Way
- \*Towers are subject to change, and are only used as a rough guide*
- Sensitive Sites\***
- Point Features
  - Linear Features
  - Area Features
- \*Currently outside the Project footprint*

- Points of Access\***
- Proposed Access Point
  - Major Stream Crossing
  - Abandoned Rail Crossing
  - Rail Crossing
  - Transmission Line Crossing
  - Bypass Trails
  - Approved Access Route

- ESS Features**
- Heritage**
- Archaeological
- Water**
- Water Crossing
- Land Use**
- Crown Land Encumbrance
- Water**
- Groundwater

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

**ESS Group:** Archaeological

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
C2-S4	C2-Hert-103	Creek near Jarvies Lake	500124	5638620	14N

**Potential Effects:**

*Potential disturbance to Heritage Resource*

**Specific Mitigation:**

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and flag prior to start of work
- Conduct site investigation with Archaeologist post clearing and prior to construction
- Minimize surface disturbance around the site to the extent possible
- Inspect excavated materials or surface disturbance for heritage resources and report any finds to Environmental Inspector
- Implement additional mitigation from site investigation

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S04	C2-Aqua- 107	Drain	500119	5638626	14N	No Data	No Data	No Data	No Data
C2-S04	C2-Aqua- 108	Unnamed tributary from Jarvies Lake	500152	5638584	14N	No Data	No Data	No Data	No Data

**Potential Effects:**

*Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation*

**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.
- No instream works or fording from April 1 - July 15

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S04	C2-Aqua- 109	Unnamed stream between Jarvies Lake and an unnamed lake	500784	5637795	14N	N/A	3m	Low	Marginal

**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:**

- 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.
- Follow up inspections of installed foundations will be undertaken to monitor for excess moisture.

**ESS Group:** Crown Land Encumbrance

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S4	C2-LUse-203	DU Canada Project – Crown land encumbrance	Site: 25 to 26	E-500229 N- 5638487	E-500305 N- 5638393	14N	120 m

**Potential Effects:**

*Potential disturbance effects to conservation land*

**Specific Mitigation:**

- Notify Crown Lands and permittee with respect to clearing and construction schedules; adhere to Manitoba Hydro’s standard environmental protection practices in wetland areas
- Clearing and construction to occur in the winter months; install bird diverters if a waterfowl sensitive area; adhere to seasonally limited maintenance times

**ESS Group:** Groundwater

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S3	C2-Aqua-200	Artesian areas with uncertain water quality	Site: 19 to 20	E-497785 N- 5642511	E-499686 N- 5639166	14N	3847m
C2-S4	C2-Aqua-200	Artesian areas with uncertain water quality	Site: 23 to 24	E-499686 N- 5639166	E-501935 N- 5636356	14N	3598m

