

Date: March 19<sup>th</sup>, 2025

# **P.E.I. Public Forests**



## **Woodlot Management Plan**

**Property Number: 66001**

**Location: Wellington Centre**



## Table of Contents

Goals and Management Objectives .....	1
Property Overview .....	2
Location.....	2
Past Information .....	2
Property Information .....	3
Wetland and Watercourses .....	3
Property Access.....	4
Property Boundaries .....	4
Fire Protection .....	5
Planting and Silviculture .....	5
Proposed Treatments .....	6
Table 1. Proposed Treatment Summary.....	7
Appendices.....	13
Appendix A. Map of Property with Locator Map.....	14
Appendix B. 1935 Aerial Photography .....	14
Appendix C. 1968 Aerial Photography .....	16
Appendix D. 2010 Corporate Land Use Inventory .....	17
Appendix E. Forest Inventory Codes .....	18
Appendix F. Stand Tally Sheets from on the Ground Assessment.....	19
Appendix G. Plantation Map with Contour Lines.....	56
Appendix H. Work Completed .....	57

## Goals and Management Objectives

***Forest Management on Prince Edward Island (P.E.I.) means different things to different people. Public Forest Lands are managed for a variety of reasons including timber and non- timber values, wildlife enhancement, soil and water preservation, demonstration techniques, training and recreation and aesthetics.***

The primary goal for management of P.E.I. Public Forest Land is to enhance the overall forest quality. To accomplish this, it may be necessary to remove some of the lower quality trees on the property and nurture those of higher quality. This will in turn improve genetic quality, species distribution and diversity through careful tree selection and natural regeneration. Allowing acceptable growing stock the chance to thrive and provide a seed source for the surrounding areas will ensure that quality natural regeneration has an opportunity to establish. Enhancement or enrichment planting may be necessary in areas where there is inadequate or unsuitable natural regeneration. Trees native to P.E.I. that are suitable to the site conditions will be chosen for any required reforestation on the property. Prescribing treatments in some stands while leaving others untreated will provide for a range of forest types. Converting stands from a single species to multiple species is desirable. This can be accomplished by retaining some of the natural regeneration in areas that have been previously planted and by planned tree selection in stand improvement treatments. Planted and natural stands on the property will be assessed for health and growth of desired species on an on-going basis. This information will be used to determine when and where future treatments will be carried out. Through time, a favourable healthy mixture of short-lived and long-lived species will provide for an abundance of quality forest products, biodiversity, wildlife, and recreational opportunities as well as a range of ecological goods and services (such as clean air and water).

## **Property Overview**

### **Location**

Property 66001 is located on Camp Tamawaby Road, which connects to Route 131, Sunnyside RD to the north, in the community of Wellington Centre, P.E.I., (Appendix A). The total area of this property is 62.3 hectares (154 acres) and the midpoint of the property is Latitude N 46.47909 decimal degrees, Longitude W -63.96049 decimal degrees.

### **Past Information**

This property, known as “Camp Tamawaby” or just the “Camp” to locals, is one of six demonstration woodlots that were established in the early 1980s under the Canada- Prince Edward Island Resource Development Agreement. These woodlots were designed to increase public awareness of Island forests and to provide woodlot owners with information on proper forest management techniques. A 1.7 km long trail and woodlot road is maintained to further woodlot education and allow public access to nature in this managed woodlot.

The property was originally settled by the Lecky family and the majority of this property was a working farm up until the middle of the 20<sup>th</sup> century, until it was sold to the Government of Prince Edward Island in 1955. The South side of the woodlot was woodland, purchased from Gerald Fitzgerald. There was also a dam and a water-powered sawmill, since gone, that were built on this location in 1838 by John Kent, an Irish settler. A 2 ha portion of the woodlot along Lecky’s pond and the Smelt river has several outbuildings used for recreation by groups or departments that have agreements with the province. This camp was originally set up by the Summerside Y’s Men’s boys’ and girls’ camp which gave Camp Tamawaby woodlot its name, as it is an acrostic for their motto at the time “To Avoid Mending

Adults We Are Building Youth.” To see this woodlot as it has changed through time, see the 1935 and 1968 photography in Appendix B and Appendix C.

### **Property Information**

The information in Appendix D has been taken from the 2020 Corporate Land Use Inventory. An explanation of forestry code meanings can be seen in Appendix E. Any stands that have proposed silvicultural treatment prescriptions are to have on-ground stand assessments completed prior to any work being started. This on-ground assessment information is included in this plan as updated stand tally sheets (Appendix F) and supplements the extrapolated data where applicable. A topographic map of the property shows the general terrain profile, the ranges in elevation and the plantations currently on the property (Appendix G).

### **Wetland and Watercourses**

The Smelt river and one of its tributaries flow into Lecky’s pond located to the southwest corner of the property. The pond contains “open-water” wetland conditions that support many forms of wildlife. The pond is also utilized as a site for canoeing for Camp Tamawaby and also serves as a training area for forest fire fighting. The water flows from west to east, eventually ending up in the Grand River. There is also a small stream located adjacent to the properties eastern boundary, the Little Trout River. This stream originates in the “wet” hardwood stand located to the northeast portion of the property. The entire system is part of the Grand River watershed. All streams and wetlands will have a 15 m buffer zone from any silvicultural work to maintain biodiversity and watershed health. This observation can be viewed in Appendix A.

## **Property Access**

Access to this property is obtained from the Camp Tamawaby Road. It bisects the woodlot from north to south. Access to portions can also be resolved using roads on the northern boundary.

Further woodlot access is provided through the use of a 1.1km class 1 woodlot road that creates a loop through the property in the eastern portion. This woodlot road is maintained and can also be used for recreational purposes. Ongoing road maintenance will be required to keep the road in a useable condition. This will include keeping the right-of-way clear of any brush or trees, repairing rutting on the road, repairing any wet areas that restrict access, and any other maintenance required to keep these roads usable. Existing roads on the property can be seen on Appendix A.

Further access through the wooded portion of the property is provided by an interpretive trail that loops through a number of stand types. This trail has signs that identify a number of treatments and tree species as well as some shrubs and wildlife features. Appendix A is a map that identifies the location of the trail that is maintained for public use. This might include hiking, biking, snowshoeing, skiing, etc. (“no motorized vehicle access” on trail). The trail also provides access to a lookout along the shore. The entire property is posted as a no hunting area.

Some expansion of the current trail system is being explored. This should enhance the area for recreation and education. It could be extended in the future to show more stands and a recent commercial thin done in a white pine stand. This property is located adjacent to other “Provincially-owned” parcels that would provide opportunities to expand the trail length.

## **Property Boundaries**

This property is bounded on the west by adjacent Provincially-owned land. The north boundary on the west portion is located on the Brookside Road. (\*This section of road is currently not maintained. It used to experience some ATV and walking traffic but is now impeded by a beaver dam adjacent to the

properties northwest corner). The north-central portion of the property is located on a section of the Camp Tamawaby Road. The north boundary on the east portion of bounded by the Cross Shores Road. (\*This road is identified as a private road that accesses some permanent and seasonal housing). The eastern boundary is found along private land. The southern property boundary follows the shore of the Grand River, Smelt River and Lecky's Pond.

### **Fire Protection**

This property is located within the jurisdiction of the Wellington Fire Department. The amount of personnel and equipment used to fight any forest fires will depend greatly upon the size and severity of the fire. Protection of our woodland from forest fire is the responsibility of the Forests, Fish and Wildlife Division and our local community fire brigades. In the Western District, there are four-wheel drive forestry fire trucks housed at the Wellington and West Point Fire Departments. These heavy-duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire trucks, off road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available if needed. A stream that flows through the middle of the property would be a suitable site to setup a portable fire pump system.

### **Planting and Silviculture**

There are 34 plantations on the property. It is recommended that any trees planted on the property be assessed at regular intervals. These assessments will determine if the planted trees require manual maintenance or fill planting as specified in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL ("Eco Manual"). A list of all silviculture treatments completed on the property from 1991 to present is shown in Appendix H.



## Proposed Treatments

The 2006 Forest Policy “Moving to Restore a Balance in Island Forests” lays out the framework for Public Land Forest management. The Eco-Manual provides details for prescribed treatments. All work completed on this property must comply with that manual. Although all stands were assessed, only specific stands were prescribed treatments to accomplish goal(s) within the next 10 years. Table 1 provides a summary of these proposed treatments. Proposed treatments may be updated in 5 years, when the 10-year period expires, or due to unforeseen events. This table will be updated as required when additional treatments are prescribed. For a better understanding of the treatments prescribed, a more detailed explanation is available in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL (“Eco Manual”)



[www.princeedwardisland.ca/sites/default/files/publications/2018\\_eco\\_manual\\_technical\\_version\\_-\\_final.pdf](http://www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-_final.pdf) . Any additional information may be obtained by contacting a Provincial Forest

representative at the District Forestry Office in Wellington.

**Table 1. Proposed Treatment Summary.**

<b>Stand Number and Plantation Number</b>	<b>Treatment Type</b>	<b>Treatment Year</b>	<b>Amount Proposed</b>	<b>2018 Eco-Manual Reference</b>	<b>Comments</b>	<b>Goals</b>
All	Road and Trail Maintenance	2025	all	Pg. 7, 9-12	Maintain trail and woodlot road	Ensure access to demo woodlot for public and silvicultural activities
All	Trail Extension	2025	2 km	Pg. 7	Extend educational woodlot trail	To show more stands as well as recent treatments in the woodlot
480417, 480478, PN 3851621	Fire Smart around Camp buildings	2025	30 m radius from structures	-	Reduce fuels around structures using Fire Smart Canada Guidelines	Reduce risk of wildfire to structures
480384, PN 3965193	Commercial Thinning	2025	1.58	Pg. 26	Remove merchantable stems to improve spacing for crop trees in WP PN	Improve growth and health of crop trees.
480384, PN 3965193	White Pine Blister Rust Pruning	2025	1.58	Pg. 20	Prune to increase airflow in the stand to reduce the spread of white pine blister rust.	Prevent spread of white pine blister rust and produce knot free trees
480417	Invasive Species Removal	2025	4.96	Pg. 38	Girdle Invasive Scot's Pine, creating wildlife trees (snags).	Remove an invasive specie that could do harm while also creating habitat for wildlife.
480409, PN 3590005	Invasive Species Removal	2025	1	Pg. 38	Girdle Invasive Scot's Pine, creating wildlife trees (snags).	Remove an invasive specie that could do harm while also creating habitat for wildlife.
480385, 3965194	Commercial Thinning	2025	1.56	Pg. 26	Remove merchantable stems to improve spacing for crop trees. Be sure to leave a windbreak buffer .	Improve growth and health of crop trees.

481108	Patch Harvest	2025	0.3	Pg. 29-31	Harvest patches of overmature trees, creating canopy gaps to improve health of residual trees and create openings for regeneration.	Salvage wood and create a resilient two-age stand.
480449, PN 3140061	Crop Tree Pruning	2025	2.5	Pg. 20-21	Pruning of Branches	Create valuable knot free wood
480383, PN 3965191	Select Tree Harvest	2025	< 0.08 ha annually	Pg. 27-28	Harvest overmature trees and create canopy gaps to benefit health of residual trees and create micro-habitat for natural regeneration.	Salvage wood and create a resilient multi-age stand.
480383, PN 3965191	Manual Site Preparation & Reforestation	2025	< 0.08 ha annually	Pg. 14, 16-17	Create microsites for planting and plant with tree species suitable for the site in areas not sufficiently stocked. Could plant BS, RS, LA, YB or WA.	Regenerate a biodiverse forest stand.
480413	Select Tree Harvest	2025	< 0.1 ha annually	Pg. 27-28	Harvest overmature trees and create canopy gaps to benefit health of residual trees and create micro-habitat for natural regeneration.	Salvage wood and create a resilient multi-age stand.
480413	Manual Site Preparation & Reforestation	2025	< 0.1 ha annually	Pg. 14, 16-17	Create microsites for planting and plant with tree species suitable for the site in areas not sufficiently stocked. Could plant WS, RS, WP, YB or SM.	Regenerate a biodiverse forest stand.
480561, 4000003	Modified Commercial Plantation Thinning	2025	0.43	Pg. 26	Remove lesser quality stems to improve spacing for crop trees in WS PN	Improve growth and health of crop trees.
480475, PN 3210130	Manual Maintenance	2025	0.39	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480812, 4000004, 4000009	Crop Tree Release	2025	0.13	Pg. 23-24	Release quality immature hardwood trees	Improve growth and health of crop trees.
480812, 4000004, 4000009	Crop Tree Pruning	2025	0.13	Pg. 20-21	Pruning of Branches	Create valuable knot free wood

480454, PN 3965241	Commercial Thinning	2025	0.39	Pg. 26	Remove merchantable stems to improve spacing for crop trees in BF PN	Improve growth and health of crop trees.
480451, PN 3965192	Commercial Thinning	2025	0.3	Pg. 26	Remove merchantable stems to improve spacing for crop trees in JL, LA PN	Improve growth and health of crop trees.
480877, PN 3170111	Crop Tree Pruning	2025	0.29	Pg. 20-21	Pruning of Branches	Create valuable knot free wood
480468	Crop Tree Pruning	2025	2.09	Pg. 20-21	Pruning of Branches	Create valuable knot free wood
480475, PN 3230112	Manual Maintenance	2026	0.7	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480417 N section	Block Harvest	2026	3.5	Pg.30	Block harvest if significant stand decline. Monitor for wind damage/blowdown.	Salvage wood.
480417 N section	Manual Site Preparation & Reforestation	2026	3.5	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WP, RS, LA, WS, YB, SM or RO.	Regenerate a biodiverse forest stand.
480877, PN 3965202	Crop Tree Release	2026	0.08	Pg. 23-24	Release quality immature hardwood trees	Improve growth and health of crop trees.
480877, PN 3965202	Crop Tree Pruning	2026	0.08	Pg. 20-21	Pruning of Branches	Create valuable knot free wood
480421, PN 3210131	Manual Maintenance	2026	0.58	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480421, PN 3210131	Crop Tree Pruning	2026	0.58	Pg. 20-21	Pruning of Branches	Create valuable knot free wood
480876, PN 3150111	Manual Maintenance	2027	2.84	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480818, 480819, PN 3050112, 3050111	Crop Tree Release	2027	1.09	Pg. 23-24	Release quality immature hardwood trees	Improve growth and health of crop trees.
480818, 480819, PN 3050112, 3050111	Crop Tree Pruning	2027	1.09	Pg. 20-21	Pruning of Branches	Create valuable knot free wood

480383, PN 3965191	Manual Maintenance	2028	0.8	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
481099, PN 3965203	Crop Tree Release	2028	0.46	Pg. 23-24	Release quality immature hardwood trees	Improve growth and health of crop trees.
481099, PN 3965203	Crop Tree Pruning	2028	0.46	Pg. 20-21	Pruning of Branches	Create valuable knot free wood
480417 N Section	Manual Maintenance	2029	3.5	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480877, PN 3170111	Manual Maintenance	2030	0.29	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480475, PN 3570003	Block Harvest	2032	0.69	Pg.30	Block harvest if significant stand decline. Monitor for wind damage/blowdown.	Salvage wood.
480475, PN 3570003	Manual Site Preparation & Reforestation	2032	0.69	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, RS, WP, EH, CE, RO, WA or YB.	Regenerate a biodiverse forest stand.
480478, PN 3851621	Block Harvest	2032	0.5	Pg.30	Block harvest if significant stand decline. Monitor for wind damage/blowdown.	Salvage wood.
480478, PN 3851621	Manual Site Preparation & Reforestation	2032	0.5	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, RS, BS, WP, CE, RO, RM, YB or WA.	Regenerate a biodiverse forest stand.
480483, PN 3590002	Block Harvest	2032	0.66	Pg.30	Block harvest if significant stand decline. Monitor for wind damage/blowdown.	Salvage wood.
480483, PN 3590002	Manual Site Preparation & Reforestation	2032	0.66	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site in areas not sufficiently stocked. Could plant WS, WP, EH, YB, RM, RO or WA.	Regenerate a biodiverse forest stand.

