

<b>Operating Area Name: Camp Ten West - North Branch</b>	<b>Operating Area # CC06009</b>
<b>NFS Inventory Map #: 8932, 8942</b>	<b>NTS Map #: 2D/10 Dead Wolf Pond</b>

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

This area of crown land is located southwest of Gander: it is accessed from the TCH (Route 1) via the Mint Brook Resource Road. This block is south of area CC06008 (Skin Bridge South) and the eastern boundary of this block from the boundary between Forest management Districts 6 and 4. The terrain varies from flat to rolling. The merchantable forest stands are comprised of 50% pure black spruce & 50% 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: 7,168 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 7,168 m<sup>3</sup>

Proposed Hardwood Volume: 720 m<sup>3</sup>

Difference from Inventory to Proposed Volume: %

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: 1.0 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> Bog Camp Brook	<b>Operating Area #</b> CC06010
<b>NFS Inventory Map #:</b> 7711, 7712, 8941, 8942, 8931	<b>NTS Map #:</b> 2D/10 Dead Wolf Pond

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

This area of crown land is located southwest of Gander: it is accessed from the TCH (Route 1) Glenwood via Northwest Gander Resource Road. This block is adjacent CC06008 (Skin Bridge South). The terrain varies from flat to rolling. The merchantable forest stands are comprised 69% black spruce, 23% white birch, 5% balsam fir and 3% 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: 92,653 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 34,907 m<sup>3</sup>

Proposed Hardwood Volume: 2,000 m<sup>3</sup>

Difference from Inventory to Proposed Volume: 62 %

Rationale for Difference: Inventory adjustment 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 Mines Branch of the Department of Natural Resources. There is not new road construction proposed for this area.

Proposed 5 year access road construction: 12.5 km Operational Resource Road

Proposed 5 year steam Crossings: 6

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

As per regulations under ENVC all commercial and domestic operations that are associated with the Town of Gander, Appleton and Glenwood Public Protected Water Supply (PPWSA), Gander Lake will be

done with consultation with the town and under a Permit for Development from ENVC, Water Resources Management Division.

A 20 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: Little Dead Wolf</b>	<b>Operating Area # CC06011</b>
<b>NFS Inventory Map #: 7712, 8942</b>	<b>NTS Map #: 2D/15 Gander, 2D/10 Dead Wolf Pond</b>

**Description of Area:**

This area of crown land is located southwest of Gander: it is accessed from the TCH (Route 1) via the Mint Brook Resource Road. This block is north of area CC06019 (Skin Bridge). The terrain varies from flat to rolling. The merchantable forest stands are comprised 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: 6,697 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 6,697 m<sup>3</sup>

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

Difference from Inventory to Proposed Volume: %

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 new road construction is proposed for this.

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**Non timber Considerations and Mitigations:**

As per regulations under ENVC all commercial and domestic operations that are associated with the Town of Gander, Appleton and Glenwood Public Protected Water Supply (PPWSA), Gander Lake will be done with consultation with the town and under a Permit for Development from ENVC, Water Resources Management Division.

A 20 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> Hunt's Pond East	<b>Operating Area #</b> CC06012
<b>NFS Inventory Map #:</b> 7712, 7713, 7722, 7723	<b>NTS Map #:</b> 2D/15 Gander

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

This area of crown land is located southwest of Gander: it is accessed from the TCH (Route 1) via the Mint Brook Resource Road. This block is west of Rodney Pond. The terrain varies from flat to rolling. The merchantable forest stands are comprised of 99% pure black spruce with 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.

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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.

Inventory Softwood Volume: 69,102 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 69,102 m<sup>3</sup>

Proposed Hardwood Volume: 2000 m<sup>3</sup>

Difference from Inventory to Proposed Volume: %

Rationale for Difference:

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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: 3.0 Km

Proposed 5 year stream crossings: 0

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

As per regulations under ENVC all commercial and domestic operations that are associated with the Town of Gander, Appleton and Glenwood Public Protected Water Supply (PPWSA), Gander Lake will be done with consultation with the town and under a Permit for Development from ENVC, Water Resources Management Division.