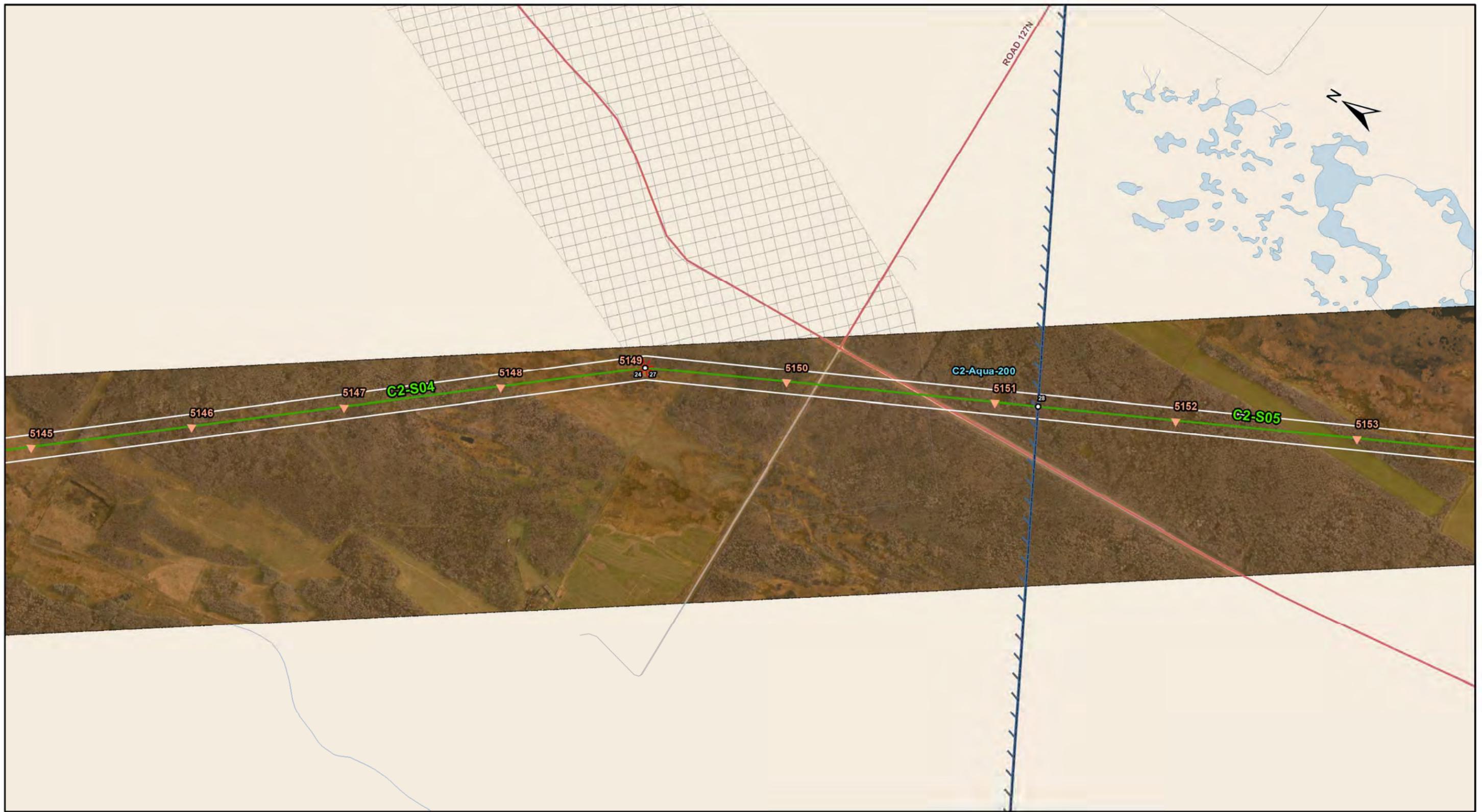
**Potential Effects:**

*Potential increase in salinity of soils and surface water in case where aquifer is saline and groundwater discharges to the surface; wetting the surficial environment (ground saturation)*

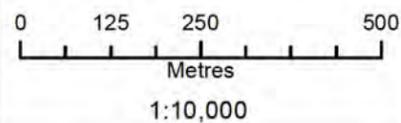
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  - ▲ Abandoned Rail Crossing
  - ▲ Rail Crossing
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  - Approved Access Route

- ESS Features**
- Water**
- Groundwater

**Bipole III Transmission Project**  
**Construction Environmental Protection Plan**  
**Construction Section C2**  
**Environmentally Sensitive Site Locations**