480463, 480455	Block Harvest	2032	3.47	Pg.30	Block harvest if significant stand decline. Monitor for wind damage/blowdown.	Salvage wood.
480463, 480455	Manual Site Preparation & Reforestation	2032	3.47	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant BS, RS, LA, YB or WA.	Regenerate a biodiverse forest stand.
480475, PN 3570003	Manual Maintenance	2035	0.69	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480478, PN 3851621	Manual Maintenance	2035	0.5	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480483, PN 3590002	Manual Maintenance	2035	0.66	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480463, 480455	Manual Maintenance	2035	3.47	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
480449, PN 3140061	Crop Tree Release	2035	2.5	Pg. 23-24	Release quality immature hardwood trees	Improve growth and health of crop trees.
480417 buildings and clearing adjacent (30 m)	Select Tree Harvest	2025-2035	< 0.1 ha annually	Pg. 27-28	Harvest overmature trees and create canopy gaps to benefit health of residual trees and create micro-habitat for natural regeneration. Choose trees in line with fire smart principles as well as leaving quality seed trees.	Salvage wood, reduce fire hazard and create a resilient multi-age stand.
480409, PN 3590005	Select Tree Harvest	2025-2035	< 0.1 ha annually	Pg. 27-28	Harvest overmature trees and create canopy gaps to benefit health of residual trees and create micro-habitat for natural regeneration.	Salvage wood and create a resilient multi-age stand.
480409, PN 3590005	Manual Site Preparation & Reforestation	2025-2035	< 0.1 ha annually	Pg. 14, 16-17	Create microsites for planting and enrichment plant with tree species suitable for the site in areas not sufficiently stocked. Could plant WP, WS, SM, RO or YB.	Regenerate a biodiverse forest stand.

480487, PN 3840202	Select Tree Harvest	2025-2035	<0.02 ha annually	Pg. 27-28	Harvest overmature trees and create canopy gaps to benefit health of residual trees and create micro-habitat for natural regeneration.	Salvage wood and create a resilient multi-age stand.
480487, PN 3840202	Manual Site Preparation & Reforestation	2025-2035	< 0.02 ha annually	Pg. 14, 16-17	Create microsites for planting and enrichment plant with tree species suitable for the site in areas not sufficiently stocked. Could plant WP, WS, SM, RO, and YB.	Regenerate a biodiverse forest stand.
480486, PN 3851622	Select Tree Harvest	2025-2035	< 0.02 ha annually	Pg. 27-28	Harvest overmature trees and create canopy gaps to benefit health of residual trees and create micro-habitat for natural regeneration.	Salvage wood and create a resilient multi-age stand.
480486, PN 3851622	Manual Site Preparation & Reforestation	2025-2035	<0 .02 ha annually	Pg. 14, 16-17	Create microsites for planting and enrichment plant with tree species suitable for the site in areas not sufficiently stocked. Could plant WS, RS, EH, WP, YB, SM or RM.	Regenerate a biodiverse forest stand.

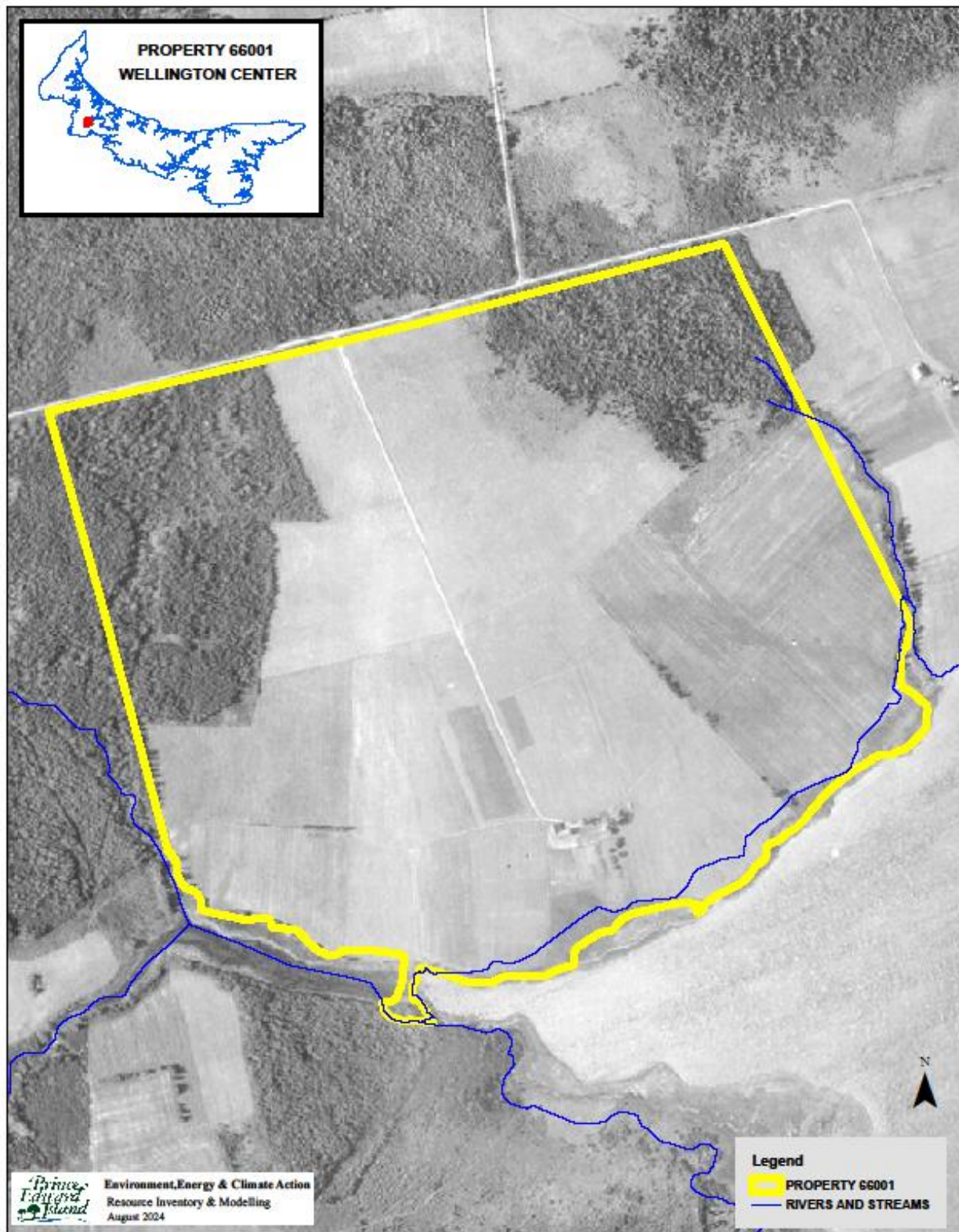
## **Appendices**

## Appendix A. Map of Property with Locator Map



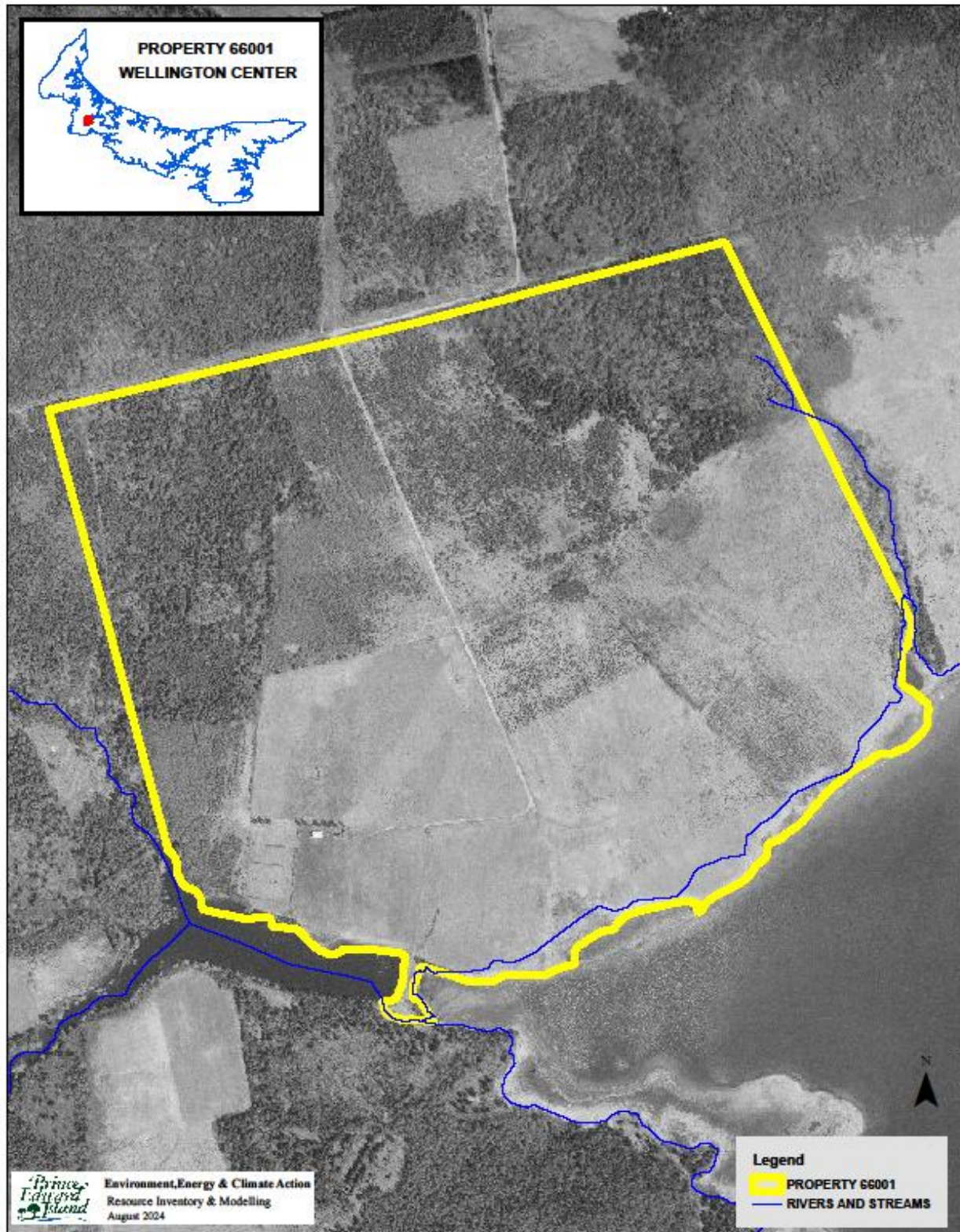


## Appendix B. 1935 Aerial Photography





## Appendix C. 1968 Aerial Photography



## Appendix D. 2020 Corporate Land Use Inventory

FIELDID	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	HECTARES	WOODSTOCK
0480383	RS	7.00	WB	2.00	LA	1.00		0.00		0.00	11.00	80.00	0.76	RS
0480384	WP	8.00	LA	1.00	WB	1.00		0.00		0.00	12.00	80.00	1.99	WP
0480385	WP	9.00	WB	1.00		0.00		0.00		0.00	10.00	75.00	1.56	WP
0480409	BF	5.00	WS	5.00		0.00		0.00		0.00	15.00	75.00	0.97	BFSP
0480413	WS	7.00	LA	1.00	PO	1.00	BF	1.00		0.00	16.00	70.00	1.18	WSPR
0480417	WS	4.00	LA	4.00	BF	1.00	BS	1.00		0.00	16.00	70.00	4.96	SWMX
0480449	WA	5.00	RO	5.00		0.00		0.00		0.00	3.00	0.00	2.50	RO
0480450	BS	7.00	WB	2.00	LA	1.00		0.00		0.00	12.00	90.00	2.15	BSPR
0480451	JL	9.00	LA	1.00		0.00		0.00		0.00	11.00	80.00	0.30	SWPR
0480452	WS	4.00	BF	2.00	RS	2.00	PO	1.00	LA	1.00	16.00	20.00	1.14	SWMX
0480454	BF	9.00	LA	1.00		0.00		0.00		0.00	11.00	75.00	0.39	BFPR
0480455	BS	7.00	RM	1.00	BF	1.00	LA	1.00		0.00	14.00	80.00	0.84	BSPR
0480459	NS	10.00		0.00		0.00		0.00		0.00	16.00	75.00	0.62	SWPR
0480463	BS	6.00	BF	2.00	LA	1.00	WB	1.00		0.00	13.00	70.00	2.63	SPBF
0480464	NS	10.00		0.00		0.00		0.00		0.00	18.00	80.00	1.92	SWPR
0480470	NS	6.00	AL	2.00	WB	2.00		0.00		0.00	9.00	75.00	1.80	SWIH
0480475	NS	10.00		0.00		0.00		0.00		0.00	20.00	60.00	1.63	SWPR
0481051	CE	6.00	BF	3.00	WS	1.00		0.00		0.00	9.00	40.00	1.30	CE
0480478	BF	9.00	LA	1.00		0.00		0.00		0.00	14.00	75.00	0.70	BFPR
0480481	BS	3.00	PO	2.00	BF	2.00	LA	2.00	RM	1.00	16.00	65.00	2.37	SWMX
0480483	WS	10.00		0.00		0.00		0.00		0.00	17.00	75.00	0.66	WSPR
0480485	WS	10.00		0.00		0.00		0.00		0.00	15.00	75.00	0.64	WSPR
0480486	RP	10.00		0.00		0.00		0.00		0.00	16.00	70.00	0.21	RPPR
0480487	WS	5.00	RP	5.00		0.00		0.00		0.00	15.00	65.00	0.17	SWMX
0480560	JL	8.00	WB	1.00	LA	1.00		0.00		0.00	9.00	85.00	1.15	SWPR
0480561	WS	10.00		0.00		0.00		0.00		0.00	9.00	80.00	0.43	WSPR
0480579	WS	7.00	LA	2.00	WP	1.00		0.00		0.00	0.00	0.00	1.90	WSPR
0480580	WS	8.00	BF	2.00		0.00		0.00		0.00	15.00	45.00	1.21	WSPR
0480675	BF	3.00	PO	2.00	WB	2.00	RM	2.00	WS	1.00	9.00	85.00	0.82	IHSW
0480676	RM	5.00	WB	2.00	WA	1.00	LA	1.00	BF	1.00	17.00	75.00	4.74	IHMX
0481108	RM	4.00	RS	2.00	BF	2.00	YB	1.00	WB	1.00	15.00	75.00	3.28	IHSW
0480692	RM	4.00	PO	3.00	WB	1.00	WS	1.00	BF	1.00	17.00	80.00	0.17	IHMX
0480812	RO	10.00		0.00		0.00		0.00		0.00	9.00	75.00	0.47	RO
0480818	YB	10.00		0.00		0.00		0.00		0.00	5.00	60.00	0.56	YBPR
0480819	RO	10.00		0.00		0.00		0.00		0.00	5.00	60.00	0.53	RO
0480830	RM	3.00	WS	3.00	WB	2.00	PO	2.00		0.00	9.00	85.00	1.15	IHMX
0480876	WS	6.00	WP	4.00		0.00		0.00		0.00	2.00	0.00	2.84	WP
0480877	WS	8.00	RP	1.00	WP	1.00		0.00		0.00	0.00	0.00	0.75	WSPR
0481099	YB	4.00	WB	2.00	BF	2.00	RM	2.00		0.00	8.00	80.00	0.46	THMX
0480421	CC	10.00		0.00		0.00		0.00		0.00	0.00	0.00	0.58	CC
0480468	WS	5.00	BF	5.00		0.00		0.00		0.00	15.00	35.00	2.09	SPBF
0480148	GRS	7	SHR	2	TRE	1		0		0	0	0	1.48	

