

<b>Operating Area Name:</b> Fleighers	<b>Operating Area #</b> CC04001
<b>NFS Inventory Map #:</b> 7713, 7712, 8942, 8943	<b>NTS Map #:</b> 2D/15, 2D/10

**Description of Area:**

This area of crown land is located in West of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road; it is located on the west side of North Pond. The terrain varies from gentle to rolling. The merchantable forest stands are comprised of 99% pure black spruce, and 1% pure balsam fir. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 1,848 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 1,848 m<sup>3</sup>

Proposed Hardwood Volume: 0 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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**Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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**Primary Forest Access Road Construction:**

No access road construction is proposed.

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**Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Camp Ten</b>	<b>Operating Area # CC04002</b>
<b>NFS Inventory Map #: 8942, 8943</b>	<b>NTS Map #: 2D/10</b>

#### **Description of Area:**

This area of crown land is located in west of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road; it is located on the west side of North Pond and south of CC04001 (Fleighers). The district boundary between FMD4 and FMD6 is the western boundary of this block. The terrain varies from hilly to rough. The merchantable forest stands are comprised of 100% pure black spruce. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 2991 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 2991 m<sup>3</sup>

Proposed Hardwood Volume: 80 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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#### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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

No access road construction is proposed.

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#### **Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Pine Brook</b>	<b>Operating Area # CC04003</b>
<b>NFS Inventory Map #: 9031</b>	<b>NTS Map #: 2D/9 Glovertown</b>

**Description of Area:**

This area of crown land is located west of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road. It is located along the Pine Brook Resource Road south of North Pond and North of Gambo Pond. The terrain varies from gentle to rolling. The merchantable forest stands are comprised of 100% pure black spruce. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 161 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 6,500 m<sup>3</sup>

Proposed Hardwood Volume: 100 m<sup>3</sup>

Difference from Inventory to Proposed Volume: N/A

Rationale for Difference: Inventory discrepancy due to land base classification.

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**Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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**Primary Forest Access Road Construction:**

Access road construction in this area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mineral Land Division.

Proposed 5 year access road construction: 1 km

Proposed 5 year stream crossings: 0

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**Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name:</b> Triton South	<b>Operating Area #</b> CC04004
<b>NFS Inventory Map #:</b> 8923	<b>NTS Map #:</b> 2D/10 – Dead Wolf Pond

#### **Description of Area:**

This area of crown land is located in west of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road and River Head Resource Road; it is located south of Triton Brook. The terrain varies from hilly to steep and rugged. The merchantable forest stands are comprised of 60% pure black spruce, 1% pure balsam fir, 9% white birch, 2% larch with 17% making up hardwood dominated mixed and 11% softwood dominated mixed. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 49,495 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 23,000 m<sup>3</sup>

Proposed Hardwood Volume: 9,273 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 54%

Rationale for Difference: Inventory adjustments and harvesting constraints.

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#### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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

Access road construction in this area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mineral Land Division.

Proposed 5 year access road construction: 1 km

Proposed 5 year stream crossings: none

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#### **Non timber Considerations and Mitigations:**

Consultations occurred in the previous 5-year plan with FABEC with respect to the protection of the freshwater fishery resource. The Forest Services Branch has agreed to the following mitigation for this operating area:

1. A 100 meter buffer must be maintained on Triton Brook south.

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Dennis Brook</b>	<b>Operating Area # CC04005</b>
<b>NFS Inventory Map #: 8813, 8814, 8823, 8824</b>	<b>NTS Map #: 2D/11</b>

**Description of Area:**

This area of crown land is located southwest of Glenwood and is accessed from the TCH (Route 1) via the Northwest Gander Forest Resource Road. It is located south of Caribou Lake and the northern and western boundary of this block forms the boundary between Forest Management Districts 4 and 6. The terrain varies from rolling to hilly. The merchantable forest stands are comprised of 100% pure black spruce. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 12,405 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 12,405 m<sup>3</sup>

Proposed Hardwood Volume: 130 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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**Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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**Primary Forest Access Road Construction:**

Access road construction in this area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mineral Lands Branch.

