

# **APPENDIX 5**

**FMD 11**

**OPERATING AREA SHEETS**

**&**

**MAPS**

<b>Operating Area Name:</b> District 11 Ten year Cutover Assessment.	<b>Operating Area #</b> cS1101
<b>NFS Inventory Map #:</b>	<b>NTS Map #:</b> 12A/16, 2D/13, 2D/14, 12A/9, 2D/12, 2D/11, 2E/3

### **Description of Area:**

These parcels of crown land are located throughout forest management district (FMD) 11 and were harvested by Abitibi Bowater between 1998 to 2008. The terrain within the areas varies from gentle rolling hills to steep and rugged landscape. The areas are located in the North-Central subregion of the Central Newfoundland Forest Ecoregion.

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### **Harvesting Activities:**

None

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

No construction of any new roads. Upgrading of existing roads will be completed if necessary.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

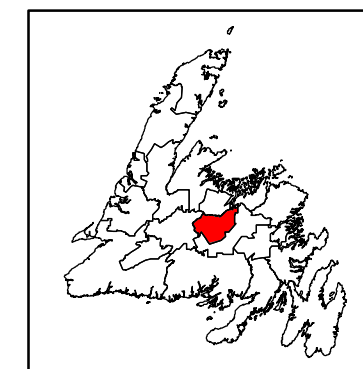
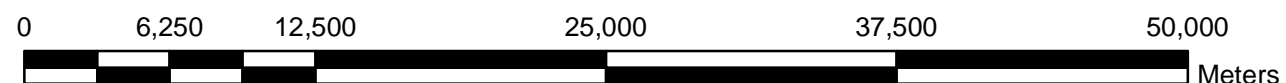
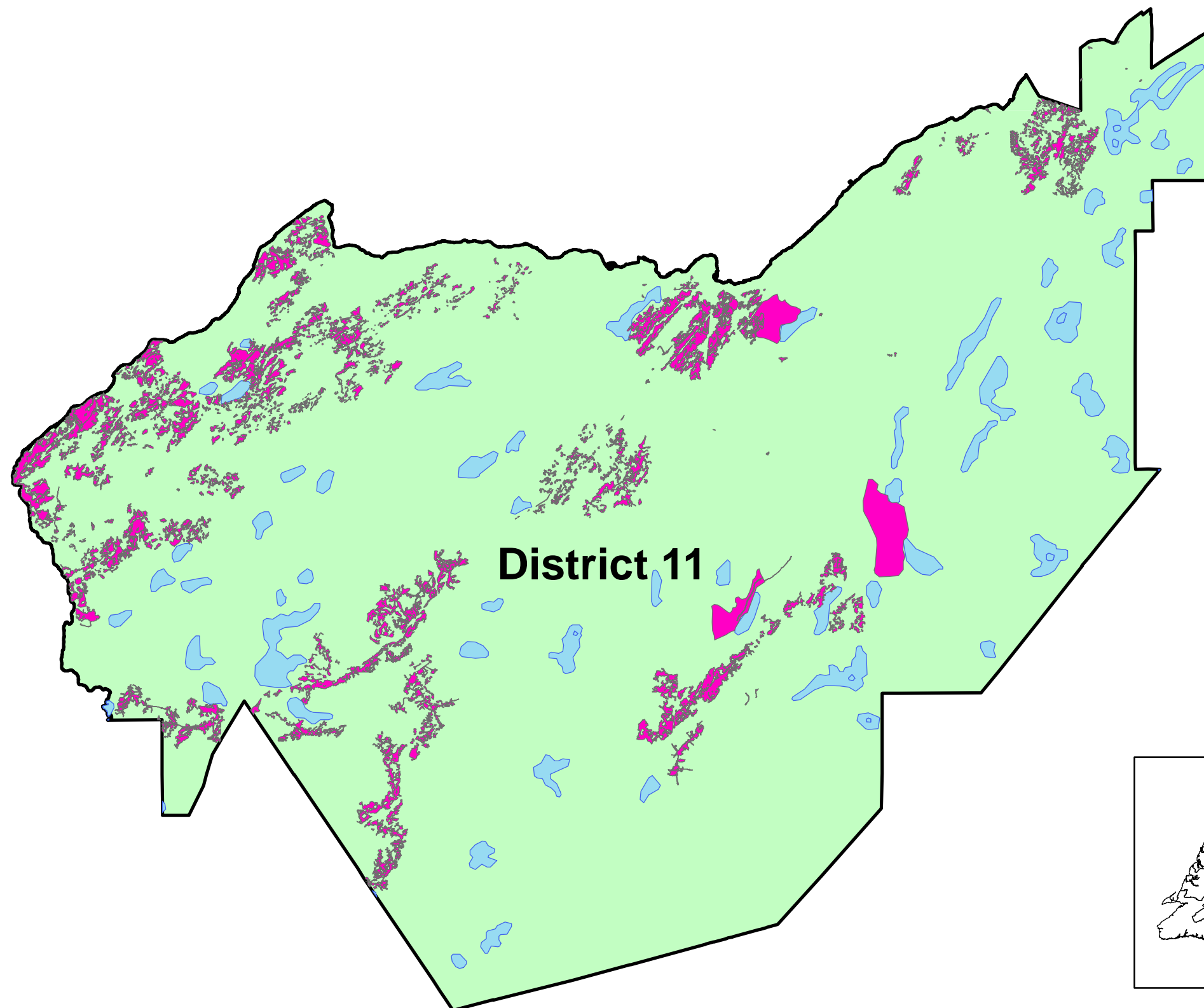
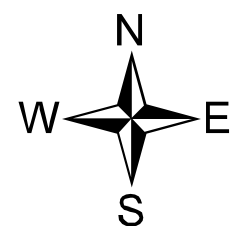
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Five Year Plan (2011 - 2015)  
Forest Management District 11  
Silviculture Areas  
cS1101