## Appendix E. Forest Inventory Codes

### EXPLANATION OF FORESTRY CODES:

#### SPECIES

<b>WS</b>	White Spruce	<b>JL</b>	Japanese Larch	<b>WB</b>	White Birch
<b>BF</b>	Balsam Fir	<b>EL</b>	European Larch	<b>PO</b>	Poplar
<b>HE</b>	Hemlock	<b>NS</b>	Norway Spruce	<b>RM</b>	Red Maple
<b>WP</b>	White Pine	<b>PC</b>	Pin Cherry	<b>RO</b>	Red Oak
<b>RP</b>	Red Pine	<b>MA</b>	Apple	<b>WA</b>	White Ash
<b>JP</b>	Jack Pine	<b>SP</b>	Scots Pine	<b>EM</b>	Elm
<b>CE</b>	Cedar	<b>AP</b>	Austrian Pine	<b>GB</b>	Gray Birch
<b>LA</b>	Larch	<b>YB</b>	Yellow Birch	<b>AL</b>	Alders
<b>BS</b>	Black Spruce	<b>SM</b>	Sugar Maple	<b>LI</b>	Linden
<b>RS</b>	Red Spruce	<b>BE</b>	Beech	<b>DT</b>	Dead Tree

#### PERCENT

<b>0</b>	1 - 9%
<b>1</b>	10 - 19%
<b>2</b>	20 - 29%
<b>3</b>	30 - 39%
<b>4</b>	40 - 49%
<b>5</b>	50 - 59%
<b>6</b>	60 - 69%
<b>7</b>	70 - 79%
<b>8</b>	80 - 89%
<b>9</b>	90 - 100%

#### CROWN CLOSURE

<b>A</b>	91% - 100%
<b>B</b>	81% - 90%
<b>C</b>	71% - 80%
<b>D</b>	61% - 70%
<b>E</b>	51% - 60%
<b>F</b>	41% - 50%
<b>G</b>	31% - 40%
<b>H</b>	21% - 30%
<b>I</b>	11% - 20%
<b>J</b>	0% - 10%

#### ORIGIN AND HISTORY

<b>BR</b> - Burn	<b>DI</b> - Disease-Insect
<b>BD</b> - Blow Down	<b>OF</b> - Old Field
<b>PC</b> - Partial Cut	<b>PN</b> - Plantation
<b>CC</b> - Clear Cut	<b>HR</b> - Hedgerow
<b>TH</b> - Thinning	<b>EP</b> - Excavation Pit

#### SAMPLE DESCRIPTIONS

##### FOREST STAND DESCRIPTIONS

75401 - Stand No.

SM5RM4 - Sugar Maple 50%. Red Maple 40%

WS1 12A - White Spruce 10%. Height. Crown Closure

OF - Origin History Old Field

Stand Numbering relates to the position of the stand within a 100 X 100 grid cell overlay with the minimum values in the southwest corner and the maximum values in the northeast corner.

A stand labeled 75 40 1 would be positioned within easting grid 75 and northing grid 40 and would be the first stand within that grid cell.

#### NON-FOREST LAND TYPES

<b>BO</b>	Bog	<b>AL</b>	Alders
<b>CL</b>	Clear Land	<b>FL</b>	Flowerage
<b>SO</b>	Swamps-Open	<b>AG</b>	Agriculture Land
<b>EP</b>	Excavation Pit	<b>SD</b>	Sand Dune
<b>PL</b>	Power Line	<b>UR</b>	Urban
<b>C</b>	Cemetery	<b>WW</b>	Water

#### FOREST GROUND CONDITIONS

<b>SW</b>	Wet-Swampy
<b>ST</b>	Steep
<b>SY</b>	Sandy

## Appendix F. Stand Tally Sheets from on the Ground Assessment

STAND TALLY SHEET													
CRUISER	J.LeClair + M.Buchanan			STAND #	480478			PLANTATION #	3851621				
PROPERTY #	66001			AREA	0.70 ha			Date	12 /	2 /	2024		
									D	M	Y		
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	BF	39	15.6	13.5	30	4							
2						5							
3						6							
STAND INFORMATION													
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha	
Species and (%)	BF10	%	%	%	%								
Even-aged	X		Uneven-aged							Biomass			
Slope	0	%	Aspect										
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed						
	Windfall		Non Forest				Ploughed						
	Clear Cut		Unknown										
Stand Maturity Class:	Regeneration				Immature	X	Mature		Over-mature				
Stand Stocking:	Understocked			X	Fully Stocked	X	Overstocked		Patchy				
Density:	SW	2,200	HW	0									
Advanced Regeneration:	Understocked			X	Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp.		Height		2. Spp.		Height						
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:	Snow cover no vegetation visible												
Ground Hemlock	Y / N	X											
Invasive Species Present		Y / N	X		If yes then what species:								
Site Indicators		Y / N	X		If yes then what species:								
ENVIRONMENTAL OBSERVATIONS													
Water Course	NA		Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor		Moderate		Good	X	Excellent				Erosion Control Required	Y / N	
Snag Trees:	Adequate		Inadequate	X									
Coarse Woody Material:	Adequate		Inadequate	X									
Dens			Nests (Raptors, songbirds, etc.)										
Wildlife Observed	Red Squirrel												
Comments													
STAND PRESCRIPTION													
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut	X					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut						
Commercial Thinning			Afforestation		Site Preparation	X							
Pre-commercial Thinning			Reforestation	X	Riparian Zone Mgmt								
Pln. Maint.	X	Y / N	Stems/Ha										
Comments:	<u>1m X 2m spacing with no sign of ground vegetation or regeneration. Too late for a commercial thinning as crowns less than 30% live. Monitor stand for signs of severe stand decline or significant blowdown, then block harvest. Could plant WS, RS, BS, WP, CE, RO, RM, YB or WA. May need to firesmart southern section of this stand where close to buildings (30 m radius).</u>												

STAND TALLY SHEET											
CRUISER	M. Buchanan + J. LeClair		STAND #	480417		PLANTATION #					
PROPERTY #	66001 Wellington Centre		AREA	4.96 ha		Date	12 /	2 /	2024		
							D	M	Y		
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WS	55	32.4cm	16	60	4					
2	LA	55	24cm	17m	30	5					
3	BF	55	24.6cm	16m	30	6					
STAND INFORMATION											
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha
Species and (%)	WS 70 %	BF10 %	WA10 %				WB,AL,LA,RM, SP 10%				
Even-aged X	Uneven-aged								Biomass		
Slope	0 %	Aspect									
Stand Origin:	Old Field X	Partial Cut	Burn		Unploughed						
	Windfall	Non Forest			Ploughed X						
	Clear Cut	Unknown									
Stand Maturity Class:	Regeneration		Immature X		Mature X		Over-mature				
Stand Stocking:	Understocked X		Fully Stocked X		Overstocked		Patchy				
Density:	SW 1,500	HW 100									
Advanced Regeneration:	Understocked X		Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp.	RM	Height	2m	2. Spp.	Height					
	3. Spp.		Height		4. Spp.	Height					
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	red elder, raspberry (SNOW COVER DURING INVENTORY)										
Ground Hemlock	Y / N	X									
Invasive Species Present	Y / N	X	If yes then what species:								
Site Indicators	Y / N	X	If yes then what species:								
ENVIRONMENTAL OBSERVATIONS											
Water Course	Y	Bog	Pond	Stream X	Seeps	Beaver Present	Y / N				
Drainage:	Poor	Moderate X	Good X	Excellent	Erosion Control Required	Y / N					
Snag Trees:	Adequate	Inadequate X									
Coarse Woody Material:	Adequate	Inadequate X									
Dens	Nests (Raptors, songbirds, etc.)										
Wildlife Observed	Red squirrel tracks and owl flying										
Comments	Buffer stream at least 15 m										
STAND PRESCRIPTION											
No Treatment	Regeneration Cut	Crop Tree Release	Block Cut X								
Shelterwood Cut	Selection Cut X	Patch Cut	Strip Cut								
Commercial Thinning	Afforestation	Site Preparation									
Pre-commercial Thinning	Reforestation X	Riparian Zone Mgmt									
Pln. Maint.	X Y / N	Stems/Ha									
Comments:	<p>Old field white spruce that should be Block harvested if starts to significantly decline (about 3.6 ha of the stand).</p> <p>Some significant blowdown in the stand. Not a lot of regeneration present except in canopy gaps. Could plant WP, WS, RS, LA, YB, SM or RO. Within 30 m of the camp buildings and clearing do a selection cut to remove deadfall, invasive Scot's pine (girdle), and do fire smart work (pruning, fuel removal, tree spacing and other measures found at firesmart.ca</p>										



STAND TALLY SHEET													
CRUISER	Mac Buchanan + Joanna LeClair			STAND #	480384			PLANTATION #	3965193				
PROPERTY #	66001 Wellington Centre			AREA	1.47	ha	Date	12 / 2 / 2024	D	M	Y		
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WP	27	20.3cm	12 m	50	4							
2	LA	27	12cm	9 m	40	5							
3						6							
STAND INFORMATION													
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha	
Species and (%)	WP60	%	LA20	%	BS10	%	RM10	%					
Even-aged	X	Uneven-aged									Biomass		
Slope	0	%	Aspect	L									
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed						
	Windfall		Non Forest		Ploughed	X							
	Clear Cut		Unknown										
Stand Maturity Class:	Regeneration			Immature	X	Mature		Over-mature					
Stand Stocking:	Understocked			Fully Stocked	X	Overstocked		Patchy					
Density:	SW	2,400	HW	200									
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.	BS	Height	1m	2. Spp.		Height						
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:			Wild raisin, Red osier dogwood, Raspberry.										
Ground Hemlock	Y / N	X											
Invasive Species Present	Y / N	X	If yes then what species:										
Site Indicators	Y / N	X	If yes then what species:										
ENVIRONMENTAL OBSERVATIONS													
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N		
Drainage:	Poor	Moderate		Good	X	Excellent		Erosion Control Required	Y / N				
Snag Trees:	Adequate	X	Inadequate										
Coarse Woody Material:	Adequate	X	Inadequate										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed	Red squirrel caches												
Comments													
STAND PRESCRIPTION													
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut							
Commercial Thinning	X	Afforestation		Site Preparation									
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt									
Pln. Maint.	Y / N	Stems/Ha											
Comments:	<p>WP plantation that could use a commercial thinning to open up the stand and improve airflow to counteract white pine blister rust as well as increase growth. This stand could also use a White Pine pruning to improve crop trees. PN is 1.47 of a 1.99 ha stand.</p>												

STAND TALLY SHEET												
CRUISER	J. LeClair + M. Buchanan		STAND #	480409		PLANTATION #	3590005					
PROPERTY #	66001 Wellington Centre		AREA	0.97	ha	Date	12 /	2 /	2024			
							D	M	Y			
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	BF	65	24.1cm	16m	30	4						
2	WS	65	28.9cm	16m	30	5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)	BF70	%	WS10	%	SP10	%	PO,LA,RP,RM	10%				
Even-aged X	Uneven-aged									Biomass		
Slope	0	%	Aspect									
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration			Immature		Mature	X		Over-mature			
Stand Stocking:	Understocked			Fully Stocked	X	Overstocked			Patchy			
Density:	SW	1,600	HW	200								
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked			Patchy			
Regeneration:	1. Spp.	BF	Height	0.2m		2. Spp.		Height				
	3. Spp.		Height			4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	Wild raisin, bracken fern, common elder ( snow cover)											
Ground Hemlock		Y / N	X									
Invasive Species Present		Y / N	X		If yes then what species:							
Site Indicators		Y / N	X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS												
Water Course	NA		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate		Good	X	Excellent			Erosion Control Required		Y / N
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:	Adequate	X	Inadequate									
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed	Red Squirrel											
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut	X	Patch Cut		Strip Cut					
Commercial Thinning			Afforestation		Site Preparation							
Pre-commercial Thinning			Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.		Y / N	Stems/Ha									
Comments:	BF dominant stand with some blowdown and snags present. This stand is East of the camp. Selection cuts to remove declining trees could be done to maintain privacy for the camp while keeping the stand healthy, as this stand screens the camp from the trail head. Could consider enrichment planting WP, WS, SM, RO or YB to increase species diversity and create an unevenaged stand. Should also remove invasive specie Scot's Pine by girdling to create wildlife trees.											



