

**Date: April 9<sup>th</sup>, 2025**

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



**Woodlot Management Plan**

**Property Number: 24208**

**Location: Harmony**

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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 # 24208 is located on the Western Road, Route #2, in the community of Harmony, P.E.I., (Appendix A). The total area of this property is 20.2 hectares (50 acres) and the midpoint of the property is Latitude N 46.537321 decimal degrees, Longitude W -64.002493 decimal degrees.

### **Past Information**

Local records and previous aerial photography show that much of property was utilized for agriculture in the 20<sup>th</sup> century. The South portion was all actively farmed with fields extending to the East. The portion of old wooded land to the Northwest that was never cleared shows evidence of patch and clearcutting prior to 1968. The wetland to the Northwest has a dug drainage ditch that appears in a straight line through the wet section. Some remnant buildings from the old farm can be seen in the clearing at the Western end of the woodlot road/ driveway to the old farm site. To better illustrate this 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 a stream located on this property. This stream is one of the “headwaters” of the Sheep River. This stream flows through a large wetland. Approximately 5.10 Ha of this wetland is found on PP # 24208. The water flows from east to west, eventually ending up in the Sheep River. This observation can be viewed in Appendix A.

## **Property Access**

Access to this property is obtained through the use of a 400m class 1 woods road that accesses the central portion of the property on the same route as the old driveway to the historical farm location. This road also provided some access for forestry treatments on the adjacent property to the South. The road has a short distance of pavement at the Eastern end where it approaches the Western Road (Hwy 2). 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. The existing road on the property can be seen on Appendix A

## **Property Boundaries**

This property is bounded on the north and west by private land. The eastern boundary fronts on the Western Road. The property to the South is also Provincial Forest land.

## **Fire Protection**

This property is located within the jurisdiction of the Tyne Valley 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 along the north boundary of the property may 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.**

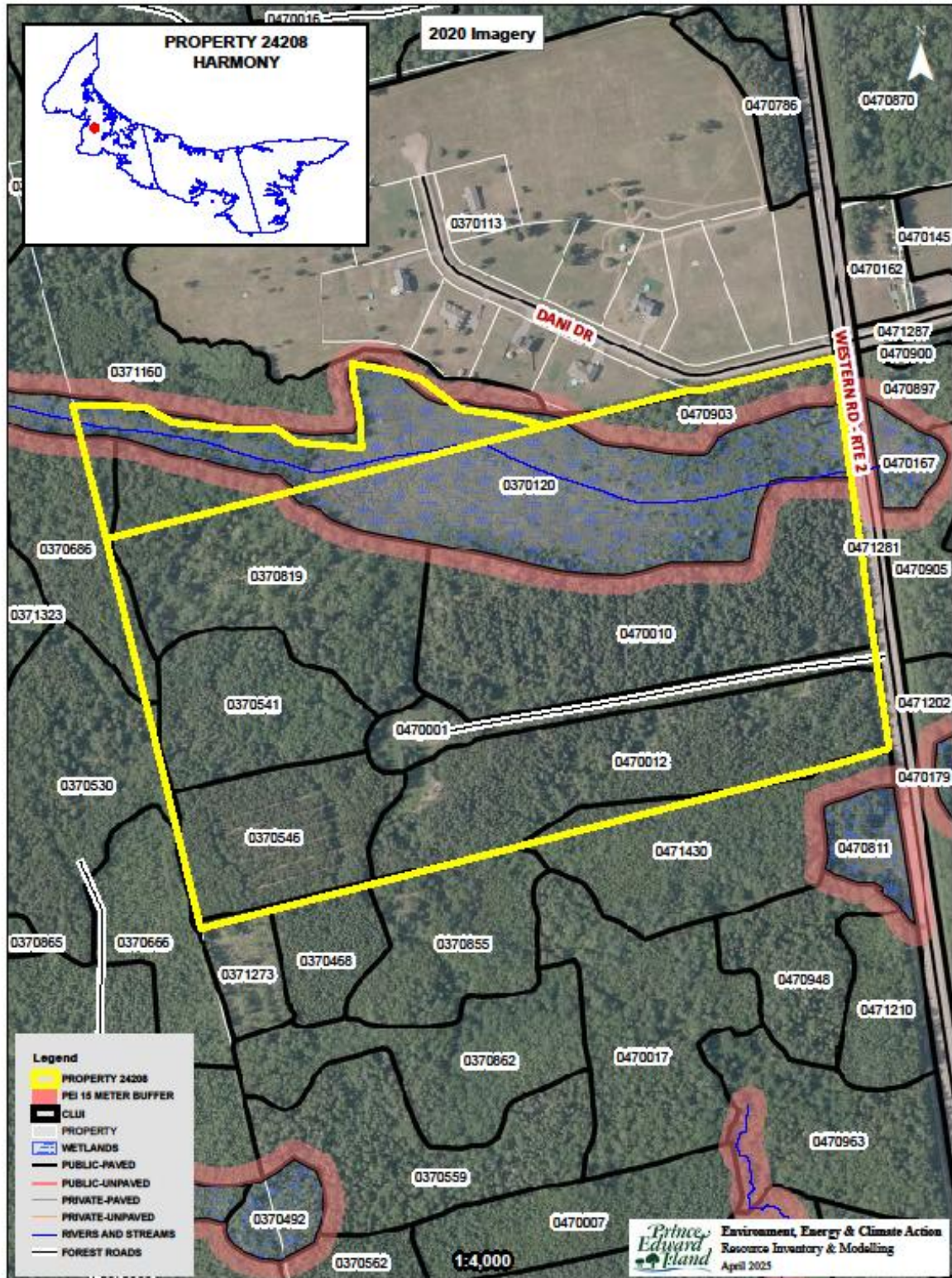
Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed (ha)	2018 Eco-Manual Reference	Comments	Goals
All	Road Maintenance	2025	all	Pg. 7, 9-12	Maintain woodlot road	Ensure access to woodlot for silvicultural and chainsaw training activities (this woodlot is often used for chainsaw courses in the Western District).
0470010, 0470012, PN 3760014	Modified Patch Harvest	2025	> 0.3 (yearly)	Pg.30	Patch harvest can be used for chainsaw training and to regenerate portions of the stand. Target areas with blowdown or other signs of stand decline first.	Salvage wood and train chainsaw users.
0470010, 0470012, PN 3760014	Manual Site Preparation & Reforestation	2025	> 0.3 (yearly)	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, WP, LA, RM, SM or YB.	Regenerate a biodiverse forest stand.
0370546, PN 3760029	Commercial Thinning	2025	1.83	Pg. 26	Remove merchantable stems to improve spacing for crop trees. Can use existing rows from 1st thinning and take out more stems between rows.	Improve growth and health of crop trees.
0370546, PN 3760029	White Pine Blister Rust Pruning	2025	1.83	Pg. 20	Although mostly RP, some WP in stand could be pruned 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

0470903, PN 3811501	Fire Smart	2025	30 m radius from structures	-	Reduce fuels around structures using Fire Smart Canada Guidelines	Reduce risk of wildfire to any nearby homes (subdivision to the north)
0470010, 0470012, PN 3760014	Manual Maintenance	2028	> 0.3 (yearly)	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).
0470010, 0470012, PN 3760014	Block Harvest	2032	7.86	Pg.30	Monitor for signs of stand decline (blowdown, bark beetle). If even-aged stand looks close to collapse schedule for block harvest.	Salvage wood.
0470010, 0470012, PN 3760014	Manual Site Preparation & Reforestation	2032	7.86	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, WP, LA, RM, SM or YB.	Regenerate a biodiverse forest stand.
0470010, 0470012, PN 3760014	Manual Maintenance	2035	7.86	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees (both planted and naturally regenerating).



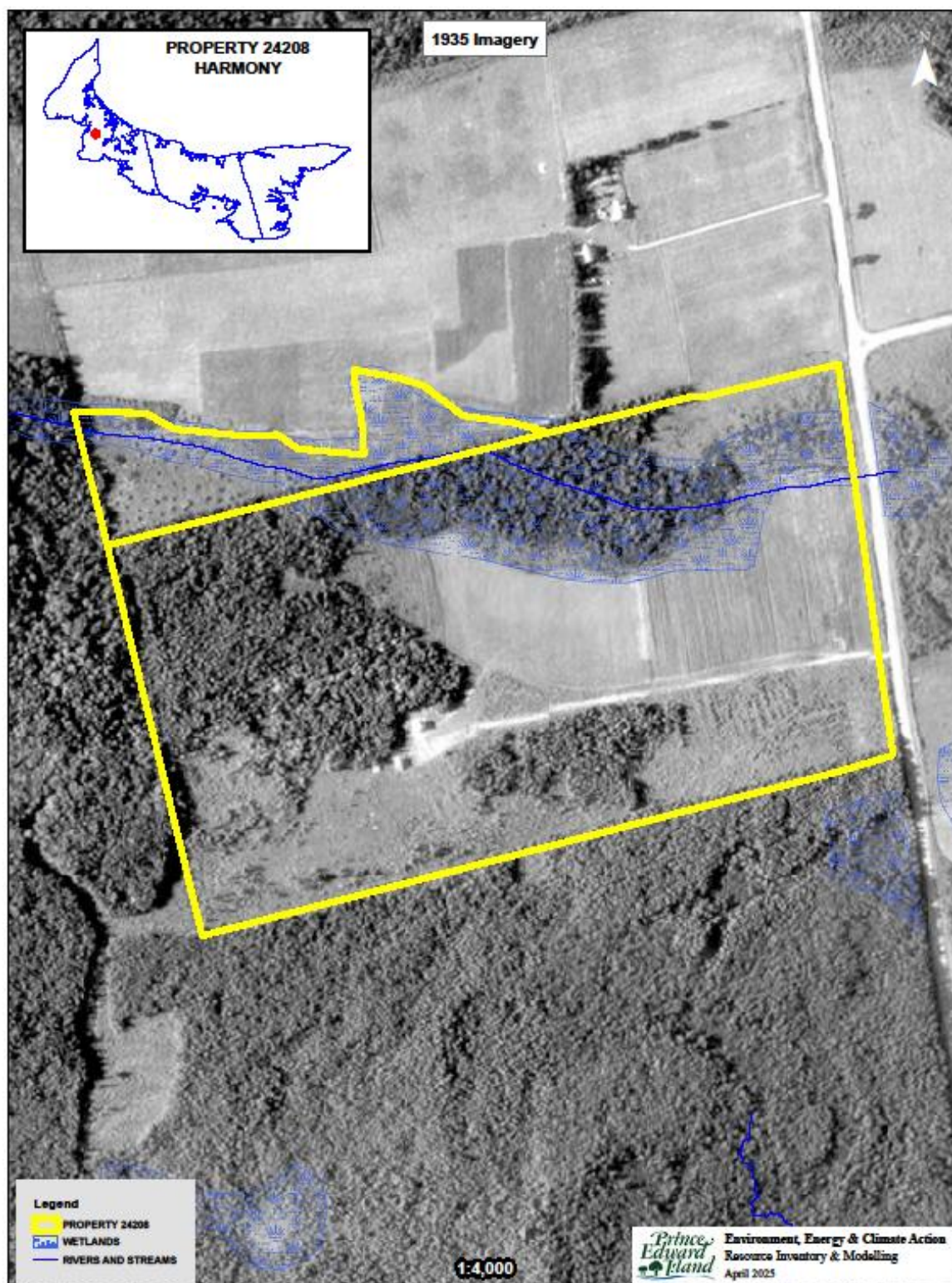
## **Appendices**

## Appendix A. Map of Property with Locator Map

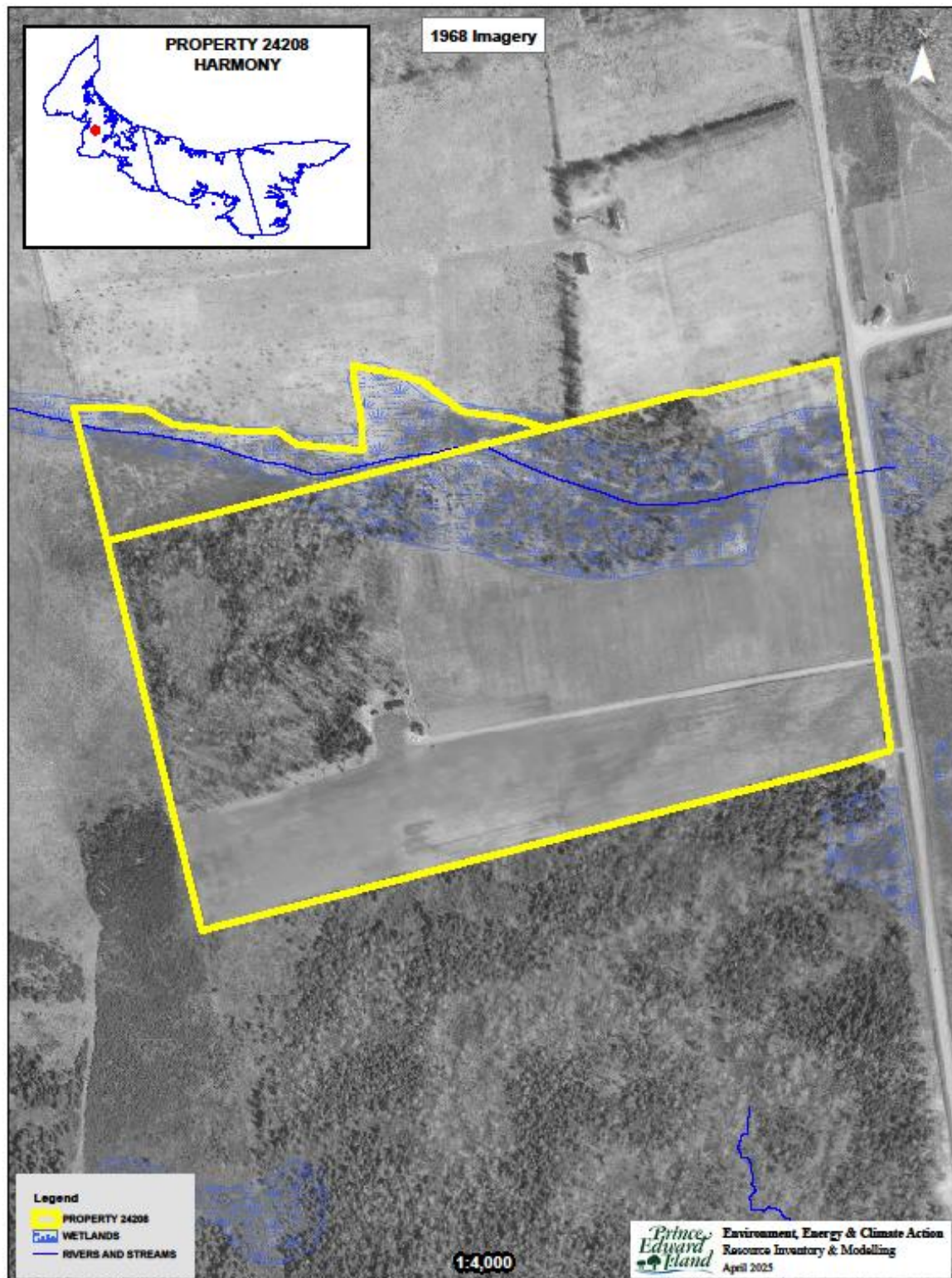




## Appendix B. 1935 Aerial Photography



## 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
0370113	GRS	5	BAR	2	PAV	1	TRE	1	BLD	1	0	0	0.03	
0370120		0		0		0		0		0	0	0	5.28	
0370468	WS	9	PO	1		0		0		0	9	80	0.03	WSPR
0370530	GB	3	WS	2	RM	2	PO	2	BF	1	12	75	0.05	IHMX
0370541	LA	3	RM	3	PO	2	BF	1	WB	1	13	75	1.77	IHSW
0370546	RP	5	GB	3	PO	1	RM	1		0	11	80	1.83	SWIH
0370686	GB	5	RM	2	PO	2	BF	1		0	12	85	0.29	IHMX
0370819	RM	5	PO	3	WS	1	WB	1		0	16	65	3.56	IHMX
0370855	GB	4	PO	3	WP	1	BS	1	RM	1	12	80	0.01	IHMX
0371160	RM	4	WS	2	GB	2	LA	1	PO	1	12	65	0.04	IHMX
0371273	WP	10		0		0		0		0	0	0	0.03	WP
0470001	SHR	5	GRS	3	TRE	2		0		0	0	0	0.93	
0470010	WS	7	BF	2	WB	1		0		0	12	80	4.42	WSPR
0470012	WS	5	RM	2	GB	1	BF	1	LA	1	13	80	3.44	SPBF
0470903	WB	4	RM	3	BS	1	WS	1	PO	1	14	75	0.79	IHMX
0471281	PAV	10		0		0		0		0	0	0	0.00	
0471430	PO	6	GB	3	BF	1		0		0	14	90	0.17	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	J. LeClair			STAND #	0470010, 0470012			PLANTATION #	3760014		
PROPERTY #	24208 Harmony			AREA	7.86 ha			Date	7 / 4 / 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	49	28	16	33	4					
2	BF	49	21	15.5	33	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	%	BF10	%	BS10	%	WB, RM, PO	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	1,400	HW	100							
Advanced Regeneration:	Understocked X	Fully Stocked		Overstocked	Patchy						
Regeneration:	1. Spp. RM	Height	1.8 m	2. Spp. BF	Height	0.2 m					
	3. Spp.	Height		4. Spp.	Height						
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	haircap moss, feather moss, wild raisin, alternate leaved dogwood										
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	Creek and wetland to the north of the stand, buffer 15 m.										
STAND PRESCRIPTION											
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut X					
Shelterwood Cut		Selection Cut		Patch Cut	X	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>Monitor for signs of significant stand decline and block harvest when needed. Could plant WS, WP, LA, RM, SM, RO or YB. This stand is occasionally used for chainsaw courses, making small patch cuts. These sites do get some natural regeneration but some level of planting in these training areas could enhance biodiversity (could plant WP, LA, WS, YB, RO or SM). Currently less than 10% blowdown present in the stand.</u>										

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		370546		PLANTATION #		3760029			
PROPERTY #		24208 Harmony		AREA		1.83 ha		Date		7 / 4 / 2025			
								D		M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RP	49	24.4	16	35	4							
2	WP	49	17.5	13.5	45	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	%	WP10	%	WS, GB, RM 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		X	
Stand Stocking:		Understocked				Fully Stocked		X		Overstocked			
Density:		SW	1,600	HW	100								
Advanced Regeneration:		Understocked		X		Fully Stocked				Overstocked			
Regeneration:		1. Spp. BF		Height		1 m		2. Spp. RM		Height		1.3 m	
		3. Spp. WA		Height		2 m		4. Spp.		Height			
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		beaked hazelnut, haircap 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		X		Good		X		Excellent	
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		X		Afforestation				Site Preparation					
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt					
Pln. Maint.		Y / N		Stems/Ha									
Comments:		<p>Could do another commercial thin (one has been done already) using the existing rows for equipment and taking out some more volume between rows to give more space to crowns and improve stand health and growth. Some WP present in the stand could be pruned to improve wood quality and reduce risk of white pine blister rust.</p>											



STAND TALLY SHEET											
CRUISER	J. LeClair		STAND #		470903		PLANTATION #		3811501		
PROPERTY #	24208 Harmony		AREA		0.79 ha		Date	7 /	4 /	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	44	15	12	30	4					
2	RM	44	23	14	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 (%)	BS30	%	RM30	%	PO10	%	BF10	%	GB, WB, Beech	20	%
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	X	Unknown								
Stand Maturity Class:	Regeneration		Immature	X	Mature		Over-mature				
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy				
Density:	SW	1,000	HW	1,200							
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	X			
Regeneration:	1. Spp.	RM	Height	1-5 m	2. Spp.	BS	Height	1 m			
	3. Spp.	BF	Height	1-5 m	4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	raspberry, bracken fern, 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	X	Bog		Pond		Stream	X	Seeps		Beaver Present	Y / N
Drainage:	Poor		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	Creek and wetland south of stand, buffer 15 m.										
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:	Approximately 35 % of this stand is blown down. The stand could be left as is for biodiversity values to enhance the buffer zone on the adjacent stream and wetland, with only some <b>fire smart work</b> done near the adjacent houses to lower fire risk (removing deadfall and pruning conifer trees 30 m from homes).										

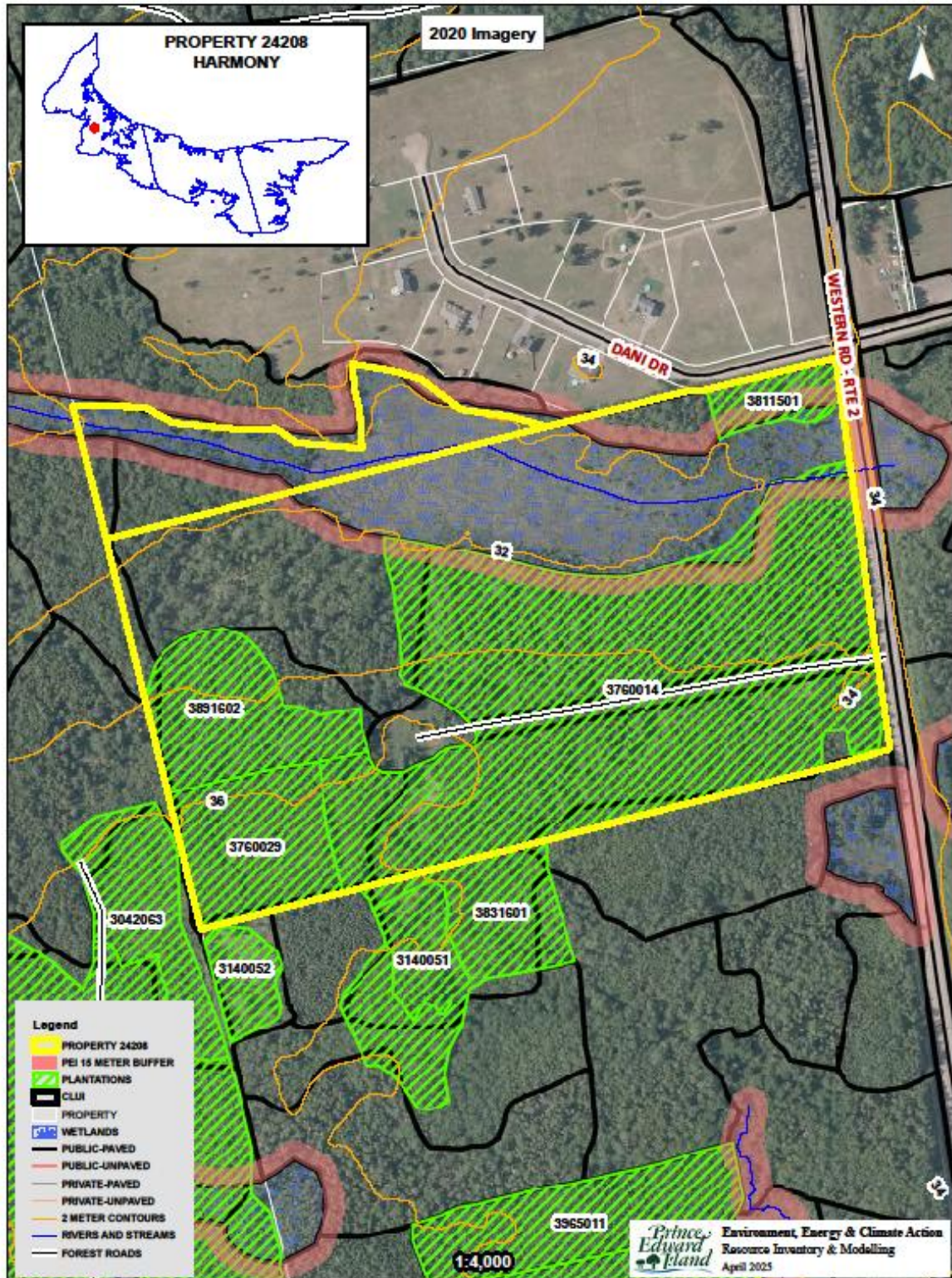
STAND TALLY SHEET												
CRUISER	J. LeClair		STAND #	370541		PLANTATION #	3891602					
PROPERTY #	24208 Harmony		AREA	1.77 ha		Date	7 /	4 /	2025			
							D	M	Y			
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WA	36	16	14	35	4						
2	LA	36	19.5	15	25	5						
3	RM	36	19	15	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 (%)	RM30	%	LA30	%	WA20	%	BF10	%	YB, GB, WS, BS 10%			
Even-aged	X		Uneven-aged								Biomass	
Slope	0	%	Aspect	L								
Stand Origin:	Old Field		Partial Cut	X		Burn			Unploughed	X		
	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	2,000								
Advanced Regeneration:	Understocked		X	Fully Stocked			Overstocked		Patchy			
Regeneration:	1. Spp.	WA		Height	2 m		2. Spp.	BF		Height	1-5 m	
	3. Spp.	BS/WS		Height	0.5 m		4. Spp.			Height		
GROUND OBSERVATIONS												
Ground Vegetation Species Present:			beaked hazelnut, bracken fern, sensitive fern									
Ground Hemlock			X	Y / N								
Invasive Species Present				Y / N	X	If yes then what species:						
Site Indicators			X	Y / N		If yes then what species: sensitive fern - wet site						
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	snowshoe hare											
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 LA blowdown in stand (20%) where ground is wetter. SE side of stand is immature WA/RM. LA quality is crooked and spindly and ground too wet for thinning to improve without further blowdown risk. Leave stand as is for biodiversity values and let it transition to a hardwood dominant mixed wood.											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		370120		PLANTATION #					
PROPERTY #		24208 Harmony		AREA		5.28 ha		Date		7 / 4 / 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	20	5	4	65	4							
2	RM	12	3	6.5	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	
Species and (%)		AI30 %		RM30 %		GB20 %		WB10 %		LA, WS 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 X		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW 200		HW 2,400									
Advanced Regeneration:		Understocked		Fully Stocked X		Overstocked		Patchy					
Regeneration:		1. Spp. RM		Height 5m		2. Spp. AI		Height 1-5 m					
		3. Spp. GB		Height 1-5 m		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		sensitive fern, bunchberry, wild raisin											
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 site							
ENVIRONMENTAL OBSERVATIONS													
Water Course		Y		Bog		Pond		Stream X		Seeps		Beaver Present	
Drainage:		Poor X		Moderate		Good		Excellent				Erosion Control Required	
Snag Trees:		Adequate X		Inadequate									
Coarse Woody Material:		Adequate X		Inadequate									
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed		None seen.											
Comments		Buffer stream and wetland 15 m from adjacent silviculture treatments.											
STAND PRESCRIPTION													
No Treatment				X		Regeneration Cut				Crop Tree Release			
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:		Stream and wetland, buffer 15 m and manage for biodiversity values.											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		370819		PLANTATION #					
PROPERTY #		24208 Harmony		AREA		3.56 ha		Date		7 / 4 / 2025			
								D		M		Y	
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	YB	80+	36	17	40	4							
2	RM	80+	23	16	35	5							
3	PO	80+	45	18	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	HWSL		M <sup>2</sup> /Ha
Species and (%)		PO30	%	RM30	%	WA10	%	YB10	%	Striped maple, Beech, WS, BF 20%			
Even-aged		0	Uneven-aged	L									
Slope		0	%	Aspect	L								
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed					
		Windfall	X	Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration			Immature	X	Mature	X	Over-mature	X			
Stand Stocking:		Understocked			Fully Stocked	X	Overstocked		Patchy				
Density:		SW	400	HW	1,600								
Advanced Regeneration:		Understocked			Fully Stocked	X	Overstocked		Patchy				
Regeneration:		1. Spp.	PO	Height	2-3 m	2. Spp.	WA	Height	5 m				
		3. Spp.	RM	Height	4-5 m	4. Spp.	BF	Height	1-5 m				
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		beaked hazelnut, bracken fern, sensitive fern											
Ground Hemlock		X	Y / N										
Invasive Species Present			Y / N	X	If yes then what species:								
Site Indicators		X	Y / N		If yes then what species: sensitive fern - wet site								
ENVIRONMENTAL OBSERVATIONS													
Water Course		Y	Bog		Pond		Stream	X	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		coyote and snowshoe hare tracks											
Comments		creek and wetland north of the 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:		Some nice YB in the stand. Large overmature PO, some with broken tops or blown down, that will make good wildlife trees.											



