

Date: January 9<sup>th</sup>, 2026

**P.E.I.**

**Public Forests**



**Woodlot Management Plan**

**Property Number: 266718**

**Location: St-Chrysostome**

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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 # 266718 is located on the Higgins Road, Route #11, in the community of St-Chrysostome, P.E.I., (Appendix A). The total area of this property is 6.1 hectares (15 acres) and the midpoint of the property is Latitude N 46.520458 decimal degrees, Longitude W -64.078173 decimal degrees.

This property is part of a group of Provincially owned properties that are identified as the St-Chrysostome Wildlife Management Area. These are public use wildlife management areas as described in the Wildlife Management Act and Wildlife Management Areas Regulations (Schedule B). Protection of wildlife habitat and vegetation is the prime objective of the wildlife management area. A full list of permitted and restricted activities can be found in schedule B of the Wildlife Management Areas Regulations.

### **Past Information**

Local records and previous aerial photography show that all of the property with the exception of the stream and riparian zone to the north of this property was used for agricultural purposes early in the 20<sup>th</sup> century. To better illustrate this 1935 and 1968 photography can be seen in Appendix B and Appendix C. A White Spruce and a Larch plantation were established on this property in the late 1980's. The LA plantation had significant wind damage from Hurricane Dorian in 2019. It has since been salvaged and the area of the old plantation is regenerating naturally with White Ash and Red Maple predominant.

## **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 stream located at the north end of this property. The water generally flows from east to west and is identified as part of the Barachois stream. A “mapped” wetland is also shown in part of the flood plain of this stream. Both are protected by environmental legislation and are important areas for wildlife habitat. This stream is part of the St-Chrysostome watershed. This observation can be viewed in Appendix A.

## **Property Access**

There are no roads located on the woodlot. The property is adequately accessed from the Higgins Road. A small access culvert is located to the northeast just south of the stream and wetland. This culvert is narrow and would provide access for an ATV or small tractor. However, this culvert is relatively close to the stream and another access point may be required to prevent issues with sedimentation in the stream if any work was being completed. A second culvert and approach is located on the south end from Higgins road that is better suited to larger equipment. Ongoing road

maintenance will be required to keep any road or access point 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 this road usable. The property can be seen on

Appendix A.

### **Property Boundaries**

This property is bounded on the south, west, and north by private land. The eastern boundary fronts on the Higgins Road (Rte. #11).

### **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, West Point and New Glassgow 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 is one plantation 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.