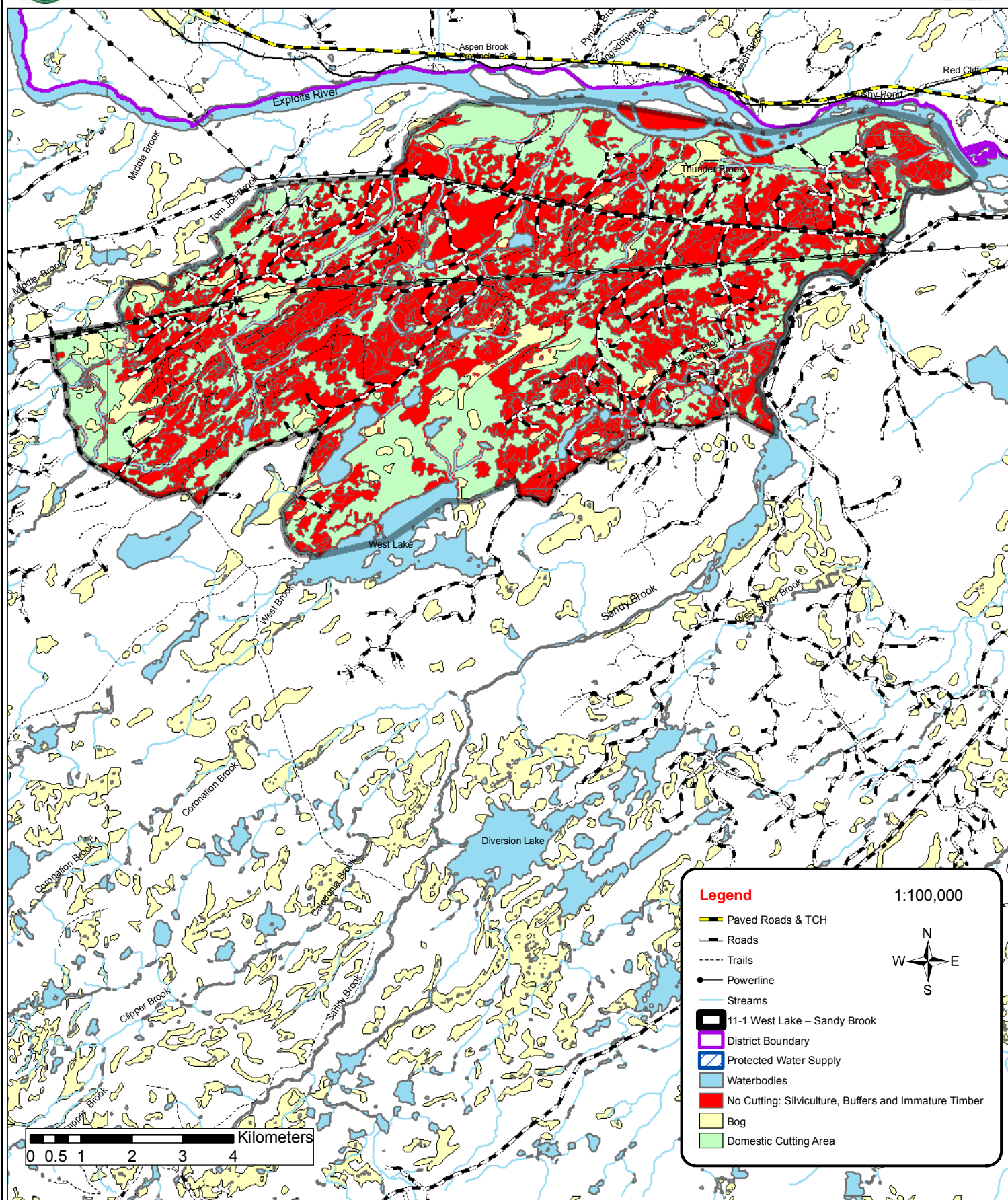
Overview Map

Legend

- Crown Land
- Silviculture Areas



1:325,000

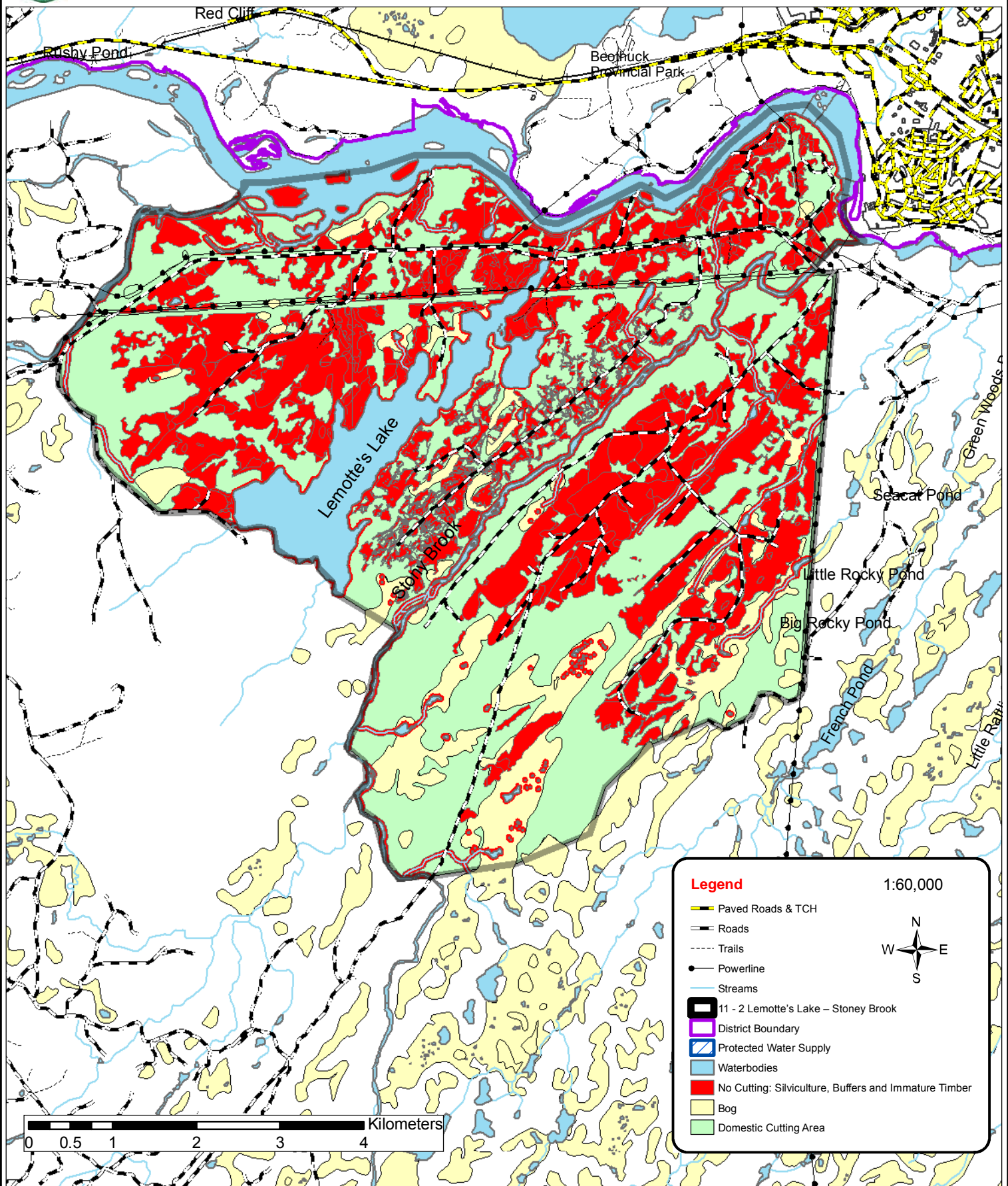






# 11 - 2 Lemotte's Lake – Stoney Brook

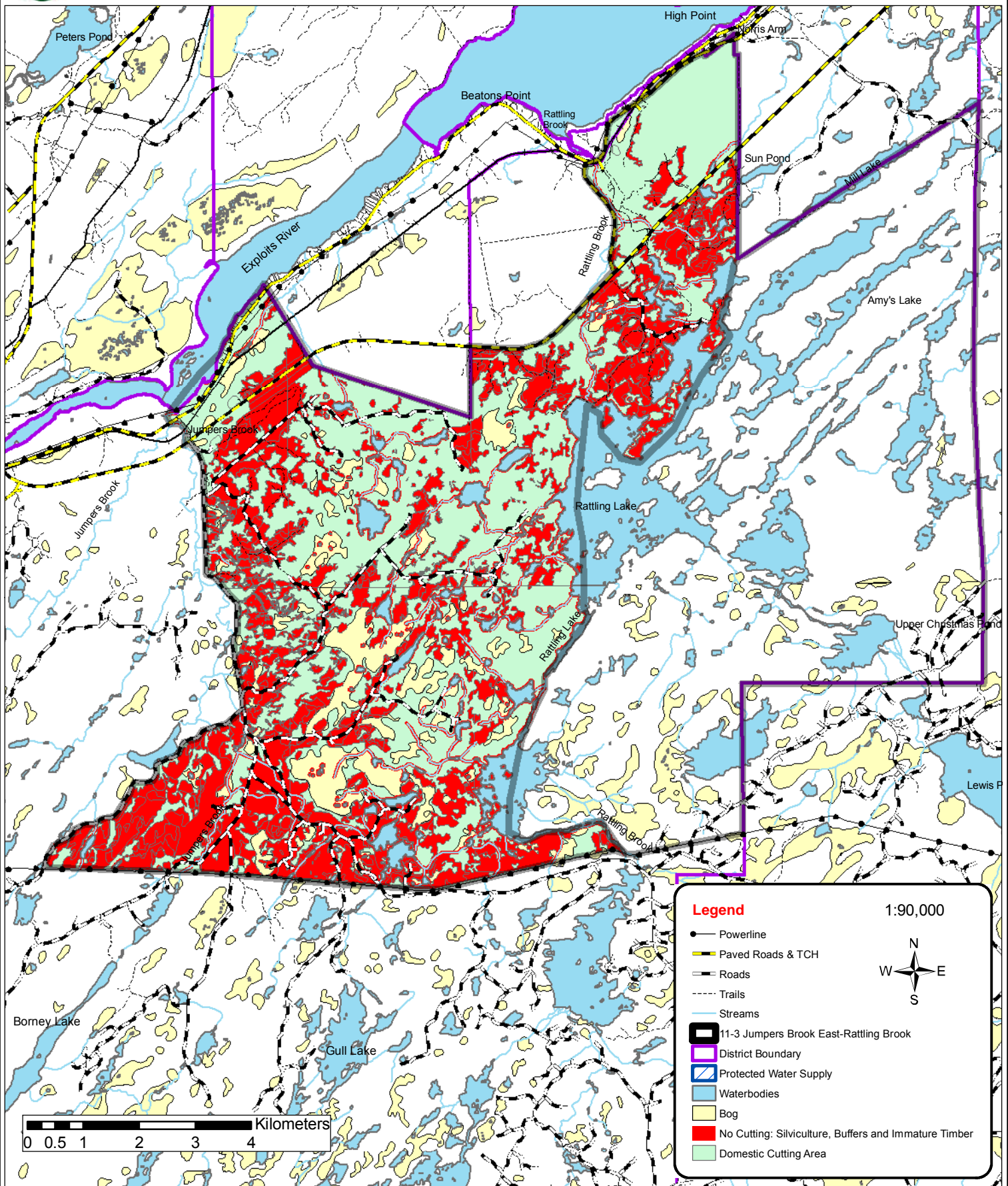
Newfoundland  
Labrador





# 11 - 3 Jumper's Brook East – Rattling Brook

Newfoundland  
Labrador

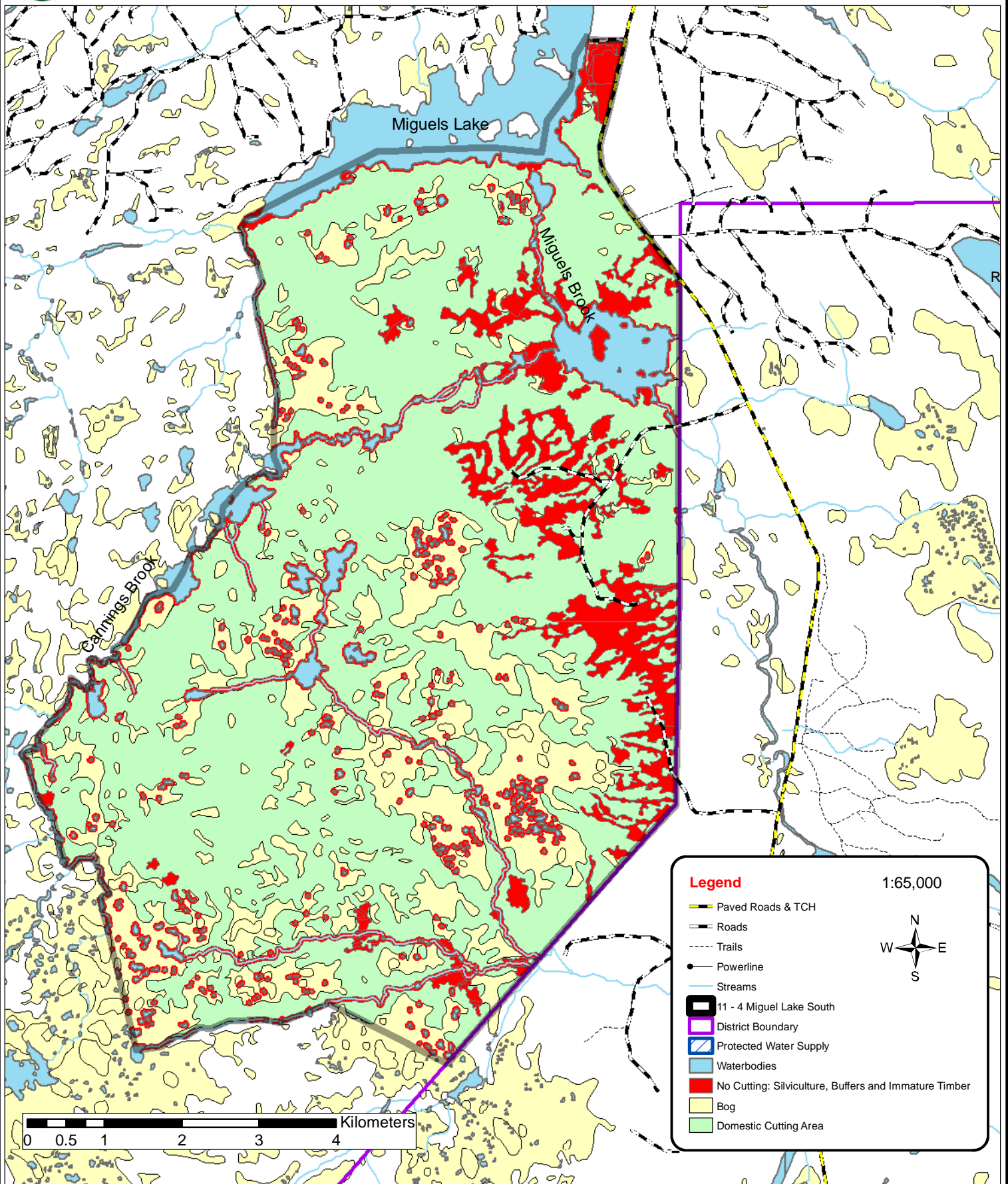






# 11 - 4 Miguel Lake South

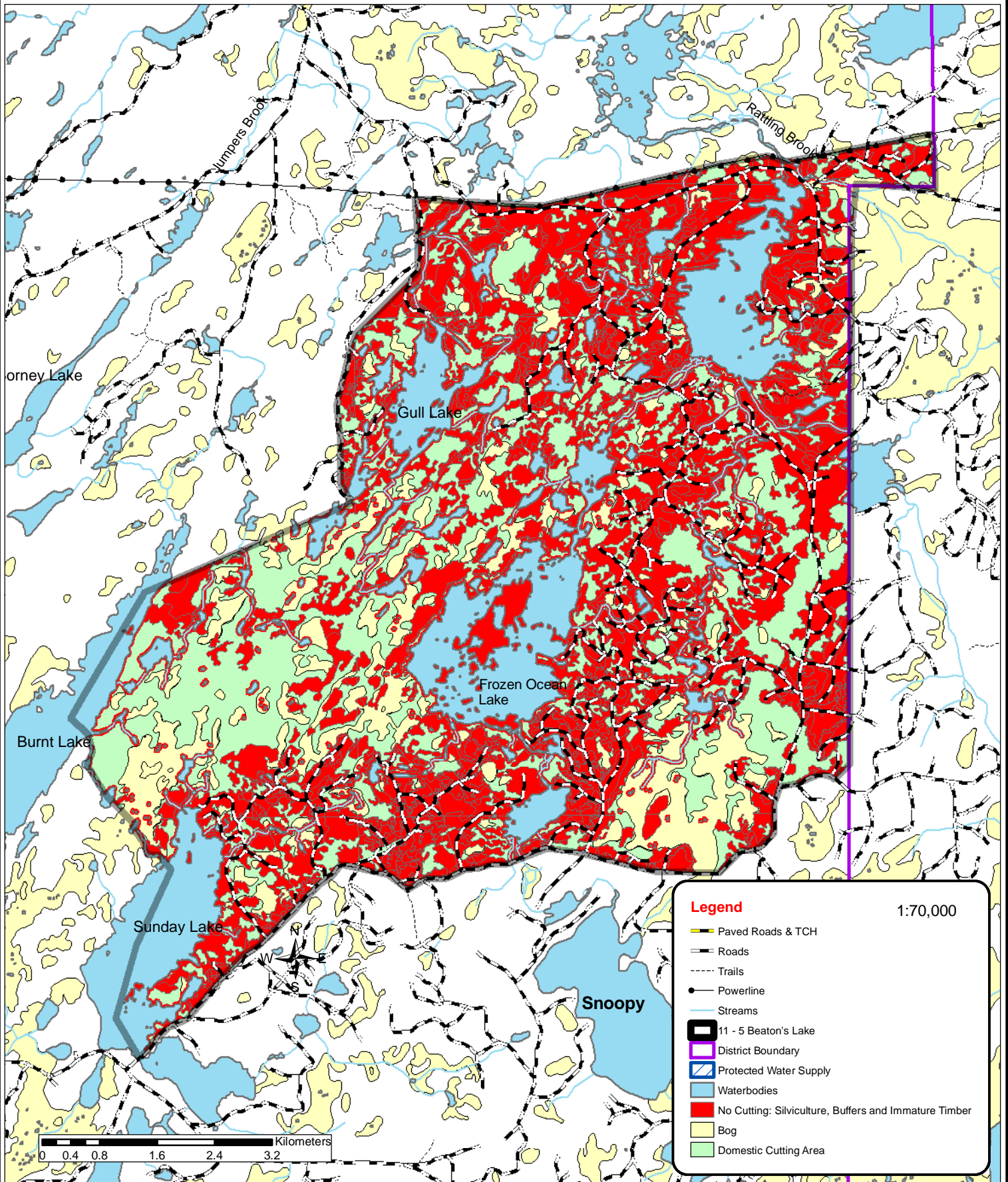
Newfoundland  
Labrador



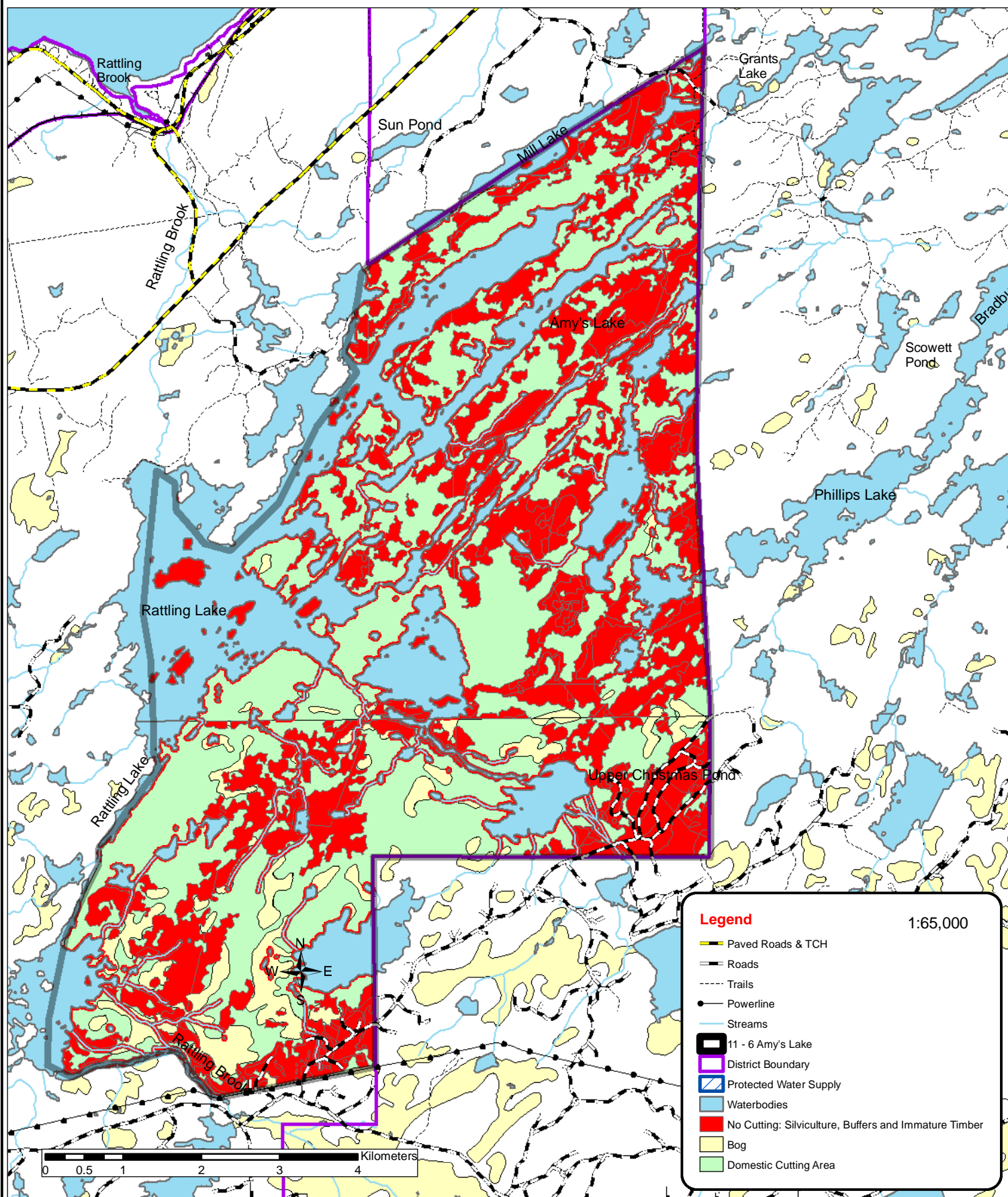


# 11 - 5 Beaton's Lake

Newfoundland  
Labrador





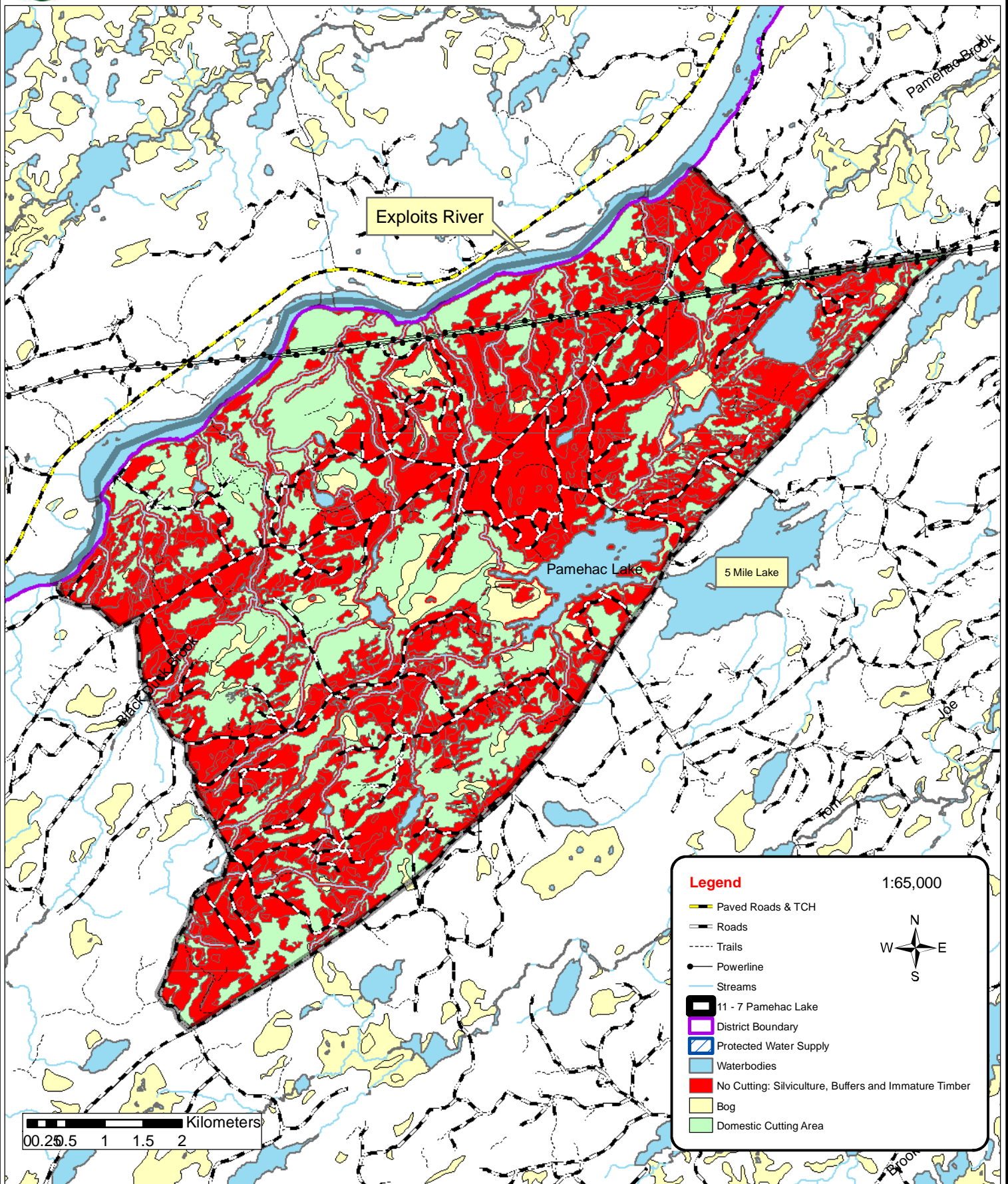






# 11 - 7 Pamehac Lake

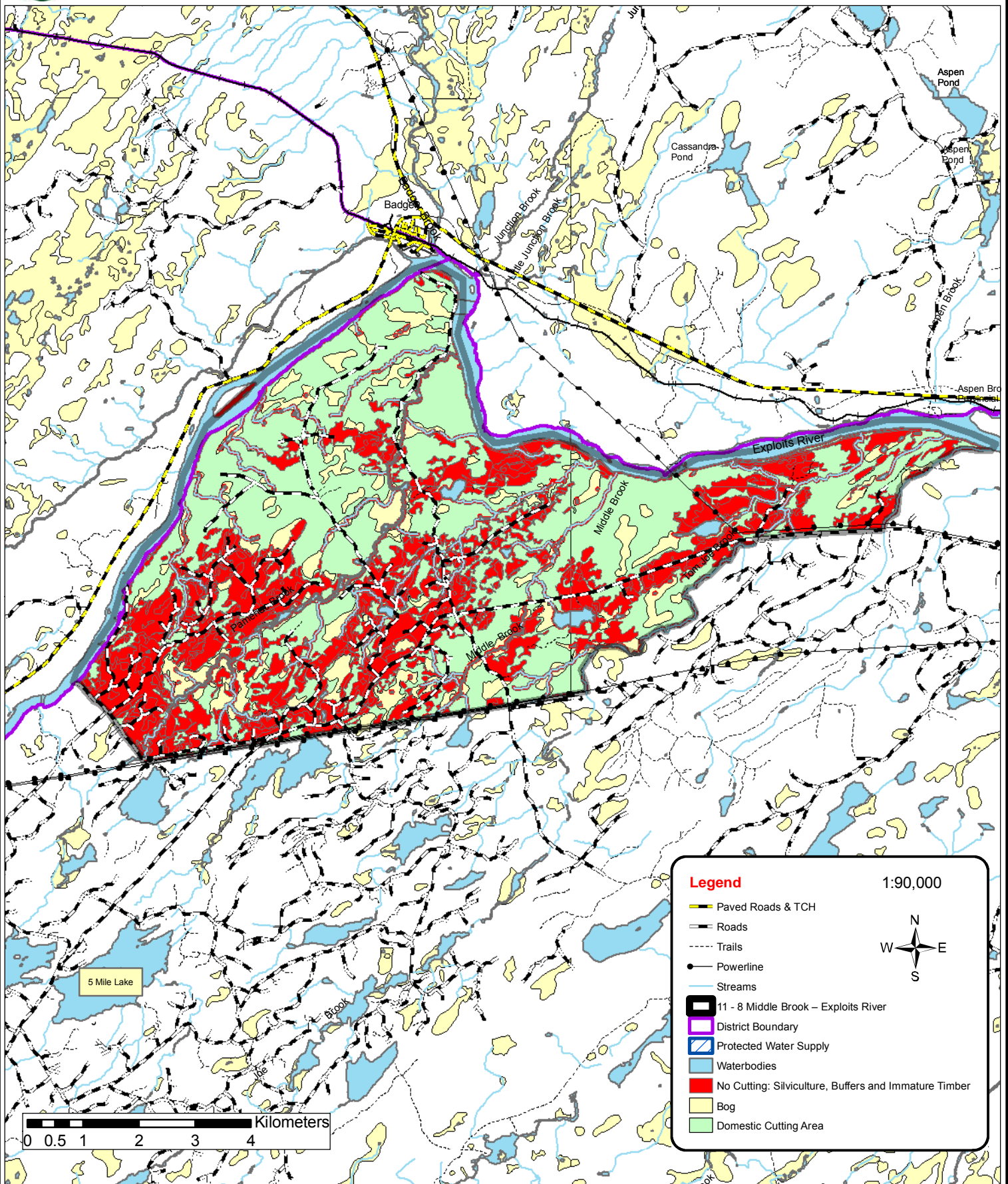
Newfoundland  
Labrador





# 11 - 8 Middle Brook – Exploits River

Newfoundland  
Labrador

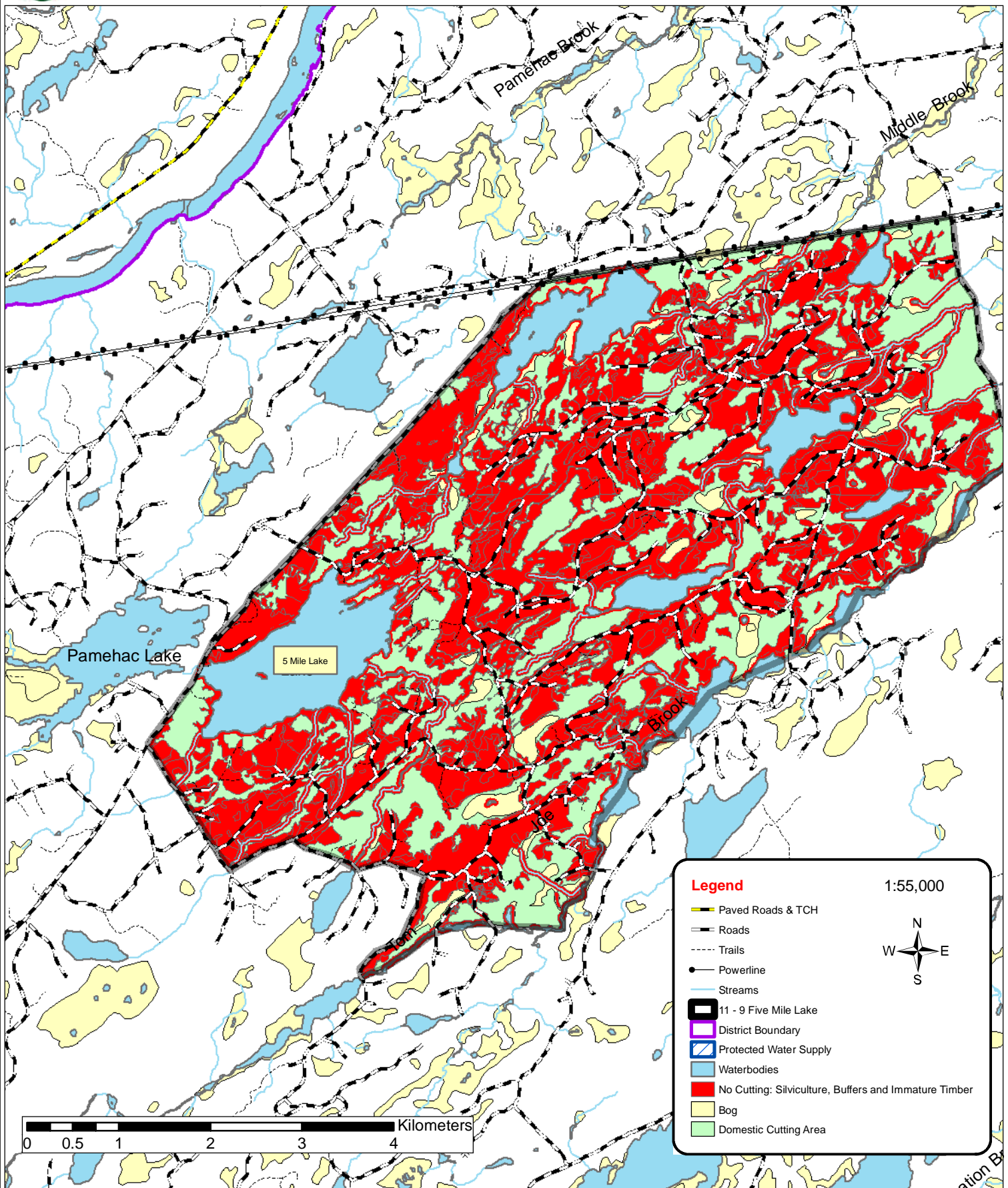






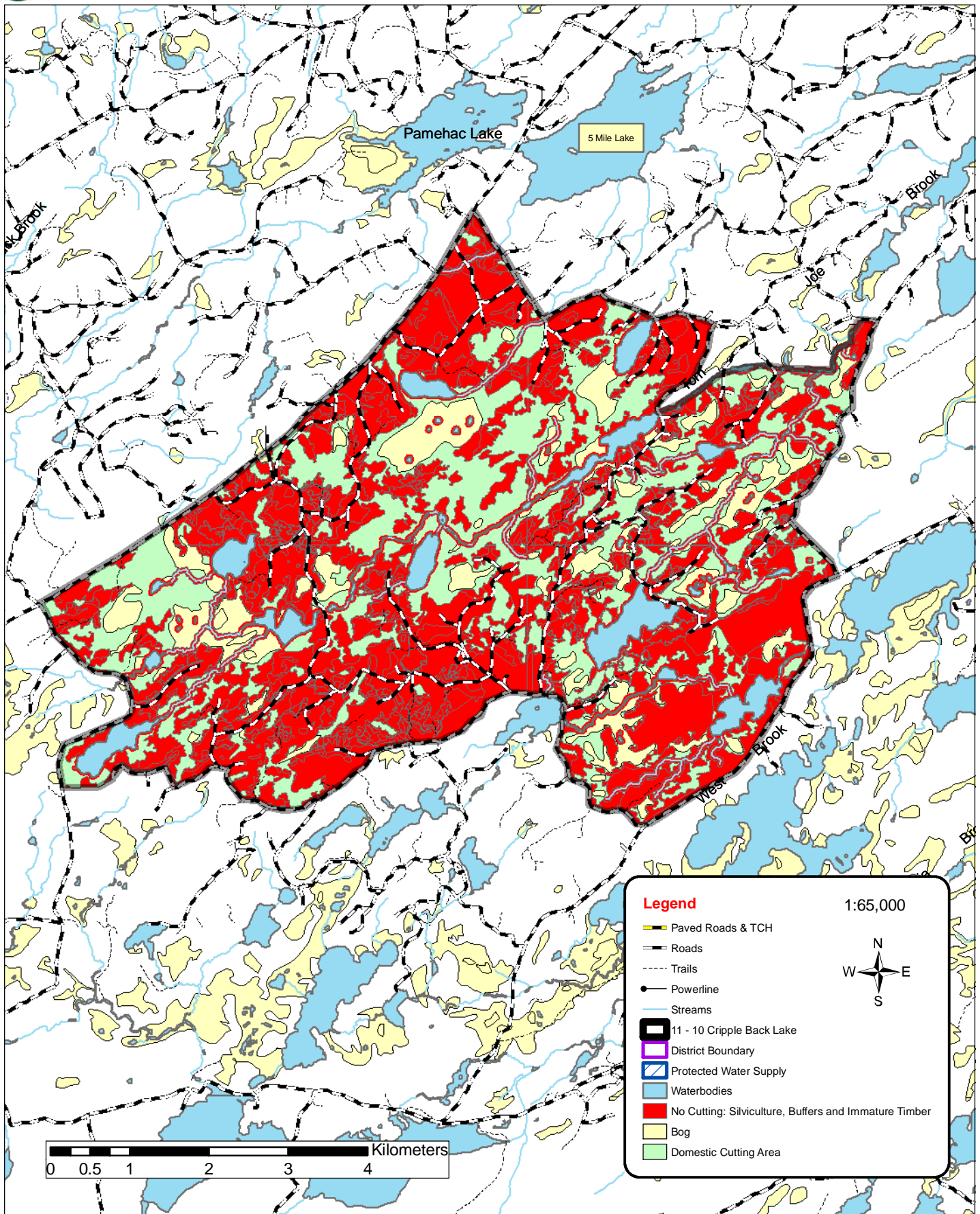
# 11 - 9 Five Mile Lake

Newfoundland  
Labrador





# 11 - 10 Cripple Back Lake

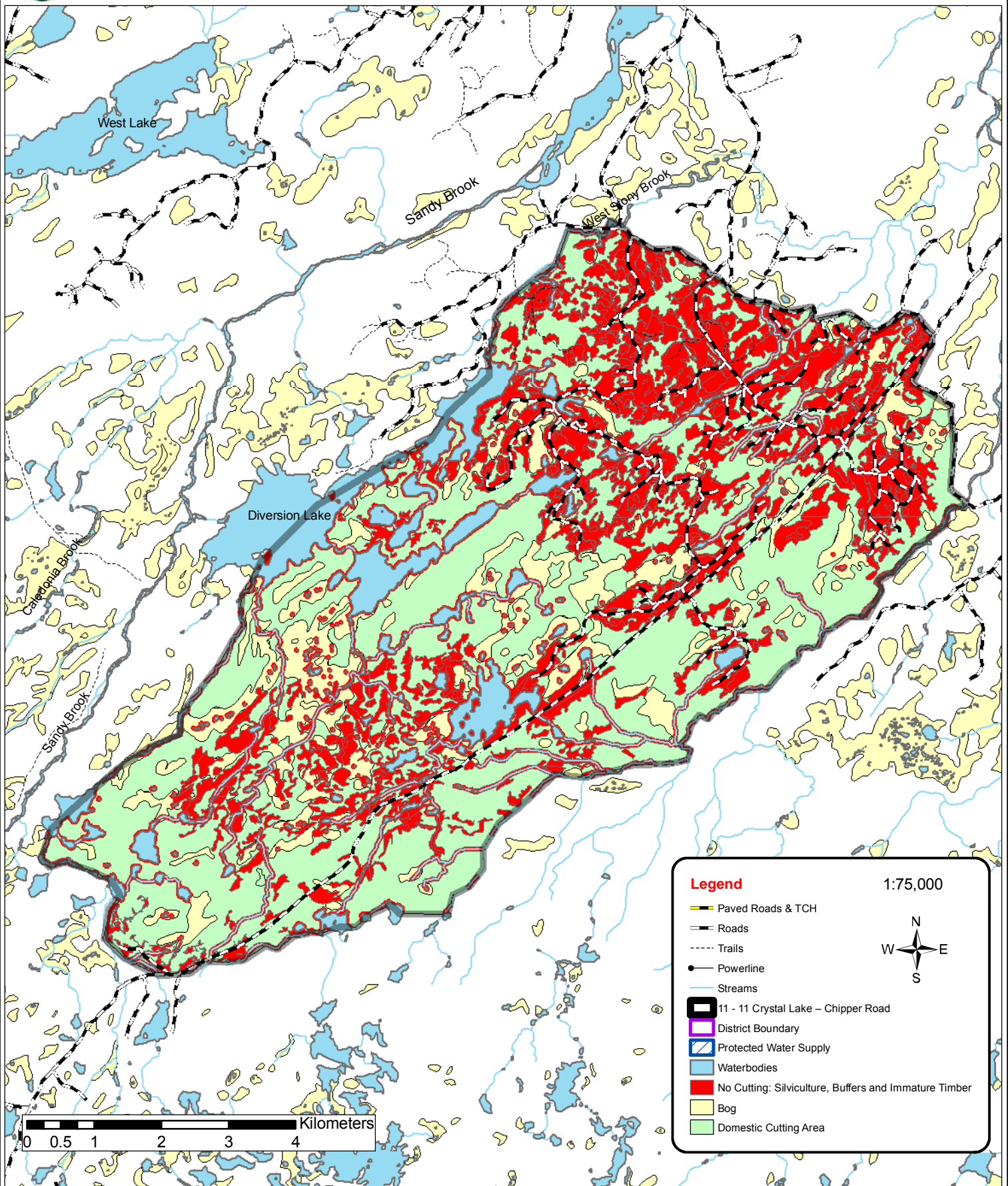






# 11 - 11 Crystal Lake – Chipper Road

Newfoundland  
Labrador

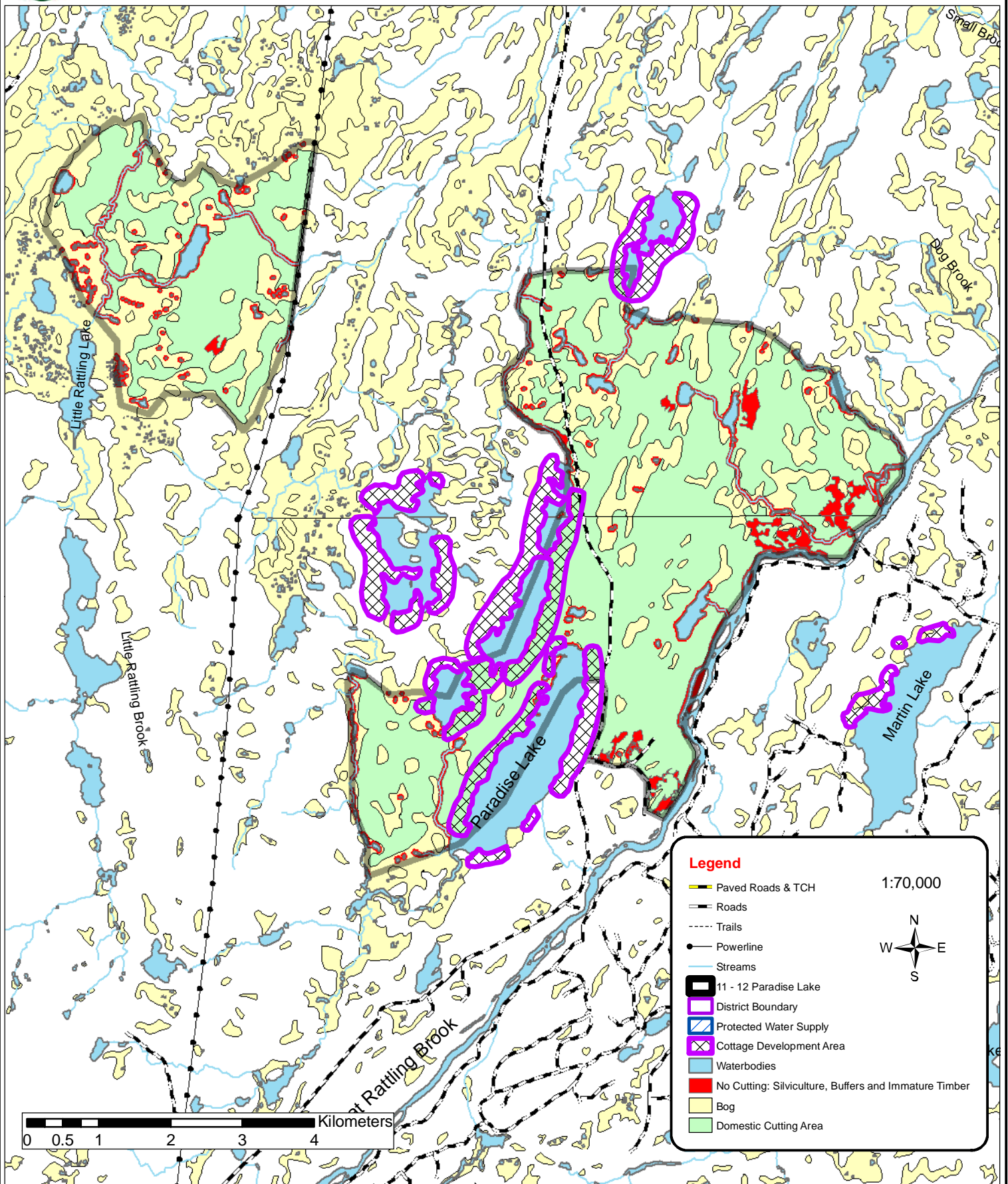






# 11 - 12 Paradise Lake

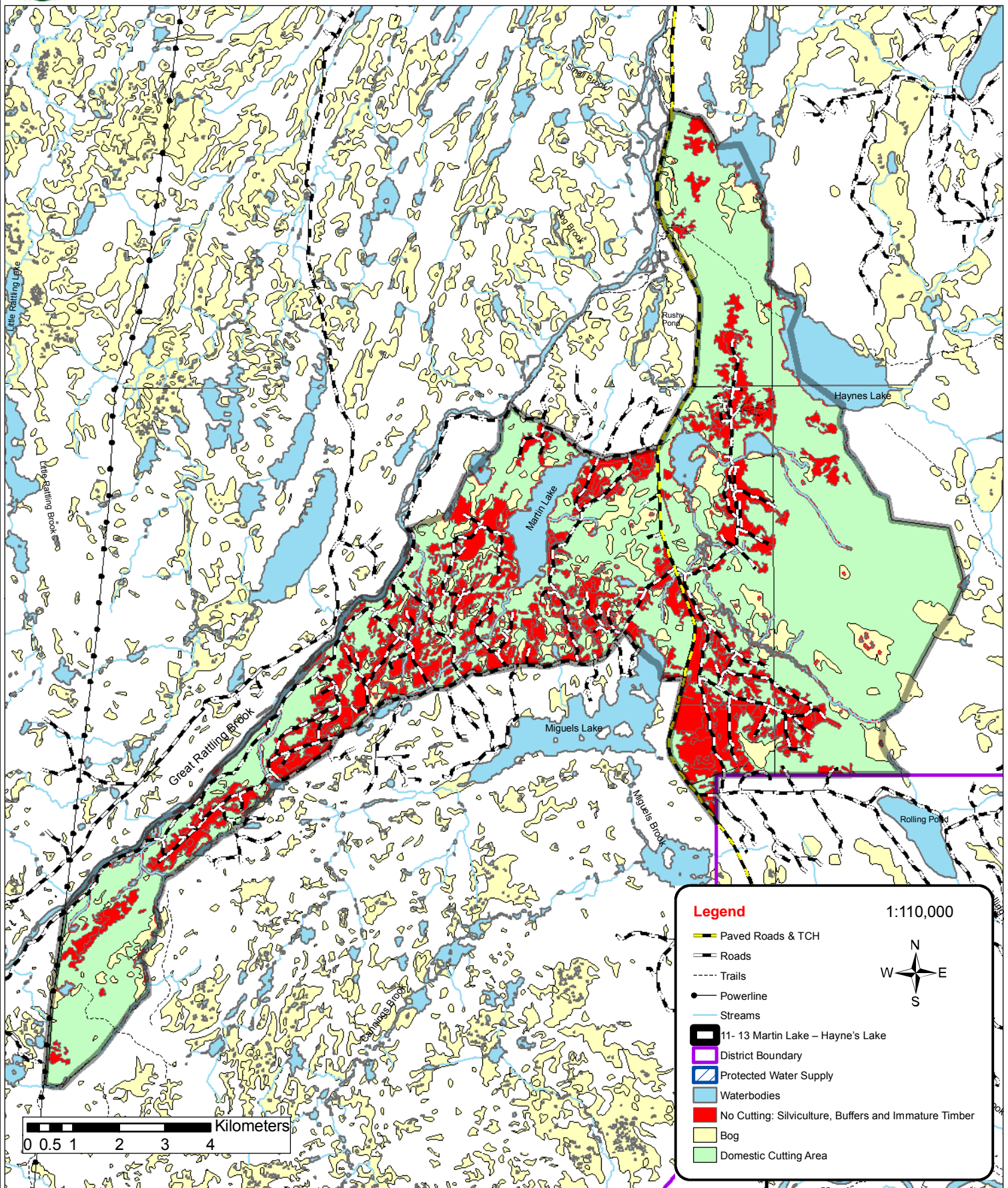
Newfoundland  
Labrador





# 11- 13 Martin Lake – Hayne's Lake

Newfoundland  
Labrador

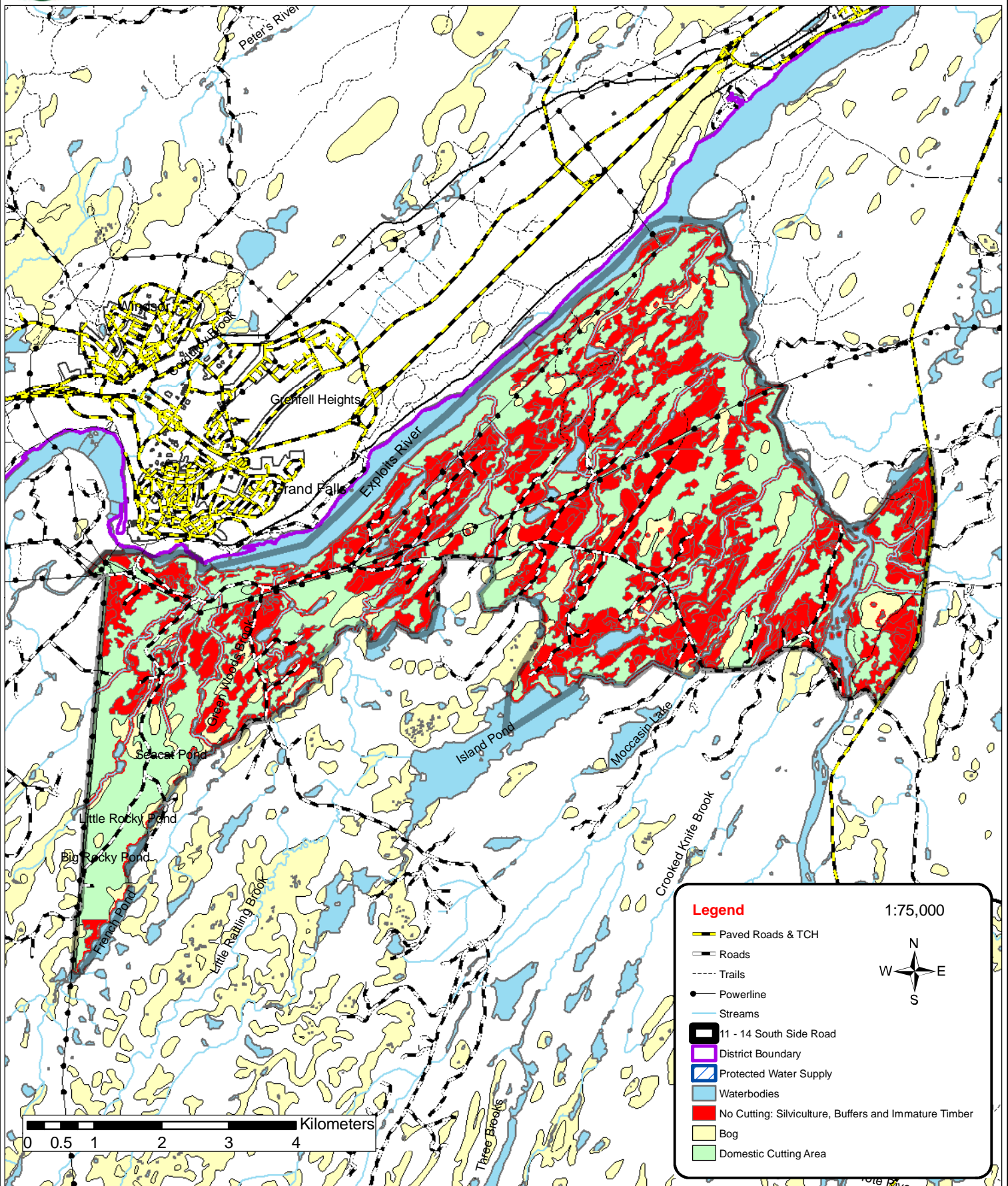






# 11 - 14 South Side Road

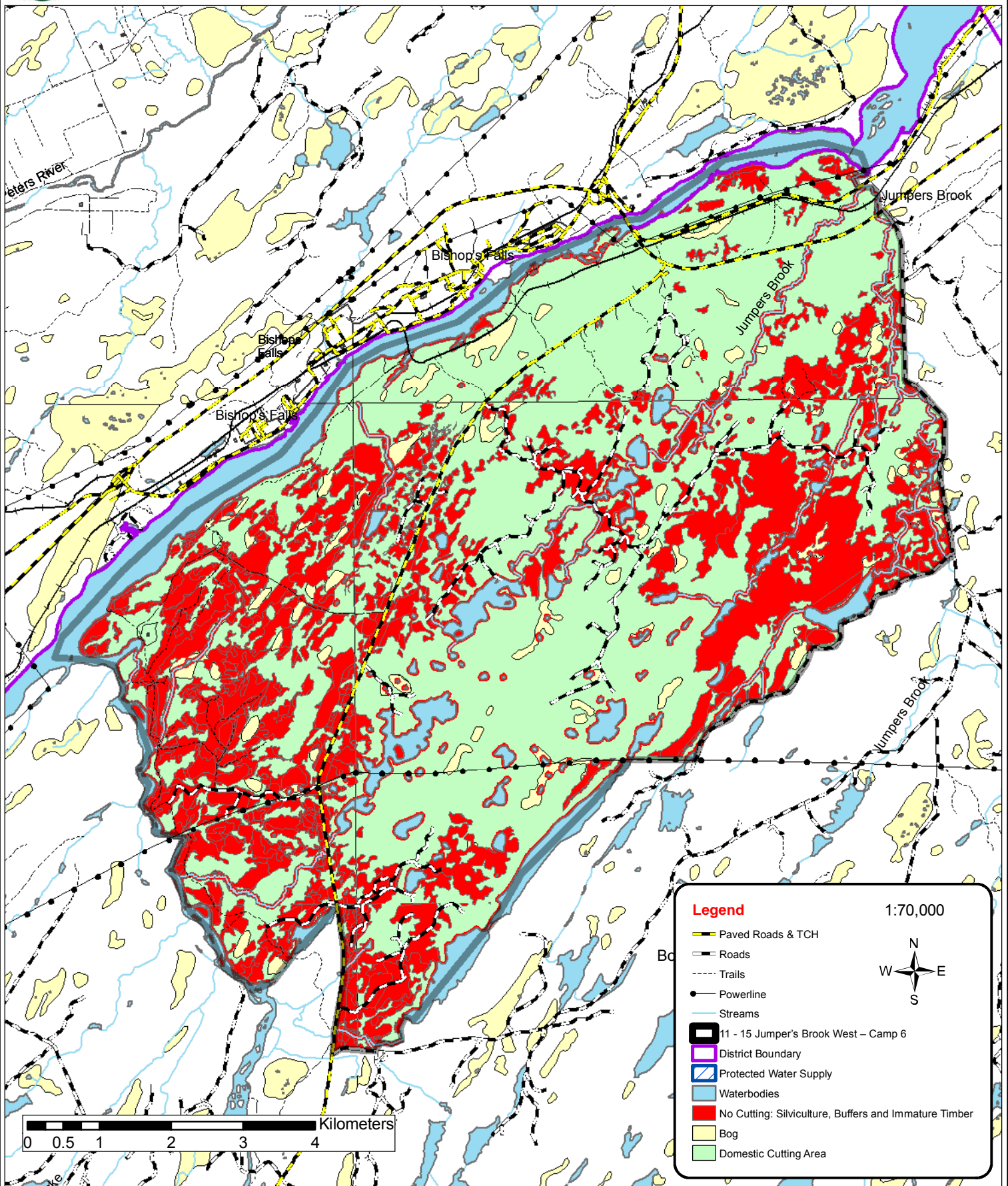
Newfoundland  
Labrador





# 11 - 15 Jumper's Brook West – Camp 6

Newfoundland  
Labrador

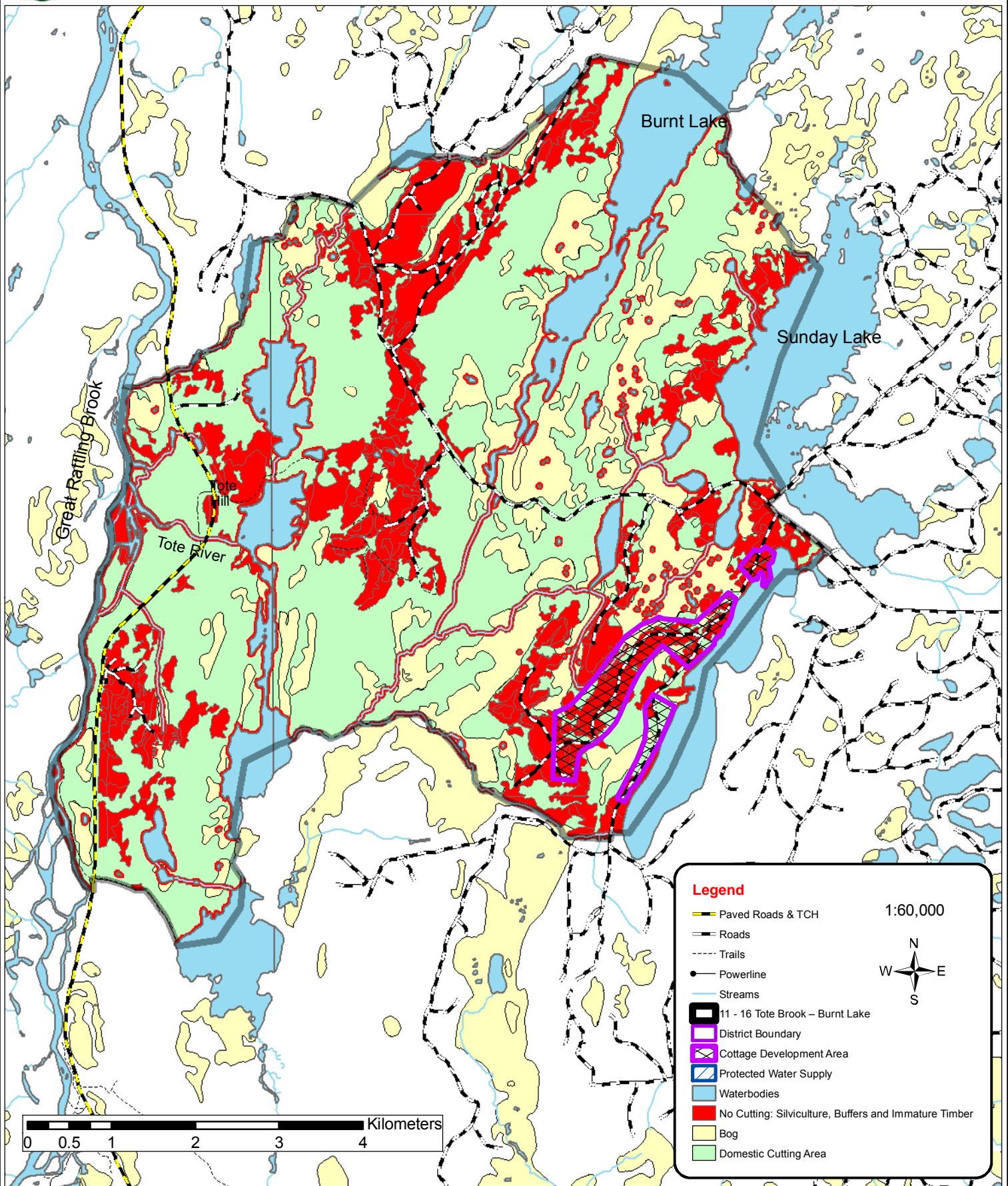






# 11 - 16 Tote Brook – Burnt Lake

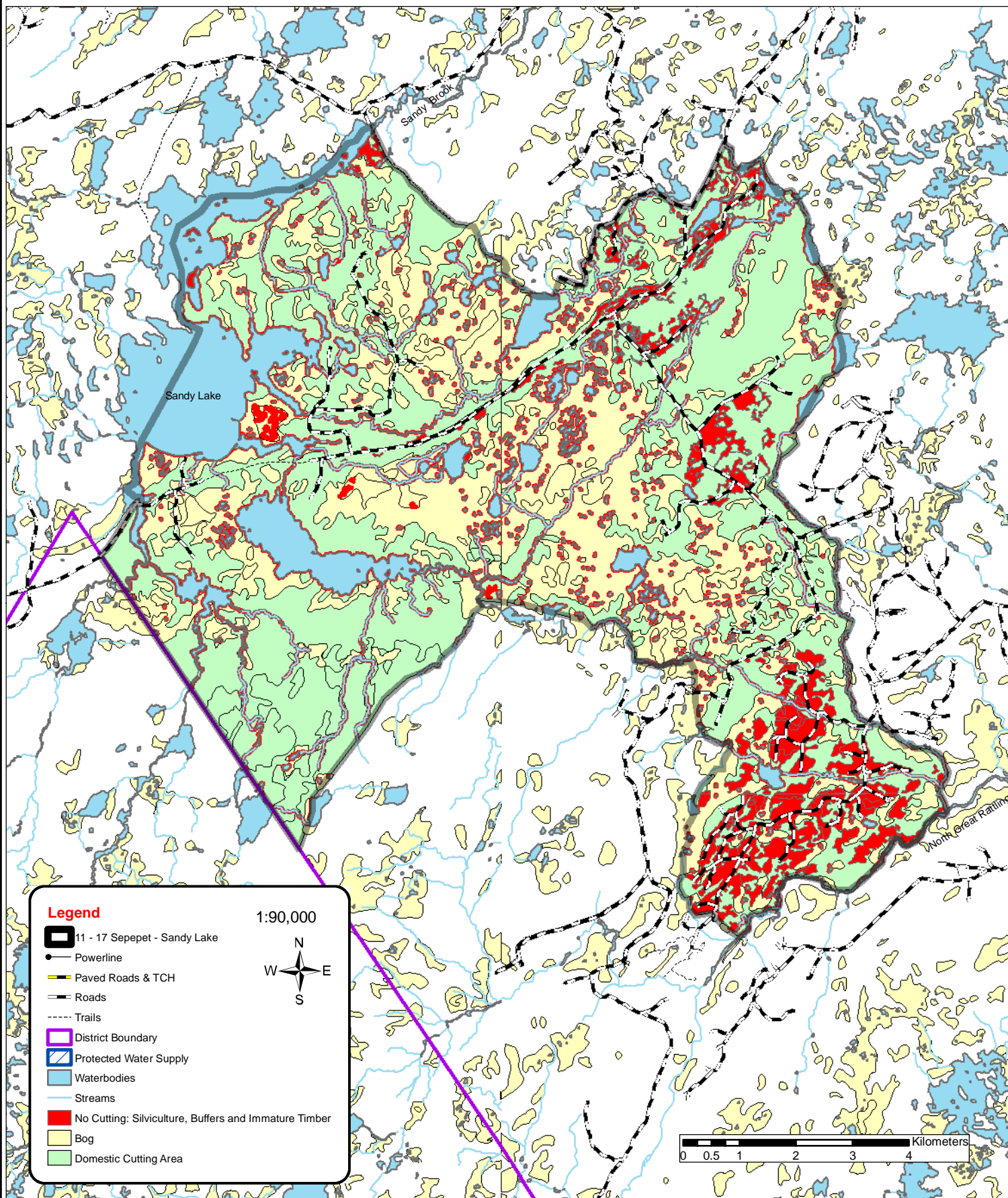
Newfoundland  
Labrador







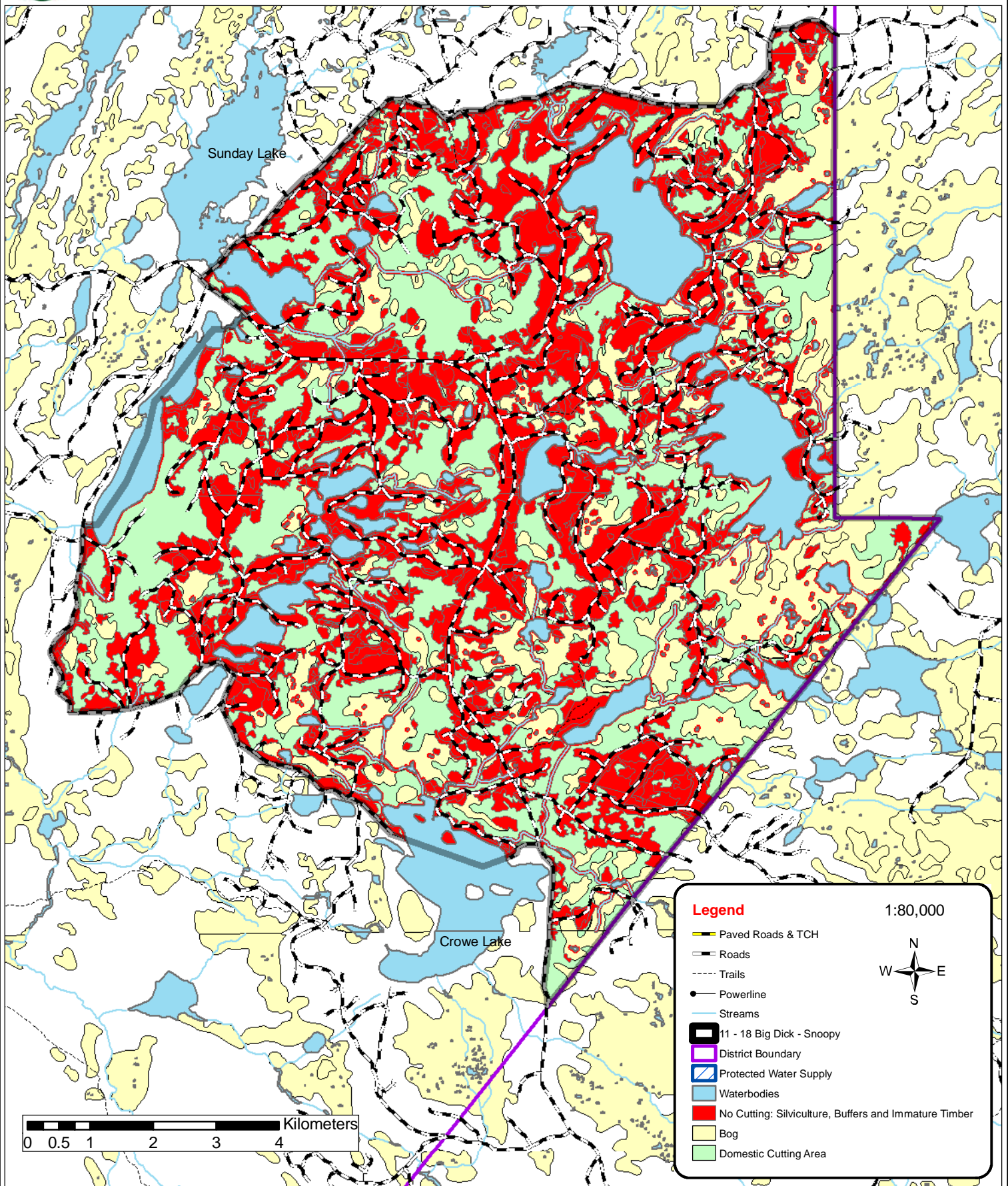
# 11 - 17 Sepepet - Sandy Lake





# 11 - 18 Big Dick - Snoopy

Newfoundland  
Labrador



<b>Operating Area Name:</b> Hardwood and Softwood Domestic Cutting Areas District 11	<b>Operating Area #:</b> cD1103
<b>Domestic cutting area &amp; map #:</b> 11-2, 11-6, 11-14, 11-18,	<b>NTS Map #:</b> 2D/13, 2D/14, 2E/3