Proposed 5 year access road construction: 4.0 km

Proposed 5 year access road reconstruction: 1 km

Proposed 5 year stream crossings: 0

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**Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Southwest Brook A</b>	<b>Operating Area # CC04006a</b>
<b>NFS Inventory Map #: 8814, 10144</b>	<b>NTS Map #: 2D/11, 2D/6</b>

#### **Description of Area:**

This area of crown land is located southwest of Glenwood and is accessed from the TCH (Route 1) via the Northwest Gander Forest Resource Road. It is located south of Caribou Lake. It is adjacent to area C0405 (Dennis Brook). The terrain varies from rolling to hilly. The merchantable forest stands are comprised of 100% pure black spruce. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 54,267 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 15,720 m<sup>3</sup>

Proposed Hardwood Volume: 200 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 71%

Rationale for Difference: Inventory adjustments and harvesting constraints.

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#### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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

Access road construction in this area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mineral Land Branch.

Proposed 5 year access road construction: 1.0 km

Proposed 5 year access road reconstruction: 13.9 km

Proposed 5 year stream crossings: 0

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#### **Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Southwest Brook B</b>	<b>Operating Area # CC04006b</b>
<b>NFS Inventory Map #: 8814, 8911, 10144, 10241</b>	<b>NTS Map #: 2D/11, 2D/10, 2D/6, 2D/7</b>

#### **Description of Area:**

This area of crown land is located southwest of Glenwood and is accessed from the TCH (Route 1) via the Northwest Gander Forest Resource Road. It is located south of Caribou Lake. It is adjacent to area CC04005 (Dennis Brook). The terrain varies from rolling to hilly. The merchantable forest stands are comprised of 100% pure black spruce. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 17,084 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 17,084 m<sup>3</sup>

Proposed Hardwood Volume: 0 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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#### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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

Access road construction in this area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mines Branch of the Department of Natural Resources.

Proposed 5 year access road construction: 6.1 km

Proposed 5 year access road reconstruction: 14.3 km

Proposed 5 year stream crossings: 4

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#### **Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Southwest Brook C</b>	<b>Operating Area # CC4006C</b>
<b>NFS Inventory Map #: 8814, 8911, 8921</b>	<b>NTS Map #: 2D/10, 2D/11</b>

#### **Description of Area:**

This area of crown land is located southwest of Glenwood and is accessed from the TCH (Route 1) via the Northwest Gander Forest Resource Road. It is located south of Caribou Lake. It is adjacent to area CC04005 (Dennis Brook). The terrain varies from rolling to hilly. The merchantable forest stands are comprised of 99% pure black spruce, and 1% pure balsam fir. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 34,110 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 34,110 m<sup>3</sup>

Proposed Hardwood Volume: 0 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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#### **Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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

Access road construction in this area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mines Branch of the Department of Natural Resources.

Proposed 5 year access road construction: 15.8 km Operational Resource Road

Proposed 5 year stream crossings: 5

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#### **Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Deadwolf</b>	<b>Operating Area # CC04008</b>
<b>NFS Inventory Map #: 8932</b>	<b>NTS Map #: 2D10 Dead Wolf Pond</b>

**Description of Area:**

This area of crown land is located in west of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road; it is located south of Deadwolf Pond. The merchantable forest stands are comprised of 95% pure black spruce, 4% balsam fir with 1% making up both softwood dominated and hardwood dominated mixed. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 6,410 m<sup>3</sup>

Inventory Hardwood Volume: 0 m<sup>3</sup>

Proposed Softwood Volume: 6,410 m<sup>3</sup>

Proposed Hardwood Volume: 100 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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**Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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**Primary Forest Access Road Construction:**

Proposed 5 year access road construction: 1 km

Proposed 5 year stream crossings: 0

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**Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Rocky Brook</b>	<b>Operating Area # CC04009</b>
<b>NFS Inventory Map #: 8924</b>	<b>NTS Map #: 2D/10 Dead Wolf Pond</b>