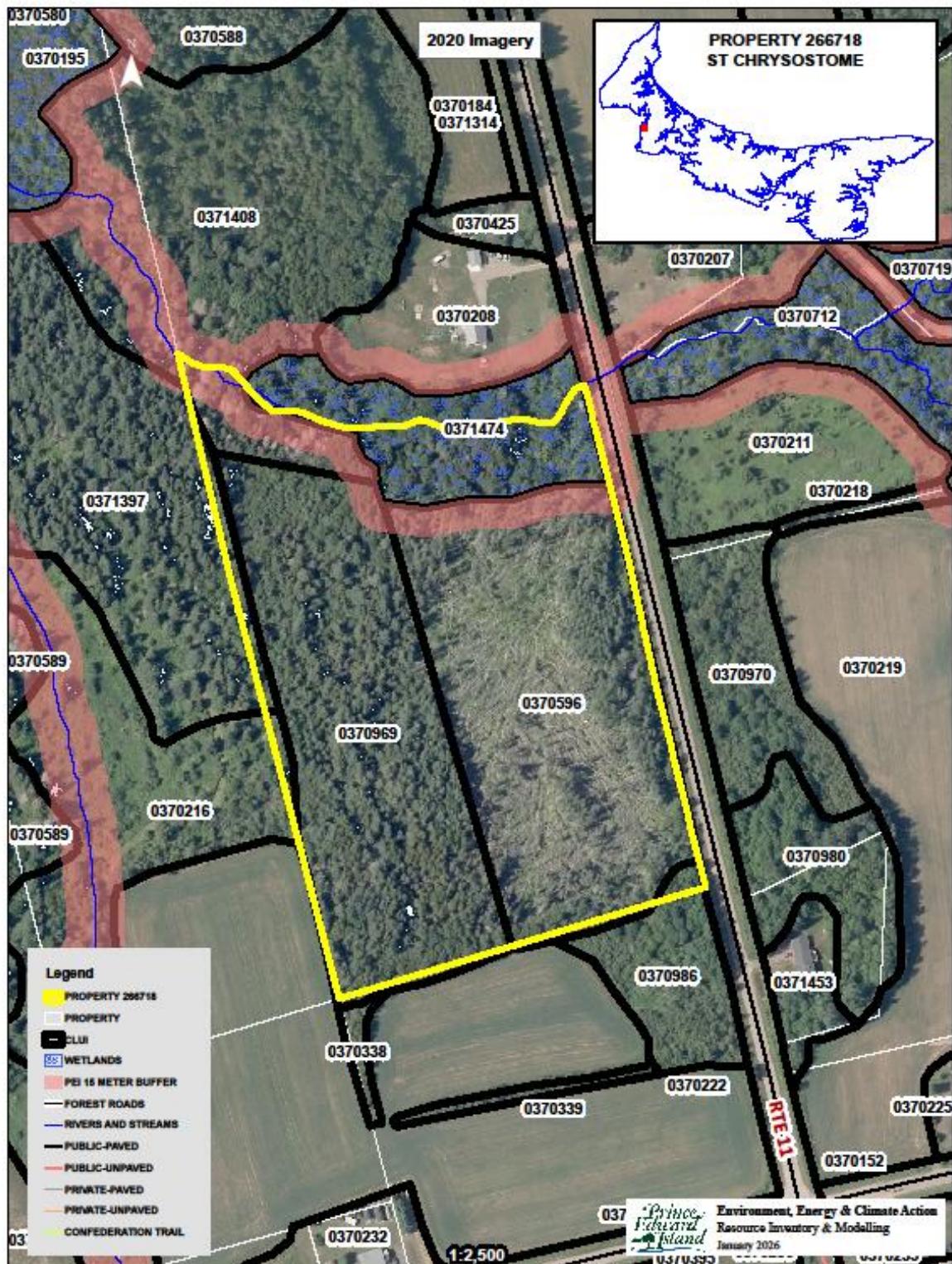
Due to this being a wildlife management area property, any recommended treatments done on this property are done to either enhance or protect wildlife habitat in accordance with the Wildlife Conservation Act.

**Table 1. Proposed Treatment Summary.**

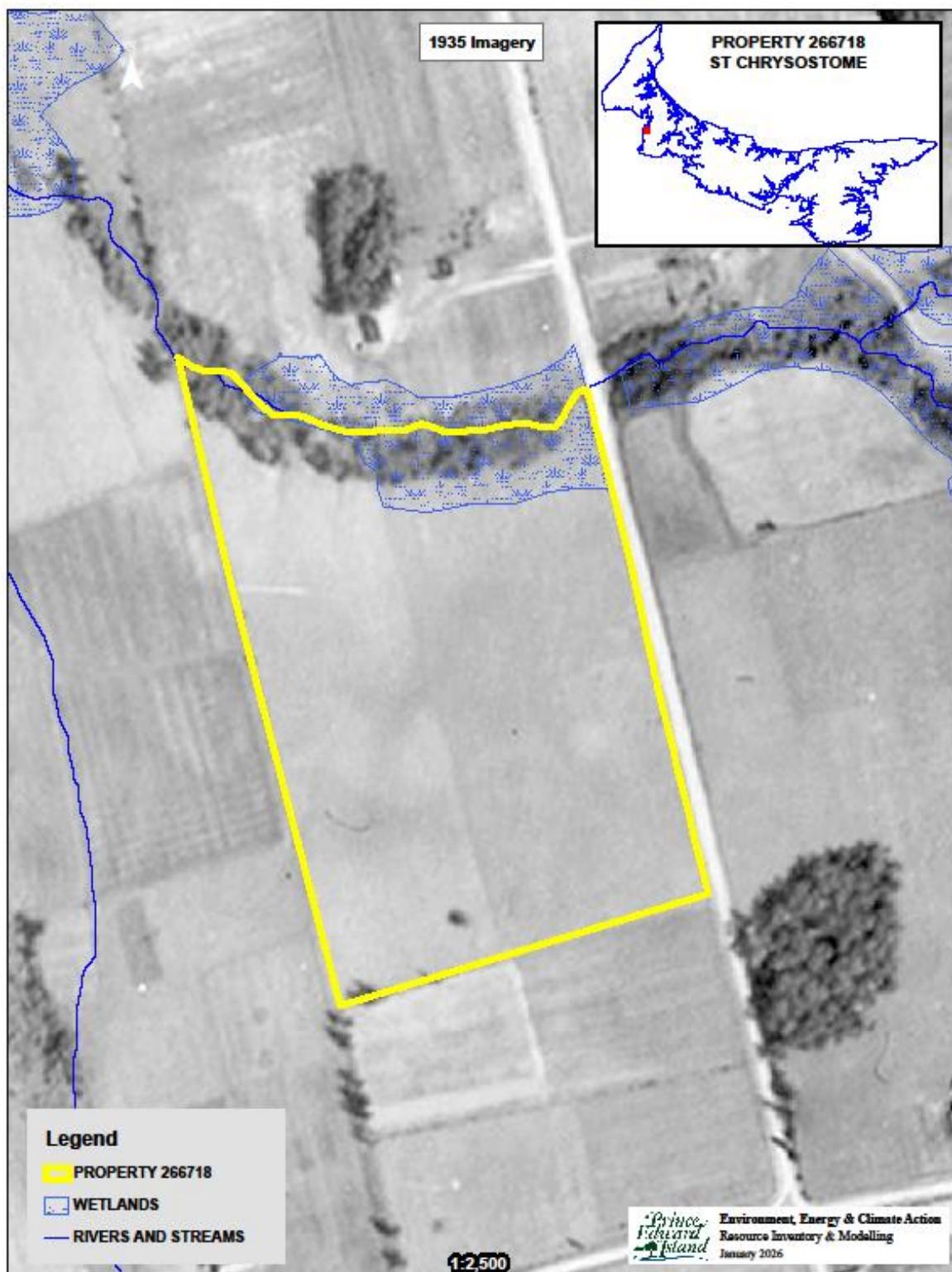
Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco-Manual Reference	Comments	Goals
371408, 371474	Invasive Specie Removal	2026	0.9 ha	Pg. 38	Girdle Manitoba Maple and hand pull any smaller regeneration. Permit may be required.	Remove tree specie that is non-native to PEI as it has the ability to outcompete native species that wildlife rely on.

## **Appendices**

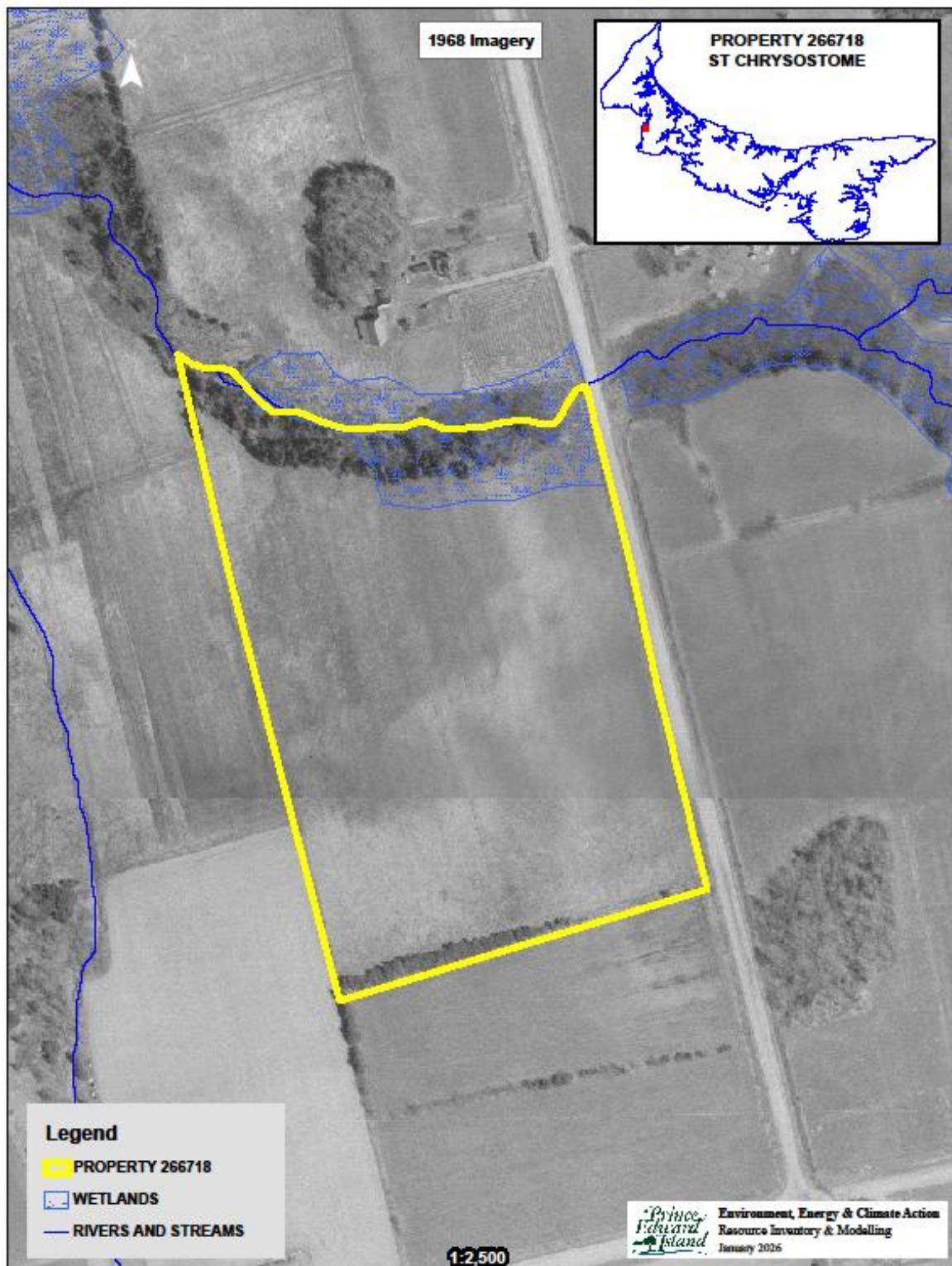
## Appendix A. Map of Property with Locator Map



## Appendix B. 1935 Aerial Photography



## Appendix C. 1968 Aerial Photography



## Appendix D. 2020 Corporate Land Use Inventory

FIELDID 2020	HECTARES	FIELDID 2010	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	WOODSTOCK	Fuel_Code
0370216	0.04	037463	RM	5	WB	2	AL	1	WS	1	PO	1	11	25	IHMX	D2
0370596	2.51	037473	DT	8	LA	1	RM	1		0		0	15	20	LAPR	M4-100
0370969	2.35	037374	LA	5	WB	2	WS	1	AL	1	RM	1	14	75	LAIH	C6
0370986	0.03	037474	RM	6	AL	2	WB	1	PO	1		0	7	75	IHMX	D2
0371397	0.11	037459	LA	9	BS	1		0		0		0	16	65	LAPR	C2
0371408	0.29	037471	RM	4	WS	2	WB	2	AL	1	PO	1	16	65	IHMX	D2
0371474	0.51	037384	RM	3	WS	2	BA	2	PO	2	AL	1	15	75	IHMX	D2

## 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>A</b>	91% - 100%
<b>1</b>	10 - 19%	<b>B</b>	81% - 90%
<b>2</b>	20 - 29%	<b>C</b>	71% - 80%
<b>3</b>	30 - 39%	<b>D</b>	61% - 70%
<b>4</b>	40 - 49%	<b>E</b>	51% - 60%
<b>5</b>	50 - 59%	<b>F</b>	41% - 50%
<b>6</b>	60 - 69%	<b>G</b>	31% - 40%
<b>7</b>	70 - 79%	<b>H</b>	21% - 30%
<b>8</b>	80 - 89%	<b>I</b>	11% - 20%
<b>9</b>	90 - 100%	<b>J</b>	0% - 10%

#### 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

#### ORIGIN AND HISTORY

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

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

STAND TALLY SHEET											
CRUISER	J. LeClair		STAND #	371408, 371474		PLANTATION #					
PROPERTY #	266718 St-Chrysostome			AREA	0.79	ha	Date	7	1	/	2026
							D	M			
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WA	20	8	11	40	4					
2	RM	15	6	6.5	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 (%)	AI	%	RM	%	WS	%	WA	%	PC, LA, YB, Elm 10%		
Even-aged			Uneven-aged	X					Biomass		
Slope	2 %	Aspect	N								
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed	X			
	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	200	HW	4,000							
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp. AI		Height	2-5 m	2. Spp. PC		Height	5 m			
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	Beaked hazelnut, wild rose, common elder, alternate leaved dogwood										
Ground Hemlock	Y / N	X									
Invasive Species Present	X	Y / N		If yes then what species:	Manitoba maple						
Site Indicators	X	Y / N		If yes then what species:	red-osier dogwood, sensitive fern - wet						
ENVIRONMENTAL OBSERVATIONS											
Water Course	Y	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	Black capped chickadee										
Comments	Creek had defined banks.										
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:	Remove invasive specie, Manitoba Maple, from the site (permit may be required). This could be done by girdling, which would provide valuable snags for wildlife. This stand was a mix of immature/mature WS, RM with younger WA, and wetter areas being more heavy to AL.										

### STAND TALLY SHEET

CRUISER	J. LeClair	STAND #	370596, 370986	PLANTATION #	
PROPERTY #	266718 St-Chrysostome	AREA	2.54 ha	Date	7 / 1 / 2026

#### SAMPLE TREE INFORMATION

Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	RM	4	0.4	1.4	90	4					
2	WA	4	1	1.8	90	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 (%)	WA30	%	RM30	%	PC20	%	LA10	%
Even-agec	X	Uneven-aged						Biomass
Slope	0 %	Aspect	L					
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed	
	Windfall	X	Non Forest				Ploughed	X
	Clear Cut		Unknown					
Stand Maturity Class:	Regeneration	X	Immature		Mature		Over-mature	
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy	
Density:	SW	100	HW	2,200				
Advanced Regeneration:	Understocked		Fully Stocked	X	Overstocked		Patchy	
Regeneration:	1. Spp.	WA	Height	1-2 m	2. Spp.	RM	Height	1-1.5 m
	3. Spp.		Height		4. Spp.		Height	

#### GROUND OBSERVATIONS

Ground Vegetation Species Present:	sensitive fern, red-osier dogwood, grasses, goldenrod, raspberry, elderberry, beaked hazelnut, wildrose			
Ground Hemlock	Y / N	X		
Invasive Species Present	X	Y / N	If yes then what species: Manitoba Maple N edge	
Site Indicators	X	Y / N	If yes then what species: sensitive fern, red-osier, alder - wet	

#### ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	Pond	Stream	Seeps	Beaver Present	Y / N
Drainage:	Poor	x	Moderate	X	Good	Excellent	Erosion Control Required
Snag Trees:	Adequate	x	Inadequate				Y / N
Coarse Woody Material:	Adequate	X	Inadequate				
Dens		Nests (Raptors, songbirds, etc.)					
Wildlife Observed							
Comments	North side of stand adjacent to mapped wetland and falls within the 15 m buffer.						

#### 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:	This was an old LA plantation that has since been salvaged after hurricane Dorian in 2019. WA, RM, and WB natural regeneration is at sufficient numbers that planting is not required and natural succession shall occur as the primary goal of the woodlot is wildlife habitat and food.						

STAND TALLY SHEET									
CRUISER	J. LeClair	STAND #	370969, 371397,		370216	PLANTATION #	3881552		
PROPERTY #	266718 St-Chrysostome		AREA	2.49 ha	Date	7 / 1 / 2026	D	M	Y

SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WS	38	28	14.5	40	4					
2	LA	38	30	16	35	5					
3						6					