STAND TALLY SHEET												
CRUISER	J. LeClair			STAND #	480385		PLANTATION #	3965194				
PROPERTY #	66001 Wellington Centre			AREA	1.56 ha		Date	27 /	8 /	2024		
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	LA	28	14.9	14	40	4						
2	BF	28	14.5	12	40	5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	LA50	%	BF30	%	WP10	%	WS, RM 10%					
Even-aged	X		Uneven-aged							Biomass		
Slope	0 %		Aspect	L								
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration			Immature	X		Mature		Over-mature			
Stand Stocking:	Understocked			Fully Stocked	X		Overstocked		Patchy			
Density:	SW	2,800	HW	100								
Advanced Regeneration:	Understocked		X	Fully Stocked			Overstocked		Patchy	X		
Regeneration:	1. Spp.	BF		Height	3-5 m		2. Spp.		Height			
	3. Spp.			Height			4. Spp.		Height			
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	Bunchberry, dwarf raspberry, starflower, feather moss											
Ground Hemlock		Y / N	X									
Invasive Species Present		Y / N	X		If yes then what species:							
Site Indicators		Y / N	X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS												
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate		Good	X	Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:	Adequate	X	Inadequate									
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed												
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning		X	Afforestation		Site Preparation							
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt							
Pln. Maint.		Y / N	Stems/Ha									
Comments:	<p>Could use a commercial thinning, but would take out only 10-20% as opposed to a whole 30% as the tree species is not windfirm. Would also leave a buffer along the road unthinned to act as a windbreak and protect the remaining stand.</p>											

STAND TALLY SHEET												
CRUISER		J. LeClair		STAND #		481108		PLANTATION #				
PROPERTY #		66001 Wellington Centre		AREA		3.28 ha		Date		27 /	8 /	2024
										D	M	Y
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WS	75	28.7	18	45	4						
2	BF	75	29.5	15	50	5						
3						6						
STAND INFORMATION												
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)		WS70	%	BF20	%			RM, PO, YB 10%				
Even-aged		X		Uneven-aged				Biomass				
Slope		0 %		Aspect		L						
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature		Mature		X		Over-mature		
Stand Stocking:		Understocked		Fully Stocked		X		Overstocked		Patchy		
Density:		SW	1,400	HW	100							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp. BF		Height 1-5 m		2. Spp. WA		Height 3 m				
		3. Spp. RM		Height 5 m		4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		blue bead lily, starflower, interrupted fern, schreber's moss, wild raisin										
Ground Hemlock		Y / N		X								
Invasive Species Present		Y / N		X		If yes then what species:						
Site Indicators		Y / N		X		If yes then what species:						
ENVIRONMENTAL OBSERVATIONS												
Water Course		N	Bog	Pond	Stream	Seeps	Beaver Present		Y / N			
Drainage:		Poor	Moderate	X	Good	Excellent	Erosion Control Required		Y / N			
Snag Trees:		Adequate	X	Inadequate								
Coarse Woody Material:		Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed		Chickadees.										
Comments												
STAND PRESCRIPTION												
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut						
Shelterwood Cut		Selection Cut		Patch Cut		X		Strip Cut				
Commercial Thinning		Afforestation		Site Preparation								
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt								
Pln. Maint.		Y / N		Stems/Ha								
Comments:		Small section of this stand has significant blowdown south of Brookside road (overmature WS and PO). A patch cut could be done to clean up the blowdown while allowing an opening for natural regeneration (0.3 ha of a 3.28 ha stand). Remainder of the stand has primarily hardwoods (RM, YB) and would be no treatment. Regeneration would be natural from adjacent hardwoods.										

STAND TALLY SHEET												
CRUISER		J.LeClair		STAND #		480449		PLANTATION #		3140061		
PROPERTY #		66001 Wellington Centre		AREA		2.50 ha		Date		27 / 8 / 2024		
								D		M Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	RO	10	1.8	2.7	60	4						
2	WA	10	2.7	3.4	50	5						
3	RM	10	5	8.2	60	6						
STAND INFORMATION												
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)		RM30 %	RO20 %	WA10 %	WB10 %	AI, WS, BF, RP 20%, PO 10%						
Even-aged X		Uneven-aged						Biomass				
Slope		0 %		Aspect		L						
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration X		Immature		Mature		Over-mature				
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy				
Density:		SW	100	HW	5,300							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked X		Patchy				
Regeneration:		1. Spp. RM		Height 2-5 m		2. Spp. RO		Height 2.5-4 m				
		3. Spp. WA		Height 3 m		4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:				Alternate leaved dogwood, bunchberry, meadowsweet, white aster, wild raisin								
Ground Hemlock				Y / N		X						
Invasive Species Present				X		Y / N		If yes then what species: Common buckthorn seen near road.				
Site Indicators				Y / N		X		If yes then what species:				
ENVIRONMENTAL OBSERVATIONS												
Water Course		N	Bog	Pond	Stream	Seeps	Beaver Present		Y / N			
Drainage:		Poor	Moderate	X	Good	X	Excellent	Erosion Control Required		Y / N		
Snag Trees:		Adequate	X	Inadequate								
Coarse Woody Material:		Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed		Common yellowthroat seen										
Comments												
STAND PRESCRIPTION												
No Treatment		Regeneration Cut		Crop Tree Release		X		Block Cut				
Shelterwood Cut		Selection Cut		Patch Cut				Strip Cut				
Commercial Thinning		Afforestation		Site Preparation								
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt								
Pln. Maint.		Y / N		Stems/Ha								
Comments:		A crop tree pruning should be done on quality hardwoods. Monitor for trees to be of size enough for a crop tree release.										

STAND TALLY SHEET											
CRUISER	J. LeClair		STAND #	480383		PLANTATION #	3965191				
PROPERTY #	66001 Wellington Centre		AREA	0.76 ha		Date	30 /	8 /	2024		
							D	M	Y		
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	LA	28	15.3	12	35	4					
2	RM	28	11	12	55	5					
3	GB	28	12.5	11	45	6					
STAND INFORMATION											
Stand Basal Area	SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)	LA50	%	RM20	%	GB10	%	WB10	%	BS/BF 10%		
Even-aged			Uneven-aged	X					Biomass		
Slope	0 %		Aspect	L							
Stand Origin:	Old Field			Partial Cut			Burn			Unploughed	
	Windfall			Non Forest						Ploughed	X
	Clear Cut			Unknown							
Stand Maturity Class:	Regeneration		X		Immature	X		Mature			Over-mature
Stand Stocking:	Understocked				Fully Stocked	X		Overstocked			Patchy
Density:	SW	1,600	HW	600							
Advanced Regeneration:	Understocked		X		Fully Stocked			Overstocked			Patchy
Regeneration:	1. Spp.	BF	Height		2-3 m	2. Spp.	RM	Height		2-3 m	
	3. Spp.	BS	Height		2-3 m	4. Spp.		Height			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	Alternate leaved dogwood, white and purple aster, mountain holly, wild raisin, goldenrod, fireweed, bunchberry, lowbush blueberry										
Ground Hemlock	Y / N		X								
Invasive Species Present	Y / N		X		If yes then what species:						
Site Indicators	X		Y / N		If yes then what species: wool grass - wet						
ENVIRONMENTAL OBSERVATIONS											
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	
Drainage:	Poor	X	Moderate	X		Good	Excellent		Erosion Control Required		Y / N
Snag Trees:	Adequate	X		Inadequate							
Coarse Woody Material:	Adequate		X		Inadequate						
Dens	Nests (Raptors, songbirds, etc.)										
Wildlife Observed	Bluejays, downy woodpecker										
Comments											
STAND PRESCRIPTION											
No Treatment			Regeneration Cut				Crop Tree Release				Block Cut
Shelterwood Cut			Selection Cut		X		Patch Cut				Strip Cut
Commercial Thinning			Afforestation				Site Preparation				
Pre-commercial Thinning			Reforestation		X		Riparian Zone Mgmt				
Pln. Maint.	X	Y / N	Stems/Ha								
Comments:	Approximately 30% blowdown in the stand. Some has been cleaned up in the past. LA is still standing along the southern edge of the stand. Recommend selection cuts to transition stand by removing overmature trees and salvage wood. Attempts should be made during harvest to protect any spruce regeneration under the LA. May need a maintenance in the future as pockets of regeneration class crop trees exist.										

STAND TALLY SHEET												
CRUISER		J. LeClair		STAND #		480413		PLANTATION #				
PROPERTY #		66001 Wellington Centre		AREA		1.18 ha		Date		27 / 8 / 2024		
								D		M Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WS	48	44.8	18	35	4						
2	RM	48	27	16	55	5						
3						6						
STAND INFORMATION												
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)		WS40 %	RM30 %	BF20 %	WB10 %							
Even-aged		X		Uneven-aged		Biomass						
Slope		0 %		Aspect		L						
Stand Origin:		Old Field		X		Partial Cut		Burn		Unploughed		
		Windfall				Non Forest				Ploughed		
		Clear Cut				Unknown						
Stand Maturity Class:		Regeneration				Immature				Mature		X
		Over-mature				X						
Stand Stocking:		Understocked				Fully Stocked		X		Overstocked		
		Patchy										
Density:		SW	600	HW	400							
Advanced Regeneration:		Understocked		X		Fully Stocked				Overstocked		
		Patchy										
Regeneration:		1. Spp. BF		Height		1-2 m		2. Spp. RM		Height		5 m
		3. Spp.		Height				4. Spp.		Height		
GROUND OBSERVATIONS												
Ground Vegetation Species Present:				Wild raspberry, dwarf raspberry, elderberry, wildrose								
Ground Hemlock				Y / N		X						
Invasive Species Present				Y / N		X		If yes then what species:				
Site Indicators				Y / N		X		If yes then what species:				
ENVIRONMENTAL OBSERVATIONS												
Water Course		Y		Bog				Pond				
Stream		X		Seeps				Beaver Present		Y / N		
Drainage:		Poor		Moderate		X		Good		X		
Excellent				Erosion Control Required				Y / N				
Snag Trees:		Adequate		X		Inadequate						
Coarse Woody Material:		Adequate		X		Inadequate						
Dens				Nests (Raptors, songbirds, etc.)								
Wildlife Observed		Red squirrel										
Comments		Grand river buffer 15 m.										
STAND PRESCRIPTION												
No Treatment				Regeneration Cut				Crop Tree Release				
Shelterwood Cut				Selection Cut		X		Patch Cut				
Commercial Thinning				Afforestation				Site Preparation				
Pre-commercial Thinning				Reforestation		X		Riparian Zone Mgmt				
Pln. Maint.		Y / N		Stems/Ha								
Comments:		<u>Selection cut to clear blowdown when necessary. Snags can be kept for wildlife habitat. Could underplant long lived shade tolerant tree species and manage as an uneven-aged stand. This stand is next to the camp and provides privacy for camp activities, screening the open area of the camp from the public trail head. Keeping it largely intact also serves as an additional buffer zone along the Grand River. Could enrichment plant if not enough natural regeneration with WS, RS, WP, YB or SM.</u>										

STAND TALLY SHEET												
CRUISER	J.LeClair			STAND #	480561		PLANTATION #	4000003				
PROPERTY #	66001 Wellington Centre			AREA	0.43 ha		Date	29 /	8 /	2024		
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WS	24	15.5	13	40	4						
2						5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS100 %		%		%							
Even-aged X	Uneven-aged									Biomass		
Slope	0 %	Aspect	L									
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration			Immature X		Mature		Over-mature				
Stand Stocking:	Understocked			Fully Stocked		Overstocked X		Patchy				
Density:	SW	3,400	HW									
Advanced Regeneration:	Understocked X			Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp.		Height		2. Spp.		Height					
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	ghost pipe, moss (ground vegetation very sparse)											
Ground Hemlock	Y / N	X										
Invasive Species Present	Y / N	X		If yes then what species:								
Site Indicators	Y / N	X		If yes then what species:								
ENVIRONMENTAL OBSERVATIONS												
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate		Good	X	Excellent			Erosion Control Required	Y / N	
Snag Trees:	Adequate		Inadequate	X								
Coarse Woody Material:	Adequate		Inadequate	X								
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed												
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning		X	Afforestation		Site Preparation							
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt							
Pln. Maint.	Y / N		Stems/Ha									
Comments:	<p>Could use a modified commercial thin in the next year before crowns decline too much. Would free up healthy crowns of crop trees by taking out smaller, less quality stems. Trees taken out may not be commercial grade, but will improve remaining stand for the future and can be left on site if no market for them to add coarse woody material to the forest floor.</p>											

STAND TALLY SHEET											
CRUISER	J. LeClair			STAND #	480475			PLANTATION #	3210130		
PROPERTY #	66001 Wellington Centre			AREA	0.39 ha			Date	26 /	8 /	2024
									D	M	Y
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	RM	2	1.8	2.4	60	4					
2	LA	2	0.6	1.4	80	5					
3	AI	2	0.5	2.6	90	6					
STAND INFORMATION											
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha
Species and (%)	RM20	%	AI20	%	LA20	%	BF20	%	Mountain Ash, , GB, WB, WP 20%		
Even-aged X	Uneven-aged						Biomass				
Slope	0 %	Aspect		L							
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration X			Immature		Mature		Over-mature			
Stand Stocking:	Understocked			Fully Stocked		Overstocked X		Patchy			
Density:	SW	600	HW	2,000							
Advanced Regeneration:	Understocked			Fully Stocked		Overstocked X		Patchy			
Regeneration:	1. Spp.	RM	Height	1-2m	2. Spp.	LA	Height	1-2m			
	3. Spp.	BF	Height	0.5-2 m	4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	meadow sweet, asters, goldenrod										
Ground Hemlock	Y / N	X									
Invasive Species Present	Y / N	X	If yes then what species:								
Site Indicators	Y / N	X	If yes then what species:								
ENVIRONMENTAL OBSERVATIONS											
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor X	Moderate	X	Good		Excellent		Erosion Control Required			Y / N
Snag Trees:	Adequate X	Inadequate									
Coarse Woody Material:	Adequate X	Inadequate									
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	None seen.										
Comments											
STAND PRESCRIPTION											
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning		Afforestation		Site Preparation							
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha							
Comments:	Could do a maintenance in the next few years. PN is 0.39 ha of a 1.63 ha stand (480475).										

