ESS Group: Forestry

<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>S1-530</td>
<td>S1-Ruse-332</td>
<td>Shelterbelt</td>
<td>564048</td>
<td>5497675</td>
<td>14N</td>
</tr>
<tr>
<td>S1-530</td>
<td>S1-Ruse-333</td>
<td>Shelterbelt</td>
<td>555204</td>
<td>5497701</td>
<td>14N</td>
</tr>
</tbody>
</table>

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: Forestry

<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>S1-530</td>
<td>S1-Ruse-335</td>
<td>Shelterbelt</td>
<td>Site: 155 to 156</td>
<td>E-566066 N-5497716</td>
<td>E-566000 N-5497717</td>
<td>14N</td>
<td>23 m</td>
</tr>
<tr>
<td>S1-530</td>
<td>S1-Ruse-335</td>
<td>Shelterbelt</td>
<td>Site: 157 to 158</td>
<td>E-566266 N-5497720</td>
<td>E-566305 N-5497720</td>
<td>14N</td>
<td>39 m</td>
</tr>
</tbody>
</table>

Potential Effects:
Removal in area of R/U/W 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: 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>
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</thead>
<tbody>
<tr>
<td>S1-381</td>
<td>135</td>
<td>Snagwood</td>
<td>59693</td>
<td>249531</td>
<td>14N</td>
<td>549774</td>
<td>LOW</td>
<td>NO LStatus</td>
<td>NO PSM Habitat</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 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 shrubs and herbaceous understory veg will be maintained along with trees that do not violate 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 Group: Forestry**

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<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-S30</td>
<td>S1-RUse-337</td>
<td>Shelterbelt</td>
<td>Site: 159 to 160</td>
<td>E-567711</td>
<td>E-567719</td>
<td>14N</td>
<td>5 m</td>
</tr>
<tr>
<td>S1-S30</td>
<td>S1-RUse-338</td>
<td>Shelterbelt</td>
<td>Site: 161 to 162</td>
<td>E-568424</td>
<td>E-568542</td>
<td>N-5497756</td>
<td>N-5497758</td>
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<tr>
<td>S1-S30</td>
<td>S1-RUse-339</td>
<td>Shelterbelt</td>
<td>Site: 163 to 164</td>
<td>E-568565</td>
<td>E-568707</td>
<td>N-5497795</td>
<td>N-5497760</td>
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<tr>
<td>S1-S30</td>
<td>S1-RUse-340</td>
<td>Shelterbelt</td>
<td>Site: 165 to 166</td>
<td>E-568784</td>
<td>E-569355</td>
<td>N-5497761</td>
<td>N-5497767</td>
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<tr>
<td>S1-S30</td>
<td>S1-RUse-341</td>
<td>Shelterbelt</td>
<td>Site: 167 to 170</td>
<td>E-569966</td>
<td>E-570044</td>
<td>N-5497773</td>
<td>N-5497774</td>
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<tr>
<td>S1-S30</td>
<td>S1-RUse-342</td>
<td>Shelterbelt</td>
<td>Site: 169 to 170</td>
<td>E-570009</td>
<td>E-570164</td>
<td>N-5497774</td>
<td>N-5497775</td>
</tr>
</tbody>
</table>

**Potential Effects:**

- Removal in area of ROW Inverts

**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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**ESS Group: Intersection**

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>Location</th>
<th>ESS Name</th>
<th>Crossing Coordinates</th>
<th>UTM Zone</th>
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</thead>
<tbody>
<tr>
<td>S1-S30</td>
<td>S1-RUse-103</td>
<td>C6</td>
<td>Snowmobile Trail</td>
<td>E-569842</td>
<td>N-5497772</td>
</tr>
</tbody>
</table>

**Potential Effects:**

- Potential interference with snowmobiles; safety issues

**Specific Mitigation:**

- Identify and flag prior to start of work
- Avoid surface damage to and obstruction of access route
- Post warning signs at snowmobile trail crossing
- Notify snowmobile club/users and local authorities regarding construction activities and schedule, and address concerns prior to construction

**MAP NUMBER:** 304
ESS Group: Forestry

<table>
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<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-R30</td>
<td>S1-Ruse-343</td>
<td>Shelterbelt</td>
<td>Site: 171 to 172</td>
<td>E-576025</td>
<td>E-576045</td>
<td>14N</td>
<td>19m</td>
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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
- Scenery and rug prior to start of work
- If burning of clearing debris is required it must be conducted during winter months only and ensures 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 o’Way
- No pushing debris into adjacent timber