## Appendix G. Plantation Map with Contour Lines



### Appendix H. Work Completed

Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
3150514	110	1.44	9/28/2015	Commercial Softwood< 5000 /Ha
	16	0.42	8/31/2018	Misc. Road Maintenance
	16A	0.4	7/1/2015	Manual roadside trimming (brush saw)
	16B	0.4	3/31/2021	Mechanical roadside trimming
3230557	16B	0.4	1/22/2024	Mechanical roadside trimming
	16C	98	12/18/2020	Shale fill and leveling
3140502	16C	120	6/14/2014	Shale fill and leveling
3150501	16C	54	7/27/2015	Shale fill and leveling
3160511	16D	0.4	10/8/2016	Grading
3891601	30B	558	7/16/1991	Manual Site Preparation per Site (Hawk)
	400A	6	6/29/2018	Chainsaw Training
3190537	400A	15	4/13/2019	Chainsaw Training
3891601	56W	1.28	7/16/1991	WHITE PINE - WESTERN
3891601	56W	558	7/16/1991	WHITE PINE - WESTERN
3891601	82B	1.28	9/28/1990	Herbicide:Broadcast : 1st Treatment
3891601	88B	1.28	3/31/1995	Class 2 : Manual : 5001-10000/Ha <6 Metres
3891602	88B	0.72	11/23/1990	Class 2 : Manual : 5001-10000/Ha <6 Metres
3891602	88D	0.72	10/3/1994	Class 4 : Manual : 15001-20000/Ha <6 Metres
3891601	88D	1.28	10/18/1995	Class 4 : Manual : 15001-20000/Ha <6 Metres
3150515	89B	1440	9/28/2015	Pruning Up to 8 Feet
	97	8.4	2/16/2021	Wood Extraction