STAND TALLY SHEET												
CRUISER	J. LeClair		STAND #	480812		PLANTATION #	4000004					
PROPERTY #	66001 Wellington Centre		AREA	0.13 ha		Date	22 /	8 /	2024			
							D	M	Y			
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	RO	24	9.5	14	55	4						
2	RO	24	12	14.2	50	5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)	RO40	%	BF30	%	BS20	%	GB, RM 10%					
Even-aged X	Uneven-aged									Biomass		
Slope	0 %	Aspect	L									
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration			Immature X		Mature		Over-mature				
Stand Stocking:	Understocked			Fully Stocked		Overstocked X		Patchy				
Density:	SW	3,000	HW	1,600								
Advanced Regeneration:	Understocked X			Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp.		Height		2. Spp.		Height					
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	starflower, moss, wild raisin											
Ground Hemlock	Y / N	X										
Invasive Species Present	Y / N	X	If yes then what species:									
Site Indicators	Y / N	X	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS												
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor	Moderate		Good	X	Excellent		Erosion Control Required	Y / N			
Snag Trees:	Adequate	Inadequate X										
Coarse Woody Material:	Adequate	Inadequate X										
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed	None											
Comments												
STAND PRESCRIPTION												
No Treatment		Regeneration Cut		Crop Tree Release	X	Block Cut						
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut						
Commercial Thinning		Afforestation		Site Preparation								
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt								
Pln. Maint.	Y / N	Stems/Ha										
Comments:	<u>Very dense understory of BF/BS. RO crowns still healthy but spacing dense enough that a crop tree release in the next few years may be beneficial, combined with a hardwood pruning of quality stems. PN is 0.13 of a 0.47 ha stand (480812).</u>											



STAND TALLY SHEET												
CRUISER	J. LeClair		STAND #	480812		PLANTATION #	4000009					
PROPERTY #	66001 Wellington Centre		AREA	0.31 ha		Date	22 /	8 /	2024			
							D	M	Y			
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	RO	24	12.8	15	40	4						
2	BS	24	7.5	8	70	5						
3	BF	24	9	7	70	6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)	RO60	%	BS10	%	BF20	%	RM10	%				
Even-aged	X		Uneven-aged					Biomass				
Slope	0	%	Aspect	L								
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest					Ploughed				
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration			Immature	X		Mature		Over-mature			
Stand Stocking:	Understocked			Fully Stocked	X		Overstocked	X	Patchy			
Density:	SW	2,200	HW	2,000								
Advanced Regeneration:	Understocked			Fully Stocked			Overstocked		Patchy			
Regeneration:	1. Spp.	RO	Height	1 m	2. Spp.	RM	Height	1-2 m				
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	trillium, starflower											
Ground Hemlock	Y / N	X										
Invasive Species Present	Y / N	X	If yes then what species:									
Site Indicators	Y / N	X	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS												
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate	X	Good	X	Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate		Inadequate	X								
Coarse Woody Material:	Adequate		Inadequate	X								
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed	None seen.											
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release	X	Block Cut					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning			Afforestation		Site Preparation							
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt							
Pln. Maint.	Y / N		Stems/Ha									
Comments:	Some nice RO in the stand that could benefit from a crop tree release and hardwood pruning of quality stems. PN is 0.31 of a 0.47 ha stand (480812).											

STAND TALLY SHEET											
CRUISER	J. LeClair			STAND #	480454		PLANTATION #	3965241			
PROPERTY #	66001 Wellington Centre			AREA	0.39 ha		Date	27 /	8 /	2024	
								D	M	Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	BF	28	19.3	12	50	4					
2	LA	28	14.5	10	30	5					
3						6					
STAND INFORMATION											
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha
Species and (%)	BF90	%		%		%	LA, PC 10%				
Even-aged X	Uneven-aged									Biomass	
Slope	0 %	Aspect	L								
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration			Immature	X	Mature		Over-mature			
Stand Stocking:	Understocked			Fully Stocked		Overstocked	X	Patchy			
Density:	SW	2,200	HW	200							
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy		X	
Regeneration:	1. Spp.	BF	Height	1-2 m	2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	starflower, false lily of the valley, wild raisin										
Ground Hemlock	Y / N	X									
Invasive Species Present	Y / N	X		If yes then what species:							
Site Indicators	Y / N	X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor	Moderate	X	Good	X	Excellent		Erosion Control Required			Y / N
Snag Trees:	Adequate		Inadequate	X							
Coarse Woody Material:	Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	None seen.										
Comments											
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning	X	Afforestation		Site Preparation							
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt							
Pln. Maint.	Y / N	Stems/Ha									
Comments:	Could do a commercial thin to improve crop trees by reducing density and allowing more light into the stand.										

STAND TALLY SHEET											
CRUISER		J. LeClair		STAND #		480451		PLANTATION #		3965192	
PROPERTY #		66001 Wellington Centre		AREA		0.3 ha		Date		27 / 8 / 2024	
								D		M Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	BF	28	18.2	15	40	4					
2	LA	28	19.7	16	40	5					
3						6					
STAND INFORMATION											
Stand Basal Area		SW		M <sup>2</sup> /Ha		SWSL		M <sup>2</sup> /Ha		HW	
Species and (%)		BF60 %		LA30 %		RM10 %					
Even-aged X		Uneven-aged								Biomass	
Slope		0 %		Aspect		L					
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed			
		Windfall		Non Forest				Ploughed			
		Clear Cut		Unknown							
Stand Maturity Class:		Regeneration		Immature X		Mature		Over-mature			
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy			
Density:		SW 2,200		HW							
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy		X	
Regeneration:		1. Spp. BF		Height 3 m		2. Spp.		Height			
		3. Spp.		Height		4. Spp.		Height			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:											
Ground Hemlock		Y / N		X							
Invasive Species Present		Y / N		X		If yes then what species:					
Site Indicators		Y / N		X		If yes then what species:					
ENVIRONMENTAL OBSERVATIONS											
Water Course		N		Bog		Pond		Stream		Seeps	
Drainage:		Poor		Moderate X		Good X		Excellent		Erosion Control Required	
Snag Trees:		Adequate		Inadequate X							
Coarse Woody Material:		Adequate		Inadequate X							
Dens				Nests (Raptors, songbirds, etc.)							
Wildlife Observed		Red squirrel									
Comments											
STAND PRESCRIPTION											
No Treatment				Regeneration Cut				Crop Tree Release		Block Cut	
Shelterwood Cut				Selection Cut				Patch Cut		Strip Cut	
Commercial Thinning		X		Afforestation				Site Preparation			
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt			
Pln. Maint.		Y / N		Stems/Ha							
Comments:		Could do a commercial thin to improve crop trees by reducing density and allowing more light into the stand.									

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		480877		PLANTATION #		3170111			
PROPERTY #		66001 Wellington Centre		AREA		0.29 ha		Date		26 / 8 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WS	7	0.8 cm	1.4 m	90	4							
2	GB	7	3.5 cm	3.8 m	90	5							
3	WP	7	1.1 cm	2.3 m	90	6							
STAND INFORMATION													
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha	
Species and (%)		WS30 %	GB20 %	WP20 %	BF10 %	LA, WB, RM, RO, AI 20%							
Even-aged X		Uneven-aged		Biomass									
Slope		0 %		Aspect		L							
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration X		Immature		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy					
Density:		SW	1,600		HW	1,600							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked X		Patchy					
Regeneration:		1. Spp. WS		Height 1-2 m		2. Spp. GB		Height 2-3 m					
		3. Spp. WP		Height 1-2 m		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		fireweed, golden rod, wild raisin, raspberry											
Ground Hemlock		Y / N		X									
Invasive Species Present		Y / N		X		If yes then what species:							
Site Indicators		Y / N		X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS													
Water Course		N		Bog		Pond		Stream		Seeps		Beaver Present Y / N	
Drainage:		Poor		Moderate		Good X		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate X									
Coarse Woody Material:		Adequate X		Inadequate									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		None seen.											
Comments													
STAND PRESCRIPTION													
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut							
Commercial Thinning		Afforestation		Site Preparation									
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt									
Pln. Maint.		X Y / N		Stems/Ha									
Comments:		Could use a manual maintenance but it may increase the risk of pine weevil if done too soon. PN is 0.29 ha of a 0.75 ha stand (480877). A hardwood pruning of RO could also be considered to improve quality stems.											

STAND TALLY SHEET												
CRUISER	J. LeClair		STAND #	480468		PLANTATION #						
PROPERTY #	66001 Wellington Centre		AREA	2.09	ha	Date	21 /	8 /	2024			
							D	M	Y			
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	BF	66	37.4	16	40	4						
2	YB	20	12.4	9	50	5						
3	PO	20	10.6	10	35	6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)	BF30	%	WS20	%	WA10	%	YB10	%	RM, PO, RO 30%			
Even-aged			Uneven-aged	X					Biomass			
Slope	0 %		Aspect	L								
Stand Origin:	Old Field	X	Partial Cut			Burn			Unploughed			
	Windfall		Non Forest					Ploughed	X			
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration				Immature	X		Mature	X		Over-mature	X
Stand Stocking:	Understocked				Fully Stocked	X		Overstocked			Patchy	
Density:	SW	1,200	HW	2,800								
Advanced Regeneration:	Understocked				Fully Stocked	X		Overstocked			Patchy	
Regeneration:	1. Spp.	WA	Height	2 m		2. Spp.	BF	Height	1-5 m			
	3. Spp.	RO	Height	3.5 m		4. Spp.	RM	Height	1-5 m			
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	highbush cranberry, strawberry, bracken fern, blackberry											
Ground Hemlock	Y / N		X									
Invasive Species Present	Y / N		X		If yes then what species:							
Site Indicators	Y / N		X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS												
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor	Moderate	X	Good	X	Excellent		Erosion Control Required		Y / N		
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:	Adequate	X	Inadequate									
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed	None seen.											
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut			Crop Tree Release			Block Cut			
Shelterwood Cut			Selection Cut			Patch Cut			Strip Cut			
Commercial Thinning			Afforestation			Site Preparation						
Pre-commercial Thinning			Reforestation			Riparian Zone Mgmt						
Pln. Maint.	Y / N		Stems/Ha									
Comments:	Could prune hardwoods (YB, RO) in the stand. Overmature BF and WS is leaving snags for wildlife use. This used to be a Christmas tree plantation (BF) and the educational trail goes through it. As the BF has been dying out, this stand is now transitioning to a mixed-wood with various age-classes.											

STAND TALLY SHEET													
CRUISER	J. LeClair, M. Buchanan			STAND #	480475			PLANTATION #	3230112				
PROPERTY #	66001 Wellington Centre			AREA	0.7	ha	Date	11 /	10 /	2024			
								D	M	Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	CE	1	-	0.3 m	95	4							
2	RO	1	-	0.3 m	95	5							
3	RM	1	-	0.4 m	95	6							
STAND INFORMATION													
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha	
Species and (%)	BS40	%	CE30	%	RO10	%	RM10	%	SM, GB	10%			
Even-aged	X		Uneven-aged									Biomass	
Slope	0	%	Aspect										
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed						
	Windfall		Non Forest				Ploughed						
	Clear Cut	X	Unknown										
Stand Maturity Class:	Regeneration	X	Immature		Mature		Over-mature						
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy						
Density:	SW		HW										
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy						
Regeneration:	1. Spp.	CE	Height	0.3	2. Spp.	RO	Height	0.3					
	3. Spp.	RM	Height	0.3-0.2	4. Spp.	BS	Height	0.2					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:	Common elder, raspberry, wild strawberry, asters												
Ground Hemlock		Y / N	X										
Invasive Species Present		Y / N	X		If yes then what species:								
Site Indicators		Y / N	X		If yes then what species:								
ENVIRONMENTAL OBSERVATIONS													
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor		Moderate	X	Good		Excellent				Erosion Control Required	Y / N	
Snag Trees:	Adequate	X	Inadequate										
Coarse Woody Material:	Adequate	X	Inadequate										
Dens			Nests (Raptors, songbirds, etc.)										
Wildlife Observed	None seen.												
Comments													
STAND PRESCRIPTION													
No Treatment					Regeneration Cut				Crop Tree Release			Block Cut	
Shelterwood Cut					Selection Cut				Patch Cut			Strip Cut	
Commercial Thinning					Afforestation				Site Preparation				
Pre-commercial Thinning					Reforestation				Riparian Zone Mgmt				
Pln. Maint.	X	Y / N		Stems/Ha									
Comments:	This was an old norway spruce planation which experienced high levels of blowdown during hurricane Fiona and was replanted. Assess in 2026 to see if a plantation maintenance is required. PN is 0.7 ha of 1.63 ha stand 480475. CE and RO doing well.												

STAND TALLY SHEET											
CRUISER	J. Leclair		STAND #	480877		PLANTATION #	3965202				
PROPERTY #	66001 Wellington Centre		AREA	0.08 ha		Date	26 /	8 /	2024		
							D	M	Y		
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	YB	28	15.8	12	60	4					
2	RM	28	16.9	13	60	5					
3						6					
STAND INFORMATION											
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha
Species and (%)	YB	%	RM	%	WB	%	AI	%	BF		
Even-aged X	Uneven-aged									Biomass	
Slope	0 %	Aspect	L								
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration			Immature X		Mature		Over-mature			
Stand Stocking:	Understocked			Fully Stocked X		Overstocked		Patchy			
Density:	SW	100	HW	1,800							
Advanced Regeneration:	Understocked X			Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.	Apple	Height	2 m		2. Spp.	AI	Height	2 m		
	3. Spp.	BF	Height	1-2 m		4. Spp.	YB	Height	2 m		
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	Speckled alder, wild rose, dwarf raspberry, bracken fern, goldenrod										
Ground Hemlock	Y / N	X									
Invasive Species Present	Y / N	X		If yes then what species:							
Site Indicators	Y / N	X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor	Moderate	X	Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate	X	Inadequate								
Coarse Woody Material:	Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	None seen.										
Comments											
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release	X	Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation						
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt						
Pln. Maint.	Y / N	Stems/Ha									
Comments:	Could consider doing a crop tree release sometime in the next 10 year period favouring YB with good form, combined with a hardwood pruning of quality trees. PN is 0.08 of a 0.75 ha stand (480877).										