**Description of Area:**

This area of crown land is located west of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road; it is located on the south side of Gambo Pond. The terrain varies from hilly to rough. The merchantable forest stands are comprised of 95% pure black spruce, 4% pure balsam fir and 1% white birch. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 1,060 m<sup>3</sup>

Inventory Hardwood Volume: m<sup>3</sup>

Proposed Softwood Volume: 1,060 m<sup>3</sup>

Proposed Hardwood Volume: 40 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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**Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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**Primary Forest Access Road Construction:**

No access road construction is proposed.

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**Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name: Masons Pond</b>	<b>Operating Area # CC04010</b>
<b>NFS Inventory Map #: 9031, 9032, 9041, 9042</b>	<b>NTS Map #: 2D/9</b>

**Description of Area:**

This area of crown land is located in west of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road. It is located North side of Gambo Pond. The terrain varies from hilly to rough. The merchantable forest stands are comprised of 100% pure black spruce. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 8,430 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 8,430 m<sup>3</sup>

Proposed Hardwood Volume: 300 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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**Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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**Primary Forest Access Road Construction:**

Access road construction in this area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mineral Land Branch.

Proposed 5 year access road construction: 6.6 km

Proposed 5 year stream crossings: 0

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**Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.

<b>Operating Area Name:</b> Terra Nova River	<b>Operating Area #</b> CC04011
<b>NFS Inventory Map #:</b>	<b>NTS Map #:</b>

**Description of Area:** This operating area is located just south of the Town of Terra Nova in Forest Management District 04 (FMD04). All harvesting areas are located in the Northcentral Subregion of the Central Newfoundland Forest Ecoregion. The terrain is gently rolling.

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**Harvesting Activities:** Proposed commercial activity will include sawlog and fuelwood harvesting using mechanical harvesters or chainsaws with extraction by forwarder, snowmobile or ATV.

Inventory Softwood Volume: 15,910m<sup>3</sup>

Proposed Softwood Volume: 18,603 m<sup>3</sup>

Proposed Hardwood Volume: 0 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 17 %

Rationale for Difference: Inventory/blocking adjustment from woodsupply calculations and operational criteria of age class 4 and greater with minimal of 50 m3/ha and greater. Proposed harvest volumes in excess of inventory volumes are explained through scheduling overmature timber.

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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, except the areas inside the Agriculture Areas of Interest.

**Primary Forest Access Road Construction:** Access road construction in this operating area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mines Branch of the Department of Industry, Energy and Technology. Any water crossings will be done under permit as required by the Water Resources Division of the Department of Environment and Climate Change.

Proposed 5 year access road construction: None

Proposed 5 year stream crossings: None

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**Non timber Considerations and Mitigations:** **Protected Road Zone:** Permits for operating within Protected Road Zones will be obtained for the operating area; **Water Bodies:** A minimum **30 meter** buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on a 1:50,000 Topographic map; **Scheduled Salmon Rivers:** There will be no cutting within **100 metres** of a scheduled Salmon River; **Cottage Areas:** There will be no cutting within **100 metres** of a designated cabin development area and **20 metres** of a registered legal cabin; **Raptor Nest:** No forestry activity is to

occur within **800 metres** of a bald eagle or osprey nest during the nesting season (March 15 to July 31) and **200 metres** during the remainder of the year. **Terra Nova River:** The operating area will be assessed for a 'hot plant' when enough area is harvested (minimum of 50 ha) where the area harvested in one year will be planted in the following year. A gate and signage will be placed at the beginning of the road stating the road will be decommissioned. The first km of road will be decommissioned and planted at the end of operations. All culverts will be removed at the end of operations. No commercial/domestic harvesting activity will be scheduled in the buffer of Terra Nova River. The Forestry and Wildlife Branch will not entertain requests for cabins in this operating area along Terra Nova River.