## ESS Group: Groundwater

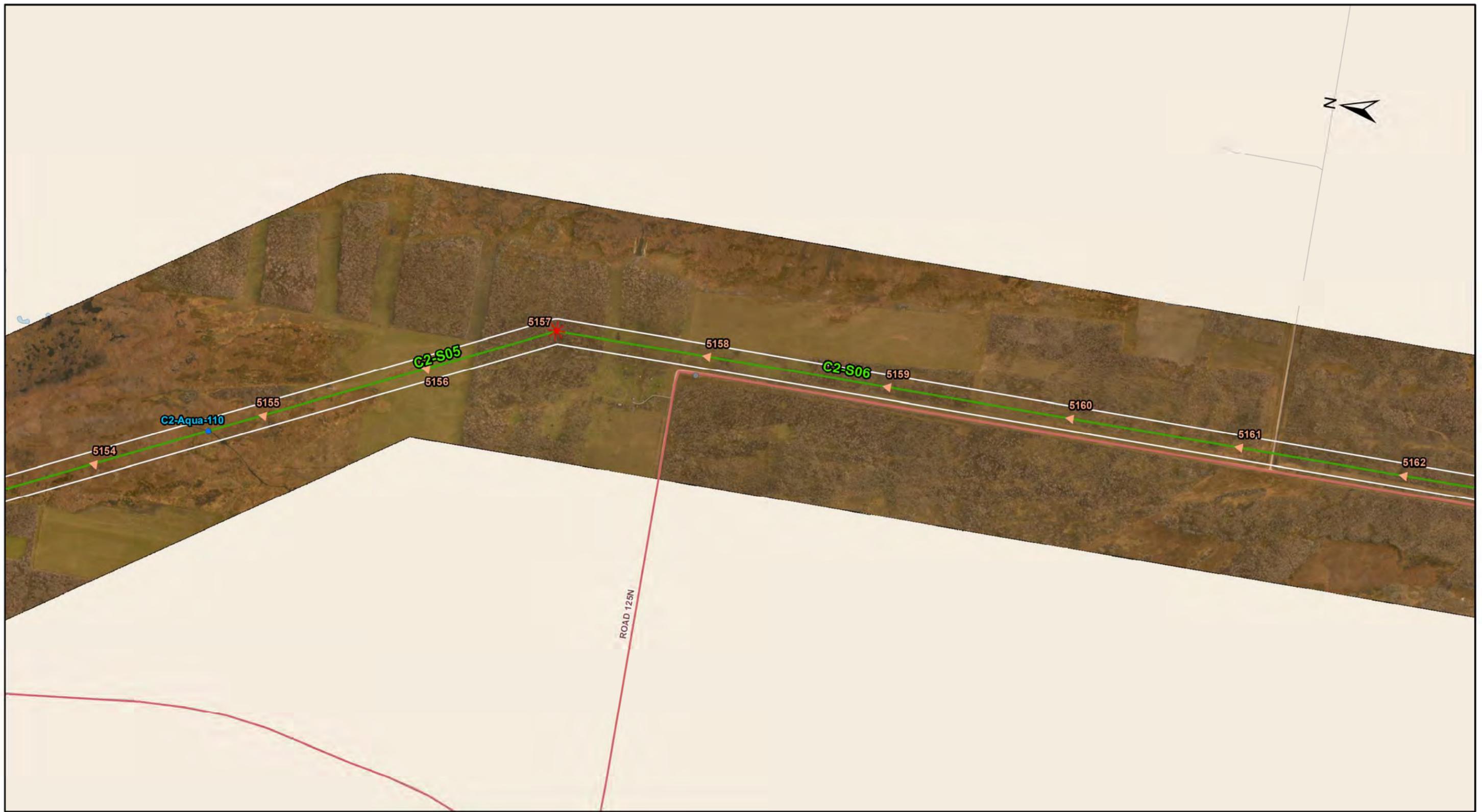
Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S4	C2-Aqua-200	Artesian areas with uncertain water quality	Site: 23 to 24	E-499686 N- 5639166	E-501935 N- 5636356	14N	3598m
C2-S5	C2-Aqua-200	Artesian areas with uncertain water quality	Site: 27 to 28	E-501935 N- 5636356	E-502400 N- 5635389	14N	1073m

**Potential Effects:**

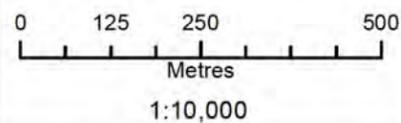
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- ESS Features**
- Water**
- Water Crossing

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S5	C2-Aqua-110	Unnamed Creek	503131	5633872	14N	No Data	No Data	No Data	No Data

**Potential Effects:**

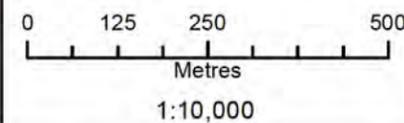
*Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation*

**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.



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- ESS Features**
- Water**
- Water Crossing
- Resource Use**
- Forestry

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S7	C2-Aqua-111	Garrioch Creek	503982	5626741	14N	No Data	3m	Low	Marginal

**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:**

- 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.
- No instream works or fording from April 1 - July 15

**ESS Group:** Forestry

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S6	C2-RUse-306	Alonsa Woodlots	Site: 29 to 30	E-503564 N-5630190	E-503569 N-5627740	14N	2449m

**Potential Effects:**

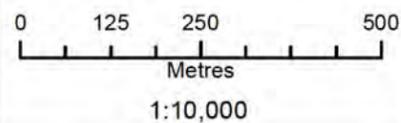
*Potential for additional damage outside of ROW*

**Specific Mitigation:**

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and flag prior to start of work
- If Burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to Vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber



Coordinate System: UTM Zone 14N NAD83  
 Data Source: MB Hydro, ProvMB, NRCAN  
 Date Created: November 03, 2016  
 Version: Final 4.0