STAND TALLY SHEET											
CRUISER		J. LeClair		STAND #		480421		PLANTATION #		3210131	
PROPERTY #		66001		AREA		0.58 ha		Date		21 / 8 / 2024	
								D		M Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WS	3	-	1	90	4					
2	RO	3	0.7	1.8	80	5					
3	RM	3	-	1.2	80	6					
STAND INFORMATION											
Stand Basal Area		SW		M <sup>2</sup> /Ha		SWSL		M <sup>2</sup> /Ha		HW	
Species and (%)		RM20 %		BF20 %		WS20 %		RO20 %		CE 20%	
Even-aged X		Uneven-aged								Biomass	
Slope		0 %		Aspect		L					
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed			
		Windfall		Non Forest				Ploughed X			
		Clear Cut		Unknown							
Stand Maturity Class:		Regeneration X		Immature		Mature		Over-mature			
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy			
Density:		SW 1,000		HW 3,000							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked X		Patchy			
Regeneration:		1. Spp. WS		Height 1.0 m		2. Spp. RO		Height 1-2 m			
		3. Spp. BF		Height 1-5 m		4. Spp. RM		Height 1-2 m			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:		mountain ash, blue-bead lily, goldenrod, raspberry, white aster, wild raisin, bunchberry									
Ground Hemlock		Y / N		X							
Invasive Species Present		Y / N		X		If yes then what species:					
Site Indicators		Y / N		X		If yes then what species:					
ENVIRONMENTAL OBSERVATIONS											
Water Course		N		Bog		Pond		Stream		Seeps	
Drainage:		Poor X		Moderate X		Good		Excellent		Erosion Control Required	
Snag Trees:		Adequate X		Inadequate							
Coarse Woody Material:		Adequate X		Inadequate							
Dens				Nests (Raptors, songbirds, etc.)							
Wildlife Observed		Fall webworm seen.									
Comments											
STAND PRESCRIPTION											
No Treatment				Regeneration Cut				Crop Tree Release		Block Cut	
Shelterwood Cut				Selection Cut				Patch Cut		Strip Cut	
Commercial Thinning				Afforestation				Site Preparation			
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt			
Pln. Maint.		X Y / N		Stems/Ha							
Comments:		RO is doing well but WS is suppressed by shrubs. Could consider doing a plantation maintenance and hardwood crop tree pruning in the next few years.									



STAND TALLY SHEET													
CRUISER	M.Buchanan + L.LeClair			STAND #	480876			PLANTATION #	3150111				
PROPERTY #	66001 Wellington Centre			AREA	2.84	ha	Date	12 /	2 /	2024			
								D	M	Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WS	9	-	2.1	90	4							
2	WP	9	-	2.2	90	5							
3	RO	9	-	2.8	85	6							
STAND INFORMATION													
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha	
Species and (%)	WS30 %	WP30 %	RM20 %		%	RO, WA, BF, WB 20%							
Even-aged X	Uneven-aged					Biomass							
Slope	0 %	Aspect	L										
Stand Origin:	Old Field X	Partial Cut			Burn		Unploughed						
	Windfall	Non Forest				Ploughed							
	Clear Cut X	Unknown											
Stand Maturity Class:	Regeneration X		Immature			Mature			Over-mature				
Stand Stocking:	Understocked X		Fully Stocked			Overstocked			Patchy				
Density:	SW	2,800	HW	5,200									
Advanced Regeneration:	Understocked		Fully Stocked X			Overstocked			Patchy				
Regeneration:	1. Spp.	RO	Height	2-3 m		2. Spp.	WP	Height	2-2.5 m				
	3. Spp.	WS	Height	2-2.5 m		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				Beaked hazelnut, red-osier, mountain ash, golden rod, raspberry									
Ground Hemlock				Y / N	X								
Invasive Species Present				Y / N	X	If yes then what species:							
Site Indicators				Y / N	X	If yes then what species:							
ENVIRONMENTAL OBSERVATIONS													
Water Course	NA	Bog		Pond		Stream		Seeps		Beaver Present	Y / N		
Drainage:	Poor	Moderate	X	Good	X	Excellent		Erosion Control Required		Y / N			
Snag Trees:	Adequate	X	Inadequate										
Coarse Woody Material:	Adequate	X	Inadequate										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments													
STAND PRESCRIPTION													
No Treatment		Regeneration Cut			Crop Tree Release			Block Cut					
Shelterwood Cut		Selection Cut			Patch Cut			Strip Cut					
Commercial Thinning		Afforestation			Site Preparation								
Pre-commercial Thinning		Reforestation			Riparian Zone Mgmt								
Pln. Maint.	X	Y / N	Stems/Ha										
Comments:				A plantation maintenance could be done within the next 10 years, perhaps when WP reaches a height of around 5 m. Thinning should not be done too soon to reduce risk of white pine weevil damage.									

STAND TALLY SHEET												
CRUISER		J. LeClair		STAND # 480818, 480819			PLANTATION # _ 3050112, 3050111					
PROPERTY #		66001 Wellington Centre		AREA		1.09 ha	Date	21 /	8 /	2024		
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WB	19	8	9	45	4	RO	19	6	11	45	
2	YB	19	5.3	9	45	5	WB	19	13.3	11.2	40	
3	BF	19	11.5	8	40	6						
STAND INFORMATION												
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)		BF20 %	WB20 %	RM20 %	YB20 %	RO, PC 20%						
Even-aged X		Uneven-aged						Biomass				
Slope		0 %		Aspect		L						
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed X				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature X		Mature		Over-mature				
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy				
Density:		SW	2,000	HW	2,000							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked X		Patchy				
Regeneration:		1. Spp. BF		Height 1-5 m		2. Spp. PC		Height 2-3 m				
		3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		starflower, elderberry, wild strawberry (mostly in previously harvested strips) not much vegetation under treed strips										
Ground Hemlock		Y / N		X								
Invasive Species Present		Y / N		X		If yes then what species:						
Site Indicators		Y / N		X		If yes then what species:						
ENVIRONMENTAL OBSERVATIONS												
Water Course Y		Bog		Pond		Stream X		Seeps		Beaver Present		Y / N
Drainage:		Poor		Moderate		Good X		Excellent		Erosion Control Required		Y / N
Snag Trees:		Adequate		Inadequate X								
Coarse Woody Material:		Adequate		Inadequate X								
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed		Black-capped Chickadee										
Comments		Grand River south of stand, buffer 15 m										
STAND PRESCRIPTION												
No Treatment				Regeneration Cut				Crop Tree Release X		Block Cut		
Shelterwood Cut				Selection Cut				Patch Cut		Strip Cut		
Commercial Thinning				Afforestation				Site Preparation				
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt				
Pln. Maint.		Y / N		Stems/Ha								
Comments:		A crop tree release combined with a hardwood pruning would benefit the YB, WB, and RO in these stands, as the BF in the stand is dense and having a negative impact on stand health. Can keep some density of BF near the trail (3-5 m each side) for wildlife habitat and wind buffering for the stand.										

STAND TALLY SHEET											
CRUISER		J. LeClair		STAND #		481099		PLANTATION #		3965203	
PROPERTY #		66001 Wellington Centre		AREA		0.46 ha		Date		26 / 8 / 2024	
								D		M Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	RM	28	16.6	11	55	4					
2	YB	28	17.7	13	55	5					
3						6					
STAND INFORMATION											
Stand Basal Area		SW		M <sup>2</sup> /Ha		SWSL		M <sup>2</sup> /Ha		HW	
Species and (%)		RM40 %		YB20 %		BF10 %		WA10 %		GB, WB, AI, WS 20%	
Even-aged X		Uneven-aged								Biomass	
Slope		0 %		Aspect		L					
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed			
		Windfall		Non Forest				Ploughed			
		Clear Cut		Unknown							
Stand Maturity Class:		Regeneration		Immature X		Mature		Over-mature			
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy			
Density:		SW 400		HW 2,000							
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy			
Regeneration:		1. Spp. RM		Height 2 m		2. Spp. WA		Height 1.3 m			
		3. Spp. YB		Height 1 m		4. Spp. WS		Height 0.6 m			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:				horsetails, dwarf raspberry, starflower, sensitive fern							
Ground Hemlock				Y / N X							
Invasive Species Present				Y / N X If yes then what species:							
Site Indicators				X Y / N If yes then what species: sensitive fern - wet							
ENVIRONMENTAL OBSERVATIONS											
Water Course		Y		Bog		Pond		Stream		Seeps	
Drainage:		Poor X		Moderate X		Good		Excellent		Erosion Control Required	
Snag Trees:		Adequate X		Inadequate							
Coarse Woody Material:		Adequate X		Inadequate							
Dens				Nests (Raptors, songbirds, etc.)							
Wildlife Observed				Northern Flicker							
Comments											
STAND PRESCRIPTION											
No Treatment				Regeneration Cut				Crop Tree Release		X	
Shelterwood Cut				Selection Cut				Patch Cut			
Commercial Thinning				Afforestation				Site Preparation			
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt			
Pln. Maint.		Y / N		Stems/Ha							
Comments:		Could do a crop tree release and hardwood pruning of quality crop trees in the next few years.									

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		480475		PLANTATION #		357003			
PROPERTY #		66001 Wellington Centre		AREA		0.93 ha		Date		27 / 8 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	NS	67	37.6	17	40	4							
2						5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)		NS 90	%	%	%	%		BF, WB 10%					
Even-aged X		Uneven-aged									Biomass		
Slope		0	%	Aspect									
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration			Immature		Mature X		Over-mature				
Stand Stocking:		Understocked			Fully Stocked X		Overstocked		Patchy				
Density:		SW	1,200	HW									
Advanced Regeneration:		Understocked X			Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp. BF			Height 30cm		2. Spp. NS		Height 0.1-0.5				
		3. Spp. RO			Height 30cm		4. Spp.		Height				
GROUND OBSERVATIONS													
Ground Vegetation Species Present:													
Ground Hemlock Y / N X													
Invasive Species Present Y / N X If yes then what species:													
Site Indicators Y / N X If yes then what species:													
ENVIRONMENTAL OBSERVATIONS													
Water Course		NA		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:		Poor		Moderate X		Good X		Excellent				Erosion Control Required	Y / N
Snag Trees:		Adequate			Inadequate X								
Coarse Woody Material:		Adequate			Inadequate X								
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed		Red squirrel											
Comments													
STAND PRESCRIPTION													
No Treatment				Regeneration Cut			Crop Tree Release			Block Cut X			
Shelterwood Cut				Selection Cut			Patch Cut			Strip Cut			
Commercial Thinning				Afforestation			Site Preparation		X				
Pre-commercial Thinning				Reforestation		X	Riparian Zone Mgmt						
Pln. Maint.		X	Y / N	Stems/Ha									
Comments:		This stand had significant blowdown due to hurricane Fiona that has since been salvaged and replanted. The remaining NS should be monitored and harvested if further blowdown/stand decline continues in the stand, which may occur as the remaining trees are much more exposed to wind. Could plant WS, RS, WP, EH, CE, RO, YB or WA either after harvest or underplant to start succession as much more light is available than prior to the hurricane. PN is 0.93 of 1.63 ha stand.											

STAND TALLY SHEET													
CRUISER	J.LeClair + M.Buchanan			STAND #	480483			PLANTATION #	3590002				
PROPERTY #	66001 Wellington Centre			AREA	0.66	ha	Date	12 /	2 /	2024			
								D	M	Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WS	65	27.3	18.75	40	4							
2	WS	65	36.2	18	40	5							
3						6							
STAND INFORMATION													
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha	
Species and (%)	WS10	%	%	%	%								
Even-aged X	Uneven-aged									Biomass			
Slope	0 %	Aspect											
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed						
	Windfall		Non Forest				Ploughed						
	Clear Cut		Unknown										
Stand Maturity Class:	Regeneration				Immature		Mature X		Over-mature				
Stand Stocking:	Understocked				Fully Stocked X		Overstocked		Patchy				
Density:	SW	1,400	HW										
Advanced Regeneration:	Understocked X				Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp.	BF	Height	1.0m	2. Spp.		Height						
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:	None significant. Inventory was done during snow cover												
Ground Hemlock	Y / N	X											
Invasive Species Present		Y / N	X		If yes then what species:								
Site Indicators		Y / N	X		If yes then what species:								
ENVIRONMENTAL OBSERVATIONS													
Water Course	NA	Bog		Pond		Stream		Seeps		Beaver Present	Y / N		
Drainage:	Poor	Moderate		Good	X	Excellent				Erosion Control Required	Y / N		
Snag Trees:	Adequate	Inadequate	X										
Coarse Woody Material:	Adequate	Inadequate	X										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed	Red Squirrel												
Comments													
STAND PRESCRIPTION													
No Treatment				Regeneration Cut		Crop Tree Release		Block Cut	X				
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning				Afforestation		Site Preparation	X						
Pre-commercial Thinning				Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha									
Comments:	Block harvest if stand starts to significantly decline. Could increase diversity after by planting WS, WP, EH, YB, RM, RO or WA.												

STAND TALLY SHEET												
CRUISER		J. LeClair		STAND # 480463, 0480455		PLANTATION #						
PROPERTY #		66001 Wellington Centre		AREA 2.63 ha		Date		29 /	8 /	2024		
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	BS	92	25.3	14	35	4						
2	BF	60	21.7	12	35	5						
3	RM	60	14.4	14	35	6						
STAND INFORMATION												
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)		BS40	%	BF30	%	RM20	%	LA10				
Even-aged X		Uneven-aged								Biomass		
Slope		0 %		Aspect		L						
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed		X		
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature		Mature		X		Over-mature		X
Stand Stocking:		Understocked		Fully Stocked		X		Overstocked		Patchy		
Density:		SW	2,600	HW	200							
Advanced Regeneration:		Understocked		X		Fully Stocked		Overstocked		Patchy		
Regeneration:		1. Spp. BS		Height		0.1 m		2. Spp. BF		Height		1-5 m
		3. Spp. RM		Height		0.1 m		4. Spp.		Height		
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		feather moss, bracken fern, bunchberry, interrupted fern, starflower, trillium blue bead lily										
Ground Hemlock		Y / N		X								
Invasive Species Present		Y / N		X		If yes then what species:						
Site Indicators		Y / N		X		If yes then what species:						
ENVIRONMENTAL OBSERVATIONS												
Water Course		N	Bog	Pond	Stream	Seeps	Beaver Present		Y / N			
Drainage:		Poor	Moderate	X	Good	Excellent	Erosion Control Required		Y / N			
Snag Trees:		Adequate	X	Inadequate								
Coarse Woody Material:		Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed		Red squirrel seen										
Comments												
STAND PRESCRIPTION												
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut		X				
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut						
Commercial Thinning		Afforestation		Site Preparation		X						
Pre-commercial Thinning		Reforestation		X		Riparian Zone Mgmt						
Pln. Maint.		X	Y / N	Stems/Ha								
Comments:		Approximately 10% blowdown present in the stand. Some larger spruce in the stand could be RS. Watch for signs of stand decline and block harvest, leaving large RS and hardwoods for retention. Plant with BS, RS, LA, YB, or WA.										