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**Agriculture Area of Interest Overlap:** N/A

<b>Operating Area Name:</b> Lake St. John	<b>Operating Area #</b> CC04012
<b>NFS Inventory Map #:</b>	<b>NTS Map #:</b>

**Description of Area:** This operating area is located just east of the Town of Terra Nova in Forest Management District 04 (FMD04). All harvesting areas are located in the Northcentral Subregion of the Central Newfoundland Forest Ecoregion. The terrain is gently rolling.

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**Harvesting Activities:** Proposed commercial activity will include sawlog and fuelwood harvesting using mechanical harvesters or chainsaws with extraction by forwarder, snowmobile or ATV.

Inventory Softwood Volume: 73,711 m<sup>3</sup>

Proposed Softwood Volume: 97,264 m<sup>3</sup>

Proposed Hardwood Volume: 0 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 32 %

Rationale for Difference: Inventory/blocking adjustment from woodsupply calculations and operational criteria of age class 4 and greater with minimal of 50 m3/ha and greater. Proposed harvest volumes in excess of inventory volumes are explained through scheduling overmature timber.

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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, except the areas inside the Agriculture Areas of Interest.

**Primary Forest Access Road Construction:** Access road construction in this operating area will typically be carried out under government contract primarily utilizing excavators. The majority of the fill requirements will come from the road right of (ROW). In the event that material is required from outside the ROW (i.e. gravel pits), it will be done under permit from the Mines Branch of the Department of Industry, Energy and Technology. Any water crossings will be done under permit as required by the Water Resources Division of the Department of Environment and Climate Change.

Proposed 5 year access road construction: 18.5 km of Reconstruction; 20 km of New Construction  
 Proposed 5 year stream crossings: 4 Bridges

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**Non timber Considerations and Mitigations:** **Protected Road Zone:** Permits for operating within Protected Road Zones will be obtained for the operating area; **Water Bodies:** A minimum **30 meter** buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on a 1:50,000 Topographic map; **Scheduled Salmon Rivers:** There will be no cutting within **100 metres** of a scheduled Salmon River; **Cottage Areas:** There will be no cutting within **100 metres** of a designated cabin development area and **20 metres** of a registered legal cabin; **Raptor Nest:** No forestry activity is to

occur within **800 metres** of a bald eagle or osprey nest during the nesting season (March 15 to July 31) and **200 metres** during the remainder of the year.

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**Agriculture Area of Interest Overlap:** N/A

<b>Operating Area Name:</b> Nalcor Line - Rocky Brook	<b>Operating Area #</b> CC04013
<b>NFS Inventory Map #:</b> 8923, 8924, 8913, 8914	<b>NTS Map #:</b> 2D/10 – Dead Wolf Pond

**Description of Area:**

This area of crown land is located in west of Gambo and is accessed from the TCH (Route 1) via the Mint Brook Forest Resource Road and Riverhead Resource Road. It is located south of Triton Brook and North of Rocky Brook along the Nalcor Line. The terrain varies from hilly to steep and rugged. The merchantable forest stands are comprised of 90% black spruce, and 10% balsam fir. The area is located in 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 harvester with extraction by forwarder.

Inventory Softwood Volume: 5,495 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 5,495 m<sup>3</sup>

Proposed Hardwood Volume: 300 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 0%

Rationale for Difference:

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**Silviculture Activities:**

Reconnaissance surveys will be carried out on existing and new cutovers and regeneration 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 regeneration stands will be candidates for thinning. All potential silviculture areas are identified on the operations area maps.

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**Primary Forest Access Road Construction:**

No access road construction is proposed.

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**Non timber Considerations and Mitigations:**

A 30 meter buffer will be maintained on both sides of all rivers, brooks, ponds or other water bodies that are shown on 1:50,000 topographic maps.

On water bodies where an approved cabin development area exists, a 105 meter buffer must be maintained along the shoreline.

Where an approved license to occupy for a cabin exists, a 20 meter buffer is to be maintained.

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.