### **Description of Area:**

These listed parcels of crown land are located throughout forest management district (FMD) 11. The areas are located in close proximity to the communities throughout the Zone in order to accommodate the fuelwood/sawlog requirements of the general public. The terrain within the areas that still have mature timber are generally rugged and hilly. These areas are located in the North-Central subregion of the Central Newfoundland Forest Ecoregion.

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### **Harvesting Activities:**

Commercial harvesting operations have occurred in these areas in recent years and have removed the majority of the commercially viable timber. The remaining timber is primarily located in areas that are difficult to access, the terrain is rugged and/or consist of non-commercial species. Harvesting of hardwoods and softwoods will be permitted in these areas for domestic use. Domestic harvesting will normally utilize chainsaws with extraction by snowmobiles or ATV's.

Proposed 5 year commercial softwood harvest: 0 m<sup>3</sup>  
Proposed 5 year commercial hardwood harvest: 0 m<sup>3</sup>  
Proposed 5 year domestic softwood harvest : 30,000 m<sup>3</sup>  
Proposed 5 year domestic hardwood harvest: 2,500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

None

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other

rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Hardwood Domestic Cutting Areas District 11	<b>Operating Area #:</b> cD1104
<b>Domestic cutting area &amp; map #:</b> 11-1, 11-3, 11-4, 11-5, 11-7, 11-8,11-9, 11-10, 11-11, 11-12, 11-13,11-14, 11-16, 11-17	<b>NTS Map #:</b> 12A/16, 2D/13, 2D/14, 12A/9, 2D/12, 2D/11, 2E/3

