

Date: April 8<sup>th</sup>, 2025

**P.E.I.**

**Public Forests**



**Woodlot Management Plan**

**Property Number: 472910 & 446765**

**Location: Roseville**

## Table of Contents

Goals and Management Objectives .....	1
Property Overview .....	2
Location.....	2
Past Information .....	2
Property Information .....	2
Wetland and Watercourses .....	3
Property Access.....	3
Property Boundaries .....	3
Fire Protection .....	3
Planting and Silviculture .....	4
Proposed Treatments .....	4
Table 1. Proposed Treatment Summary.....	5
Appendices.....	7
Appendix A. Map of Property with Locator Map.....	8
Appendix B. 1935 Aerial Photography .....	9
Appendix C. 1968 Aerial Photography .....	10
Appendix D. 2020 Corporate Land Use Inventory .....	11
Appendix E. Forest Inventory Codes .....	12
Appendix F. Stand Tally Sheets from on the Ground Assessment.....	13
Appendix G. Plantation Map with Contour Lines.....	19
Appendix H. Work Completed .....	20

## **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 # 472910 & 446765 are neighboring land-locked properties located approximately 850m East of Watson Road, Route #14, in the community of Roseville, P.E.I. (Appendix A). The total area of these combined properties is 34.98 hectares (86.46 acres), and the midpoint of the property is Latitude N 46.82290 decimal degrees, Longitude W -64.21474 decimal degrees.

### **Past Information**

Local records and previous aerial photography show that little has changed regarding the forested land upon this property. To better illustrate, the 1935 and 1968 photography can be seen in Appendix B and Appendix C. The provincial forest system database has no records of forestry work, including silviculture work or road construction/maintenance, to have taken place on either PID 472910 & 446765.

### **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 are no streams or watercourses on this property, however, there is a two-hectare wetland located at the southern end of PID 472910 (Appendix A). A 15-metre buffer zone is to be maintained around this wetland.

### **Property Access**

These properties do not have direct access from public roads or woods roads. The property lies east of Watson Rd, approximately 1km through private land. Access is an issue here and should be resolved for future management of these properties, whether it be an agreement with private landowners or through construction. An option for construction could be an extension from Watson Rd. Ongoing road maintenance will be required to keep the road usable. 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.

### **Property Boundaries**

This property is bounded on the North, South, East, and West by private land.

### **Fire Protection**

This property is located within the jurisdiction of the Miminegash 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. There's an open water source located 400m Northwest of the property, on private land, that would potentially be a suitable site to set up a portable fire pump system.

### **Planting and Silviculture**

There are 0 plantations on the property currently. 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.