STAND TALLY SHEET												
CRUISER	J. LeClair		STAND #	480487		PLANTATION #	3840202					
PROPERTY #	66001 Wellington Centre		AREA	0.17 ha		Date	12 /	2 /	2024			
							D	M	Y			
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	RP	40	23.5cm	17m	30	4						
2	WS	40	23	17m	30	5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS45	%	RP45	%		%	BF,LA	10%				
Even-aged	X		Uneven-aged							Biomass		
Slope	0	%	Aspect									
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration		Immature	X	Mature		Over-mature					
Stand Stocking:	Understocked		Fully Stocked		Overstocked	X	Patchy					
Density:	SW	3,400	HW									
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.	BF	Height	1m	2. Spp.		Height					
	3. Spp.	BF	Height	3m	4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	No Ground veg visible due to snow cover											
Ground Hemlock	Y / N	X										
Invasive Species Present		Y / N	X		If yes then what species:							
Site Indicators		Y / N	X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS												
Water Course	NA		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate		Good	X	Excellent			Erosion Control Required		Y / N
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:	Adequate	X	Inadequate									
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed	Snow shoe hare, Red Squirrel, coyote tracks visible in snow											
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut	X	Patch Cut		Strip Cut					
Commercial Thinning			Afforestation		Site Preparation							
Pre-commercial Thinning			Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	Y / N		Stems/Ha									
Comments:	Softwood stand in a declining state with low LCR throughout and high density. It may be to late for a CT, but a lower impact selection cut could remove some stems from the stand and increase stand health. Could enrichment plant WP, WS, SM, RO, or YB.											

STAND TALLY SHEET													
CRUISER		J. LeClair and M. Buchanan				STAND #		480486		PLANTATION #		3851622	
PROPERTY #		66001 Wellington Centre				AREA		0.21 ha		Date		12 / 2 / 2024	
										D		M Y	
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RP	39	21.7cm	16m		4							
2	WB	39	18.4cm	15m		5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha	
Species and (%)		RP70	%	Green Ash, RO 20		%	WB,BF 10%						
Even-aged X		Uneven-aged						Biomass					
Slope		0 %		Aspect									
Stand Origin:		Old Field	X	Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration				Immature		X		Mature		Over-mature	
Stand Stocking:		Understocked				Fully Stocked		X		Overstocked		Patchy	
Density:		SW	1,600	HW	100								
Advanced Regeneration:		Understocked				Fully Stocked				Overstocked		Patchy	
Regeneration:		1. Spp.		Height		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:													
Ground Hemlock		Y / N											
Invasive Species Present		Y / N		If yes then what species:									
Site Indicators		Y / N		If yes then what species:									
ENVIRONMENTAL OBSERVATIONS													
Water Course		Bog		Pond		Stream		Seeps		Beaver Present		Y / N	
Drainage:		Poor		Moderate		Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate									
Coarse Woody Material:		Adequate		Inadequate									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments													
STAND PRESCRIPTION													
No Treatment				Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut				Selection Cut		X		Patch Cut				Strip Cut	
Commercial Thinning				Afforestation				Site Preparation					
Pre-commercial Thinning				Reforestation		X		Riparian Zone Mgmt					
Pln. Maint.		Y / N		Stems/Ha									
Comments:		Red pine plantation at the front of stand with a few small standing birch. The back of the stand has a small patch of planted red oak and white ash (could be green/red ash), approximately 15-20 years old and approximately 10 m tall. Could do selection cuts in this stand to open up more area for stand conversion to a multi-age stand by planting shade tolerant or intermediate shade tolerant species in canopy gaps. Could plant WS, EH, WP, RS, YB, SM or RM to enrich the site.											



STAND TALLY SHEET													
CRUISER	M.Buchanan + J.LeClair			STAND #	480481			PLANTATION #					
PROPERTY #	66001 Wellington Centre			AREA	2.37	ha	Date	12 /	2 /	2024			
								D	M	Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	BS	64	28.5cm	13.5m	50	4							
2	PO	64	28.2cm	18m	40	5							
3						6							
STAND INFORMATION													
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha	
Species and (%)	BS50	%	PO20	%	RM10	%	LA20	%					
Even-aged	X		Uneven-aged							Biomass			
Slope	0	%	Aspect										
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed						
	Windfall		Non Forest		Ploughed								
	Clear Cut		Unknown										
Stand Maturity Class:	Regeneration				Immature		Mature	X		Over-mature			
Stand Stocking:	Understocked				Fully Stocked	X	Overstocked		Patchy				
Density:	SW	1,000	HW	400									
Advanced Regeneration:	Understocked			X	Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp.	RM	Height	2m	2. Spp.		Height						
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				Red elderberry, Sensitive fern, golden rod, Fly honey suckle or highbush cranberry									
Ground Hemlock				Y / N	X								
Invasive Species Present				Y / N	X	If yes then what species:							
Site Indicators				Y / N	X	If yes then what species:							
ENVIRONMENTAL OBSERVATIONS													
Water Course	Y	Bog		Pond		Stream	X	Seeps		Beaver Present	Y / N		
Drainage:	Poor	X	Moderate		Good		Excellent		Erosion Control Required	Y / N			
Snag Trees:	Adequate	X	Inadequate										
Coarse Woody Material:	Adequate	X	Inadequate										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments	Stream along west edge of stand, buffer 15 m.												
STAND PRESCRIPTION													
No Treatment		X	Regeneration Cut		Crop Tree Release		Block Cut						
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut						
Commercial Thinning			Afforestation		Site Preparation								
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt								
Pln. Maint.	Y / N	Stems/Ha											
Comments:	Significant blowdown aproximatley 20-30% and may be to late to salvage as we noticed a high level of fungus on bark of blowdown. Soils are wet so no treatment to protect soils.												

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		480384		PLANTATION #		3965201			
PROPERTY #		66001 Wellington Centre		AREA		0.52 ha		Date		27 / 8 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WB	28	13.7	13	40	4							
2	RM	28	13.4	12.5	50	5							
3	LA	28	11.1	13	35	6							
STAND INFORMATION													
Stand Basal Area		SW		M <sup>2</sup> /Ha		SWSL		M <sup>2</sup> /Ha		HW		M <sup>2</sup> /Ha	
Species and (%)		WB40 %		RM30 %		LA20 %				WS, PC 10%			
Even-aged X		Uneven-aged								Biomass			
Slope		0 %		Aspect		L							
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature X		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW 600		HW 1,000									
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. RM		Height 2 m		2. Spp. WB		Height 2-3 m					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				Beaked hazelnut, bunchberry, dwarf raspberry, alternate laved dogwood, mountain holly									
Ground Hemlock				Y / N X									
Invasive Species Present				Y / N X		If yes then what species:							
Site Indicators				Y / N X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS													
Water Course		N		Bog		Pond		Stream		Seeps		Beaver Present Y / N	
Drainage:		Poor		Moderate X		Good X		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate X									
Coarse Woody Material:		Adequate X		Inadequate									
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed		Chickadees											
Comments													
STAND PRESCRIPTION													
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning				Afforestation		Site Preparation							
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt							
Pln. Maint.		Y / N		Stems/Ha									
Comments:		No treatment recommended at this time. PN is 0.52 ha of a 1.99 ha stand on the inventory.											

STAND TALLY SHEET												
CRUISER		J.LeClair		STAND #		480452		PLANTATION #				
PROPERTY #		66001 Wellington Centre		AREA		1.14 ha		Date	29 /	8 /	2024	
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WS	92	28	14	40	4						
2	PO	7	6	5.2	50	5						
3						6						
STAND INFORMATION												
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)		RM30 %	PO30 %	AL30 %	WS10 %							
Even-aged		X	Uneven-aged		Biomass							
Slope		0 %	Aspect		L							
Stand Origin:		Old Field	X	Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature		X	Mature		Over-mature		X	
Stand Stocking:		Understocked		Fully Stocked		X	Overstocked		Patchy			
Density:		SW	600	HW	2,400							
Advanced Regeneration:		Understocked		Fully Stocked		X	Overstocked		Patchy			
Regeneration:		1. Spp. PO		Height		2-5 m	2. Spp. RM		Height		2-3 m	
		3. Spp.		Height			4. Spp.		Height			
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		Mountain ash, aster, golden rod, red-osier dogwood										
Ground Hemlock		Y / N	X									
Invasive Species Present		Y / N	X	If yes then what species:								
Site Indicators		X	Y / N	If yes then what species: alders, red-osier - wet								
ENVIRONMENTAL OBSERVATIONS												
Water Course		N	Bog	Pond	Stream	Seeps	Beaver Present		Y / N			
Drainage:		Poor	X	Moderate	X	Good	Excellent	Erosion Control Required		Y / N		
Snag Trees:		Adequate	X	Inadequate								
Coarse Woody Material:		Adequate		X	Inadequate							
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed		None seen.										
Comments												
STAND PRESCRIPTION												
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning				Afforestation		Site Preparation						
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt						
Pln. Maint.		Y / N		Stems/Ha								
Comments:		Most Overmature WS overstory has blowdown, likely too old to salvage. No treatment recommended at this time.										

STAND TALLY SHEET											
CRUISER		J. Leclair		STAND # 0480675, 0480676		PLANTATION #					
PROPERTY #		66001 Wellington Centre		AREA 5.56 ha		Date		29 /	8 /	2024	
								D	M	Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WA	80	23.5	15	35	4					
2	RM	80	22	16	40	5					
3						6					
STAND INFORMATION											
Stand Basal Area		SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha		
Species and (%)		RM50 %	BF20 %	WB10 %	AI10 %	YB, WA 10%					
Even-aged X		Uneven-aged						Biomass			
Slope 0 %		Aspect L									
Stand Origin:		Old Field		Partial Cut X		Burn		Unploughed			
		Windfall		Non Forest				Ploughed			
		Clear Cut		Unknown							
Stand Maturity Class:		Regeneration		Immature		Mature X		Over-mature X			
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy			
Density:		SW 600	HW 1,000								
Advanced Regeneration:		Understocked		Fully Stocked X		Overstocked		Patchy			
Regeneration:		1. Spp. RM		Height 1 m		2. Spp.		Height			
		3. Spp.		Height		4. Spp.		Height			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:		Jewel weed, dwarf raspberry, bunchberry, starflower, cinnamon fern, wild raisin									
Ground Hemlock X		Y / N									
Invasive Species Present		X		Y / N		If yes then what species: common buckthorn					
Site Indicators		X		Y / N		If yes then what species: marsh marigold - wet					
ENVIRONMENTAL OBSERVATIONS											
Water Course Y		Bog		Pond		Stream X		Seeps		Beaver Present Y / N	
Drainage: Poor X		Moderate		Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate X		Inadequate							
Coarse Woody Material:		Adequate X		Inadequate							
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed											
Comments		Stream and buffer SW corner of stand, buffer 15 m.									
STAND PRESCRIPTION											
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut			
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut			
Commercial Thinning				Afforestation		Site Preparation					
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt					
Pln. Maint.		Y / N		Stems/Ha							
Comments:		Wet ground, no treatment recommended. Watercourse may extend further into stand than shows on the map.									

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		480830		PLANTATION #					
PROPERTY #		66001 Wellington Centre		AREA		1.15 ha		Date		29 /	8 / 2024		
								D		M	Y		
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RM	26	6.5	10.5	40	4							
2	WB	26	10.2	12	35	5							
3	PO	26	12.1	14	30	6							
STAND INFORMATION													
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha	
Species and (%)		WB30 %	RM30 %	PO20 %	WS10 %			BF 10%					
Even-aged		X	Uneven-aged		X					Biomass			
Slope		0 %	Aspect		L								
Stand Origin:		Old Field	X	Partial Cut				Burn		Unploughed			
		Windfall		Non Forest						Ploughed		X	
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration				Immature		X	Mature		Over-mature		
Stand Stocking:		Understocked				Fully Stocked		X	Overstocked		Patchy		
Density:		SW	1,000	HW		3,600							
Advanced Regeneration:		Understocked				Fully Stocked		X	Overstocked		Patchy		
Regeneration:		1. Spp. BF		Height		3-5 m		2. Spp.		Height			
		3. Spp.		Height				4. Spp.		Height			
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		false lily of the valley, bunchberry, starflower											
Ground Hemlock		Y / N	X										
Invasive Species Present		Y / N	X	If yes then what species:									
Site Indicators		Y / N	X	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS													
Water Course		N	Bog			Pond			Stream		Seeps	Beaver Present	Y / N
Drainage:		Poor	X	Moderate		X	Good			Excellent		Erosion Control Required	Y / N
Snag Trees:		Adequate	X	Inadequate									
Coarse Woody Material:		Adequate		X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		None seen.											
Comments													
STAND PRESCRIPTION													
No Treatment		X		Regeneration Cut				Crop Tree Release		Block Cut			
Shelterwood Cut				Selection Cut				Patch Cut		Strip Cut			
Commercial Thinning				Afforestation				Site Preparation					
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt					
Pln. Maint.		Y / N	Stems/Ha										
Comments:		Some WS blowdown in the stand (less than 10%). The understory is thick BF. No treatment recommended at this time.											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		480450		PLANTATION #		3871661			
PROPERTY #		66001 Wellington Centre		AREA		2.15 ha		Date		27 / 8 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	LA	37	12.3	12	33	4							
2	BS	37	11.5	8	40	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha	
Species and (%)		LA60	%	BS20	%	GB10	%	RM10					
Even-aged X		Uneven-aged										Biomass	
Slope		0 %		Aspect		L							
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature X		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy					
Density:		SW	5,000		HW	400							
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. RM		Height 0.1 m		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		blue bead lily, bunchberry, wild raisin, cinnamon fern, starflower											
Ground Hemlock		Y / N		X									
Invasive Species Present		Y / N		X		If yes then what species:							
Site Indicators		X		Y / N		If yes then what species: sphagnum moss- wet site							
ENVIRONMENTAL OBSERVATIONS													
Water Course		N		Bog		Pond		Stream		Seeps		Beaver Present Y / N	
Drainage:		Poor X		Moderate		Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate X		Inadequate									
Coarse Woody Material:		Adequate X		Inadequate									
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed		Snowshoe hare scat.											
Comments													
STAND PRESCRIPTION													
No Treatment				X		Regeneration Cut		Crop Tree Release		Block Cut			
Shelterwood Cut						Selection Cut		Patch Cut		Strip Cut			
Commercial Thinning						Afforestation		Site Preparation					
Pre-commercial Thinning						Reforestation		Riparian Zone Mgmt					
Pln. Maint.		Y / N		Stems/Ha									
Comments:		Blowdown in stand is less than 10%. No treatment as thinning likely to cause more blowdown in stands (small crown size and wet ground).											

