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>S1-S09</td>
<td>108</td>
<td>Kinnear Drain</td>
<td>147925</td>
<td>3807076</td>
<td>14N</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</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 wherever 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: Groundwater

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<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-S09</td>
<td>S1-Aqua-109</td>
<td>Aquifer</td>
<td>Site: 13 to 14</td>
<td>E-521484 N-556131</td>
<td>E-521484 N-556131</td>
<td>14N</td>
<td>8125m</td>
</tr>
<tr>
<td>S1-Aqua-200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 van will be deployed 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.
ESS Group: Archaeological

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<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>S1-509</td>
<td>S1-Hert-100</td>
<td>Whitemud River</td>
<td>521452</td>
<td>5555878</td>
<td>14N</td>
</tr>
</tbody>
</table>

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 cleaning 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

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<th>Northing</th>
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<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>S1-509</td>
<td>S1-Aqua-111</td>
<td>Unnamed drain</td>
<td>521454</td>
<td>5556948</td>
<td>14N</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
</tbody>
</table>

Potential Effects:

- Increased erosion and sedimentation of streams

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
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing
- Limit machinery footing of the watercourse to a one-time event (i.e., over and back), and only if no alternative crossing method is available. If repeated crossings of the watercourse are necessary prior approval from the MH Environmental Inspector is required
- Locate crossings perpendicular to the bank, whenever possible
- Immediately stabilize shoreline or banks disturbed by any activity associated with the project to prevent erosion and/or sedimentation, preferably through re-vegetation with native species suitable for the site

ESS Group: Water Crossing

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<thead>
<tr>
<th>Sec-Seg ID</th>
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<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-509</td>
<td>S1-Aqua-112</td>
<td>Whitemud River</td>
<td>521452</td>
<td>5555878</td>
<td>14N</td>
<td>15m</td>
<td>15m</td>
<td>Moderate</td>
<td>Important</td>
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</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 buffer strips a non-turf grass or native understory veg will be maintained along with trees that do not violate Min veg Clearance Requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing
- No in-stream works or fording from April 1 - July 15

ESS Group: Groundwater

<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>S1-509</td>
<td>S1-Aqua-200</td>
<td>Aquifer</td>
<td>Site: 13 to 14</td>
<td>E-521484</td>
<td>E-521516</td>
<td>N-5559301</td>
<td>N-5551177</td>
</tr>
</tbody>
</table>

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 arboriculture conditions
- Emergency response plans for sealing/grouting and pumping will be implemented as required
ESS Group: Groundwater

<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-S09</td>
<td>S1-Aqua-201</td>
<td>Saline artesian areas</td>
<td>Site: 15 to 16</td>
<td>E-521486</td>
<td>E-521537</td>
<td>14N</td>
<td>9846m</td>
</tr>
</tbody>
</table>

Potential Effects:

Increase in salinity of soils and surface water in case of potential groundwater discharge to the surface; wetting the surficial environment (ground saturation); effect on local vegetation

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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**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 or dry 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 in width and increase in size based on slope of land entering waterway. Within these buffers sinuus and herbaceous understorey veg will be maintained along with trees that do not violate veg clearance requirements.
- No machinery works or fording from April 1 - July 15.

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**Potential Effects:**
Increased erosion and sedimentation of streams.

**Specific Mitigation:**
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion. If wet conditions, one-time fording is permitted.
- Use existing trails, roads or cut lines whenever possible as access routes.
- No machinery works or fording from April 1 - July 15.
- Limit machinery fording of the watercourse to a one-time event (over and back) only if no alternative crossing method is available. If repeated crossings of the watercourse are necessary, prior approval from the HH Environmental Inspectors is required.
- Immediately stabilize shoreline or banks disturbed by any activity associated with the project to prevent erosion and/or sedimentation, preferably through re-vegetation with native species suitable for the site.
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-II</td>
<td>510</td>
<td>Shelterbelt</td>
<td>522006</td>
<td>5549109</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: 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>S1-II</td>
<td>510</td>
<td>Unnamed ditch</td>
<td>521517</td>
<td>5550668</td>
<td>14N</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
<tr>
<td>S1-I</td>
<td>510</td>
<td>Unnamed drain</td>
<td>521583</td>
<td>5549087</td>
<td>14N</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
<tr>
<td>S1-I</td>
<td>510</td>
<td>Unnamed drain</td>
<td>52605</td>
<td>5549087</td>
<td>14N</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
<tr>
<td>S1-I</td>
<td>510</td>
<td>New Beaudin Drain</td>
<td>523282</td>
<td>5549096</td>
<td>14N</td>
<td>No Data</td>
<td>3m</td>
<td>Low</td>
<td>Marginal</td>
</tr>
</tbody>
</table>

Potential Effects:

Increased erosion and sedimentation of streams

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion. If wet conditions, one time fording is permitted
- 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
- Limit machinery fording of the watercourse to a one-time event (over and back) only if no alternative crossing method is available. If repeated crossings of the watercourse are necessary prior approval from the HR Environmental Inspector is required
- Locate crossings perpendicular to the bank, whenever possible
- Immediately stabilize shoreline or banks disturbed by any activity associated with the project to prevent erosion and/or sedimentation, preferably through re-vegetation with native species suitable for the site.

ESS Group: Water Crossing

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<th>Sec-Seg ID</th>
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<th>Northing</th>
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<th>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-II</td>
<td>510</td>
<td>Unnamed ditch</td>
<td>521517</td>
<td>5550668</td>
<td>14N</td>
<td>14m</td>
<td>11m</td>
<td>No Data</td>
<td>Low</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 soil 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 curvatures shrubs and herbaceous understory veg will be maintained along with trees that do not violate NM veg Clearance Requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.
- No in-stream works or fording from April 1 - July 15

ESS Group: Groundwater

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<thead>
<tr>
<th>Sec-Seg ID</th>
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<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-II</td>
<td>510</td>
<td>Aquifer</td>
<td>Site: 13 to 14</td>
<td>E-521484</td>
<td>E-521484</td>
<td>N-5559301</td>
<td>N-555177</td>
</tr>
</tbody>
</table>

Potential Effects:

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

Specific Mitigation:

- Marshaling areas 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 arietan conditions.
- Emergency response plans for sealing/gouting and pumping will be implemented as required.
**ESS Group:** Groundwater

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<td>S1-S09</td>
<td>S1-Aqua-201</td>
<td>Saline artesian areas</td>
<td>Site: 15 to 16</td>
<td>E-521486</td>
<td>E-521537</td>
<td>14N</td>
<td>9846m</td>
</tr>
<tr>
<td>S1-S10</td>
<td>S1-Aqua-201</td>
<td>Saline artesian areas</td>
<td>Site: 17 to 18</td>
<td>E-521537</td>
<td>E-526072</td>
<td>14N</td>
<td>4535m</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Increase in salinity of soils and surface water in case of potential groundwater discharge to the surface; wetting the surficial environment (ground saturation); effect on local vegetation.

**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: Water Crossing

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<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 Zone</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI-51-10</td>
<td>SI-qua 120</td>
<td>downstream reached ditch</td>
<td>5463500</td>
<td>5491118</td>
<td>11N</td>
<td>441</td>
<td>8.0</td>
<td>BTH</td>
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</tr>
</tbody>
</table>

Potential Effects:

- Increased erosion and sedimentation of streams

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, cutting and creation. If wet conditions, one time fording is permitted
- 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.
- Limit machinery fording of the watercourse to a one-time event (over and back) only if no alternative crossing method is available. If repeated crossings of the watercourse are necessary prior approval from the MH Environmental inspector is required
- Locate crossings perpendicular to the bank, whenever possible.
- Immediately stabilize shoreline or banks disturbed by any activity associated with the project to prevent erosion and/or sedimentation, preferably through re-vegetation with native species suitable for the site.

ESS Group: Groundwater

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</tr>
</thead>
<tbody>
<tr>
<td>SI-51-10</td>
<td>SI-Aqua-201</td>
<td>Saline artesian areas</td>
<td>Site: 17 to 18</td>
<td>E-521537</td>
<td>E-526072</td>
<td>14N</td>
<td>4535m</td>
</tr>
</tbody>
</table>

Potential Effects:

- Increase in salinity of soils and surface water in case of potential groundwater discharge to the surface; wetting the surficial environment (ground saturation); effect on local vegetation

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:** Water Crossing

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<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-D-191</td>
<td>51.121</td>
<td>Waterhouse Drain</td>
<td>561541</td>
<td>5841035</td>
<td>N3643356</td>
<td>11.7m</td>
<td>8.0m</td>
<td>LOW</td>
<td>important</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 NE 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

**MAP NUMBER:** 282
ESS Group: Species of Concern

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
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<th>Stop</th>
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<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-S11</td>
<td>S1-Eco-301</td>
<td>Species of Concern (Plant)</td>
<td>Site: 19 to 20</td>
<td>E-532287</td>
<td>E-532373</td>
<td>14N</td>
<td>11541m</td>
</tr>
</tbody>
</table>

Potential Effects:
Potential loss of previously known plants of conservation concern from clearing, construction, maintenance and decommissioning activities.

Specific Mitigation:
- Carry out construction activities on frozen or dry ground to minimize surface damage, cutting and creation
- Use existing access roads and trails to the extent possible
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Stabilize sites immediately after construction and re-vegetate disturbed areas in accordance with site Rehabilitation Plan

MAP NUMBER: 283
**ESS Group: Archaeological**

<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>SI-511</td>
<td>SI-Hert-101</td>
<td>Watercourse</td>
<td>532298</td>
<td>5541293</td>
<td>14N</td>
</tr>
</tbody>
</table>

**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

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**ESS Group: Water Crossing**

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<tr>
<th>Sec-Seg ID</th>
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<th>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI-511</td>
<td>SI-Aqua-122</td>
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<td>5540864</td>
<td>14N</td>
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<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
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</tbody>
</table>

**Potential Effects:**

Increased erosion and sedimentation of streams

**Specific Mitigation:**

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion. If wet conditions, one time fording is permitted
- 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.
- Limit machinery fording of the watercourse to a one-time event (over and back) only if no alternative crossing method is available. If repeated crossings of the watercourse are necessary prior approval from the NH Environmental Inspector is required
- Locate crossings perpendicular to the bank, whenever possible.
- Immediately stabilize shoreline or banks disturbed by any activity associated with the project to prevent erosion and/or sedimentation, preferably through re-vegetation with native species suitable for the site.

---

**ESS Group: Species of Concern**

<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>SI-511</td>
<td>SI-Eco-101</td>
<td>Species of Concern (Plant)</td>
<td>Site: 19 to 29</td>
<td>E-532287</td>
<td>E-532373</td>
<td>14N</td>
<td>11541m</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Potential loss of previously known plants of conservation concern 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
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Stabilize sites immediately after construction and re-vegetate disturbed areas in accordance with site Rehabilitation Plan

**MAP NUMBER:** 284
**ESS Group:** Species of Concern

<table>
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<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>
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</thead>
<tbody>
<tr>
<td>S1-S11</td>
<td>S1-Eco-301</td>
<td>Species of Concern (Plant)</td>
<td>Site: 19 to 20</td>
<td>E-532287</td>
<td>E-532373</td>
<td>14N</td>
<td>11541m</td>
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</tbody>
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</thead>
<tbody>
<tr>
<td>S1-S11</td>
<td>S1-Eco-301</td>
<td>Species of Concern (Plant)</td>
<td>Site: 19 to 20</td>
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<td>E-532373</td>
<td>14N</td>
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<td>S1-S12</td>
<td>S1-Eco-301</td>
<td>Species of Concern (Plant)</td>
<td>Site: 25 to 26</td>
<td>E-532473</td>
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<td>S1-S13</td>
<td>S1-Eco-301</td>
<td>Species of Concern (Plant)</td>
<td>Site: 27 to 28</td>
<td>E-530721</td>
<td>E-530748</td>
<td>14N</td>
<td>4188 m</td>
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</tbody>
</table>

**Potential Effects:**

Potential loss of previously known plants of conservation concern 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
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**ESS Group: Forestry**

<table>
<thead>
<tr>
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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>S1-S11</td>
<td>S1-Use-301</td>
<td>Shelterbelt</td>
<td>Site: 21 to 23</td>
<td>E-532839</td>
<td>E-532836</td>
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</tr>
<tr>
<td>S1-S11</td>
<td>S1-Use-302</td>
<td>Shelterbelt</td>
<td>Site: 24 to 25</td>
<td>E-532838</td>
<td>E-532836</td>
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<tr>
<td>S1-S13</td>
<td>S1-Use-303</td>
<td>Shelterbelt</td>
<td>Site: 29 to 30</td>
<td>E-530772</td>
<td>E-530729</td>
<td>14N</td>
<td>1311 m</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

**MAP NUMBER:** 286