### **Description of Area:**

These listed parcels of crown land are located throughout forest management district (FMD) 11. The areas are generally isolated and established throughout the Zone in order to accommodate the fuelwood requirements of remote cabin owners and cabins within cottage development areas. The terrain is generally rolling and located within the North-Central subregion of the Central Newfoundland Forest Ecoregion.

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### **Harvesting Activities:**

Many of these areas still contain a significant amount of commercially viable timber. Domestic harvesting will only be permitted for hardwoods and non-commercial species including larch and dead/blowdown timber. Domestic harvesting will normally utilize chainsaws with extraction by snowmobiles or ATV's.

Proposed 5 year commercial softwood harvest: 0 m3  
Proposed 5 year commercial hardwood harvest: 0 m3  
Proposed 5 year domestic softwood harvest: 0 m3  
Proposed 5 year domestic hardwood harvest: 7,500 m3

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

None

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

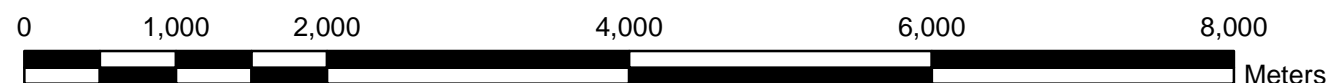
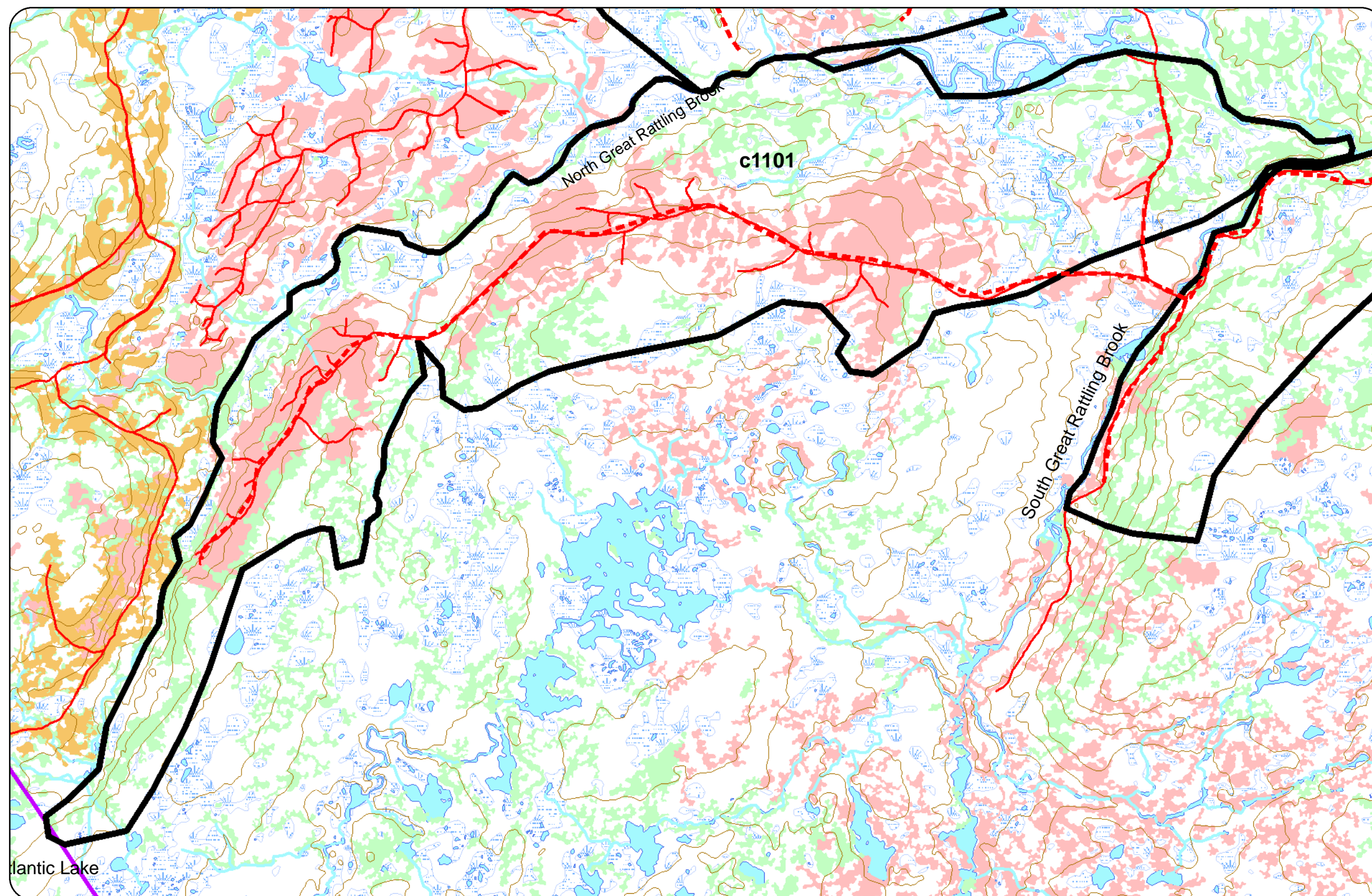
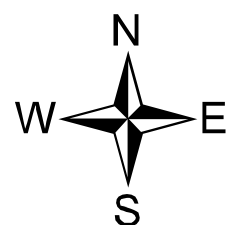


There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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## Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature



1:50,000

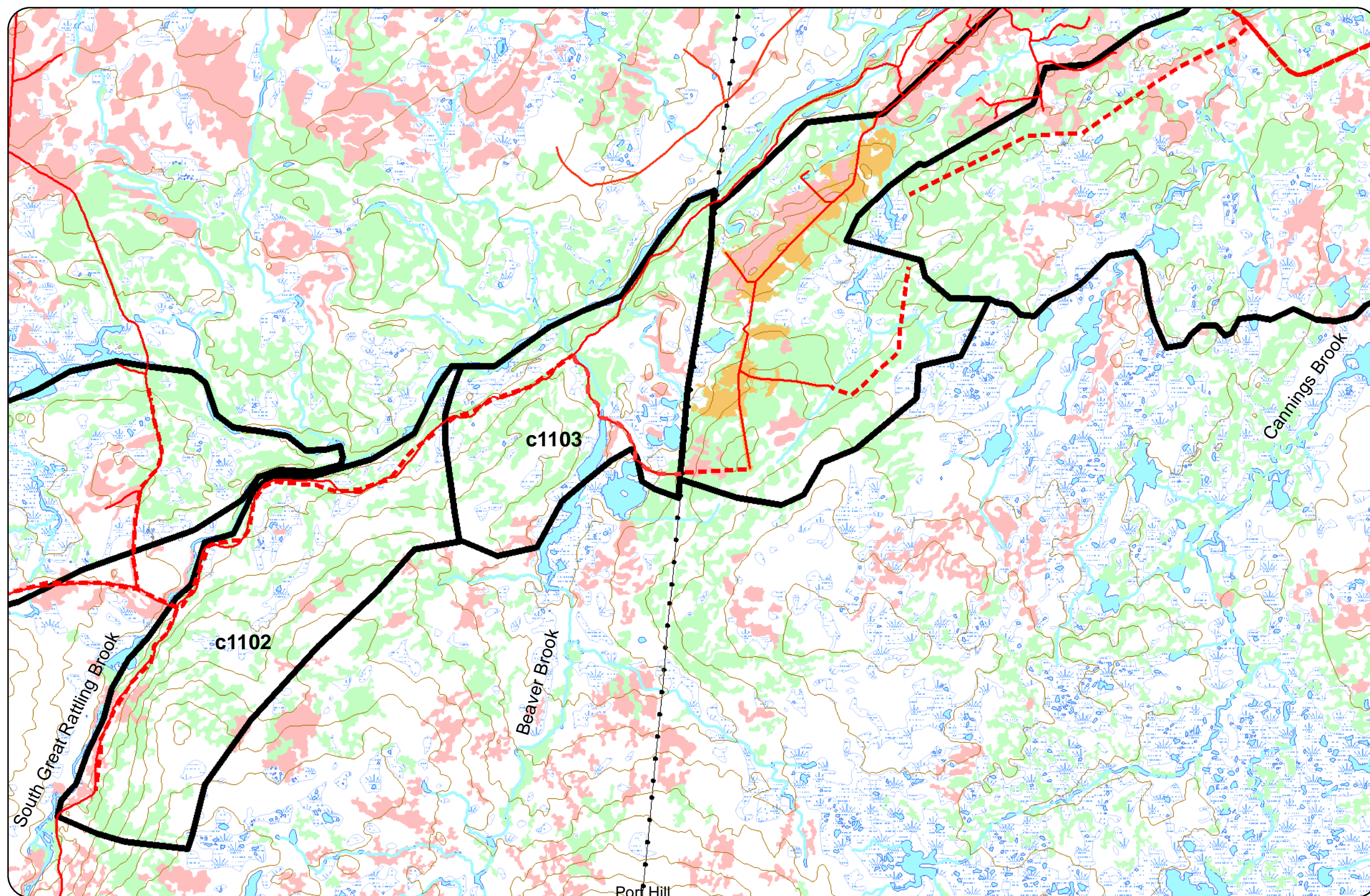
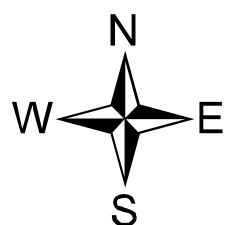


Five Year Plan (2011 - 2015)  
Forest Management District 11

South Great Rattling - C1102  
Beaver Pond - C1103

### Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

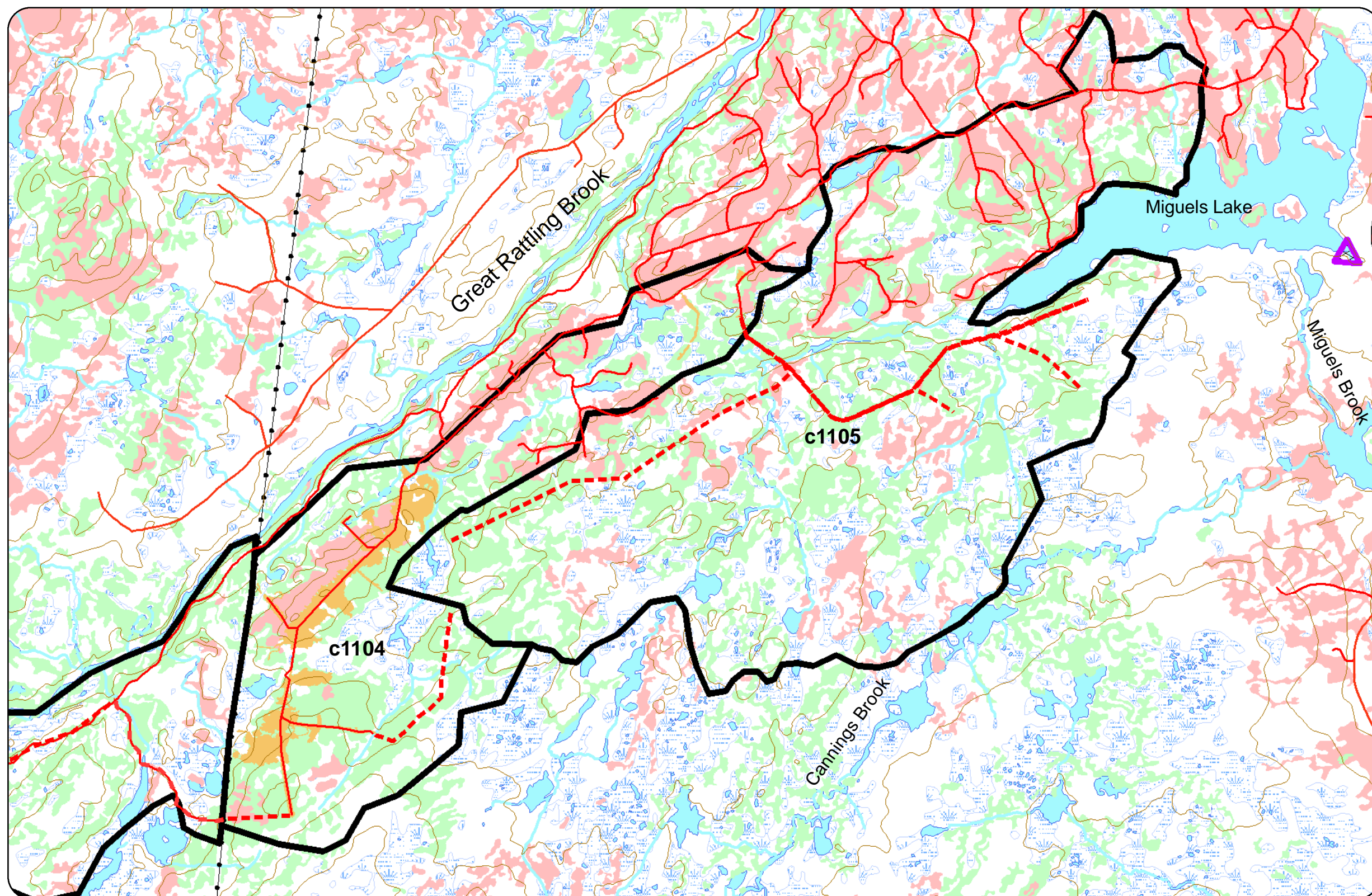
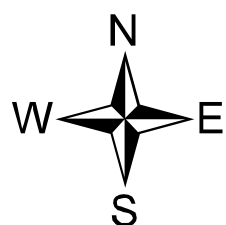


Five Year Plan (2011 - 2015)  
Forest Management District 11

Great Rattling - C1104  
Miguel Lake - C1105

## Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Area



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1:50,000

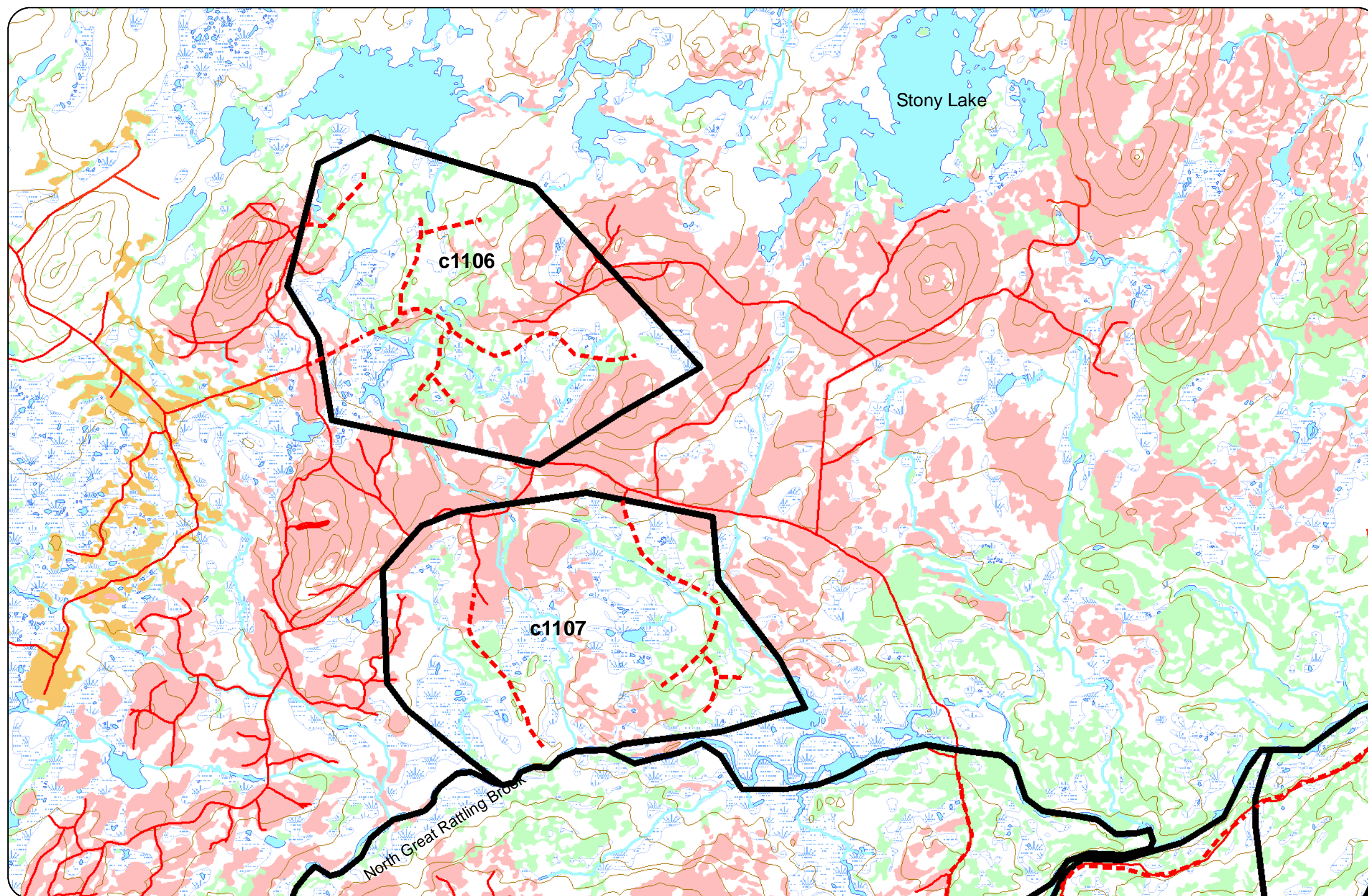
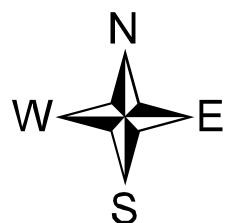


