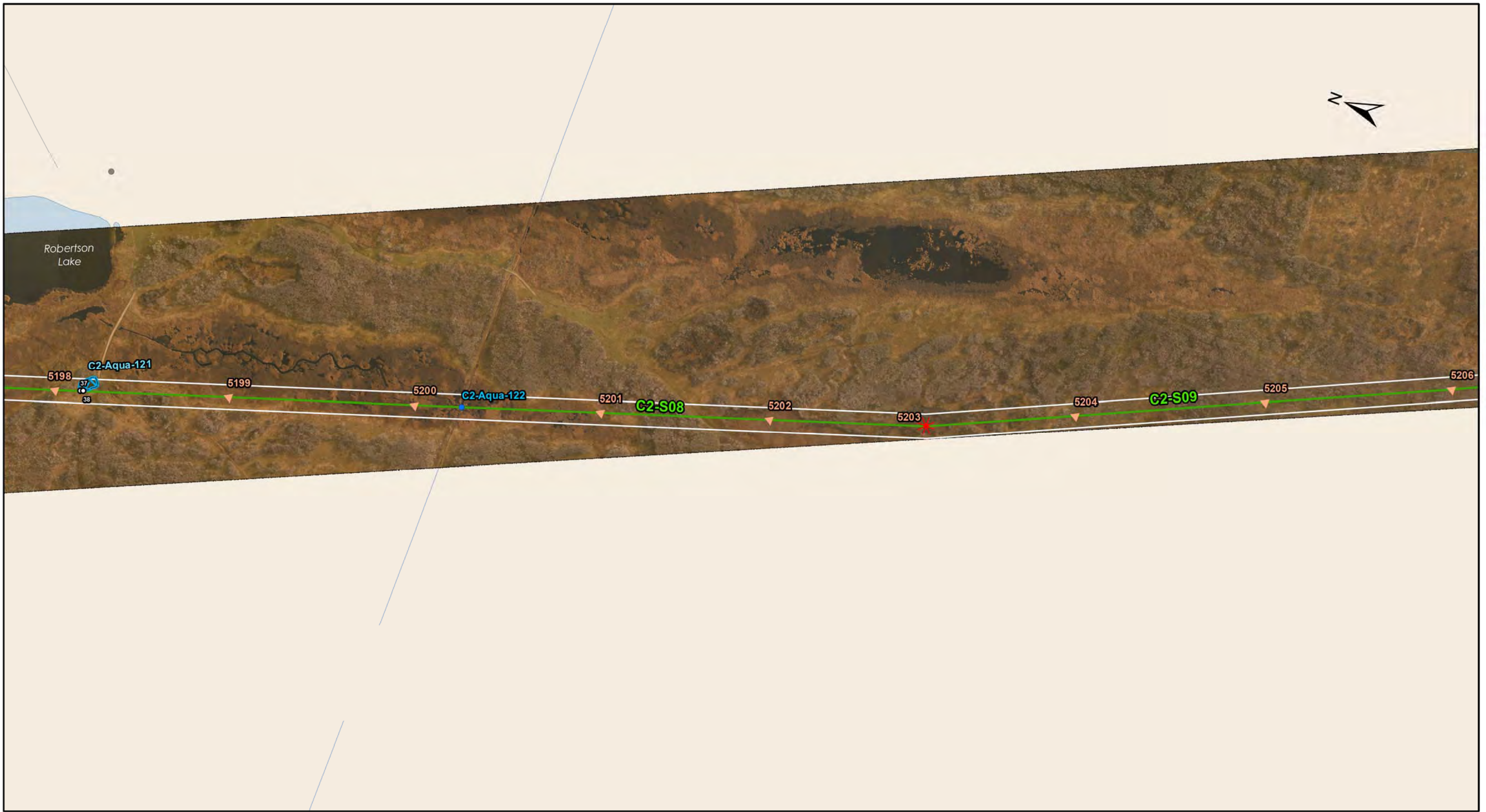
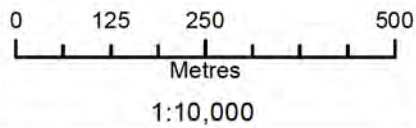