- Land Base**
- Transmission Line
  - Highway
  - Major Road
  - Local Road
  - Winter Road
  - Railway (Operational)
  - Railway (Discontinued)
  - First Nation
  - Mining
  - Provincial Forest

- Project Infrastructure**
- ★ Angle Tower Locations\*
  - ▲ Towers (Preliminary)\*
  - BPIII Final Preferred Route
  - 66 m Right of Way
- \*Towers are subject to change, and are only used as a rough guide
- Sensitive Sites\***
- Point Features
  - Linear Features
  - Area Features
- \*Currently outside the Project footprint

- Points of Access\***
- Proposed Access Point
  - Major Stream Crossing
  - ▲ Abandoned Rail Crossing
  - ▲ Rail Crossing
  - Transmission Line Crossing
  - Bypass Trails
  - Approved Access Route

- ESS Features**
- Water**
- Water Crossing
  - Water Crossing

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S7	C2-Aqua-112	Rocklan Drain	504265	5626110	14N	5m	No Data	Low	Marginal

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:

- 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.
- No instream works or fording from April 1 – July 15

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S7	C2-Aqua-113	Drain	505009	5624444	14N	No Data	No Data	No Data	No Data

Potential Effects:

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

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.

ESS Group: Water Crossing

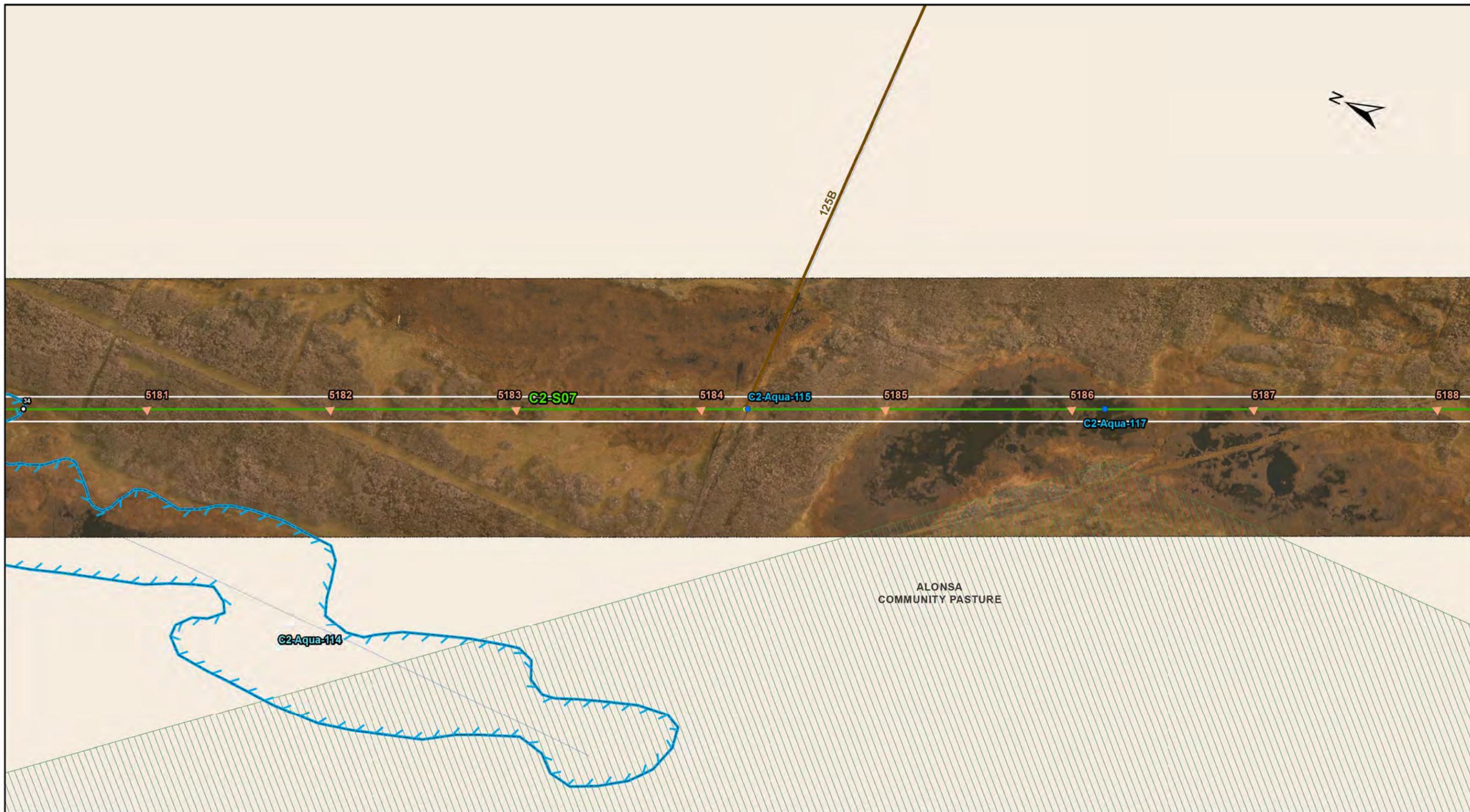
Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S7	C2-Aqua-114	Unnamed waterbody	Site: 31 to 32	E-505377 N-5623620	E-505516 N-5623310	14N	340m
C2-S7	C2-Aqua-114	Unnamed waterbody	Site: 33 to 34	E-505533 N-5623272	E-505674 N-5622955	14N	346m