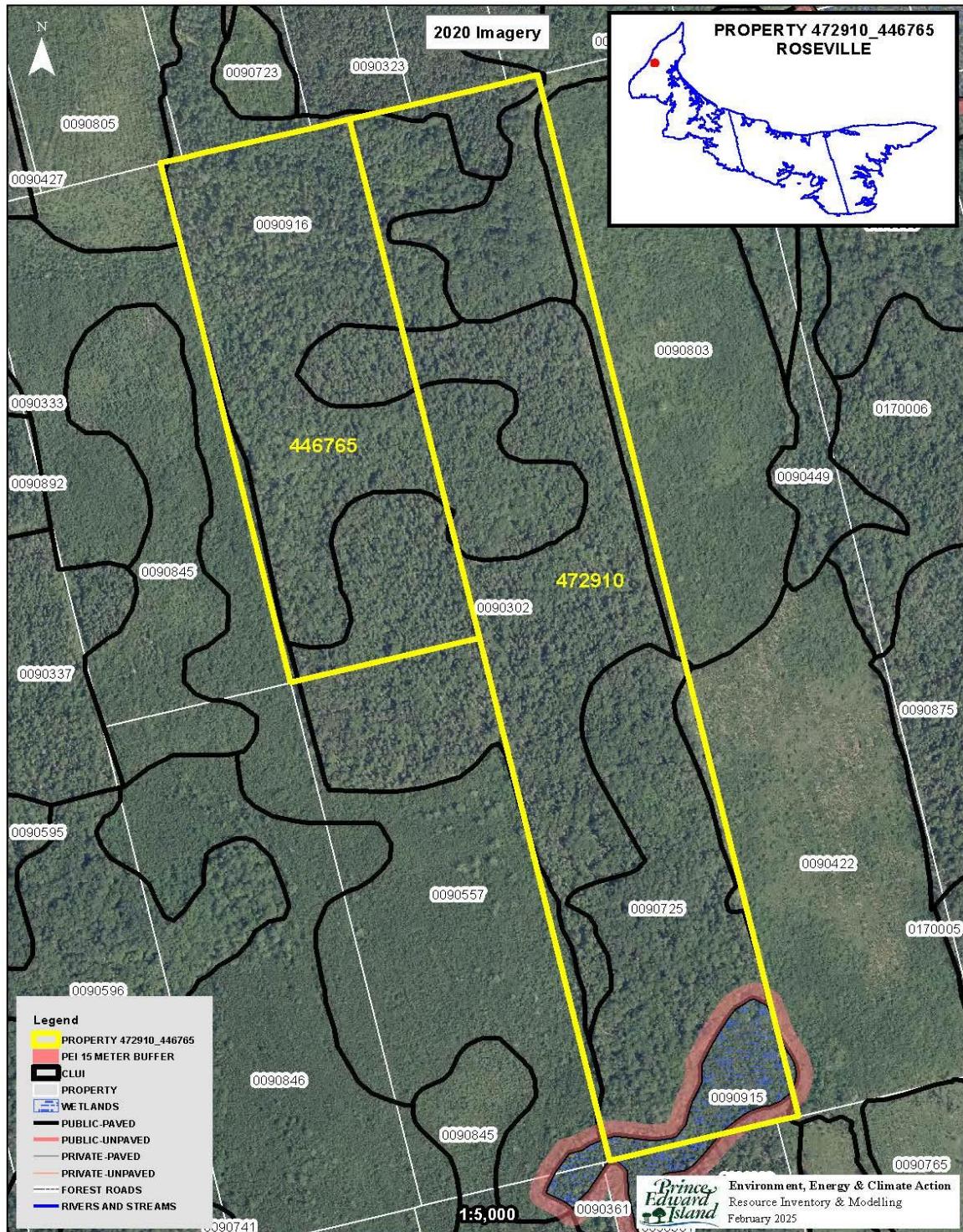
**Table 1. Proposed Treatment Summary.**

Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco- Manual Reference	Comments	Goals
Road	Road Construction	2025	Unkown	9 pg	Explore options to resolve access. The property is landlocked with no legal access. Some road construction (with appropriate water diversion structures may be required.	Improve access to multiple government-owned woodland properties.
Road	Road Maintenance	2025	All	12 pg	If any section of road is constructed, road maintenance will be required.	Improve access to multiple government-owned woodland properties. Improve & maintain road access
Water Course Crossing	Culvert or bridge installation	2025	Where applicable	12 pg	Construct road crossing for water courses during road construction	Minimize disturbance when accessing harvest site
ST 90302	Block Harvest	2025	11.01 Ha	30 pg	Remove mature softwoods in decline and retain tolerant hardwoods and seed trees where possible. Stand is showing signs of decline, low % LCR, and windfall. Salvage while merchantable.	Salvage mature Softwood and declining timber.
	Full Plant	2025	11.01 Ha	16 pg	Plant species that are ecologically suited for the site. Such as WS, LA, BS, WP, YB, RM, WA.	Reforest the stand to supplement natural regeneration
	Manual Maintenance	2029	11.01 Ha	17 pg	Eliminate unwanted species that are competing with crop trees. Crop trees include planted stems and favourable natural regenerating stems	Increase growth rate & succession of crop trees while maintaining Diversity