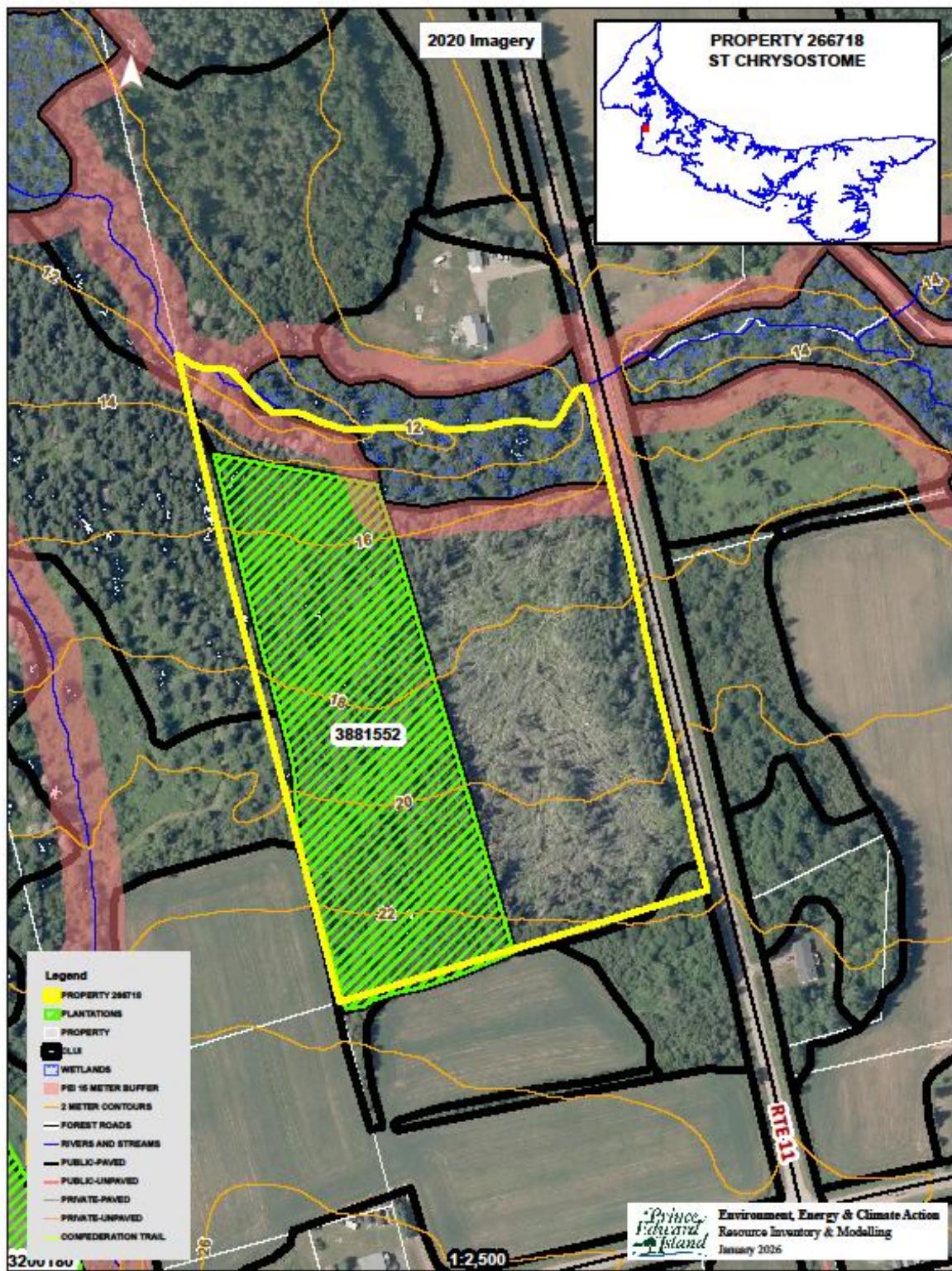
STAND INFORMATION										
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha		
Species and (%)	WS60 %	LA20 %	WB10 %		%	AL, WI, RM, 10%				
Even-aged	X	Uneven-aged					Biomass			
Slope	1 %	Aspect	N							
Stand Origin:	Old Field	X	Partial Cut		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	X		
Density:	SW	2,600	HW	100						
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:	wood fern, shreber's moss										
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:							

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		Red squirrel								
Comments	North side of stand near stream has poorer drainage.									

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:	As this is a wildlife management area, no treatment is recommended at this time. The plantation has some small patches of blowdown which should enhance wildlife habitat.									

## Appendix G. Plantation Map with Contour Lines



#### **Appendix H. Work Completed**

<b>Activity Number</b>	<b>Treatment Code</b>	<b>Amount Completed</b>	<b>Treatment Date</b>	<b>Treatment Description</b>
	16C	112	2020-12-03	Shale fill and leveling
3250532	170	2.3	2025-08-13	Salvage
	3W	1	2021-01-04	Water Diversion Structure