Coordinate System: UTM Zone 14N NAD83
Data Source: MB Hydro, ProvMB, NRCAN
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Version: Final 4.0



- 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
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- Point Features
 - Linear Features
 - Area Features
- *Currently outside the Project footprint

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 - Abandoned Rail Crossing
 - Rail Crossing
 - Transmission Line Crossing
 - Bypass Trails
 - Approved Access Route

- ESS Features**
- Water**
- Water Crossing
- 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-S8	C2-Aqua-122	Drain	509212	5614604	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-S8	C2-Aqua-121	Small, unnamed waterbody	Site: 37 to 38	E-508885 N-5615583	E-508887 N-5615576	14N	7m

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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0 125 250 500
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Land Base

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- Winter Road
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- Linear Features
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- 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

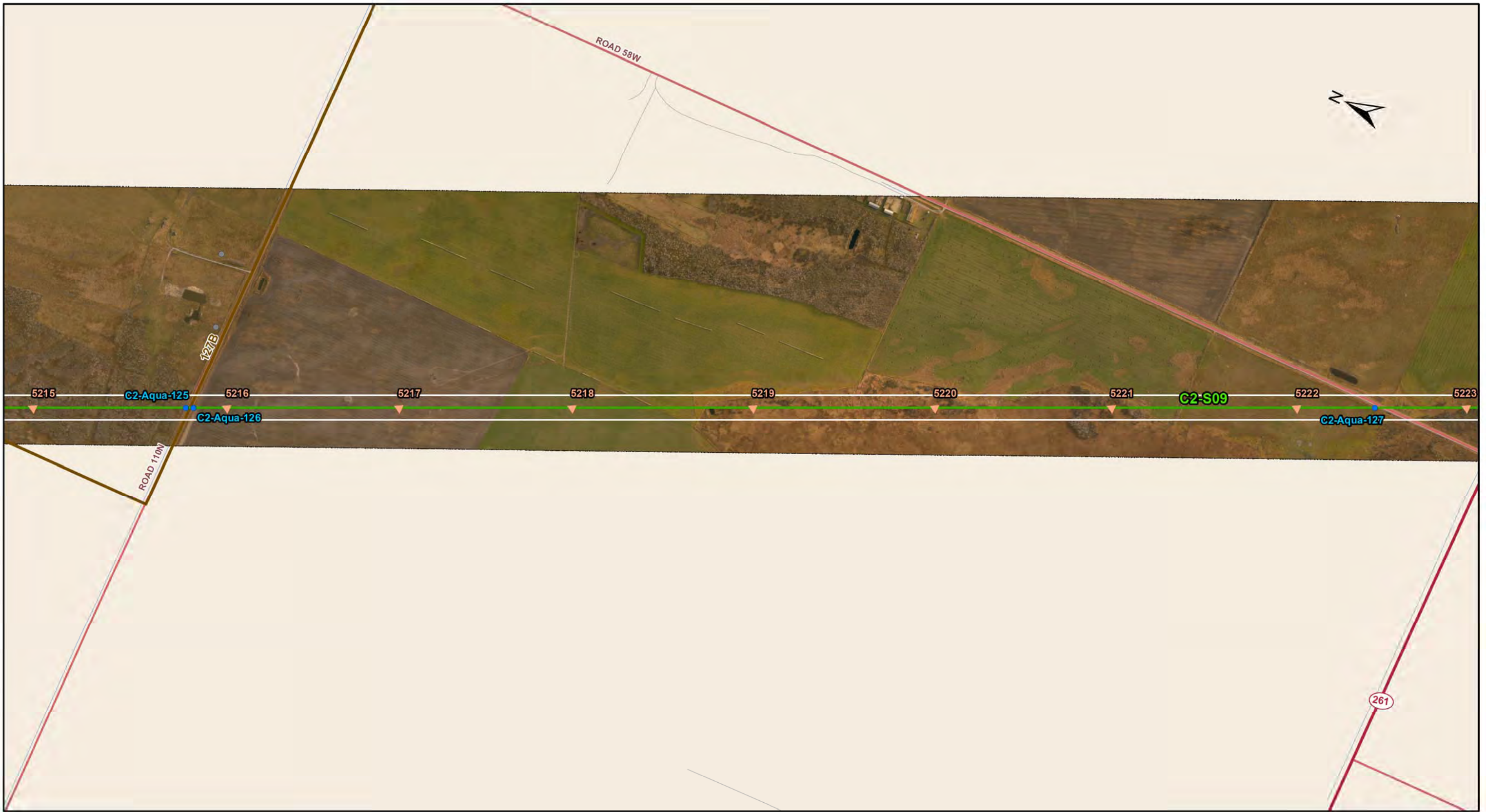
Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S9	C2-Aqua-123	Drain	510567	5611339	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-124	Unnamed Creek	511081	5610228	14N	No Data	No Data	No Data	No Data

Potential Effects:

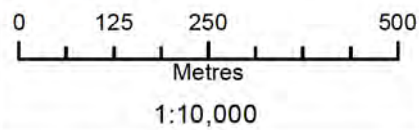
Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation

Specific Mitigation:

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Land Base

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- Winter Road
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- Railway (Discontinued)
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Project Infrastructure

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- Towers (Preliminary)*
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- Approved Access Route

ESS Features

Water

- Water Crossing

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

Map 265

ESS Group: Water Crossing

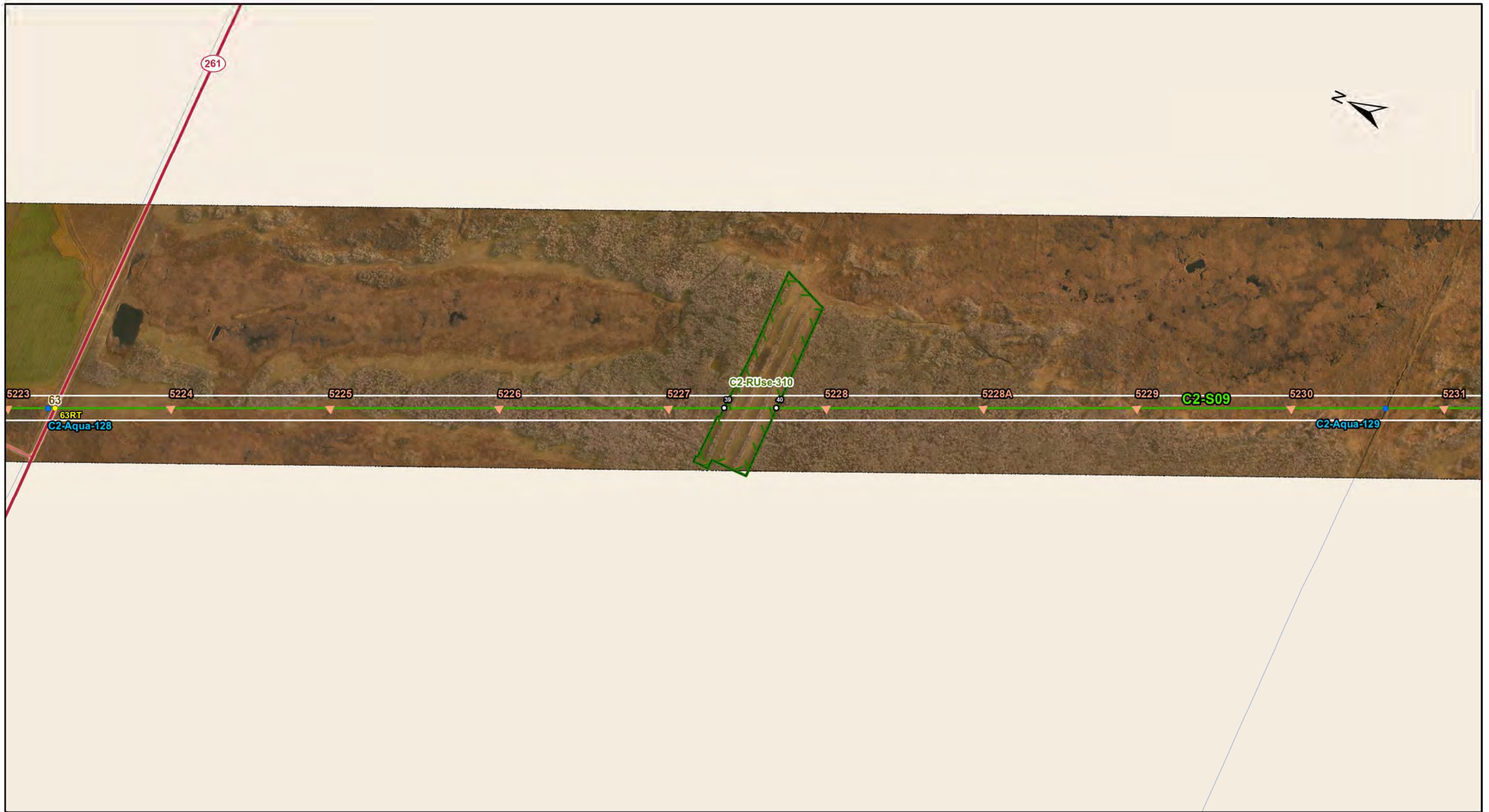
Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S9	C2-Aqua-125	Drain	510567	5611339	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-126	Drain	510567	5611339	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-127	Drain	513438	5605129	14N	No Data	No Data	No Data	No Data

Potential Effects:

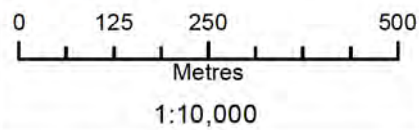
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- Linear Features
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- Approved Access Route

ESS Features

Water

- Water Crossing

Resource Use

- Forestry

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

Map 266

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-S9	C2-Aqua-128	Drain	513589	5604803	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-129	Drain	515109	5601515	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:

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- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.

ESS Group: Forestry

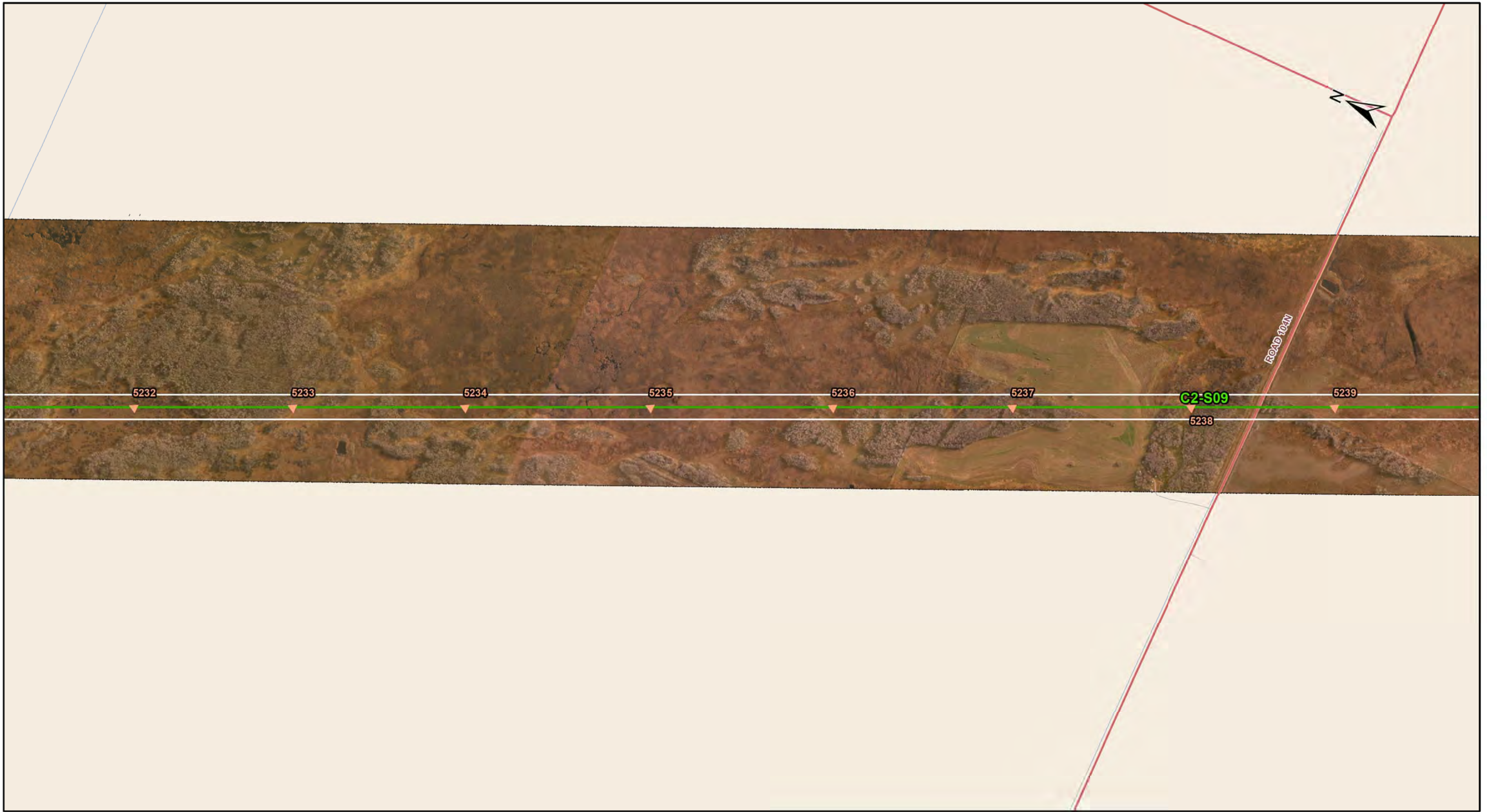
Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
C2-S9	C2-RUse-310	Windrows	Site: 39 to 40	E-514356 N-5603142	E-514416 N-5603012	14N	143m

Potential Effects:

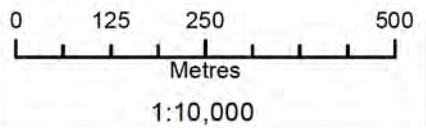
Removal in area of ROW intersect

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



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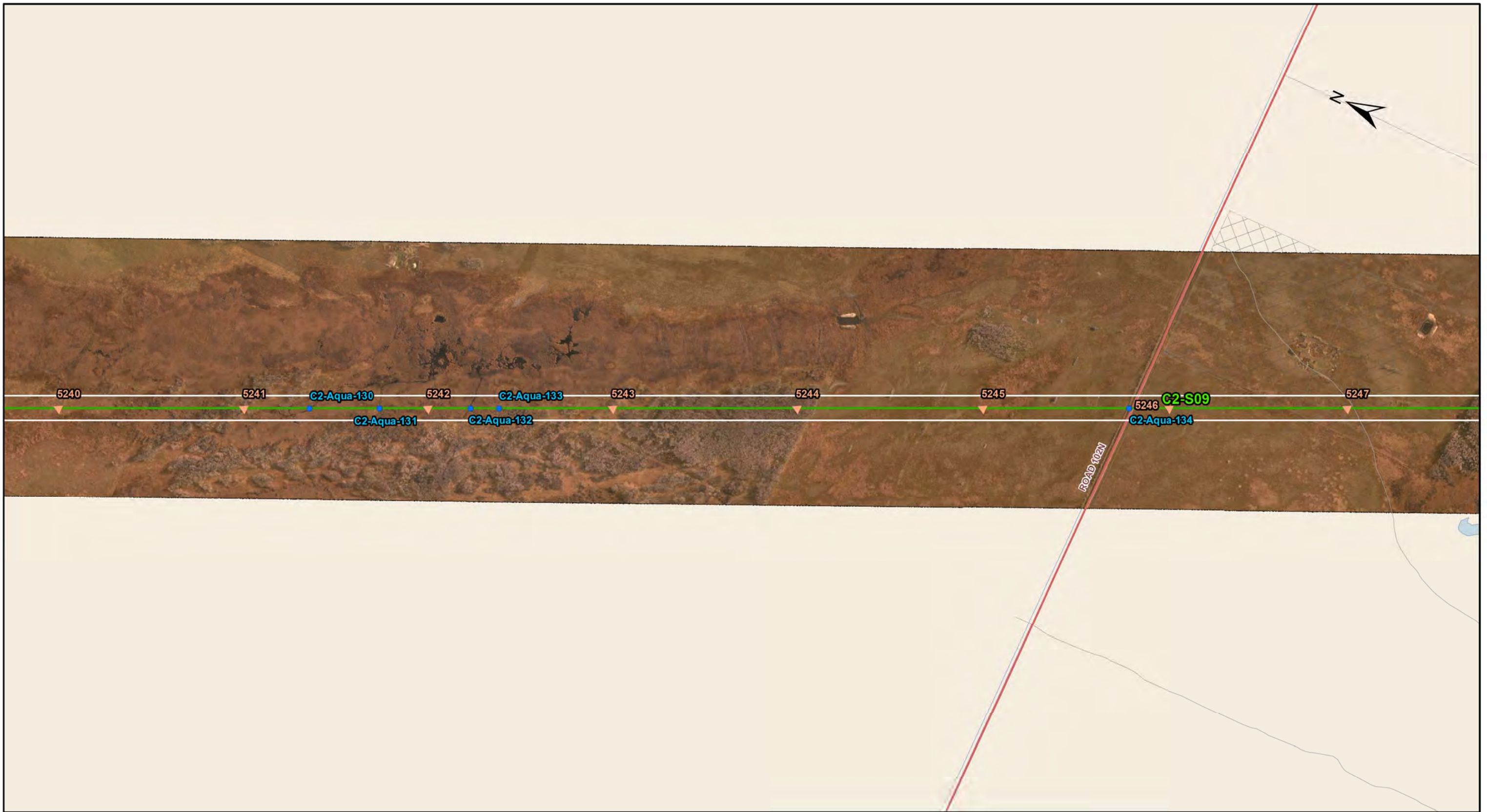
- Project Infrastructure**
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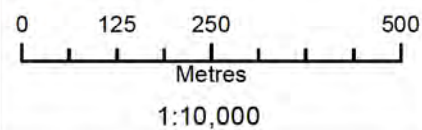
ESS Features

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

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ESS Features

Water

- Water Crossing

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

Map 268

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-S9	C2-Aqua-130	Unnamed Creek	517211	5596969	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-131	Unnamed Creek	517290	5596797	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-132	Unnamed Creek	517394	5596572	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-133	Unnamed Creek	517427	5596503	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-134	Drain	518143	5594953	14N	No Data	No Data	No Data	No Data

Potential Effects:

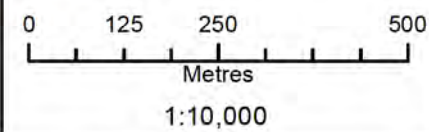
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ESS Features

Water

- Water Crossing

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

Map 269

ESS Group: Water Crossing

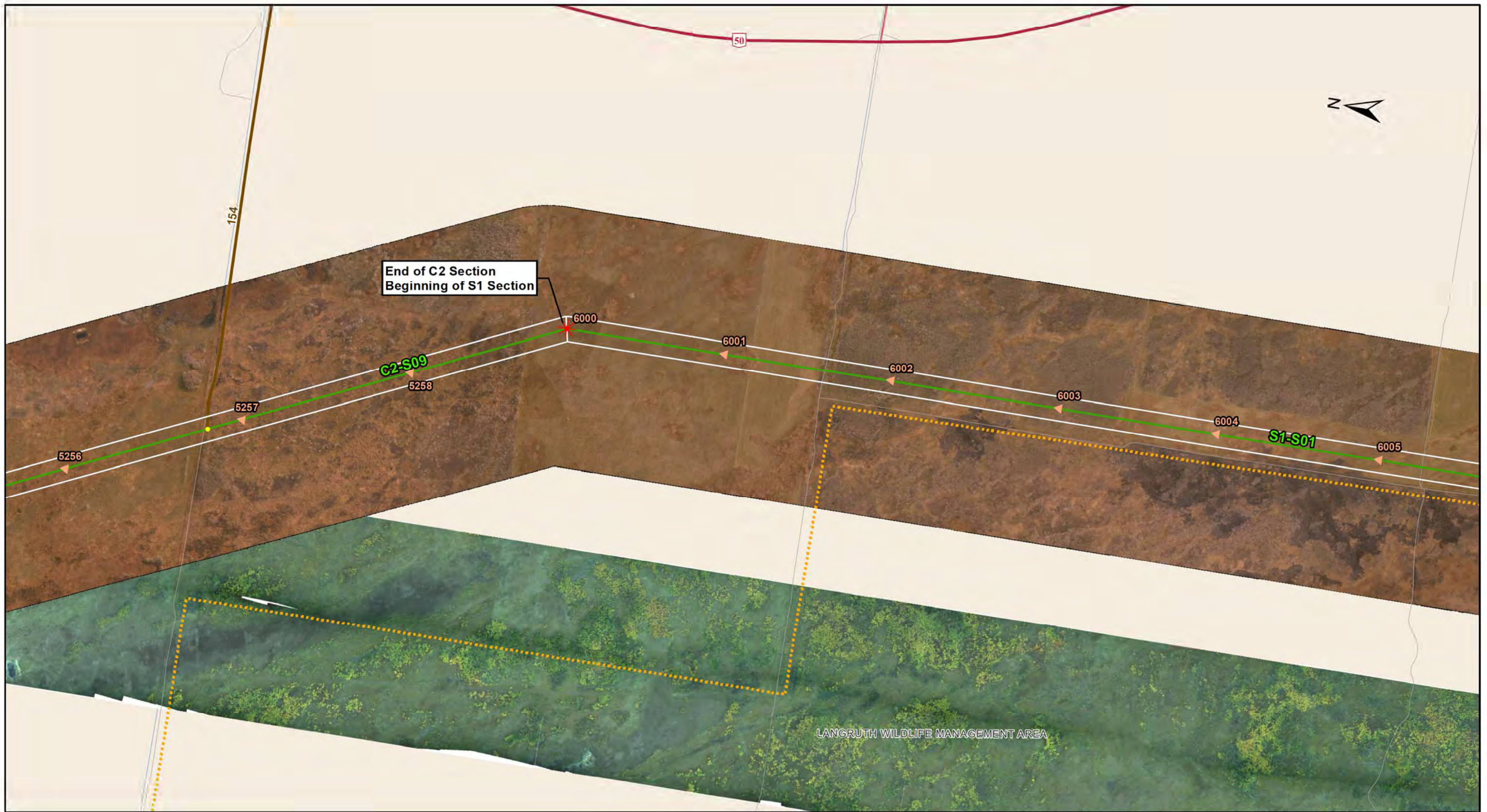
Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
C2-S9	C2-Aqua-135	Drain	519660	5591673	14N	No Data	No Data	No Data	No Data
C2-S9	C2-Aqua-136	Drain	519660	5591673	14N	No Data	No Data	No Data	No Data

Potential Effects:

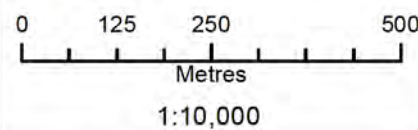
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ESS Features

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

Map 270

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