STAND TALLY SHEET												
CRUISER		J. LeClair		STAND #		480464, 040459		PLANTATION #		3580013, 3580012		
PROPERTY #		66001 Wellington Centre		AREA		2.54 ha		Date		21 / 8 / 2024		
								D		M Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	NS	66	37.3	20.5	45	4						
2						5						
3						6						
STAND INFORMATION												
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha
Species and (%)		NS100	%	%	%							
Even-aged X		Uneven-aged								Biomass		
Slope		1 %	Aspect		S							
Stand Origin:		Old Field X	Partial Cut			Burn		Unploughed				
		Windfall	Non Forest					Ploughed X				
		Clear Cut	Unknown									
Stand Maturity Class:		Regeneration		Immature		Mature X		Over-mature				
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy				
Density:		SW	1,400	HW								
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp. BF		Height 1-5 m		2. Spp. YB		Height 1.5				
		3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		twinflower, false lily of the valley, starflower										
Ground Hemlock		Y / N	X									
Invasive Species Present		Y / N	X	If yes then what species:								
Site Indicators		Y / N	X	If yes then what species:								
ENVIRONMENTAL OBSERVATIONS												
Water Course		Y	Bog	Pond	Stream	Seeps	Beaver Present		Y / N			
Drainage:		Poor	Moderate	X	Good	X	Excellent	Erosion Control Required		Y / N		
Snag Trees:		Adequate	X	Inadequate								
Coarse Woody Material:		Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed		Red squirrel										
Comments		Grand River south of stand and smaller tributary east of PN 3580012, buffer 15 m.										
STAND PRESCRIPTION												
No Treatment		X	Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning			Afforestation		Site Preparation							
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt							
Pln. Maint.		Y / N	Stems/Ha									
Comments:		Less than 10% blowdown in stand. Monitor for signs of stand decline.										

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		480485		PLANTATION #		3590004			
PROPERTY #		66001		AREA		0.64 ha		Date		21 / 8 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WA	40	13.6	12	55	4							
2	WS	6	29.7	16	40	5							
3	BF	65	25.3	14	40	6							
STAND INFORMATION													
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha	
Species and (%)		WS50 %	BF10 %	WA10 %			WB, RM, LA 30%						
Even-aged X		Uneven-aged										Biomass	
Slope		0 %		Aspect		L							
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed X					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		Mature X		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW	1,400		HW	800							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. BF		Height 1 m		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		white aster, white hawkweed, sarsaparilla, starflower											
Ground Hemlock		Y / N		X									
Invasive Species Present		Y / N		X		If yes then what species:							
Site Indicators		Y / N		X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS													
Water Course		Y		Bog		Pond		Stream		Seeps		Beaver Present Y / N	
Drainage:		Poor X		Moderate X		Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate X		Inadequate									
Coarse Woody Material:		Adequate X		Inadequate									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		black-capped chickadee											
Comments		Grand River to the south, buffer 15 m.											
STAND PRESCRIPTION													
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning				Afforestation		Site Preparation							
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt							
Pln. Maint.		Y / N		Stems/Ha									
Comments:		Less than 20% blowdown in the stand. Could leave as-is for extra buffer on Grand River.											



STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		481051		PLANTATION #		3600012			
PROPERTY #		66001		AREA		1.3 ha		Date		21 / 8 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WS	64	28	16	40	4							
2	CE	64	40	12	40	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW	M <sup>2</sup> /Ha		SWSL	M <sup>2</sup> /Ha		HW	M <sup>2</sup> /Ha		HWSL	M <sup>2</sup> /Ha	
Species and (%)		CE60	%	BF20	%	WS10	%	RM, LA 10%					
Even-aged X		Uneven-aged										Biomass	
Slope		0 %	Aspect		L								
Stand Origin:		Old Field X	Partial Cut		Burn		Unploughed						
		Windfall	Non Forest				Ploughed X						
		Clear Cut	Unknown										
Stand Maturity Class:		Regeneration		Immature		Mature X		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW	1,600	HW	100								
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. WS		Height 1-5 m		2. Spp. RM		Height 3 m					
		3. Spp. BF		Height 2-3 m		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		beaked hazelnut, wild rose, red-osier dogwood, goldenrod											
Ground Hemlock		Y / N	X										
Invasive Species Present		Y / N	X	If yes then what species:									
Site Indicators		Y / N	X	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS													
Water Course		N	Bog	Pond	Stream	Seeps	Beaver Present		Y / N				
Drainage:		Poor	Moderate X	Good	X	Excellent	Erosion Control Required		Y / N				
Snag Trees:		Adequate	Inadequate X										
Coarse Woody Material:		Adequate	Inadequate X										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		None seen.											
Comments													
STAND PRESCRIPTION													
No Treatment		X	Regeneration Cut		Crop Tree Release		Block Cut						
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut						
Commercial Thinning			Afforestation		Site Preparation								
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt								
Pln. Maint.		Y / N	Stems/Ha										
Comments:		Regeneration can be found in canopy gaps. Stand still in good health, no treatment at this time. The educational trail goes through this stand, where a carving of Smoky the bear can be found as well as a guest book for visitors of the Camp Tamawaby woodlot.											

## Appendix G. Plantation Map with Contour Lines



## Appendix H. Work Completed

Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
0	94	1.13	1991-09-11	Crop Tree Release
0	110	1.85	1991-12-20	Commercial Softwood< 5000 /Ha
3925681	30B	928	1992-06-16	Manual Site Preparation per Site (Hawk)
3925681	59W	1.82	1992-06-16	EASTERN LARCH - WESTERN
3925681	59W	928	1992-06-16	EASTERN LARCH - WESTERN
0	110	2.32	1992-11-26	Commercial Softwood< 5000 /Ha
0	56W	600	1993-01-14	WHITE PINE - WESTERN
3965194	54W	2823	1996-07-10	BALSAM FIR - WESTERN
3965193	56W	5523	1996-07-10	WHITE PINE - WESTERN
3965192	61W	1932	1996-07-10	JAPANESE LARCH - WESTERN
3965191	70W	1860	1996-07-10	RED SPRUCE - WESTERN
3965241	54W	1929	1996-07-19	BALSAM FIR - WESTERN
3965203	58W	1000	1997-03-27	YELLOW BIRCH - WESTERN
3965201	71W	1000	1997-03-27	WHITE BIRCH - WESTERN
0	94	0	1997-03-27	Crop Tree Release
0	95	0	1997-03-27	Special Projects
3965191	82B	0.72	1997-10-02	Herbicide:Broadcast : 1st Treatment
3965193	82B	1.67	1997-10-02	Herbicide:Broadcast : 1st Treatment
3965193	110	1.58	2024-10-01	Commercial Softwood< 5000 /Ha
3965194	82B	1.1	1997-10-02	Herbicide:Broadcast : 1st Treatment
3965241	82B	0.87	1997-10-02	Herbicide:Broadcast : 1st Treatment
0	2	19	1997-11-03	Fill
3990091	37	2.72	1999-02-12	Brush Raking: Rubber Tired Skidder/Ha
3990091	38A	2.72	1999-03-26	Slash Pile Burn Less Than 4 Ha.
3990011	92	2.72	1999-03-29	Clearcut Block
3990091	67W	4692	1999-06-11	NORWAY SPRUCE - WESTERN
3000011	37	1.23	1999-09-09	Brush Raking: Rubber Tired Skidder/Ha
3000011	25B	1.2	1999-10-18	Chemical Broadcast
3000011	38A	1.2	2000-02-02	Slash Pile Burn Less Than 4 Ha.
3000011	92	1.2	2000-02-02	Clearcut Block
5800061	110	2.44	2001-01-11	Commercial Softwood< 5000 /Ha
3010241	61W	2789	2001-08-20	JAPANESE LARCH - WESTERN
3010251	53W	3087	2001-10-26	RED PINE - WESTERN
3010251	56W	504	2001-10-26	WHITE PINE - WESTERN
3020206	71W	33	2002-11-08	WHITE BIRCH - WESTERN
3020203	58W	53	2002-11-18	YELLOW BIRCH - WESTERN
3020201	64W	50	2002-11-18	RED OAK - WESTERN
3020204	65W	102	2002-11-18	WHITE ASH - WESTERN
3020205	71W	55	2002-11-18	WHITE BIRCH - WESTERN
3030202	71W	20	2002-11-18	WHITE BIRCH - WESTERN
0	2	9	2003-02-19	Fill
3060092	58WI	2300	2006-10-27	INTERPLANT YELLOW BIRCH - WESTERN

3060093	64WI	500	2006-10-27	INTERPLANT RED OAK - WESTERN
3060091	65WI	1035	2006-10-27	INTERPLANT WHITE ASH - WESTERN
702	16	0.1	2007-11-16	Misc. Road Maintenance
701	2	12	2007-11-16	Fill
604	94	1	2008-03-17	Crop Tree Release
901	2	100	2010-01-26	Fill
902	2	0.3	2010-01-26	Fill
3851622	89C	142	2010-11-01	Pruning Up to 9 Feet
3965241	88D	0.79	2011-03-30	Class 4 : Manual : 15001-20000/Ha <6 Metres
0	13	1.1	2012-01-16	Trail Maintenance
0	13	1.1	2012-01-16	Trail Maintenance
3120538	2	20	2012-10-25	Fill
3120582	13	1.1	2013-03-11	Trail Maintenance
3130563	13	1.1	2013-06-06	Trail Maintenance
3990091	83D	1.54	2014-07-31	Class 4 Manual Pn Cleaning: 15001-20000/Ha >6 meters
3140061	30B	1950	2014-10-22	Manual Site Preparation per Site (Hawk)
3140061	50WI	2.53	2014-10-22	INTERPLANT AREA - WESTERN
3140061	64WI	915	2014-10-22	INTERPLANT RED OAK - WESTERN
3140061	65WI	1035	2014-10-22	INTERPLANT WHITE ASH - WESTERN
3150111	30B	4950	2015-06-17	Manual Site Preparation per Site (Hawk)
3150111	55W	3000	2015-06-17	WHITE SPRUCE - WESTERN
3150111	56W	1950	2015-06-17	WHITE PINE - WESTERN
	13	1.6	2015-07-01	Trail Maintenance
	16	1.1	2015-07-01	Misc. Road Maintenance
3150517	92	5	2015-07-31	Clearcut Block
	16C	72	2015-12-28	Shale fill and leveling
3150521	16C	120	2015-12-29	Shale fill and leveling
	92	1.48	2016-01-25	Clearcut Block
3160071	30B	671	2016-07-25	Manual Site Preparation per Site (Hawk)
3160071	30B	325	2016-07-25	Manual Site Preparation per Site (Hawk)
3160071	30B	640	2016-07-25	Manual Site Preparation per Site (Hawk)
3160071	55W	671	2016-07-25	WHITE SPRUCE - WESTERN
3160071	56W	325	2016-07-25	WHITE PINE - WESTERN
3160071	59W	640	2016-07-25	EASTERN LARCH - WESTERN
	13B	1.7	2016-08-28	Pruning and dead fall removal on trail
	13	1.7	2016-09-09	Trail Maintenance
	13	1.7	2016-09-16	Trail Maintenance
	13A	1.7	2016-09-16	Trail Signage Maintenance
	322	30	2016-09-16	Trail Sign Installation
	93	0.3	2016-09-28	Patch Cut
3160071	30B	225	2016-10-18	Manual Site Preparation per Site (Hawk)
3160071	30B	90	2016-10-18	Manual Site Preparation per Site (Hawk)
3160071	50WI	1.33	2016-10-18	INTERPLANT AREA - WESTERN
3160071	63WI	90	2016-10-18	INTERPLANT SUGAR MAPLE - WESTERN
3160071	65WI	225	2016-10-18	INTERPLANT WHITE ASH - WESTERN
3170111	30B	561	2017-07-14	Manual Site Preparation per Site (Hawk)



3170111	55W	496	2017-07-14	WHITE SPRUCE - WESTERN
3170111	56W	65	2017-07-14	WHITE PINE - WESTERN
	13	1.7	2017-09-22	Trail Maintenance
	322	8	2017-09-22	Trail Sign Installation
3170111	30B	75	2017-10-09	Manual Site Preparation per Site (Hawk)
3170111	50WI	0.3	2017-10-09	INTERPLANT AREA - WESTERN
3170111	64WI	30	2017-10-09	INTERPLANT RED OAK - WESTERN
3170111	65WI	45	2017-10-09	INTERPLANT WHITE ASH - WESTERN
	13	1.7	2018-01-07	Trail Maintenance
	12A	0.3	2018-10-01	Hiking Trail
	320	1	2018-10-01	Provincial Forest Sign Installation
	321	1	2019-05-10	Demonstration Woodlot Sign Installation
	16	1.7	2019-10-01	Misc. Road Maintenance
	13	1.7	2019-10-10	Trail Maintenance
3570002	165	0.6	2019-10-10	Windthrow
3200509	165	0.3	2020-10-01	Windthrow
	16C	117	2020-10-21	Shale fill and leveling
3200514	95	1	2020-12-20	Special Projects
3200513	16	0.9	2021-02-15	Misc. Road Maintenance
	97	24	2021-02-16	Wood Extraction
3200521	16B	1	2021-03-21	Mechanical roadside trimming
3210130	30B	454	2021-07-12	Manual Site Preparation per Site (Hawk)
3210131	30B	753	2021-07-12	Manual Site Preparation per Site (Hawk)
3210131	51W	60	2021-07-12	BLACK SPRUCE - WESTERN
3210130	55W	65	2021-07-12	WHITE SPRUCE - WESTERN
3210131	55W	455	2021-07-12	WHITE SPRUCE - WESTERN
3210130	56W	130	2021-07-12	WHITE PINE - WESTERN
3210131	56W	130	2021-07-12	WHITE PINE - WESTERN
3210130	59W	130	2021-07-12	EASTERN LARCH - WESTERN
3210131	59W	65	2021-07-12	EASTERN LARCH - WESTERN
3210130	68W	129	2021-07-12	CEDAR - WESTERN
3210131	68W	43	2021-07-12	CEDAR - WESTERN
3210130	58W	45	2022-01-27	YELLOW BIRCH - WESTERN
3210130	63W	10	2022-01-27	SUGAR MAPLE - WESTERN
3210131	63W	10	2022-01-27	SUGAR MAPLE - WESTERN
3210130	64W	60	2022-01-27	RED OAK - WESTERN
3210131	64W	15	2022-01-27	RED OAK - WESTERN
3210130	65W	15	2022-01-27	WHITE ASH - WESTERN
3210131	65W	15	2022-01-27	WHITE ASH - WESTERN
	13	1.5	2022-07-07	Trail Maintenance
	13	1.5	2022-10-12	Trail Maintenance
	16	1.1	2022-10-13	Misc. Road Maintenance
3570003	92	1.3	2023-01-31	Clearcut Block
	13	1.7	2023-06-19	Trail Maintenance
3230111	30B	20	2023-09-30	Manual Site Preparation per Site (Hawk)
3230112	30B	205	2023-09-30	Manual Site Preparation per Site (Hawk)
3230112	51WF	150	2023-09-30	FILL PLANT BLACK SPRUCE - WESTERN

3230111	63WF	20	2023-09-30	FILL PLANT SUGAR MAPLE - WESTERN
3230112	68WF	55	2023-09-30	FILL PLANT CEDAR - WESTERN
3230567	16B	1.17	2024-01-23	Mechanical roadside trimming