Potential Effects:

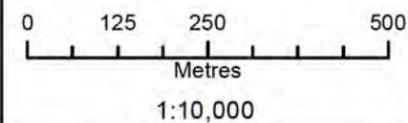
Increased erosion and sedimentation; rutting of floodplains; loss of riparian vegetation

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.



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- Land Base**
- Transmission Line
  - Highway
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  - Local Road
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  - Railway (Operational)
  - Railway (Discontinued)
  - First Nation
  - Mining
  - Provincial Forest

- Project Infrastructure**
- Angle Tower Locations\*
  - Towers (Preliminary)\*
  - BPIII Final Preferred Route
  - 66 m Right of Way
- \*Towers are subject to change, and are only used as a rough guide
- Sensitive Sites\***
- Point Features
  - Linear Features
  - Area Features
- \*Currently outside the Project footprint

- Points of Access\***
- Proposed Access Point
  - Major Stream Crossing
  - Abandoned Rail Crossing
  - Rail Crossing
  - Transmission Line Crossing
  - Bypass Trails
  - Approved Access Route

- ESS Features**
- Water**
- Water Crossing
  - Water Crossing

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S7	C2-Aqua-115	Unnamed Creek	506477	5621163	14N	No Data	No Data	No Data	No Data

Potential Effects:

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

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.

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S7	C2-Aqua-114	Unnamed waterbody	Site: 33 to 34	E-505533 N-5623272	E-505674 N-5622955	14N	346m

Potential Effects:

Increased erosion and sedimentation; rutting of floodplains; loss of riparian vegetation

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.

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S07	C2-Aqua-117	Small, unnamed lake	506873	5620277	14N	No Data	No Data	Low	Marginal

Potential Effects:

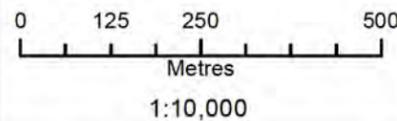
Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

Specific Mitigation:

- 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.
- No instream works or fording from April1 - July 15



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)
  - First Nation
  - Mining
  - Provincial Forest

- Project Infrastructure**
- Angle Tower Locations\*
  - Towers (Preliminary)\*
  - BPIII Final Preferred Route
  - 66 m Right of Way
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- Sensitive Sites\***
- Point Features
  - Linear Features
  - Area Features
- \*Currently outside the Project footprint

- Points of Access\***
- Proposed Access Point
  - Major Stream Crossing
  - Abandoned Rail Crossing
  - Rail Crossing
  - Transmission Line Crossing
  - Bypass Trails
  - Approved Access Route

- ESS Features**
- Water**
- Water Crossing
- Resource Use**
- Forestry

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section C2  
 Environmentally Sensitive Site Locations**

**ESS Group:** Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S7	C2-Aqua-119	Unnamed road ditch	507943	5617883	14N	No Data	No Data	Low	Marginal
C2-S7	C2-Aqua-120	Unnamed road ditch	507943	5617883	14N	No Data	No Data	Low	Marginal

**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:**

- 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.

**ESS Group:** Forestry

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S7	C2-RUse-309	Shelterbelt	Site: 35 to 36	E-507931 N-5617909	E-507937 N-5617894	14N	15m

**Potential Effects:**

*Removal in area of ROW intersect*

**Specific Mitigation:**

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and flag prior to start of work
- If Burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to Vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber