No specific mitigation measures for this map, page intentionally left blank.
No specific mitigation measures for this map, page intentionally left blank.
**ESS Group: Species of Concern**

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-502</td>
<td>N4-Eco-300</td>
<td>Species of Concern (plant)</td>
<td>359413</td>
<td>5928279</td>
<td>14N</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Loss of plants of conservation concern from clearing and construction activities.

**Specific Mitigation:**

- Identify and flag prior to start of work
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Provide 5m vegetated (shrub and herbaceous) buffer around site
- Remove trees by low disturbance methods
- Confine vehicle traffic to established trails to the extent possible

**ESS Group: Habitat**

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-502</td>
<td>N4-Eco-101</td>
<td>Patterned Fen</td>
<td>Site: 13 to 14</td>
<td>E-359447</td>
<td>E-359935</td>
<td>14N</td>
<td>618m</td>
</tr>
<tr>
<td>N4-502</td>
<td>N4-Eco-101</td>
<td>Patterned Fen</td>
<td>Site: 13 to 14</td>
<td>E-359447</td>
<td>E-359935</td>
<td>14N</td>
<td>618m</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Potential loss of plants of conservation concern and habitat disturbance 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 30 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: Species of Concern

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S02</td>
<td>N4-Eco-301</td>
<td>Species of Concern (plant)</td>
<td>359730</td>
<td>5926199</td>
<td>14N</td>
</tr>
</tbody>
</table>

Potential Effects:
Loss of plants of conservation concern from clearing and construction activities.

Specific Mitigation:
- Identify and flag prior to start of work
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Provide 5m vegetated (shrub and herbaceous) buffer around site
- Remove broca by low disturbance methods
- Confin e vehicle traffic to established trails to the extent possible

ESS Group: Water Crossing

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
<th>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S02</td>
<td>N4-Aqua-106</td>
<td>Unnamed tributary of Cedar Lake</td>
<td>359866</td>
<td>5925289</td>
<td>14N</td>
<td>31m</td>
<td>Moderate</td>
<td>Marginal</td>
<td></td>
</tr>
</tbody>
</table>

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 access roads and trails to the extent possible
- Provide 30 m vegetated (shrub and herbaceous) buffer around size
- 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: Habitat

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S02</td>
<td>N4-Eco-101</td>
<td>Patterned Fen</td>
<td>Site: 13 to 14</td>
<td>E-359599 N-4575610</td>
<td>E-359947 N-4575608</td>
<td>14N</td>
<td>618 m</td>
</tr>
<tr>
<td>N4-S02</td>
<td>N4-Eco-102</td>
<td>Patterned Fen</td>
<td>Site: 15 to 16</td>
<td>E-359659 N-592525</td>
<td>E-359781 N-5925809</td>
<td>14N</td>
<td>723 m</td>
</tr>
</tbody>
</table>

Potential Effects:
Potential loss of plants of conservation concern and habitat disturbance 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 30 m vegetated (shrub and herbaceous) buffer around size
- 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

MAP NUMBER: 166
ESS Group: Mammals and Habitat

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S02</td>
<td>N4-Wild-201</td>
<td>MCWS Caribou Sensitive Area</td>
<td>Site: 17 to 18</td>
<td>E-360104</td>
<td>E-361226</td>
<td>14N</td>
<td>7909m</td>
</tr>
</tbody>
</table>

Potential Effects:

Disruption of Caribou Crossing areas

Specific Mitigation:

- For mitigation for this area refer to the "Moose and Woodland Caribou Sensitive Range Delineation and Mitigation Plans" document.
ESS Group: Mammals and Habitat

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S02</td>
<td>N4-Wild-201</td>
<td>MCWS Caribou Sensitive Area</td>
<td>Site: 17 to 18</td>
<td>E-360104</td>
<td>E-361228</td>
<td>14N</td>
<td>7909m</td>
</tr>
</tbody>
</table>

Potential Effects:

Disruption of Caribou Crossing areas

Specific Mitigation:

- For mitigation for this area refer to the "Moose and Woodland Caribou Sensitive Range Delineation and Mitigation Plans" document.
**ESS Group: Erosion**

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-DUS</td>
<td>N4-200</td>
<td>Wind (i.e. wind-modified)</td>
<td>Site: 17 to 18</td>
<td>E-361228</td>
<td>E-362704</td>
<td>14N</td>
<td>1842 m</td>
</tr>
<tr>
<td>N4-DUS</td>
<td>N4-200</td>
<td>Wind (i.e. wind-modified)</td>
<td>Site: 17 to 18</td>
<td>E-361228</td>
<td>E-362704</td>
<td>14N</td>
<td>1842 m</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Loss of topsoil due to wind erosion (e.g. creep, saltation, suspension) on disturbed surfaces.

**Specific Mitigation:**

- Carry out construction activities on frozen ground to minimize surface damage, cutting and erosion.
- Use existing trails, roads or cut lines whenever possible as access routes.
- Avoid dry soil conditions with high and severe wind erosion risk to the extent possible.
- Maintain shrub and herbaceous vegetation to the extent possible.
- Remove trees by low-disturbance methods.
- Confining vehicular traffic to established trails to the extent possible.
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan.

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**ESS Group: Mammals and Habitat**

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
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<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-502</td>
<td>N4-201</td>
<td>MCWS Caribou Sensitive Area</td>
<td>Site: 17 to 18</td>
<td>E-350104</td>
<td>E-361228</td>
<td>14N</td>
<td>7909 m</td>
</tr>
<tr>
<td>N4-503</td>
<td>N4-201</td>
<td>MCWS Caribou Sensitive Area</td>
<td>Site: 17 to 18</td>
<td>E-350104</td>
<td>E-361228</td>
<td>14N</td>
<td>7909 m</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Disruption of Caribou Crossing areas.

**Specific Mitigation:**

- For mitigation for this area refer to the "Moose and Woodland Caribou Sensitive Range Delineation and Mitigation Plans" document.
**ESS Group: Habitat**

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
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<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S04</td>
<td>N4-Eco-103</td>
<td>Patterned Fen</td>
<td>Site: 25 to 26</td>
<td>E-364921</td>
<td>E-364756</td>
<td>14N</td>
<td>1603m</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Potential loss of plants of conservation concern and habitat disturbance 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 30 m vegetated (shrub and herbaceous) buffer around site
- Remove trees by low-disturbance methods
- Confinement of vehicle traffic to established trails to the extent possible
- Implement erosion protection and sediment control measures in accordance with Erosion/Sediment Control Plan

**ESS Group: Erosion**

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S03</td>
<td>N4-Solils-300</td>
<td>Eolian (i.e. wind-modified) Deposits</td>
<td>Site: 21 to 22</td>
<td>E-363672</td>
<td>E-365058</td>
<td>14N</td>
<td>1729 m</td>
</tr>
<tr>
<td>N4-S04</td>
<td>N4-Solils-300</td>
<td>Eolian (i.e. wind-modified) Deposits</td>
<td>Site: 23 to 24</td>
<td>E-365058</td>
<td>E-365019</td>
<td>14N</td>
<td>383 m</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Loss of topsoil due to wind erosion (e.g. creep, saltation, suspension) on disturbed surfaces.

**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
- Avoid dry soil conditions with high and severe wind erosion risk to the extent possible
- Maintain shrub and herbaceous vegetation to the extent possible
- Remove trees by low-disturbance methods
- Confinement of vehicle traffic to established trails to the extent possible
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan
ESS Group: Mammals and Habitat

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
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<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4-S04</td>
<td>N4-Wild-202</td>
<td>MCWS Caribou Sensitive Area</td>
<td>Site: 27 to 28</td>
<td>E-364225 N-50124676</td>
<td>E-364031 N-50077398</td>
<td>14N</td>
<td>1885 m</td>
</tr>
<tr>
<td>N4-S05</td>
<td>N4-Wild-202</td>
<td>MCWS Caribou Sensitive Area</td>
<td>Site: 32 to 34</td>
<td>E-364031 N-5902798</td>
<td>E-361066 N-5898625</td>
<td>14N</td>
<td>5118 m</td>
</tr>
</tbody>
</table>

Potential Effects:
Disruption of Caribou Crossing areas

Specific Mitigation:

- For mitigation for this area refer to the "Moose and Woodland Caribou Sensitive Range Delineation and Mitigation Plans" document.