Five Year Plan (2011 - 2015)  
Forest Management District 11

Sepepet Block 1 - C1106  
Sepepet Block 2 - C1107

### Legend

- Roads
- - - Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature



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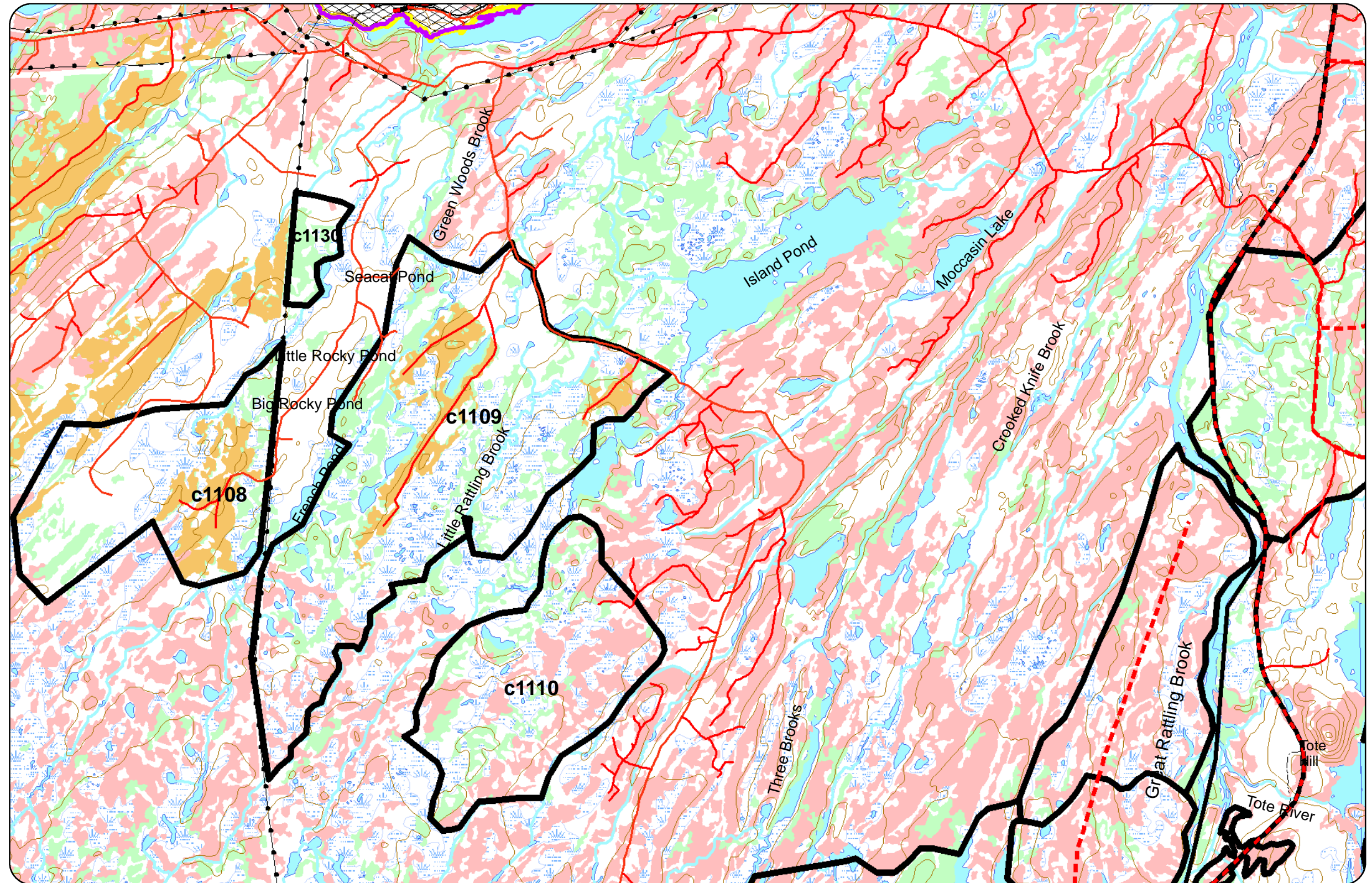
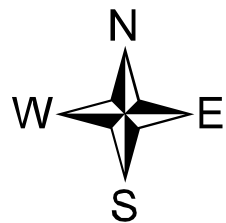


Five Year Plan (2011 - 2015)  
Forest Management District 11

Golden Gullies - C1108  
Budgels Pond - C1109  
Nugents Pond - C1110  
Seacat Pond - C1130

## Legend

- Roads
- - - Proposed Roads
- contours
- streams
- ~ Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature



0 1,000 2,000 4,000 6,000 8,000  
Meters

1:50,000

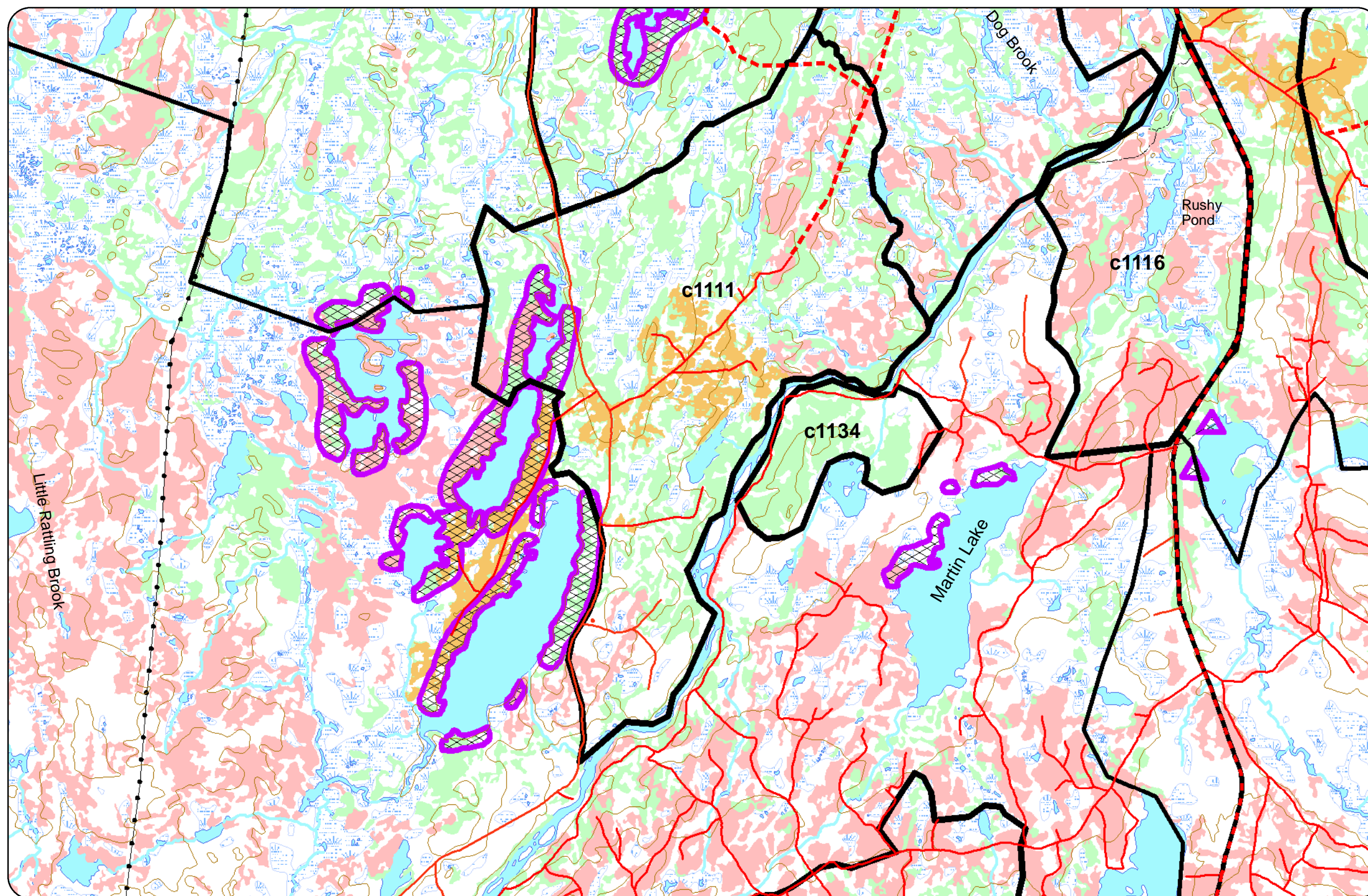
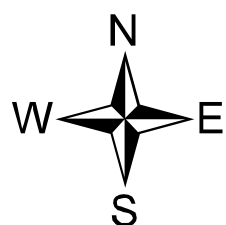


Five Year Plan (2011 - 2015)  
Forest Management District 11

Luffs Pond 1 - C1111  
Rushy pond - C1116  
Kennedys Pond - C1134

### Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Areas



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

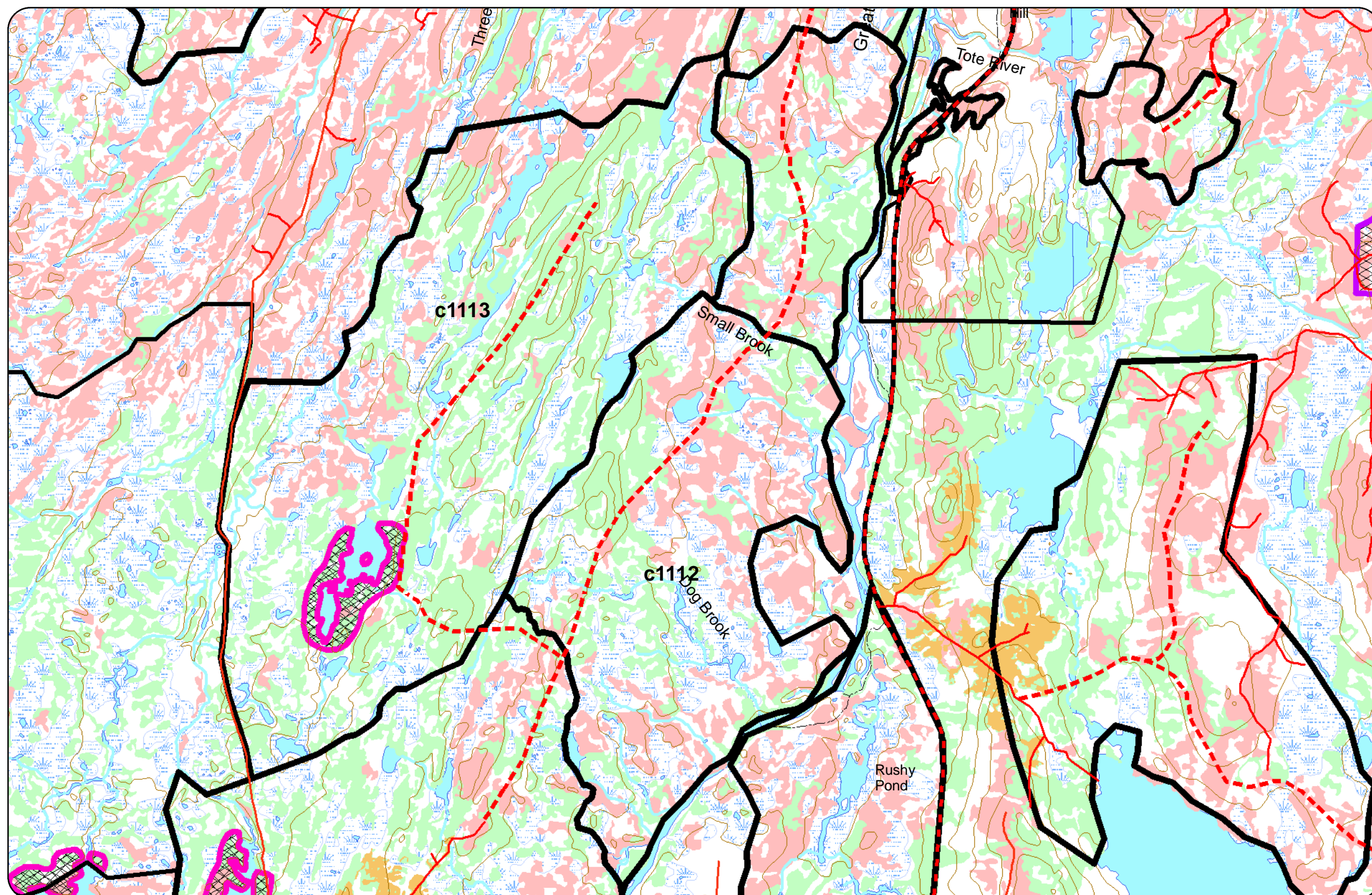
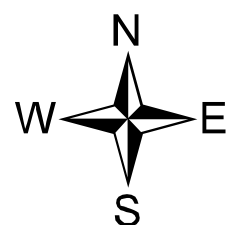


Five Year Plan (2011 - 2015)  
Forest Management District 11

Luffs Pond 2 - C1112  
Luffs Pond 3 - C1113

## Legend

- Roads
- - - Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Areas



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

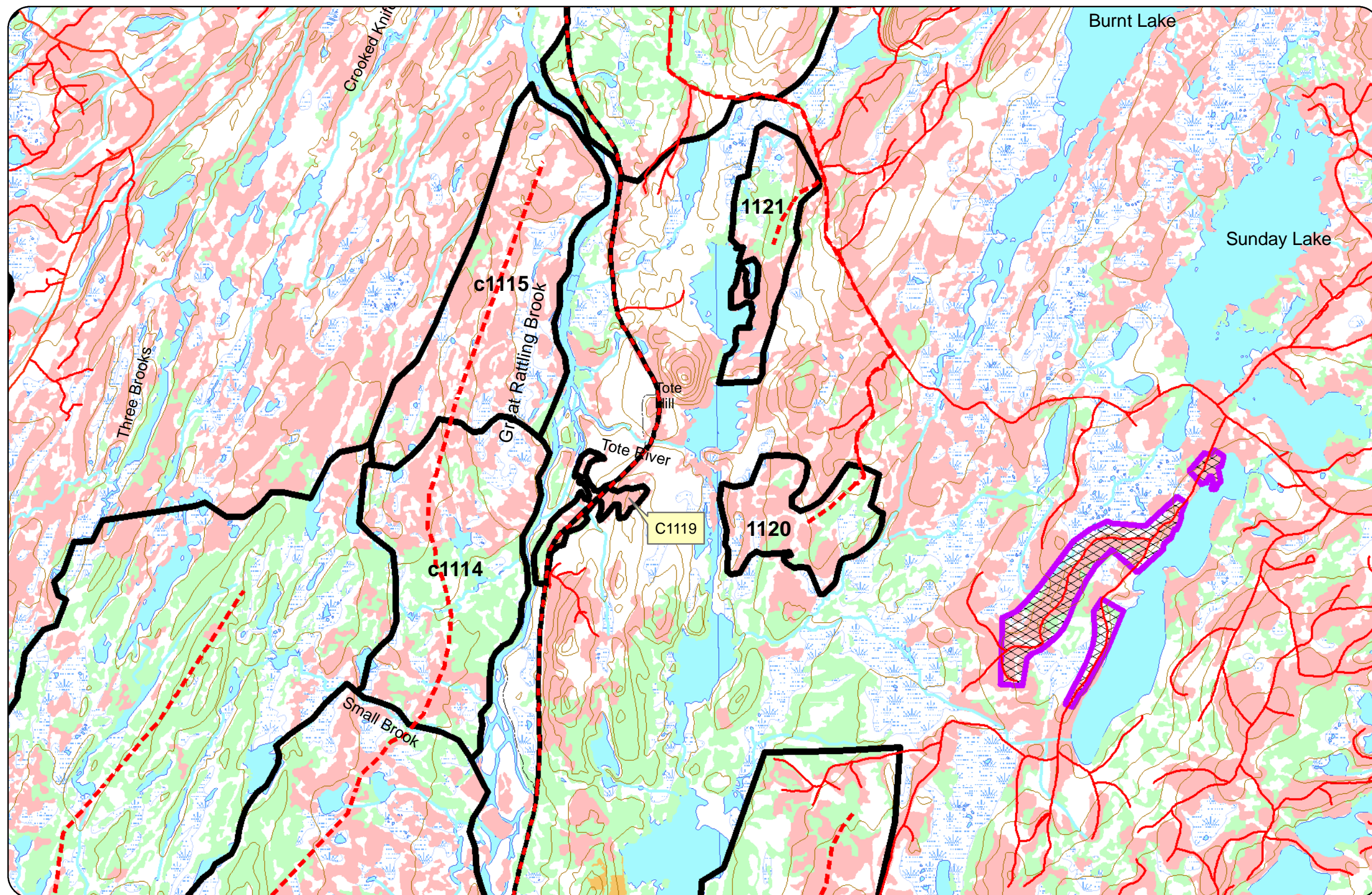
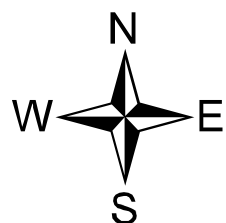


**Five Year Plan (2011 - 2015)  
Forest Management District 11**

Great Rattling West 1 - C1114  
Great Rattling West 2 - C1115  
20 Mile - C1119  
Tote Lake - C1120  
Arthurs Lake - C1121

## Legend

- Roads
- - - Proposed Roads
- contours
- streams
- ~ Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Areas

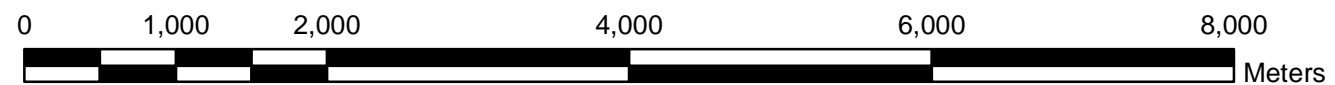
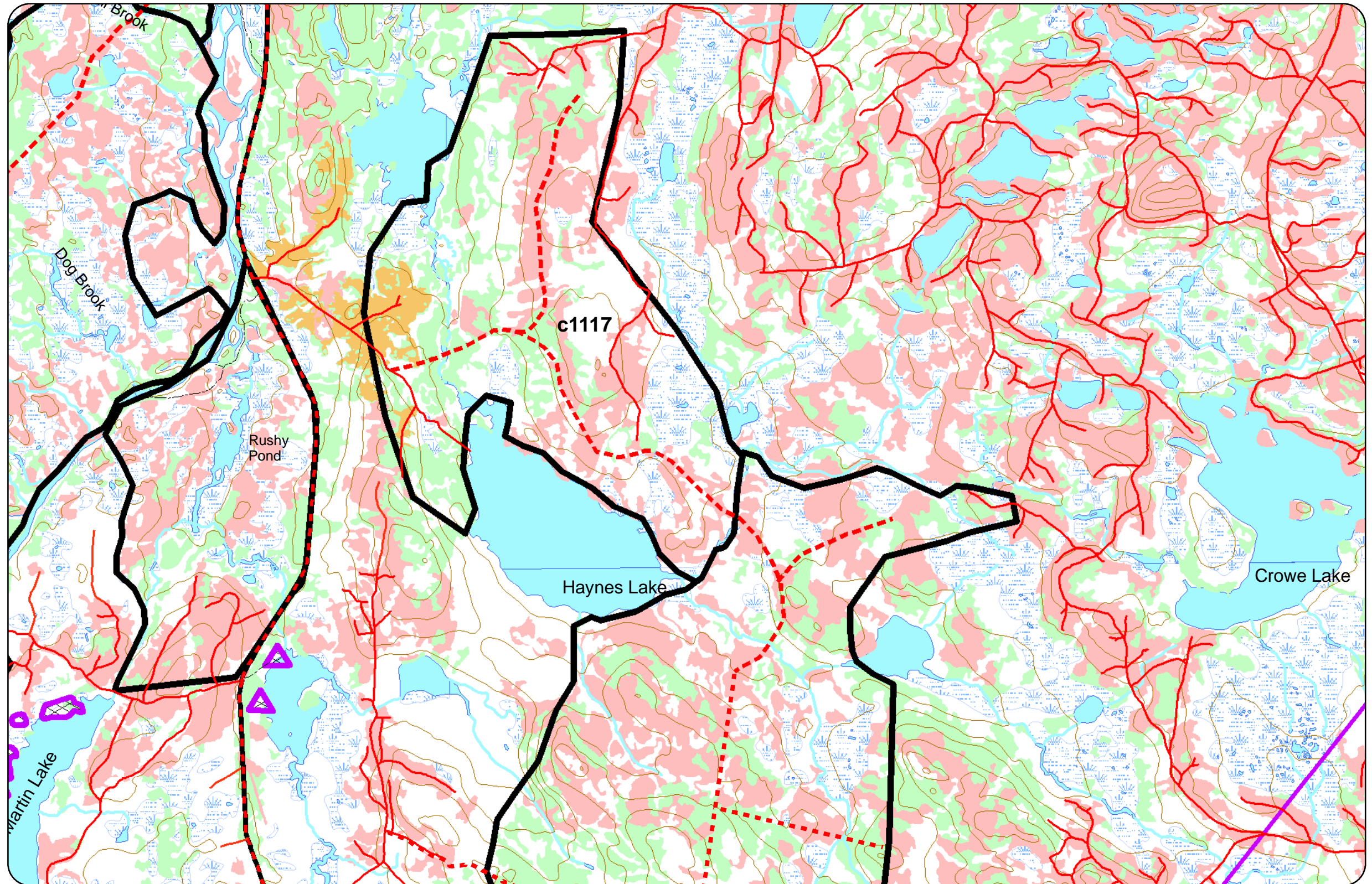
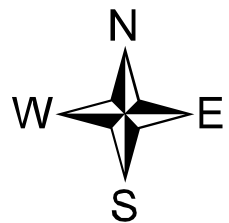


1:50,000



## Legend

- Roads
- - - Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Areas



1:50,000

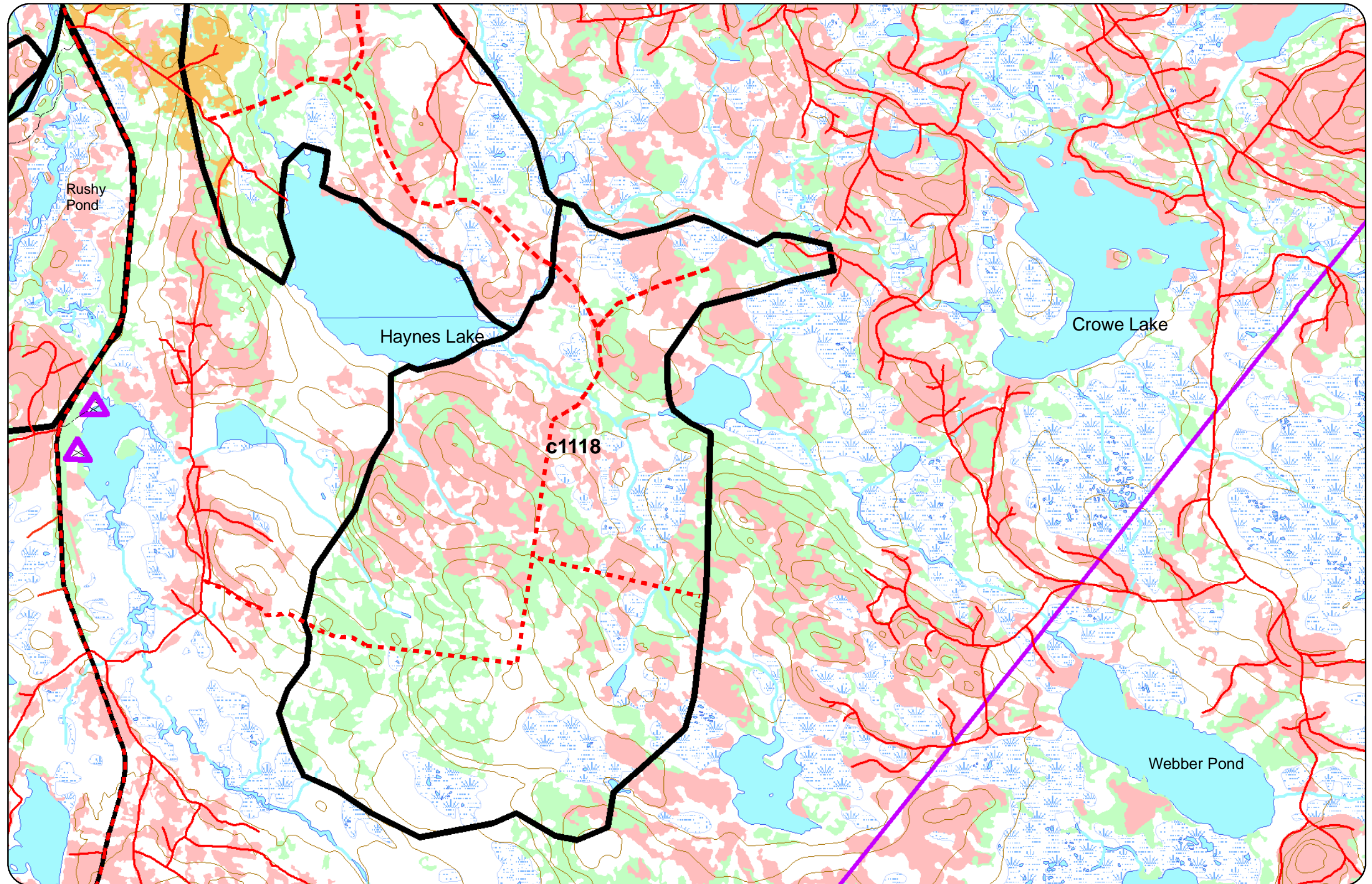
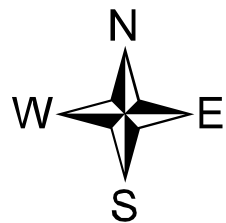


Five Year Plan (2011 - 2015)  
Forest Management District 11

Haynes Lake- C1118

## Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Areas



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

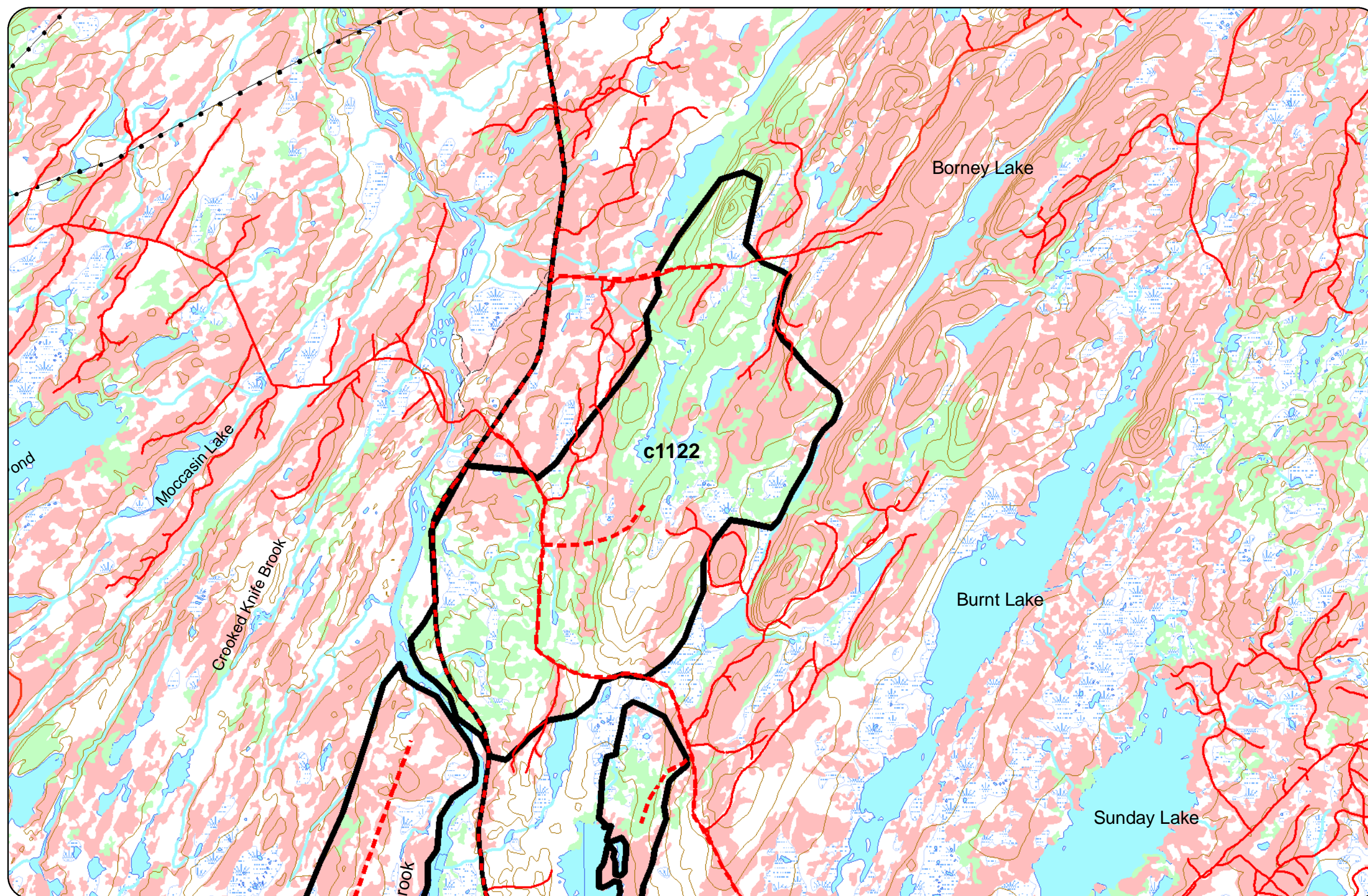
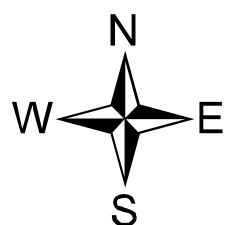


Five Year Plan (2011 - 2015)  
Forest Management District 11

Sunday Pond - C1122

Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

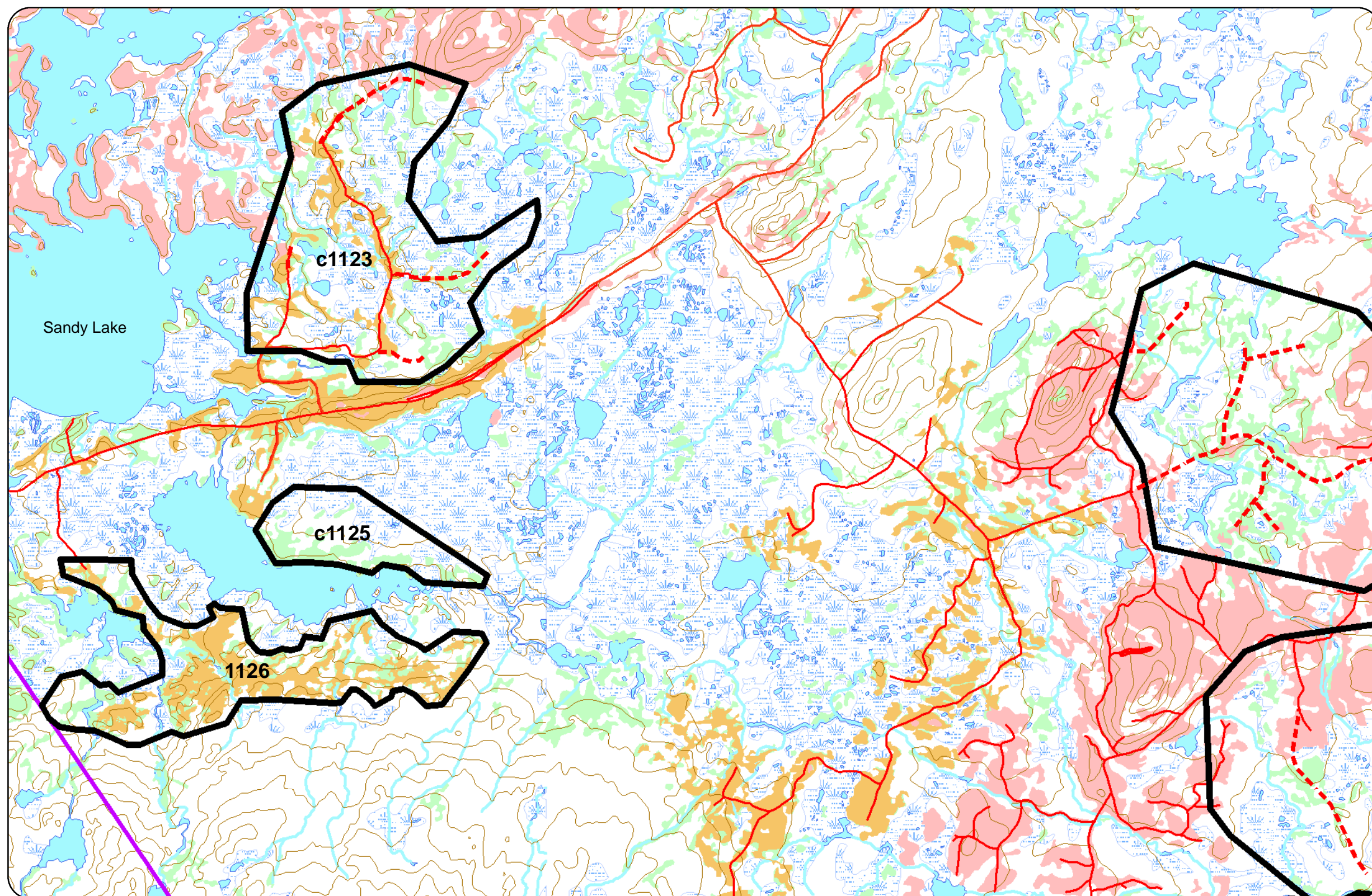
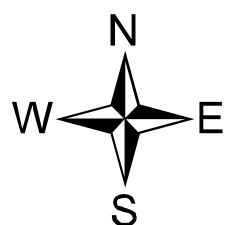


Five Year Plan (2011 - 2015)  
Forest Management District 11

Patchy Pond - C1123  
Pistol Lake 1 - C1125  
Pistol Lake 2 - C1126

### Legend

- Roads
- - - Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature



0 1,100 2,200 4,400 6,600 8,800 Meters

1:50,000

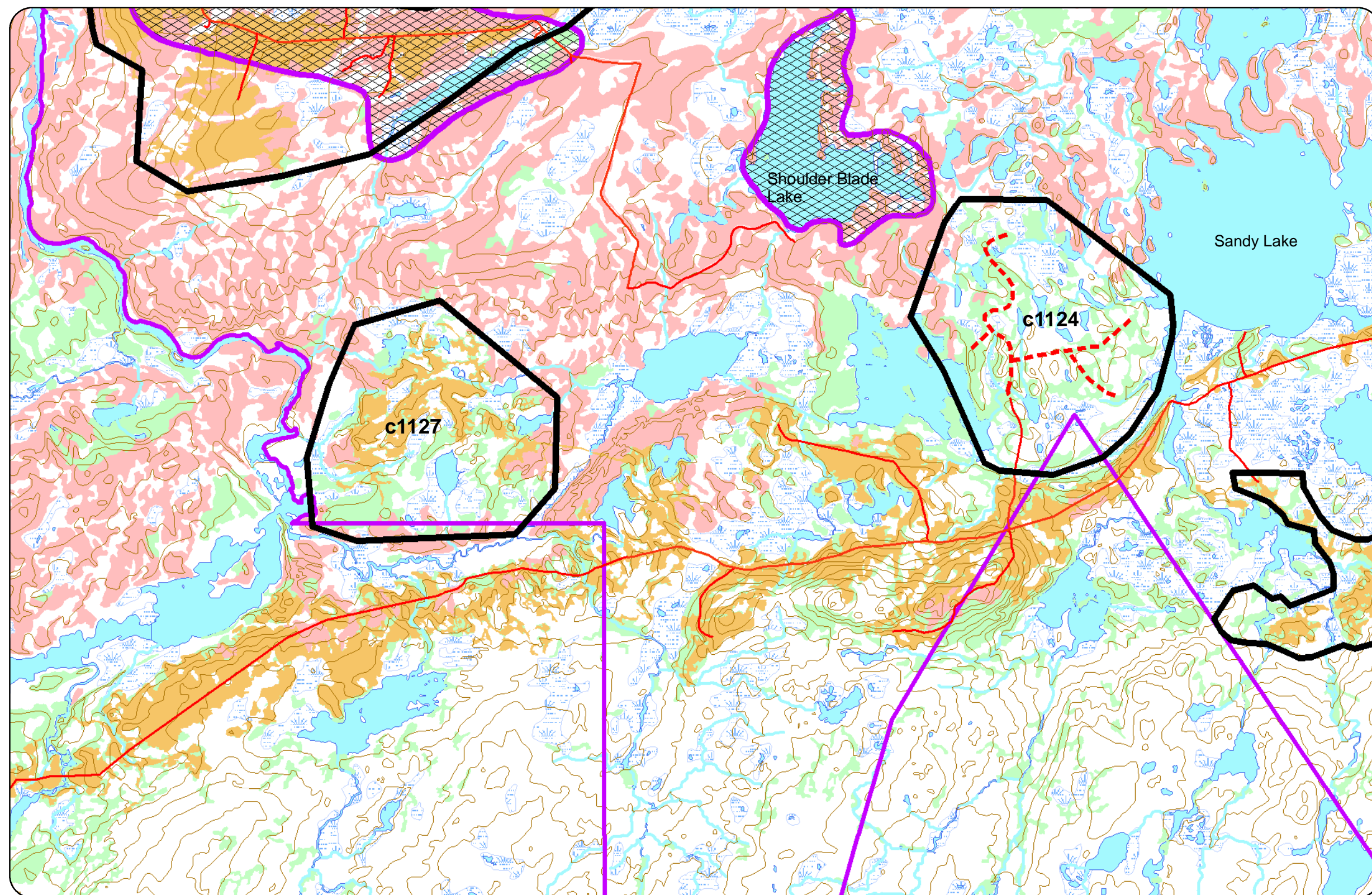
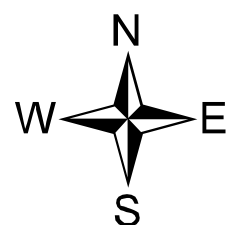


Five Year Plan (2011 - 2015)  
Forest Management District 11

Sandy Lake - C1124  
Trappers - C1127

### Legend

- Roads
- - - Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Areas



0 1,050 2,100 4,200 6,300 8,400 Meters

1:50,000

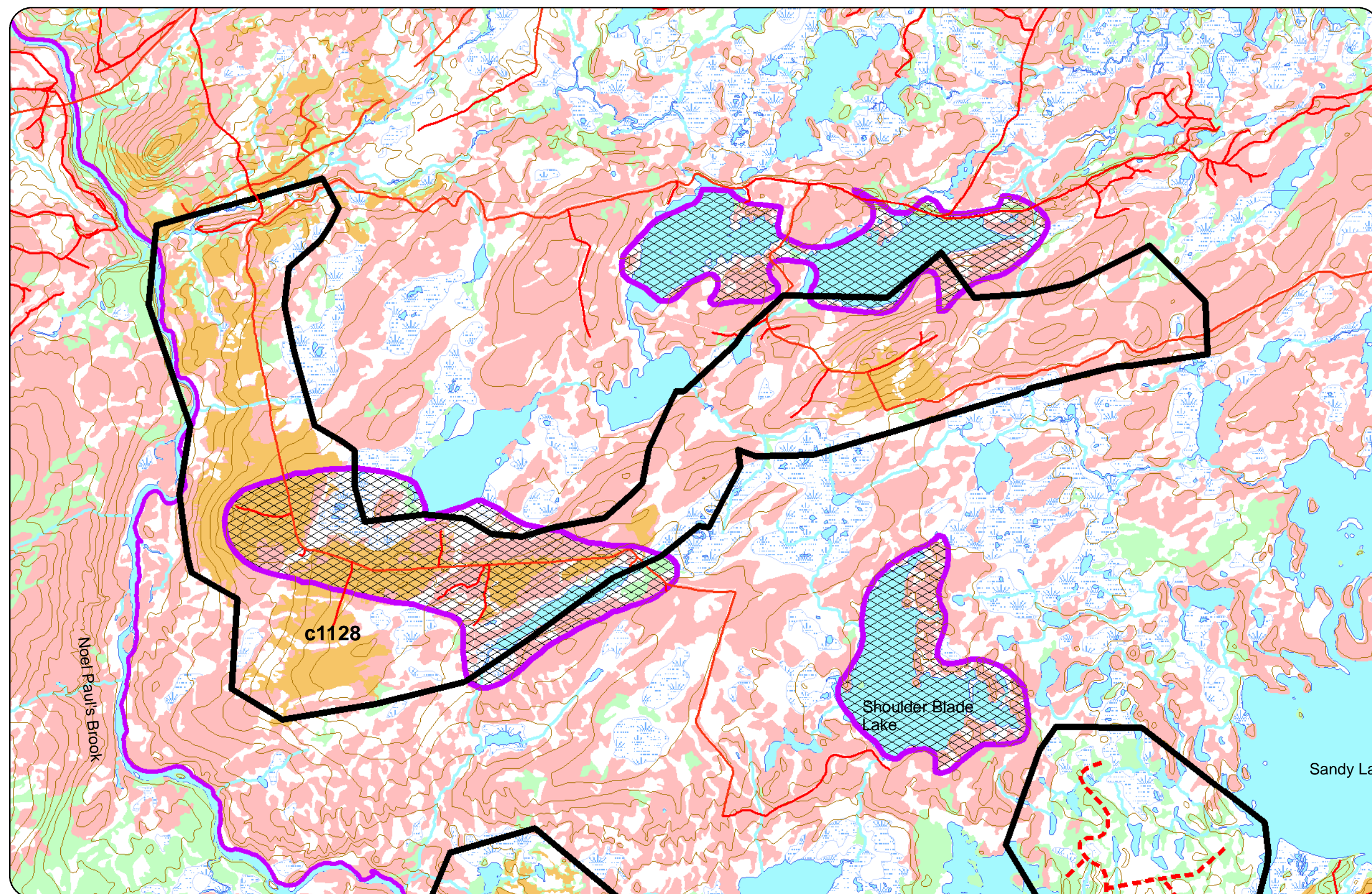
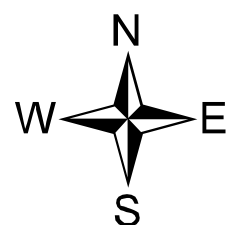


Five Year Plan (2011 - 2015)  
Forest Management District 11

Mill Pond - C1128

Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Cottage Development Areas



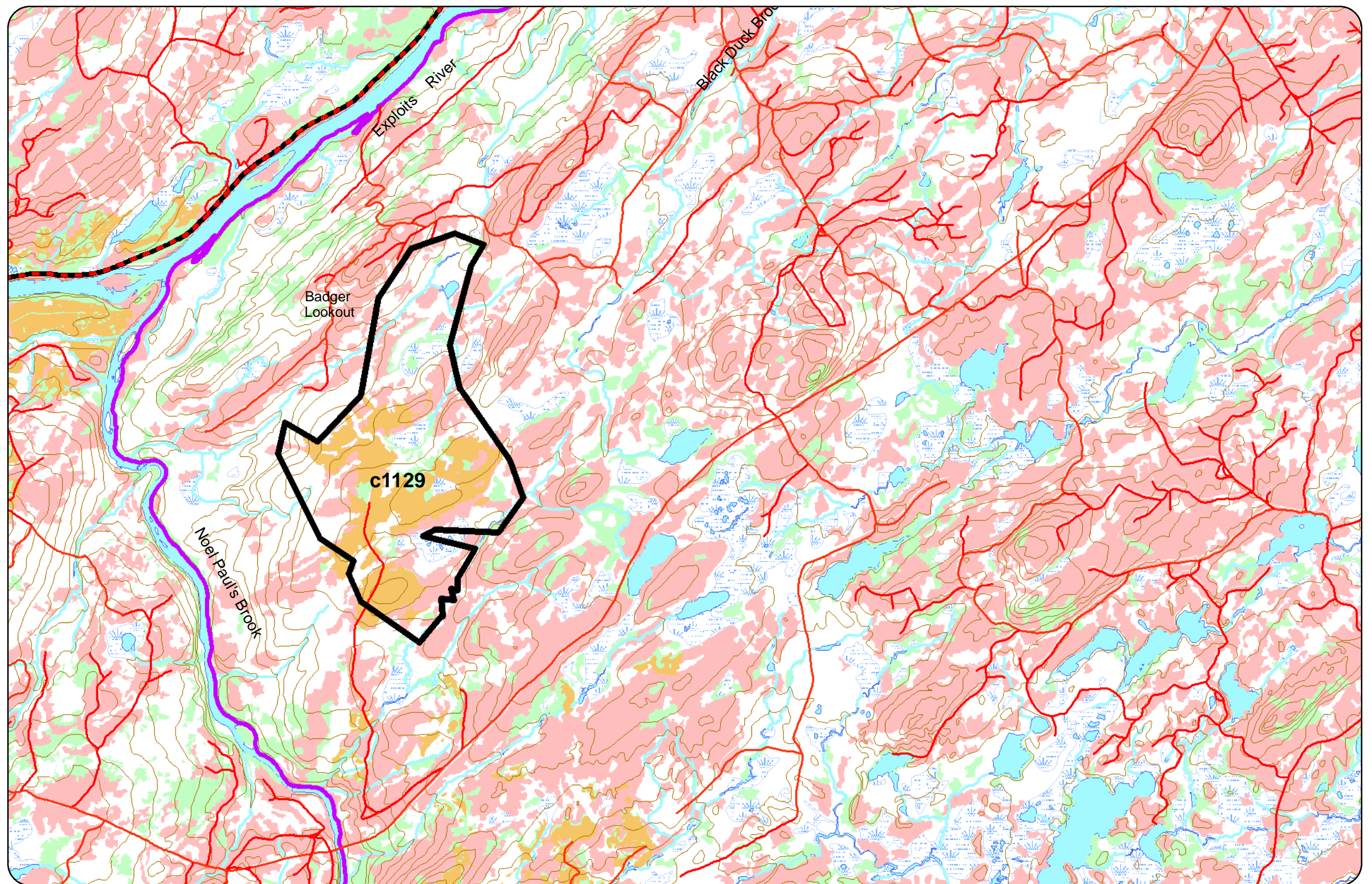
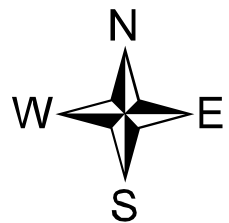
0 1,050 2,100 4,200 6,300 8,400 Meters

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## Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

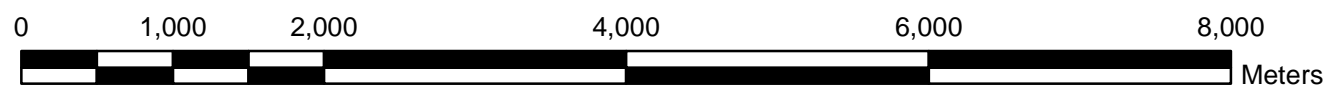
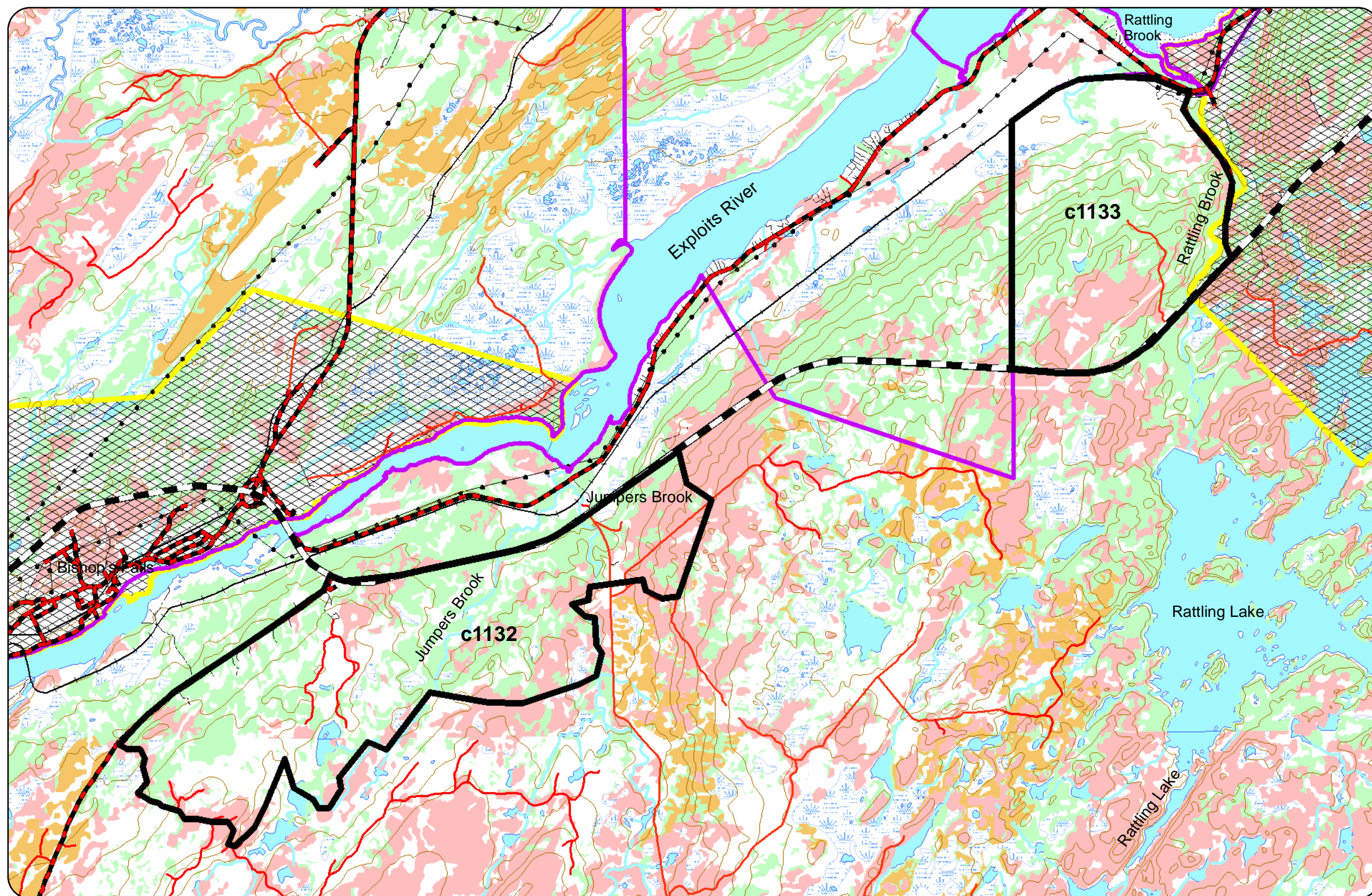
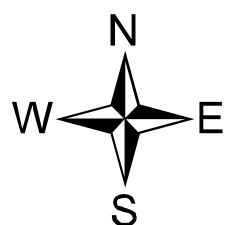


Five Year Plan (2011 - 2015)  
Forest Management District 11

Jumpers Brook - C1132  
Rattling Brook - C1133

### Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Municipal Boundary



1:50,000

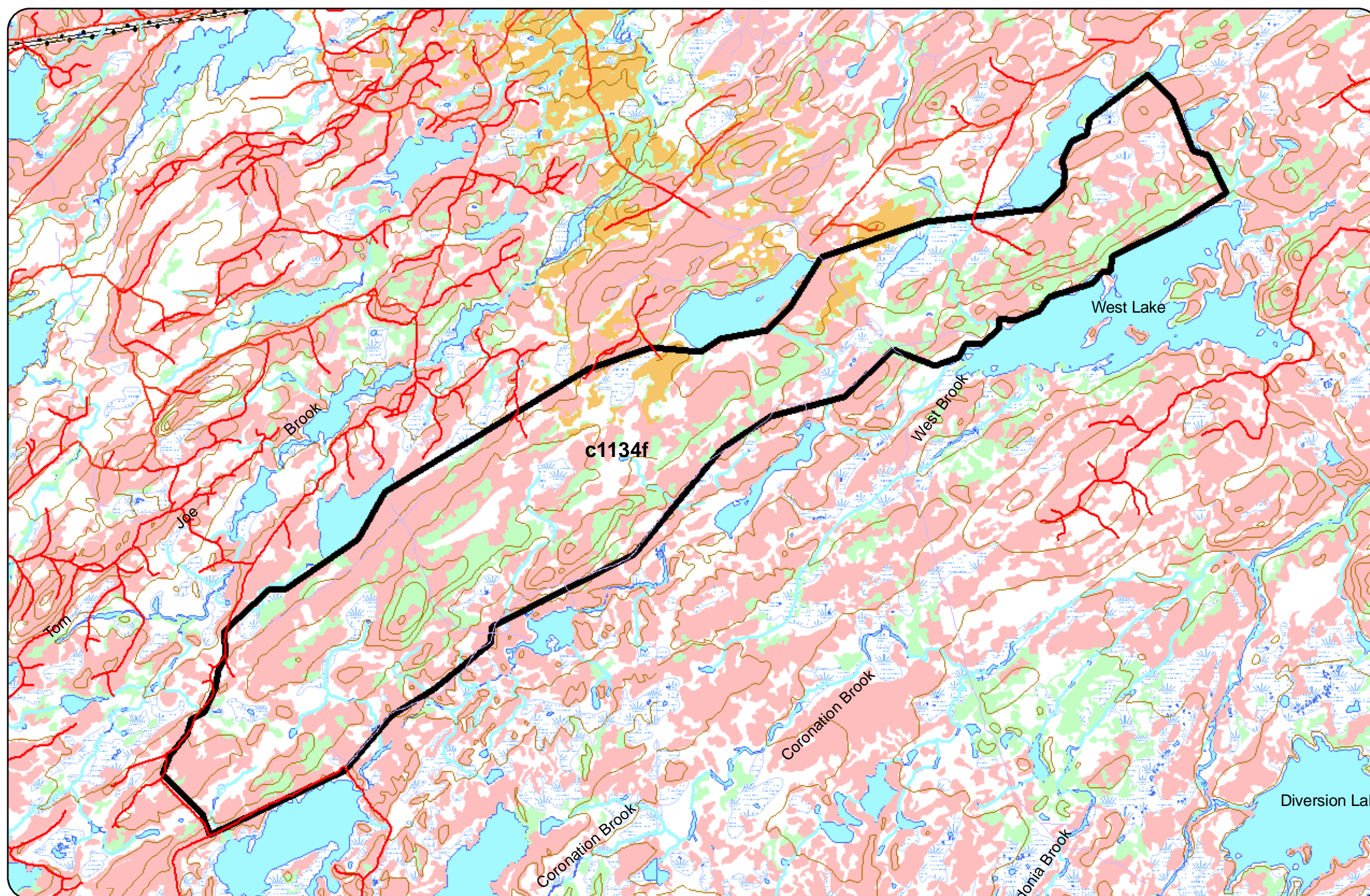
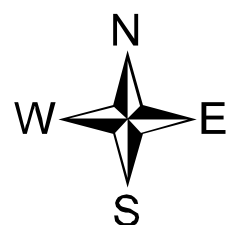


Five Year Plan (2011 - 2015)  
Forest Management District 10

West Lake - C1134f

### Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Municipal Boundary
- Protected Water Supplies



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

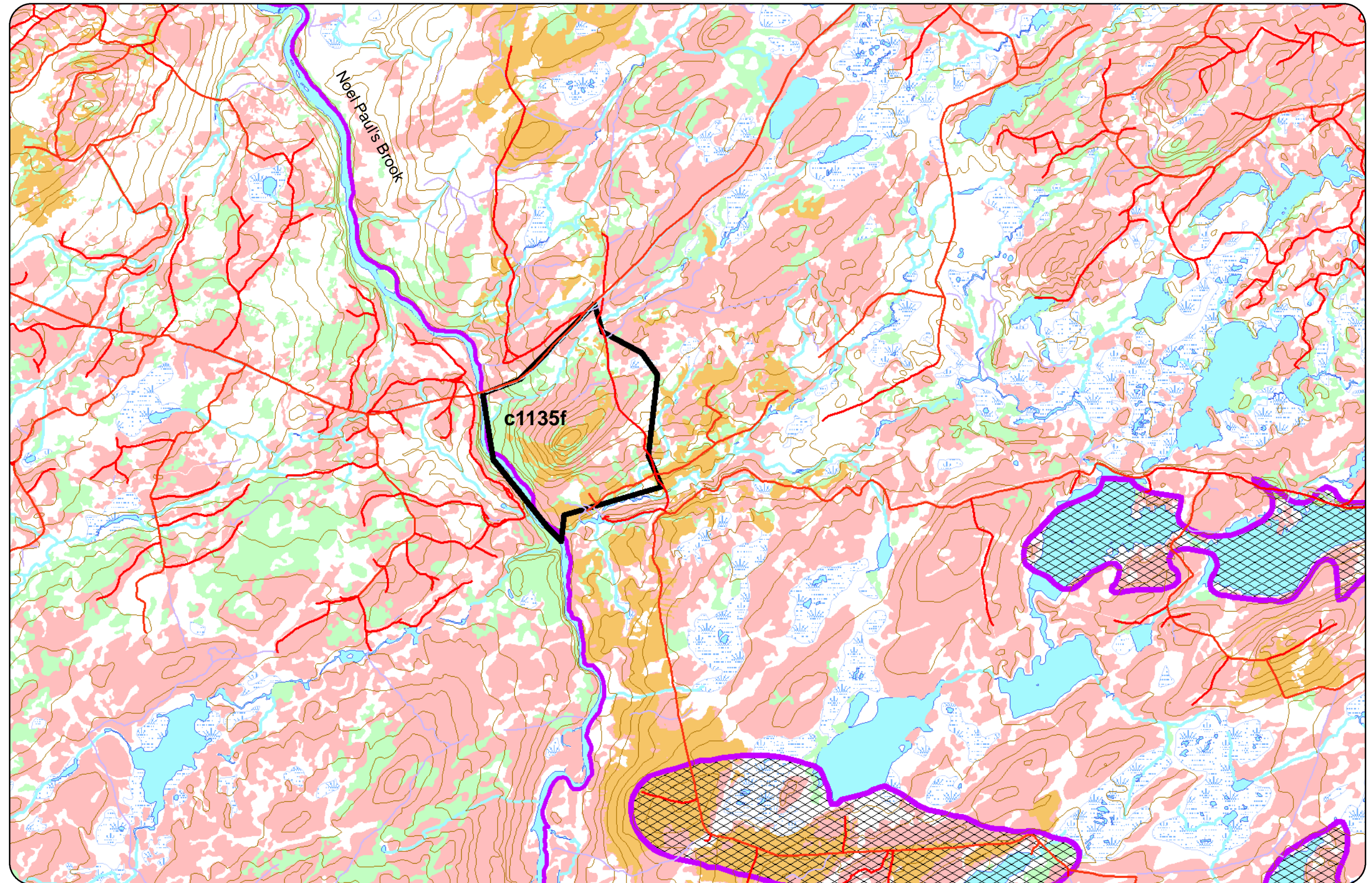
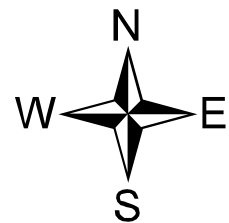


Five Year Plan (2011 - 2015)  
Forest Management District 10

Noel Paul - C1135f

## Legend

- Roads
- - - Proposed Roads
- contours
- ~ streams
- [Wetland Symbol] Wetlands
- [Waterbody Symbol] Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Municipal Boundary
- Cottage Development Areas



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

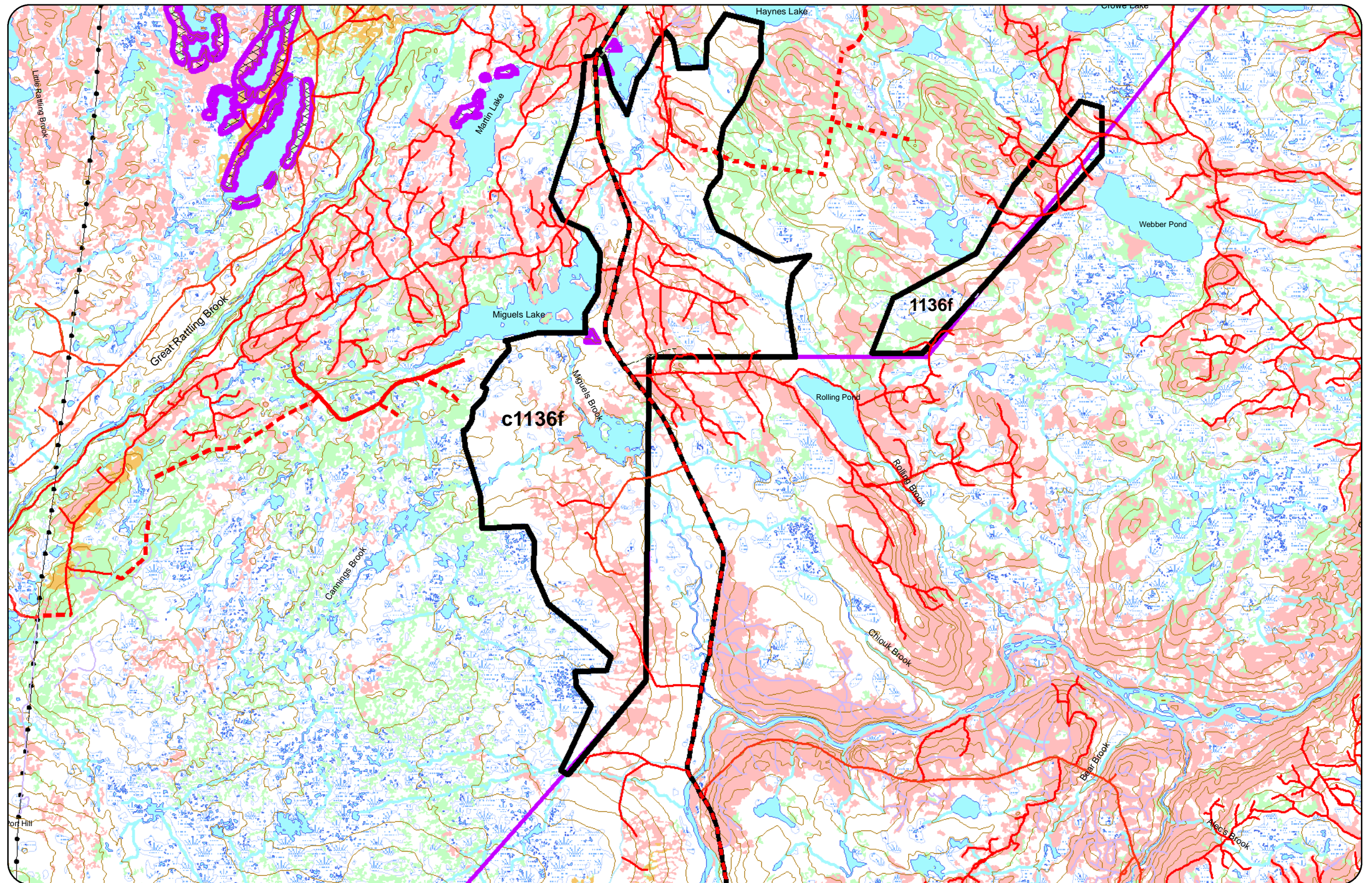
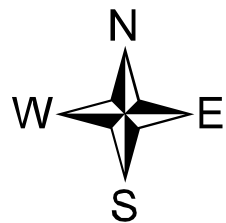


Five Year Plan (2011 - 2015)  
Forest Management District 10

Miguel Lake Burn - C1136f

## Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Municipal Boundary
- Cottage Development Areas



0 2,000 4,000 8,000 12,000 16,000 Meters

1:100,000

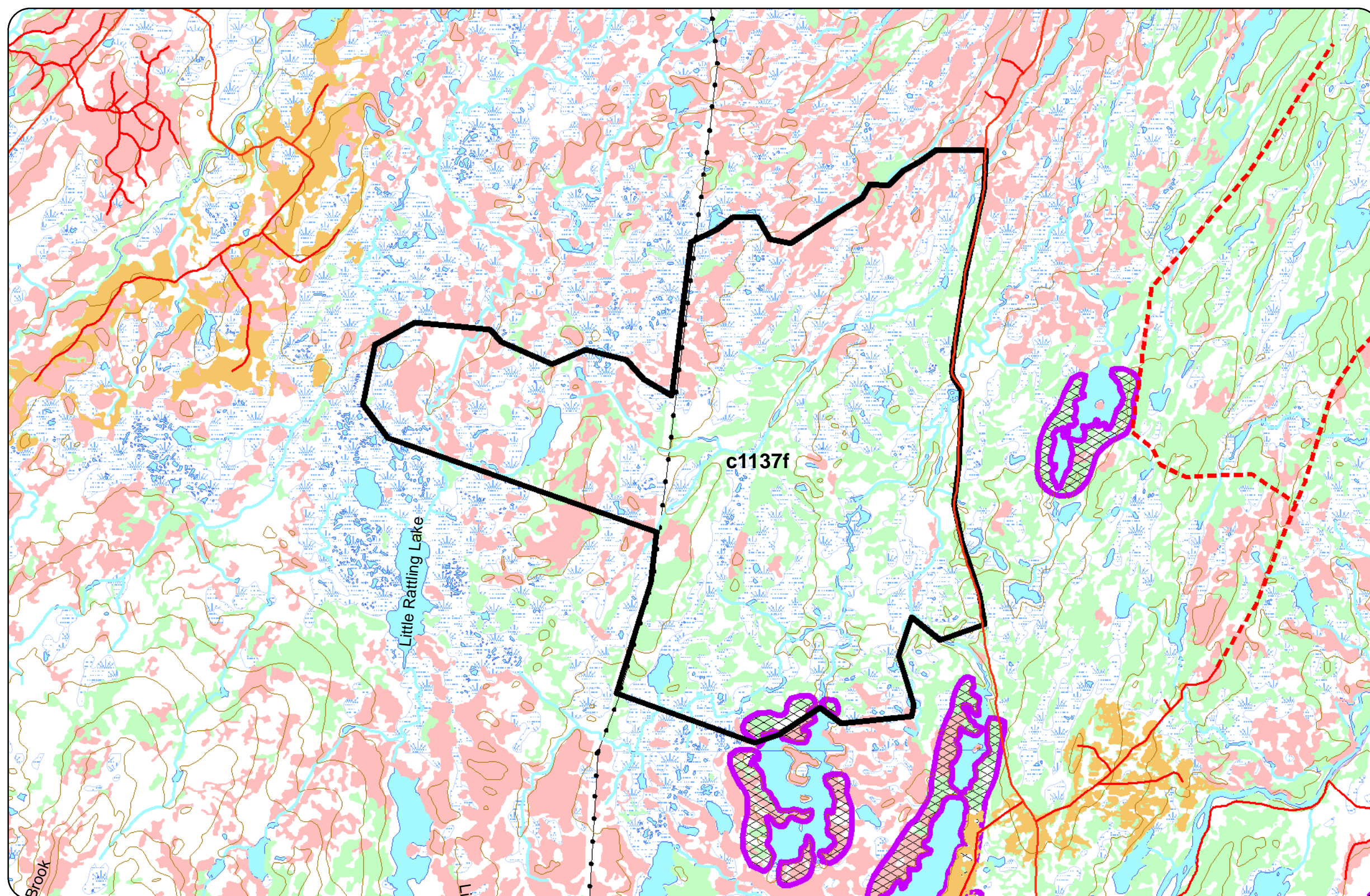
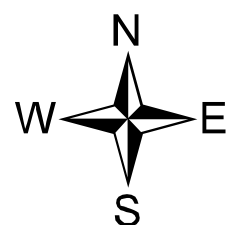


Five Year Plan (2011 - 2015)  
Forest Management District 10

Paradise Lake Burn - C1137f

## Legend

- Roads
- Proposed Roads
- contours
- streams
- Wetlands
- Waterbodies
- District Boundary
- Proposed Harvest Area
- Recent Cuts
- Mature
- Immature
- Municipal Boundary
- Protected Water Supplies
- Cottage Development Areas



0 1,000 2,000 4,000 6,000 8,000 Meters

1:50,000

<b>Operating Area Name:</b> North Great Rattling c1101	<b>Operating Area #:</b> c1101
<b>NFS Inventory Map #:</b> 8721, 8722	<b>NTS Map #:</b> 2D/12

### **Description of Area:**

This area of crown land is located near the southern end of forest management district (FMD) 11 and is bounded to the west by South Great Rattling Brook. It is accessed from the town of Grand Falls-Windsor via the Chipper and Sepepet forest access roads. This route also accesses proposed operating areas c1107 and c1106 which are adjacent to this operating area. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 67,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 1,300 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrades will be required to two stream crossings and 14 Km of existing roads.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other



rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> South Great Rattling	<b>Operating Area #:</b> c1102
<b>NFS Inventory Map #:</b> 8722, 8723	<b>NTS Map #:</b> 2D/12

### **Description of Area:**

This area of crown land is located to the west of Miguel Lake near the Southern boundary of forest management district (FMD) 11. It is adjacent to proposed operating areas c1102, c1103, c1104 and c1105 and accessed from the Bay d' Espoir highway (Route 360) via the Miguel Lake forest access road. The operating area is bounded by South Great Rattling Brook to the west and is comprised of rugged, wet and boggy terrain. It is located within the North Central Subregion of the Central Newfoundland Forest Ecoregion.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 27,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrades will be required to 5 Km of existing roads.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Beaver Pond	<b>Operating Area #:</b> c1103
<b>NFS Inventory Map #:</b> 8722, 8733	<b>NTS Map #:</b> 2D/12

### **Description of Area:**

This area of crown land is located to the west of Miguel Lake near the Southern boundary of forest management district (FMD) 11. It is adjacent to proposed operating areas c1104, c1102 and c1105 and accessed from the Bay d' Espoir highway (Route 360) via the Miguel Lake forest access road. Harvesting occurred in this operating area in 2006-07 by Abitibi-Bowater. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 21,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 400 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Approximately 2 Km of primary access road will be constructed that will require 3 proposed water course crossings. An additional 6 km of existing roads will be upgraded.

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### **Non Timber Considerations and Mitigations:**

An outfitter is established within this operating area. A no harvest buffer will be maintained around the outfitting camp and the route to access the area has been adjusted to accommodate the outfitter's concerns.



Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Great rattling c1104	<b>Operating Area #:</b> c1104
<b>NFS Inventory Map #:</b> 8722, 8723, 8733,8734	<b>NTS Map #:</b> 2D/12

### **Description of Area:**

This area of crown land is located to the west of Miguel Lake near the Southern boundary of forest management district (FMD) 11. It is adjacent to proposed operating areas c1103, c1102 and c1105 and accessed from the Bay d' Espoir highway (Route 360) via the Miguel Lake forest access road. Harvesting occurred in this operating area in 2006-07 by Abitibi-Bowater. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 38,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 700 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 2 km of primary access road constructed with 1 proposed water course crossing. 3 km of existing roads will be upgraded.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Miguel Lake c1105	<b>Operating Area #:</b> c1105
<b>NFS Inventory Map #:</b> 8733, 8734, 8744	<b>NTS Map #:</b> 2D/12

### **Description of Area:**

This area of crown land is located to the west of Miguel Lake near the Southern boundary of forest management district (FMD) 11. It is adjacent to proposed operating areas c1102, c1103, c1104 and c1105 and accessed from the Bay d' Espoir highway (Route 360) via the Miguel Lake forest access road. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 100,000 m3

Proposed 5 year commercial hardwood harvest: 2,000 m3

Proposed 5 year domestic softwood harvest: 500 m3

Proposed 5 year domestic hardwood harvest: 500 m3

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

9 km of primary road will be constructed that will require 4 stream crossings.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Sepepet Block 1	<b>Operating Area #:</b> c1106
<b>NFS Inventory Map #:</b> 8634, 8644	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located near the southern end of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Chipper and Sepepet forest access roads. This route also accesses proposed operating areas c1101, and c1107 which are adjacent to this operating area. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 20,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 400 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 8 km of operational road constructed with 2 proposed stream crossings.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Sepepet Block 2	<b>Operating Area #:</b> c1107
<b>NFS Inventory Map #:</b> 8731, 8732	<b>NTS Map #:</b> 2D/12

### **Description of Area:**

This area of crown land is located near the southern end of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Chipper and Sepepet forest access roads. This route also accesses proposed operating areas c1101, and c1106 which are adjacent to this operating area. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 18,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 300 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrades will be required to two stream crossings and 5km of existing roads.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Golden Gullies	<b>Operating Area #:</b> c1108
<b>NFS Inventory Map #:</b> 7523, 7533	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via a short access road off Chipper road. It is just south of proposed operating area c1130 and is bound to the west by a powerline. Approximately 12,000 m<sup>3</sup> was harvested from this operating area by Abitibi-Bowater under the 2003-07 five year operating plan. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 6000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 50 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 100 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 100 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be approximately 2 km of existing road upgraded.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other



rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Budgells Pond	<b>Operating Area #:</b> c1109
<b>NFS Inventory Map #:</b> 7523, 7533, 7534	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is located on the west side of Paradise Lake road and is adjacent to proposed operating area c1110. Approximately 18,000 m<sup>3</sup> have been harvested from this area since 2008. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 10,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 300 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 300 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 3 km of temporary road constructed.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other



rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Nugents Pond 1	<b>Operating Area #:</b> c1110
<b>NFS Inventory Map #:</b> 7523, 7524	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is located on the west side of Paradise Lake road and is adjacent to proposed operating area c1109. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 8,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 100 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 300 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 300 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrading will be required on approximately 3 km of existing road.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other



rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Luffs Pond 1	<b>Operating Area #:</b> c1111
<b>NFS Inventory Map #:</b> 7513, 7514, 8743, 8744	<b>NTS Map #:</b> 2D/12, 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is dissected by Paradise Lake road and is adjacent to proposed operating areas c1112, c1115, c1113, and c1114. Approximately 15,500 m<sup>3</sup> was harvested from this operating area by Abitibi-Bowater in 2007-08. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will range from pulpwood saw log and fuel wood harvesting using chainsaws and Mechanical harvesters with extraction by forwarder. There could be a small amount of domestic cutting activity which occurs in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 56,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 2 km of primary road constructed.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Luffs Pond 2	<b>Operating Area #:</b> c1112
<b>NFS Inventory Map #:</b> 7514	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is located on the East side of Paradise Lake road and is adjacent to proposed operating areas c1111, c1115, c1113, and c1114. Great Rattling Brook runs along the southern and eastern boundaries of the operating area. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 24,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 5 km of primary road constructed with two proposed stream crossings.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other



rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Luffs Pond 3	<b>Operating Area #:</b> c1113
<b>NFS Inventory Map #:</b> 7513, 7514, 7524	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is located on the East side of Paradise Lake road and is adjacent to proposed operating areas c1112, c1114, c1111, and c1115. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 67,000 m<sup>3</sup>  
Proposed 5 year commercial hardwood harvest: 4,000 m<sup>3</sup>  
Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>  
Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 5.5 km of primary road constructed with 2 proposed water crossings.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other



rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Great Rattling West 1	<b>Operating Area #:</b> c1114
<b>NFS Inventory Map #:</b> 7524	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is located on the East side of Paradise Lake road and is adjacent to Great Rattling Brook as well as proposed operating areas c1111, c1112, c1113, and c1115. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 10,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 3.5 km of primary road constructed that will consist of 2 proposed stream crossings.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Great Rattling West 2	<b>Operating Area #:</b> c1115
<b>NFS Inventory Map #:</b> 7524	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is located on the East side of Paradise Lake road and is adjacent to Great Rattling Brook as well as proposed operating areas c1111, c1112, c1113, and c1114. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 800 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 50 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 100 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 100 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 3 km of primary access road constructed.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.



<b>Operating Area Name:</b> Rushy Pond	<b>Operating Area #:</b> c1116
<b>NFS Inventory Map #:</b> 7514, 8744	<b>NTS Map #:</b> 2D/13, 2D/12

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor near the south east end of forest management district (FMD 11). It is accessed from the Bay d' Espoir highway (Route 360) via the Martin Lake forest access road. The operating area is bounded in the south by Martin Lake and by Great Rattling Brook in the North. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 11,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrades will be required to 2 Km of existing roads and 1 stream crossing.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Cannings Lake	<b>Operating Area #:</b> c1117
<b>NFS Inventory Map #:</b> 7514, 7611, 8744	<b>NTS Map #:</b> 2D/13, 2D/12 2D/14

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor near the south east end of forest management district (FMD) 11 and is accessed from the Bay d' Espoir highway (Route 360). The operating area is bounded by Haynes Lake in the South. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 34,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 5,000 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 4 km of primary access road constructed that will require 2 stream crossings.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.



There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Haynes Lake	<b>Operating Area #:</b> c1118
<b>NFS Inventory Map #:</b> 7611, 8841	<b>NTS Map #:</b> 2D/14, 2D/11

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor near the south east end of forest management district (FMD) 11 and is accessed from the Bay d' Espoir highway (Route 360). The operating area is bounded by Haynes Lake in the North. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 42,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 5,000 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

11.3 Km of new primary road will be constructed that will require 7 proposed stream crossings. An additional 2.1 Km of road upgrading will be required.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> 20 mile	<b>Operating Area #:</b> c1119
<b>NFS Inventory Map #:</b> 7524	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed via the Bay d'Espoir (Route 360) 20 kilometers south of the TCH (Route 1). This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 400 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 20 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 50 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 50 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

The area will be accessed with a temporary road off the Bay D'Espoir Highway with one proposed stream crossing.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Tote Lake	<b>Operating Area #:</b> c1121
<b>NFS Inventory Map #:</b> 7621	<b>NTS Map #:</b> 2D/14

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the Bay d' Espoir highway (Route 360) via the Sunday Pond forest access road and is bounded to the east and south by Tote Brook. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 2,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 50 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 100 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 100 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be approximately 8 km of existing road upgrades.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle



or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Arthur's Lake	<b>Operating Area #:</b> c1121
<b>NFS Inventory Map #:</b> 7621	<b>NTS Map #:</b> 2D/14

### **Description of Area:**

This area of crown land is located south of Grand Fall's-Windsor within forest management district (FMD) 11. It is accessed from the Bay d' Espoir highway (Route 360) via the Sunday Pond forest access road. The operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 3,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 100 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 50 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 50 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

1 Km of new secondary road will be constructed and upgrades will be completed on approximately 2 Km of existing roads.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other

rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Sunday Pond	<b>Operating Area #:</b> c1122
<b>NFS Inventory Map #:</b> 7521, 7524,7631	<b>NTS Map #:</b> 2D/13, 2D/14

### **Description of Area:**

This area of crown land is located south of Grand Fall's-Windsor within forest management district (FMD) 11. It is accessed from the Bay d' Espoir highway (Route 360) via the Sunday Pond forest access road. The western boundary of the proposed operating area is bounded by the Bay d' Espoir highway. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 43,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 1,000 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be an upgrade of approximately 10 km of existing road to access the area with. 2 proposed stream crossings.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Patchy Pond	<b>Operating Area #:</b> c1123
<b>NFS Inventory Map #:</b> 8634, 8644	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located on the south western boundary of district 11. It is accessible from behind the southern part of Grand Falls across Exploits River onto Chipper road. Areas c1123, c1124, c1125, c1126 and c1127 are all in the vicinity of Sandy lake area and are all accessible by the same access route. Area c1123 is located on the north side of chipper road; its western proposed cutting boundary is Sandy Lake. Cutting activity took place in this area by Abitibi-Consolidated under the 2003 to 2007 five year operating plan. Approximately 13,000 m3 has been harvested from this area. This portion of the district has rolling terrain. The area is located in the Grand Fall Windsor Sub region of the Central Newfoundland Forest Ecoregion.

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### **Harvesting Activities:**

Commercial activity will range from pulpwood saw log and fuel wood harvesting using chainsaws and Mechanical harvesters with extraction by forwarder. There could be a small amount of domestic cutting activity which occurs in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 13,000 m3

Proposed 5 year commercial hardwood harvest: 300 m3

Proposed 5 year domestic softwood harvest: 100 m3

Proposed 5 year domestic hardwood harvest: 100 m3

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

8.1 km of new road will be constructed that will require 5 water crossings. The existing patchy valley road will also require upgrades.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 30 m buffer will be maintained on both side of any other



rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trail way.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within a protect water supply there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the maim river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Sandy Lake	<b>Operating Area #:</b> c1124
<b>NFS Inventory Map #:</b> 8644	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located on the south western boundary of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Chipper forest access road. Operating areas c1123, c1124, c1125, c1126 and c1127 are all in the vicinity of Sandy lake area and are all accessed by Chipper road. Area c1124 is located on the north side of chipper road; its eastern boundary is Sandy Lake. This operating area is within the Red Indian Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 19,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 400 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be 7 km of secondary road constructed with 1 proposed stream crossing.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Pistol Lake 1	<b>Operating Area #:</b> c1125
<b>NFS Inventory Map #:</b> 8634	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located on the south western boundary of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Chipper forest access road. Operating areas c1123, c1124, c1125, c1126 and c1127 are all in the vicinity of Sandy lake area and are all accessed by Chipper road. Operating Area c1125 is located on the south side of chipper road; its northern and western boundary is Pistol Lake. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 4,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 100 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 100 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be approximately 1 km of upgrades to existing roads.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Pistol Lake 2	<b>Operating Area #:</b> c1126
<b>NFS Inventory Map #:</b> 8634	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located on the south western boundary of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Chipper forest access road. Operating areas c1123, c1124, c1125, c1126 and c1127 are all in the vicinity of Sandy lake area and are all accessed by Chipper road. Area c1126 is located on the south side of chipper road; it is bound to the north by Pistol Lake. Some harvesting activity took place in this area by Abitibi-Bowater under the 2003 to 2007 five year operating plan. Approximately 18,000 m3 of fibre was harvested from this area. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 6000 m3

Proposed 5 year commercial hardwood harvest: 100 m3

Proposed 5 year domestic softwood harvest: 200 m3

Proposed 5 year domestic hardwood harvest: 200 m3

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

6.4 km of new road will be constructed that will require 2 water crossings. There will be approximately 3 km of upgrades on existing roads.

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### **Non Timber Considerations and Mitigations:**



Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Trappers	<b>Operating Area #:</b> c1127
<b>NFS Inventory Map #:</b> 8633	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located on the south western boundary of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Chipper forest access road. Operating areas c1123, c1124, c1125, c1126 and c1127 are all in the vicinity of Sandy lake area and are all accessed by Chipper road. Area c1127 is located on the north side of chipper road; its southern and western proposed boundary is the FMD 11 boundary. Some harvesting activity took place in this area by Abitibi-Bowater under the 2003 to 2007 five year operating plan. Approximately 10,000 m<sup>3</sup> of fibre was harvested from this area. This operating area is within the Red Indian Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 17,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 300 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be approximately 3 km of upgrade on existing road with 1 proposed stream crossing.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Mill Pond	<b>Operating Area #:</b> c1128
<b>NFS Inventory Map #:</b> 8642, 8643,8644	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located adjacent to Noel Paul Brook on the south western boundary of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Sandy Lake forest access road. Some harvesting activity took place in this area by Abitibi-Bowater from 2003-2008. Approximately 58,000 m<sup>3</sup> of age class 3 PCT treated stands were harvested from the area. This operating area is within the Red Indian Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 8,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrades will be required on approximately 15 Km of existing roads.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Noel Paul	<b>Operating Area #:</b> c1129
<b>NFS Inventory Map #:</b> 8642, 8643,8644	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located just east of Noel Paul Brook and just south of the Exploit's River along the south western boundary of forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Sandy Lake forest access road. Some harvesting activity took place in this area by Abitibi-Bowater from 2003-2008. Approximately 12,000 m<sup>3</sup> of softwood was harvested from this area. An additional 1000 m<sup>3</sup> of hardwood was harvested from the area during 2009. This operating area is within the Red Indian Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 4,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 2,000 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrades will be required to approximately 2 km of existing road.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other

rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Seacat Pond	<b>Operating Area #:</b> c1130
<b>NFS Inventory Map #:</b> 7523, 7533	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via a short access road off Chipper road. It is just north of proposed operating area c1108 and is bound to the east by a powerline. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 2,000 m3

Proposed 5 year commercial hardwood harvest: 100 m3

Proposed 5 year domestic softwood harvest: 100 m3

Proposed 5 year domestic hardwood harvest: 100 m3

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

Upgrading will be required on approximately 1 km of existing roads.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle

or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Jumpers Brook	<b>Operating Area #:</b> c1132
<b>NFS Inventory Map #:</b> 6411	<b>NTS Map #:</b> 2E/3

### **Description of Area:**

This area of crown land is located near the south east boundary of forest management district (FMD) 11. The operating area is bound by the TCH to the North and the Bay d'Espoir Highway to the west. It is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 35,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 2,500 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

None.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the

remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Rattling Brook	<b>Operating Area #:</b> c1133
<b>NFS Inventory Map #:</b> 6412, 6422	<b>NTS Map #:</b> 2E/3

### **Description of Area:**

This area of crown land is located on the south east boundary of forest management district (FMD) 11. It is accessed from the north side of the TCH (Route 1) just west of the Sandy Point/Norris Arm turnoff. The operating area is bound by the TCH, the Norris Arm South/Sandy Point highway and the FMD 11 boundary. Commercial harvesting has been ongoing in this area since 2009 with approximately 10,000 m<sup>3</sup> harvested to date. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 22,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 5,000 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

A temporary road will be built by the contractor.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other

rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Kennedy's Pond	<b>Operating Area #:</b> c1134
<b>NFS Inventory Map #:</b> 8744	<b>NTS Map #:</b> 2D/12

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor near the south east end of forest management district (FMD 11). It is accessed from the Bay d' Espoir highway (Route 360) via the Martin Lake forest access road. The operating area is bounded in the south by Martin Lake and by Great Rattling Brook in the North. This operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV.

Proposed 5 year commercial softwood harvest: 16,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 300 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 200 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 200 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There will be approximately 3.5 km of existing road upgraded.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be analyzed on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> West Lake	<b>Operating Area #:</b> c1134F
<b>NFS Inventory Map #:</b> 7424, 7521, 7531	<b>NTS Map #:</b> 12A/16, 2D/13

### **Description of Area:**

This area of crown land is located on the western boundary of forest management district (FMD) 11 and is bounded by Noel Paul Brook. It is accessed from Grand Falls-Windsor via the Sandy Lake forest access road. West Lake is located near the south-east boundary of the operating area and Leonard's Lake is located on the north side. The area consists of mainly overmature white birch with a mixture of softwoods. The operating area is within the Red Indian Subregion of the Central Newfoundland Ecoregion with gentle rolling terrain.

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### **Harvesting Activities:**

This area will be evaluated to determine the value of the birch within the area. Based upon the assessment, some of the area may be harvested for birch sawlogs and fuelwood. Areas may be also be set aside for birch sap tapping if deemed viable.

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV. It will primarily be a salvage operation for fuel wood but any remaining pulpwood and sawlogs will be utilized where possible.

Proposed 5 year commercial softwood harvest: 5,000 m<sup>3</sup>  
Proposed 5 year commercial hardwood harvest: 10,000 m<sup>3</sup>  
Proposed 5 year domestic softwood harvest: 500 m<sup>3</sup>  
Proposed 5 year domestic hardwood harvest: 500 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There may be some up grading on existing roads but no construction of primary roads for this area.

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**Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Noel Paul	<b>Operating Area #:</b> c1135F
<b>NFS Inventory Map #:</b> 8642, 8643	<b>NTS Map #:</b> 12A/9

### **Description of Area:**

This area of crown land is located on the western boundary of forest management district (FMD) 11 and is bounded by Noel Paul Brook. It is accessed from Grand Falls-Windsor via the Sandy Lake forest access road. Past commercial harvesting operations have removed the majority of softwood within the operating area. The remaining timber consists primarily of overmature birch and mixedwood stands. The operating area is within the Red Indian Subregion of the Central Newfoundland Ecoregion with gentle rolling terrain.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV. It will primarily be a salvage operation for fuel wood but any remaining pulpwood and sawlogs will be utilized where possible.

Proposed 5 year commercial softwood harvest: 1,000 m3

Proposed 5 year commercial hardwood harvest: 2,500 m3

Proposed 5 year domestic softwood harvest: 100 m3

Proposed 5 year domestic hardwood harvest: 100 m3

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There may be some up grading on existing roads but no construction of primary roads for this area.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Miguel Lake Burn	<b>Operating Area #:</b> c1136F
<b>NFS Inventory Map #:</b> 8724, 8734, 8841, 8842	<b>NTS Map #:</b> 2D/11, 2D/12

### **Description of Area:**

This area of crown land is located to the east of Miguel Lake near the Southern boundary of forest management district (FMD) 11. The area is accessed by the Bay d'Espoir highway (Route 360) that runs through the centre of the operating area. A forest fire occurred in 1986 that destroyed most of the standing timber. Salvage operations primarily for fuelwood have been on going in this area since the fire. The operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV. It will primarily be a salvage operation for fuel wood (burnt timber) but any remaining pulpwood and sawlogs will be utilized where possible.

Proposed 5 year commercial softwood harvest: 15,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 2,500 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 300 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 300 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

None.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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<b>Operating Area Name:</b> Paradise Lake Burn	<b>Operating Area #:</b> c1137F
<b>NFS Inventory Map #:</b> 7513	<b>NTS Map #:</b> 2D/13

### **Description of Area:**

This area of crown land is located south of Grand Falls-Windsor within forest management district (FMD) 11. It is accessed from the town of Grand Falls-Windsor via the Paradise Lake forest access road. The operating area is intersected by a transmission line and bound to the east by the Paradise Lake forest access road. A forest fire occurred in the area in 19xx that destroyed most of the forest stands. Salvage operations primarily for fuelwood have been on going in this area since that time. The operating area is within the North Central Subregion of the Central Newfoundland Ecoregion and the terrain is generally rolling.

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### **Harvesting Activities:**

Commercial activity will include pulpwood, sawlog and fuelwood harvesting using chainsaws and mechanical harvesters with extraction by forwarder. Some tree length timber on steep slopes may be harvested using skidders. A small amount of domestic harvesting could occur once commercial harvesting is completed. This would likely occur in the winter using chainsaws with extraction by snowmobile or ATV. It will primarily be a salvage operation for fuel wood (burnt timber) but any remaining pockets (remnants) of pulpwood and sawlogs will be utilized where possible.

Proposed 5 year commercial softwood harvest: 15,000 m<sup>3</sup>

Proposed 5 year commercial hardwood harvest: 2,500 m<sup>3</sup>

Proposed 5 year domestic softwood harvest: 300 m<sup>3</sup>

Proposed 5 year domestic hardwood harvest: 300 m<sup>3</sup>

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### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regenerating stands to determine the need for planting and/or thinning. Suitable cutovers that are not satisfactorily regenerated will be candidates for site preparation and planting and/or gap planting and suitable regenerating stands will be candidates for thinning. All potential silviculture areas are identified on the operating area maps as proposed harvest areas, recent cuts and immature stands.

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### **Primary Forest Access Road Construction:**

There may be some up grading on existing roads but no construction of primary roads for this area.

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### **Non Timber Considerations and Mitigations:**

Scheduled Salmon Rivers will be evaluated on a site-by-site basis and buffers will vary in width from 30 -100 meters. A 20 m buffer will be maintained on both sides of any other rivers, brook, ponds or other water bodies that are shown on 1:50,000 Topographic maps. There will be no cutting within 100 meters of Newfoundland Trailway.

There will be no cutting within 100 meters of a cabin development area and 20 meters of a registered legal cabin. No forestry activity is to occur within 800 meters of a bald eagle or osprey nest during the nesting season (Mar 15 to July 31) and 200 meters during the remainder of the year. Within protected water supplies, there will be no cutting within 150 meters of the intake pond or stream and no cutting within 75 meters of the main river channel. There will be no cutting within 50 meters of all ponds and streams flowing into the intake pond or stream.

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