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 West - South Branch</b>	<b>Operating Area # CC06013</b>
<b>NFS Inventory Map #: 8932, 8942</b>	<b>NTS Map #: 2D/10 Dead Wolf Pond</b>

**Description of Area:**

This area of crown land is located southwest of Gander: it is accessed from the TCH (Route 1) via the Mint Brook Resource Road. This block is south of area CC06008 (Skin Bridge South) and the eastern boundary of this block from the boundary between Forest management Districts 6 and 4. The terrain varies from flat to rolling. This area was commercially harvested in 2016 and 2017 and will be silviculturally treated during the 2022-2026 FYOP. 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.

No harvesting is proposed for this area

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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.

Approximately 110ha of cutover is proposed for silviculture treatment

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**Primary Forest Access Road Construction:**

There is no new proposed road construction for this area.

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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> Hunt's Pond West	<b>Operating Area #</b> CC06016
<b>NFS Inventory Map #:</b> 7721, 7722, 7712, 7732	<b>NTS Map #:</b> 2D/15 Gander

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

This area of crown land is located south of Glenwood and is accessed from the TCH (Route 1) via the Northwest Gander Forest Resource Road. This block is located on the western portion of Hunt Pond and south of Gander Lake. The terrain varies from flat to rolling. The merchantable forest stands are comprised of 93% black spruce with 7% 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: 45 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 89,309 m<sup>3</sup>

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

Difference from Inventory to Proposed Volume: N/A

Rationale for Difference: Inventory discrepancy/land base issue.

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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: 20 Km

Proposed 5 year stream crossings: 1

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

As per regulations under ENVC all commercial and domestic operations that are associated with the Town of Gander, Appleton and Glenwood Public Protected Water Supply (PPWSA), Gander Lake will be done with consultation with the town and under a Permit for Development from ENVC, Water Resources Management Division.

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> Skin Bridge	<b>Operating Area #</b> CC06019
<b>NFS Inventory Map #:</b> 7712, 8942	<b>NTS Map #:</b> 2D/15 Gander , 2D/15 Gander

**Description of Area:**

This area of crown land is located southwest of Gander: it is accessed from the TCH (Route 1) via the Mint Brook Resource Road. The eastern boundary of this block forms the boundary between Forest Management Districts 6 and 4. The terrain is relatively flat. The merchantable forest stand 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: 7,744 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 7,744 m<sup>3</sup>

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

Difference from Inventory to Proposed Volume: %

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:**

There is no new road construction proposed for this area.

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**Non timber Considerations and Mitigations:**

As per regulations under ENVC all commercial and domestic operations that are associated with the Town of Gander, Appleton and Glenwood Public Protected Water Supply (PPWSA), Gander Lake will be done with consultation with the town and under a Permit for Development from ENVC, Water Resources Management Division.

A 20 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: Dead Wolf</b>	<b>Operating Area # CC06020</b>
<b>NFS Inventory Map #: 8931, 8932</b>	<b>NTS Map #: 2D/10 Dead Wolf Pond</b>

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

This area of crown land is located south of Gander: it is accessed from the TCH (Route 1) via the Mint Brook Resource Road. It's located west of Deadwolf Pond along the Nalcor Line. The southeast boundary of the block is the border between FMD6 and FMD4. The terrain varies from flat to hilly. The merchantable forest stands are comprised 98% bSbF and 2% pure bS stands. 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: 1,072 m<sup>3</sup>

Inventory Hardwood Volume: N/A

Proposed Softwood Volume: 1,072 m<sup>3</sup>

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

Difference from Inventory to Proposed Volume: %

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: 1.5 km

Proposed 5 year stream crossings: 0

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

As per regulations under ENVC all commercial and domestic operations that are associated with the Town of Gander, Appleton and Glenwood Public Protected Water Supply (PPWSA), Gander Lake will be done with consultation with the town and under a Permit for Development from ENVC, Water Resources Management Division.

A 20 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.