

Date: Jan. 07, 2025

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



**Woodlot Management Plan**

**Property Number: 467951**

**Location: Maple Plains**

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## 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 # 467951 is located on the Maple Plains Road, Route #114, in the community of Maple Plains, P.E.I., (Appendix A). The total area of this property is 14.2 hectares (35 acres) and the midpoint of the property is Latitude N 46.30427 decimal degrees, Longitude W -63.58830 decimal degrees.

### **Past Information**

Local records and previous aerial photography show that little has changed with regards to forested land upon this property. There was extensive harvesting noted prior to 1935. By 1968, some small patch cuts are visible. Recent harvesting was completed in the winter of 2018. To better illustrate, the 1935 and 1968 photography can be seen 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**

There is one mapped wetland and one stand identified in 2014 as having “features consistent with a wetland”.

In the original property walk in 2014, Stand # 790647 was not mapped as a wetland but was described as follows;

*“Muck organic soils, wooded swamp type in sections (trees on hummocks), open Alder areas, bog adjacent. The main section of this stand is a wetland type with streams in the central portion, no treatment was prescribed in 2014. It was recommended to leave this stand natural to benefit wildlife and water quality values.”*

Combined, the mapped wetland and stand 790647 comprise 4.66 hectares in total. They are located at the western end of the woodlot (Appendix A).

There are also two tributaries to the Dunk River Watershed located on this parcel. These are both identified as the Southwest Brook. Four single streams combine to produce two streams within the boundaries of this parcel.

A 15-metre buffer zone is to be maintained around streams and wetlands. All these observations can be viewed in Appendix A.

## **Property Access**

This property has no boundaries on a highway. The Northeast corner of the property is located adjacent to an open field to the East along the Maple Plains Rd. According to research completed; when the Commissioner of Public Lands was completing land grants in the late 1800’s; he reserved or set aside a 20’ wide strip along the township line. A later deed conveyance in 1898 for this parcel stated that it was conveyed with a “right of way” (ROW).

This ROW is found along the north edge of a field on private land. The private landowner is aware of the existence of the ROW and has allowed use in the past. Out of respect, the owner should be contacted prior to any use and access should be used when appropriate weather and prevent agricultural crop damage.

Ongoing road maintenance will be required to keep any roads 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

### **Property Boundaries**

This property is bounded on all sides by private land. The eastern boundary fronts on the private property that contains the ROW.

### **Fire Protection**

This property is located within the jurisdiction of the Kinkora 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. The streams that flow through the property would be a suitable site to setup a portable fire pump system.

## **Planting and Silviculture**

There are 3 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.

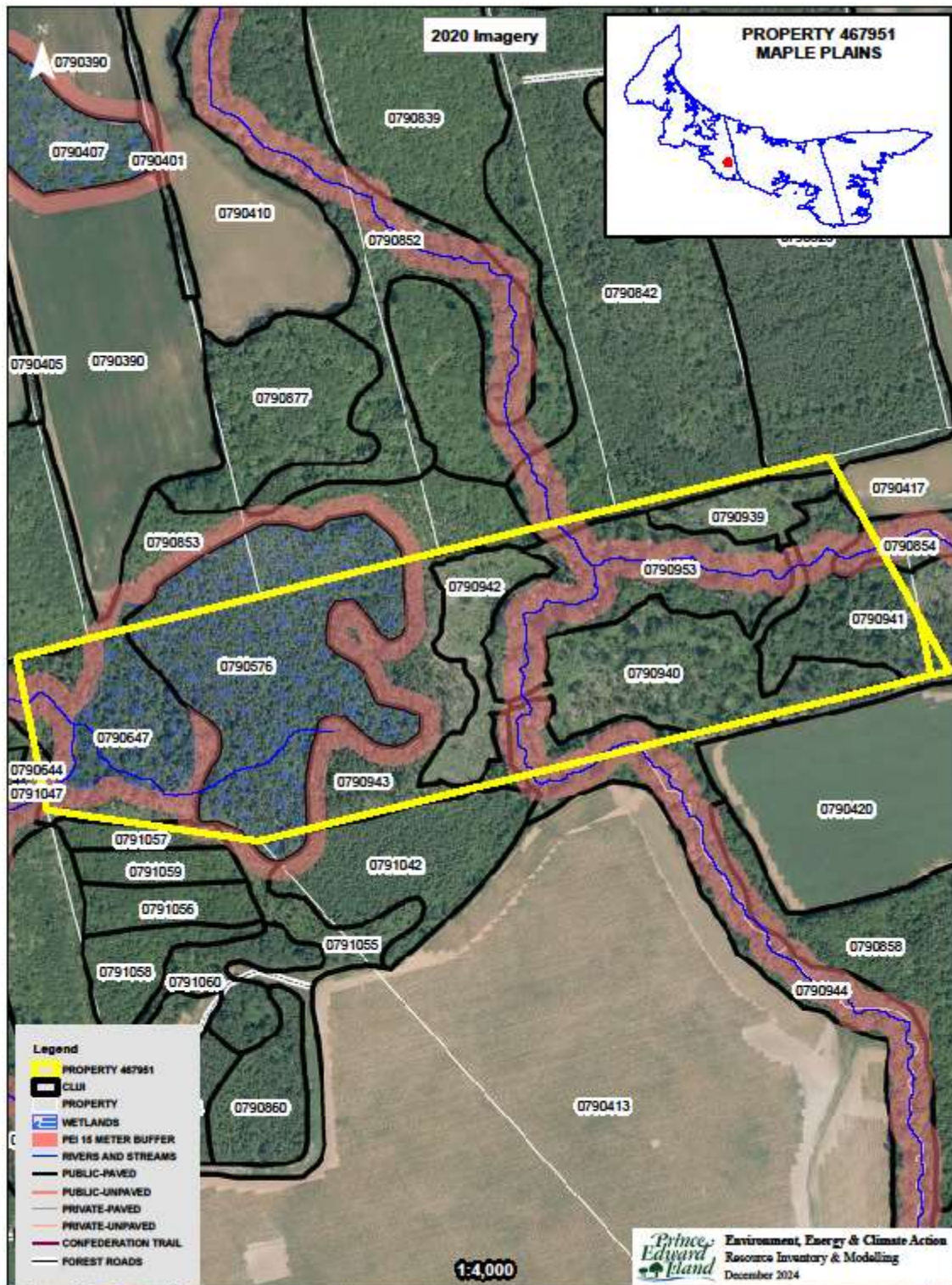
**Table 1. Proposed Treatment Summary.**

Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco-Manual Reference	Comments	Goals
	Access ROW	2025...	0.55 km		20' legal ROW over private land, coordinate with landowner when gaining access	Gain access (respect private landowner relations)
790939 PN3180111	Manual Plantation Maintenance	2025	0.51 Ha	-	Mixed plantation with planted, enrichment planting and natural regeneration	Maintain to increase quality and vigor on planted and natural regeneration
790942 PN3180113	Manual Plantation Maintenance	2025	0.85 Ha	-	Plantation with natural regeneration, favour quality	Maintain to increase quality and vigor on planted and natural regeneration



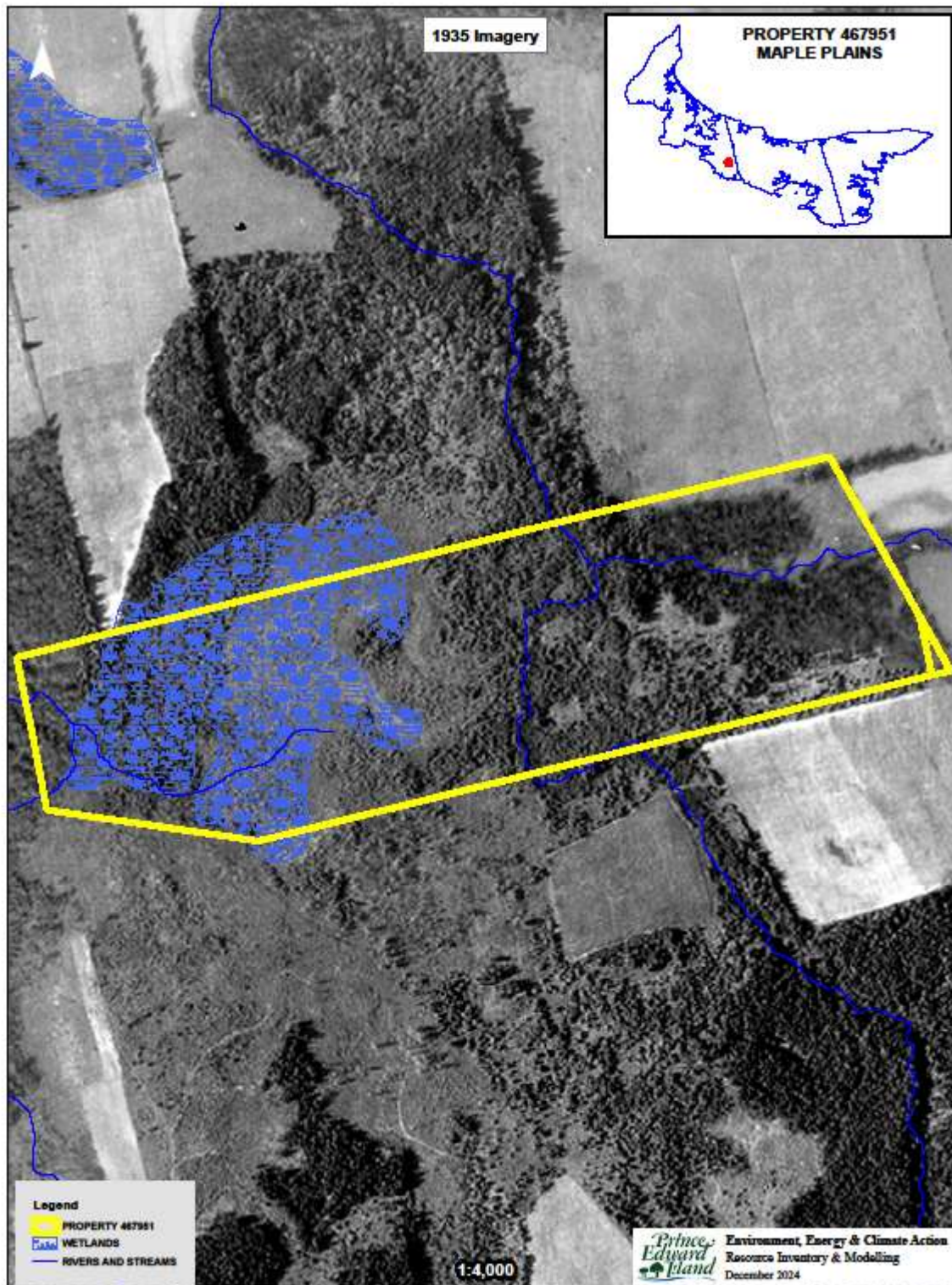
## **Appendices**

## Appendix A. Map of Property with Locator Map

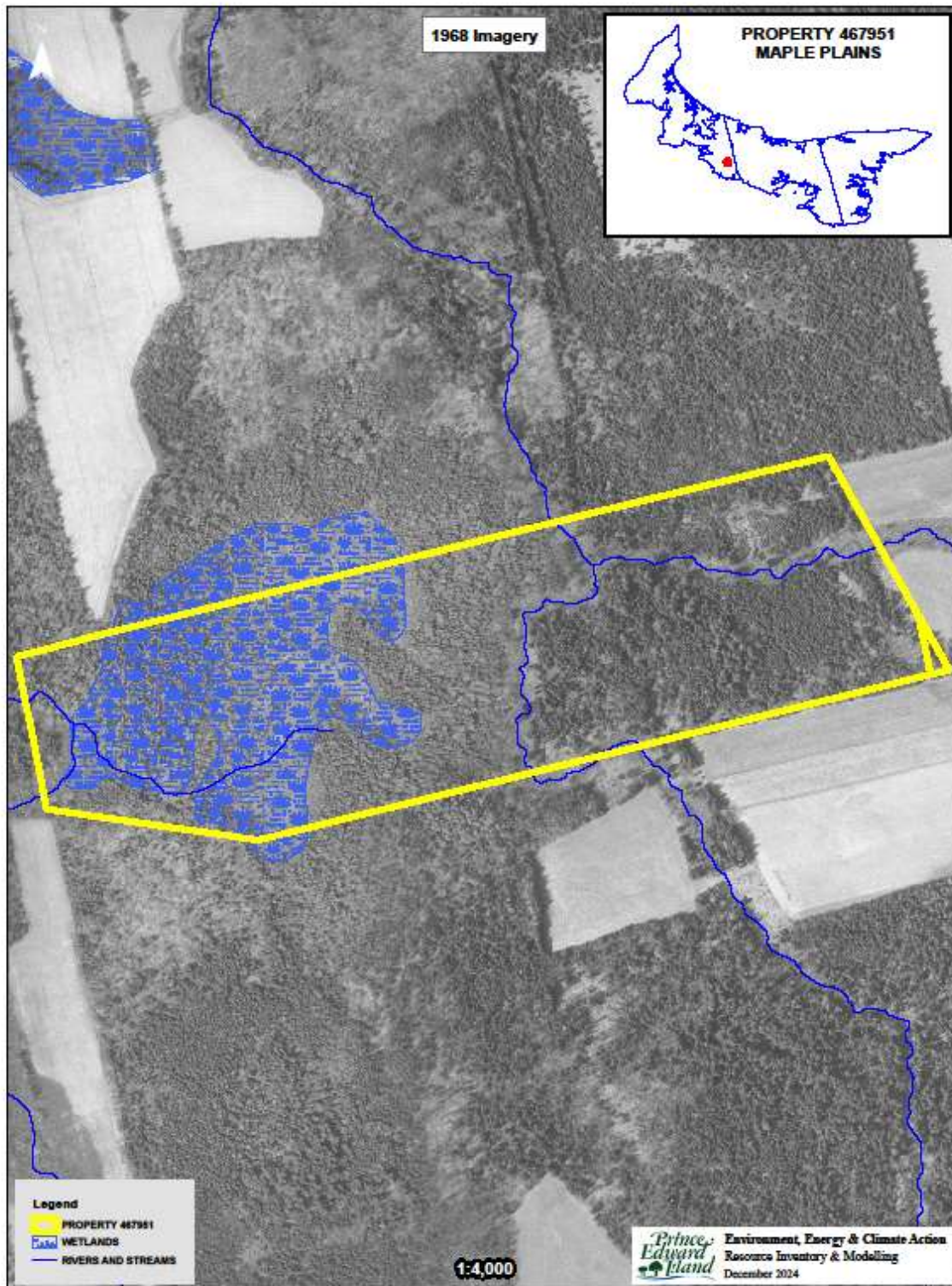




## Appendix B. 1935 Aerial Photography



## Appendix C. 1968 Aerial Photography





# Appendix D. 2010 Corporate Land Use Inventory

FIELDID	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	HECTARES	WOODSTOCK
0790417	10		0		0		0		0	0	0	0.03	
0790576	9	LA	1		0		0		0	13	65	2.81	BSPR
0790647	5	WB	2	LA	1	BF	1	RM	1	16	60	1.85	SPLA
0790826	4	BS	2	PO	2	RM	1	WB	1	11	85	0.06	SWIH
0790842	4	WB	2	RM	2	PO	2		0	10	75	0.18	IHSW
0790853	6	BF	2	RM	1	LA	1		0	3	20	0.08	IHMX
0790854	7	PC	1	RM	1	PO	1		0	4	85	0.10	ALPR
0790939	7	YB	1	RO	1	WP	1		0	0	0	0.51	WSPR
0790940	7	WB	1	RM	1	WP	1		0	0	0	2.02	WSPR
0790941	3	RM	3	BF	2	WB	1	PO	1	17	50	1.25	SWIH
0790942	9	WP	1		0		0		0	0	0	0.85	WSPR
0790943	7	RS	2	LA	1		0		0	16	75	1.67	BSPR
0790944	4	WB	2	YB	2	BF	1	WS	1	18	70	0.43	IHMX
0790953	4	YB	2	WS	2	BF	1	WB	1	18	55	1.88	THMX
0791047	3	PO	3	BS	2	BF	1	WB	1	13	40	0.05	IHMX
0791055	6	SHR	2	TRE	2		0		0	0	0	0.01	
0791057	6	RM	2	PO	1	WB	1		0	6	65	0.03	IHMX

## 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		L. Stevenson		STAND #		790939		PLANTATION # 3180111WS(WP,RO,YB)				
PROPERTY #		467951		AREA		0.51 ha		Date		6 / 1 / 2025		
								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		1		4	RM	7		2		
2	WP	7		1		5	PC	7		3		
3	YB	7		1		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 (%)		%		%	%		%					
Even-aged X		Uneven-aged		Biomass								
Slope		%	Aspect		L							
Stand Origin:		Old Field		Partial Cut	X	Burn		Unploughed	X			
		Windfall		Non Forest				Ploughed				
		Clear Cut	X	Unknown								
Stand Maturity Class:		Regeneration		X	Immature		Mature		Over-mature			
Stand Stocking:		Understocked			Fully Stocked		Overstocked	X	Patchy			
Density:		SW	6,000	HW	13,000							
Advanced Regeneration:		Understocked			Fully Stocked		Overstocked	X	Patchy			
Regeneration:		1. Spp.	BF	Height	0.3	2. Spp.		Height				
		3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		raspberry, beaked hazel, bracken fern noted, kalmia noted, mountain ash										
		blackberry noted,										
Ground Hemlock		Y / N	X									
Invasive Species Present		Y / N	X	If yes then what species:								
Site Indicators		Y / N		If yes then what species:								
ENVIRONMENTAL OBSERVATIONS												
Water Course		X	Bog		Pond		Stream	X	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		snowshoe hare tracks noted in snow										
Comments		buffer zone to stream includes Fiona windfall and dead stems (some residuals)										
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:		plantation maintenance required to encourage growth of quality planted and regenerated stems,										
		red ribbon indicates some natural regenerated stems to favour, residual stems and buffers are										
		providing cover and wildlife values, WP poor form, WS good vigor where not suppressed, quality										
		YB to west end to favour; also RM,WB (RO noted and flagged red to save)										

STAND TALLY SHEET												
CRUISER		L. Stevenson		STAND #		790940		PLANTATION # 3180112WS(WP)				
PROPERTY #		467951		AREA		2.02 ha		Date		2 / 1 / 2025		
								D		M Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	PC	7		3.5		4	WB	12		7		
2	WS	7		1.5		5	RM	40	13	10	35	
3	RM	12		7		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 (%)		PC30 %	RM20 %	WS10 %	BF10 %	WB,YB,WS						
Even-aged		Uneven-aged		*2 age		Biomass						
Slope		%	Aspect		L							
Stand Origin:		Old Field	Partial Cut		X	Burn		Unploughed X				
		Windfall	X	Non Forest				Ploughed				
		Clear Cut	Unknown									
Stand Maturity Class:		Regeneration		X	Immature		X	Mature		X	Over-mature	
Stand Stocking:		Understocked		Fully Stocked		X	Overstocked		Patchy			
Density:		SW	HW									
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		Patchy		X		
Regeneration:		1. Spp.	BF	Height	4	2. Spp.	WB	Height	7			
		3. Spp.	RM	Height	6	4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		heavy raspberry, beaked hazel, bracken fern, kalmia, wild raisin, blueberry, elderberry, heavy pincherry in openings										
Ground Hemlock		Y / N	X									
Invasive Species Present		Y / N	X	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		Snowshoe hare browse and tracks throughout most of area										
Comments		stream adjacent, heavy windfall throughout from Fiona, good low cover										
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:		leave to develop naturally, access difficult due to excessive Fiona windfall, patches planted with WS										
		are doing OK in small pockets, pincherry dominating, coppice RM windfall, WS windfall, buffers to										
		west intact but northern mostly windfall adjacent flood plain, no treatment prescribed at this time										



STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		790941		PLANTATION #					
PROPERTY #		467951		AREA		1.25 ha		Date		6 / 1 / 2025			
								D		M		Y	
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RM	30	13	10	35	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	
Species and (%)		RM20 %								BF,WS,LA,WB,RS			
Even-aged X		Uneven-aged								Biomass			
Slope N		% Aspect		3									
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed X					
		Windfall X		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration X		Immature X		Mature		Over-mature X					
Stand Stocking:		Understocked X		Fully Stocked		Overstocked		Patchy					
Density: SW		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:													
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 X		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													
Comments		drainage pattern south to north in stand area, no treatment area runoff											
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:		heavy Fiona windfall, leave to develop naturally, , good low cover, slopes to stream											
		for wildlife, patch of immature coppice RM to west where old patch cuts fuelwood, standing and											
		compromised softwoods and many windfall, central portion has drainage pattern that runs south to											
		north into stream and contains small gully, no treatment in this portion											

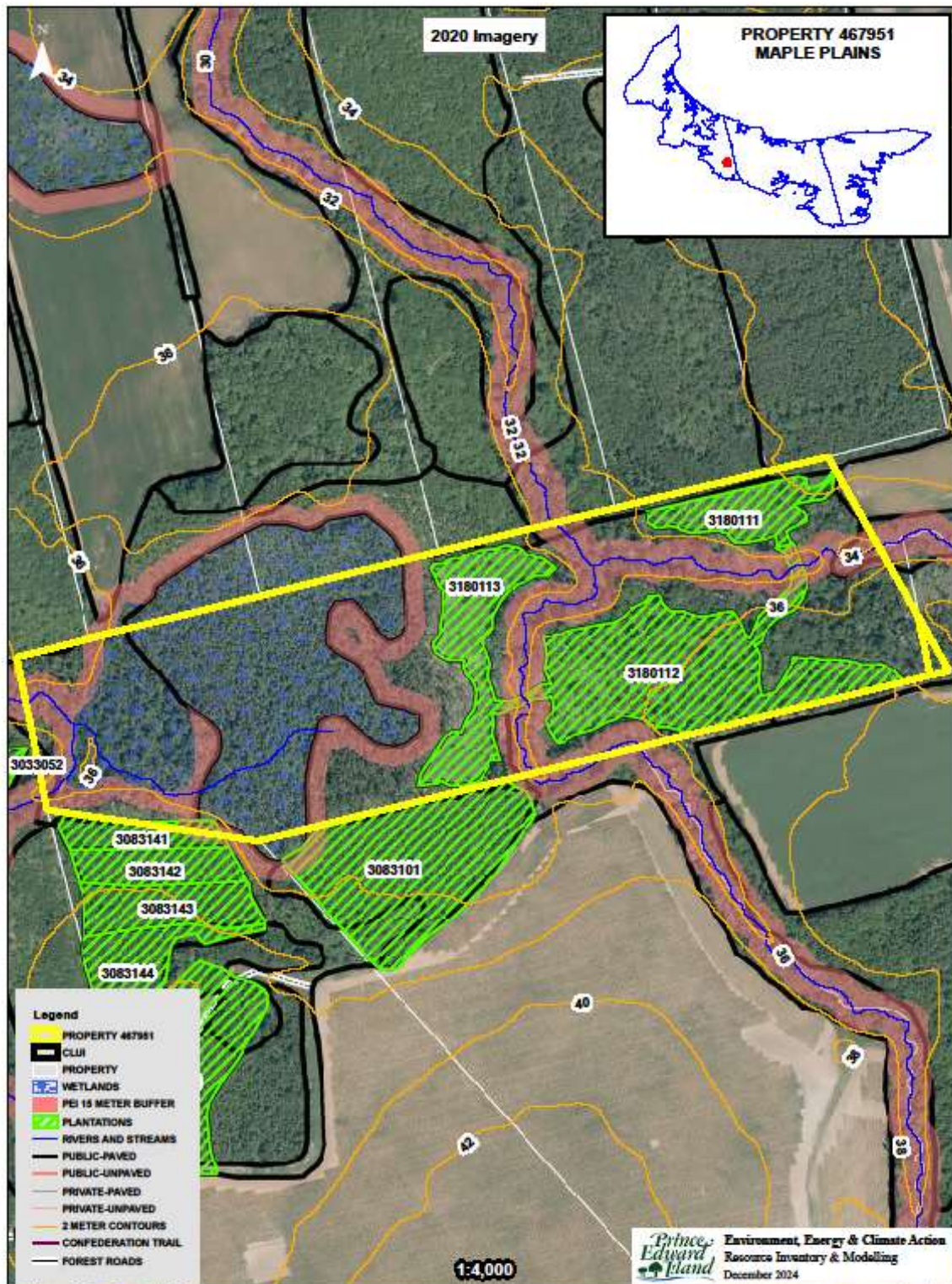
STAND TALLY SHEET											
CRUISER	L. Stevenson			STAND #	790942		PLANTATION #	3180113 WS(WP)			
PROPERTY #	467951			AREA	0.85 ha		Date	2 /	1 /	2025	
							D	M	Y		
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WS	7		1.5		4	WP	7		1.5	
2	BF	7		1.5		5	RM	7		2	
3	BS	7		1		6	PC	7		2	
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 %	BS20 %	BF20 %	WP10 %	PC, RM, LA, GB						
Even-aged X	Uneven-aged		Biomass								
Slope	2 %	Aspect	E								
Stand Origin:	Old Field	Partial Cut X		Burn	Unploughed X						
	Windfall	Non Forest		Ploughed							
	Clear Cut X	Unknown									
Stand Maturity Class:	Regeneration X		Immature	Mature		Over-mature					
Stand Stocking:	Understocked		Fully Stocked	Overstocked X		Patchy					
Density:	SW	4,000	HW	17,000							
Advanced Regeneration:	Understocked		Fully Stocked	Overstocked		Patchy		X			
Regeneration:	1. Spp.	BS	Height	1	2. Spp.	RM	Height	2			
	3. Spp.	BF	Height	1.5	4. Spp.	PC	Height	2			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	raspberry, beaked hazel, ground Hemlock, blueberry, kalmia, mountain ash, wild raisin										
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 X	Bog	Pond	Stream X	Seeps X	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	snowshoe hare browse and tracks,										
Comments	edges to older timber and flood plains or bog buffer zone, some central residual patches for diversity										
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:	windfall around edges, developing plantation, WS planted and good BS regeneration, noted WP in patches (weevil damage), manual maintain quality stems planted or natural regeneration, favour BF due to climate change implications, maintenance to increase vigor on quality stems and increase future resiliency, natural BS are doing well and should be favoured with WS (chose WS for good colour)										

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND # 790953, 790944				PLANTATION #					
PROPERTY #		467951		AREA		2.31 ha		Date		2 / 1 / 2025			
								D		M		Y	
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	AI					4							
2	RM	75	40	17	35	5							
3	WB	45	18	12	25	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 (%)		AI		%		RM		%		WB		%	
Even-aged		Uneven-aged		X								Biomass	
Slope		%		Aspect									
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed		X			
		Windfall		X		Non Forest		Ploughed					
		Clear Cut				Unknown							
Stand Maturity Class:		Regeneration				Immature		X		Mature		X	
Stand Stocking:		Understocked		X		Fully Stocked				Overstocked		Pachy	
Density:		SW		HW									
Advanced Regeneration:		Understocked		X		Fully Stocked				Overstocked		Pachy	
Regeneration:		1. Spp.		Height				2. Spp.		Height			
		3. Spp.		Height				4. Spp.		Height			
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		alder, red osier dogwood, sensitive fern											
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		X		Bog				Stream		X		Seeps	
Drainage:		Poor		X		Moderate		X		Good		Excellent	
Snag Trees:		Adequate		X		Inadequate						Erosion Control Required	
Coarse Woody Material:		Adequate		X		Inadequate						Y / N	
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed		coyote track, snowshoe hare tracks											
Comments		stream buffer, heavy windfall through most, openings of alder, small width stream											
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:		almost all the larger diameter trees unless snags have fallen out, some standing but root-shook from											
		Fiona, open patches of alder, large diameter BS/RS snags (bark beetles), leave area untreated to											
		protect wildlife and water quality values, leave to develop naturally, buffer more intact where											
		sheltered to southwest end, scattered RM and WB											

STAND TALLY SHEET												
CRUISER		L. Stevenson		STAND #		790576, 790647, 790943						
PROPERTY #		467951		AREA		6.33 ha		Date		2 /	1 /	2025
										D	M	Y
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	BS	80	30	15	20	4	BS	80	26	14	20	
2	LA	80	35	17	20	5						
3	RM	22	26	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		HWSL	M <sup>2</sup> /Ha
Species and (%)		BS60	%	LA10	%	AL25	%	RM15	%	BF		
Even-aged		X	Uneven-aged		Biomass							
Slope		%	Aspect		L							
Stand Origin:		Old Field		Partial Cut		X	Burn		Unploughed			
		Windfall		Non Forest					Ploughed			
		Clear Cut		X	Unknown							
Stand Maturity Class:		Regeneration		Immature		Mature		X	Over-mature			
Stand Stocking:		Understocked		Fully Stocked		X	Overstocked		Patchy		X	
Density:		SW	1,500	HW	500							
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:		sphagnum moss, blueberry, kalmia, sensitive fern, holly, alder, willow,										
Ground Hemlock		X	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		X	Bog		X	Pond		Stream		X	Seeps	
		X			X					X		
Drainage:		Poor		X	Moderate		X	Good		Excellent		Erosion Control Required
				X			X					Y / N
Snag Trees:		Adequate		X	Inadequate							
Coarse Woody Material:		Adequate		X	Inadequate							
Dens				Nests (Raptors, songbirds, etc.)								
Wildlife Observed												
Comments		large mapped BS bog, hardwood swamp type to west stand, BS buffer to bog										
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:		grouping of stands to include mapped bog, stand to west identified as having features consistent										
		with wetland in 2014 management plan, and buffer to bog; NO TREATMENT prescribed, leave area to										
		develop naturally to protect wetlands and associated wildlife and water quality values										



## Appendix G. Plantation Map with Contour Lines



## Appendix H. Work Completed

activity #	treatment code	amount completed	treatment date	treatment description		
	30B	2843	6/12/2018	Manual Site Preparation per Site (Hawk)		
3180111	30B	45	10/10/2018	Manual Site Preparation per Site (Hawk)		
	402	2	10/31/2017	Stream crossing log creation		
3180111	55W	630	6/12/2018	WHITE SPRUCE - WESTERN		
3180113	55W	1260	6/12/2018	WHITE SPRUCE - WESTERN		
3180112	55WI	693	6/12/2018	INTERPLANT WHITE SPRUCE - WESTERN		
3180112	56WI	65	6/12/2018	INTERPLANT WHITE PINE - WESTERN		
3180113	56WI	130	6/12/2018	INTERPLANT WHITE PINE - WESTERN		
3180111	56WI	65	6/12/2018	INTERPLANT WHITE PINE - WESTERN		
3180111	58WI	15	10/10/2018	INTERPLANT YELLOW BIRCH - WESTERN		
3180111	64WI	30	10/10/2018	INTERPLANT RED OAK - WESTERN		
3180111	88D	0.46	1/25/2022	Class 4 : Manual : 15001-20000/Ha <6 Metres		
	92	3.14	11/2/2017	Clearcut Block		