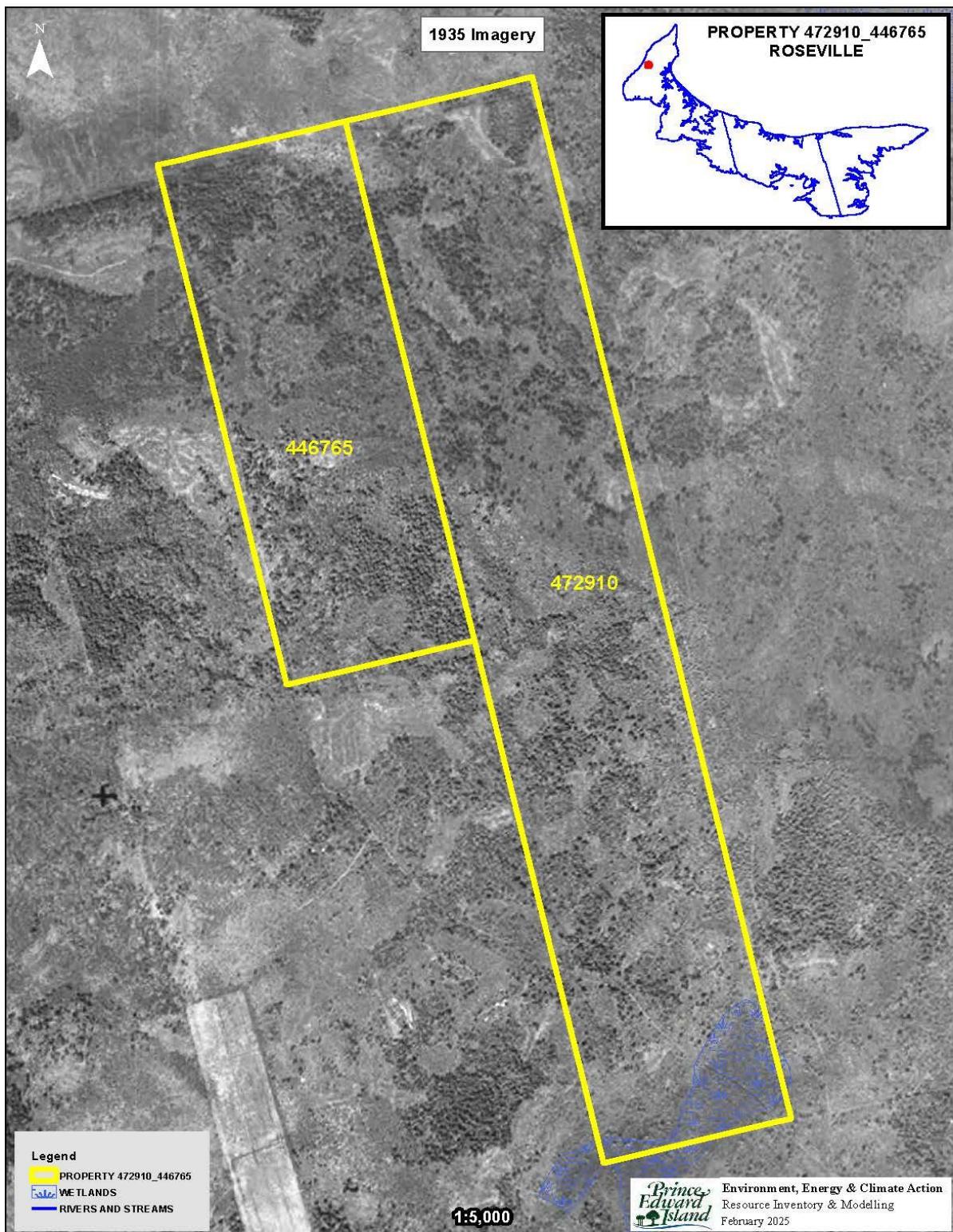
ST 90323	Block Harvest	2025	0.7 Ha	30 pg	Remove mature softwoods in decline and retain tolerant hardwoods and seed trees where possible. Stand is showing signs of decline low % LCR and windfall. Salvage while merchantable.	Salvage mature Softwood and declining timber.
	Full Plant	2025	0.7 Ha	16 pg	Plant species that are ecological suited for the site. Such as WS, LA, BS, WP, YB, RM, WA.	Reforest the stand to supplement natural regeneration
	Manual Maintenance	2025	0.7 Ha	17 pg	Eliminate unwanted species that are competing with crop trees. Crop trees include planted stems and favourable natural regenerating stems	Increase growth rate & succession of crop trees while maintaining Diversity

## **Appendices**

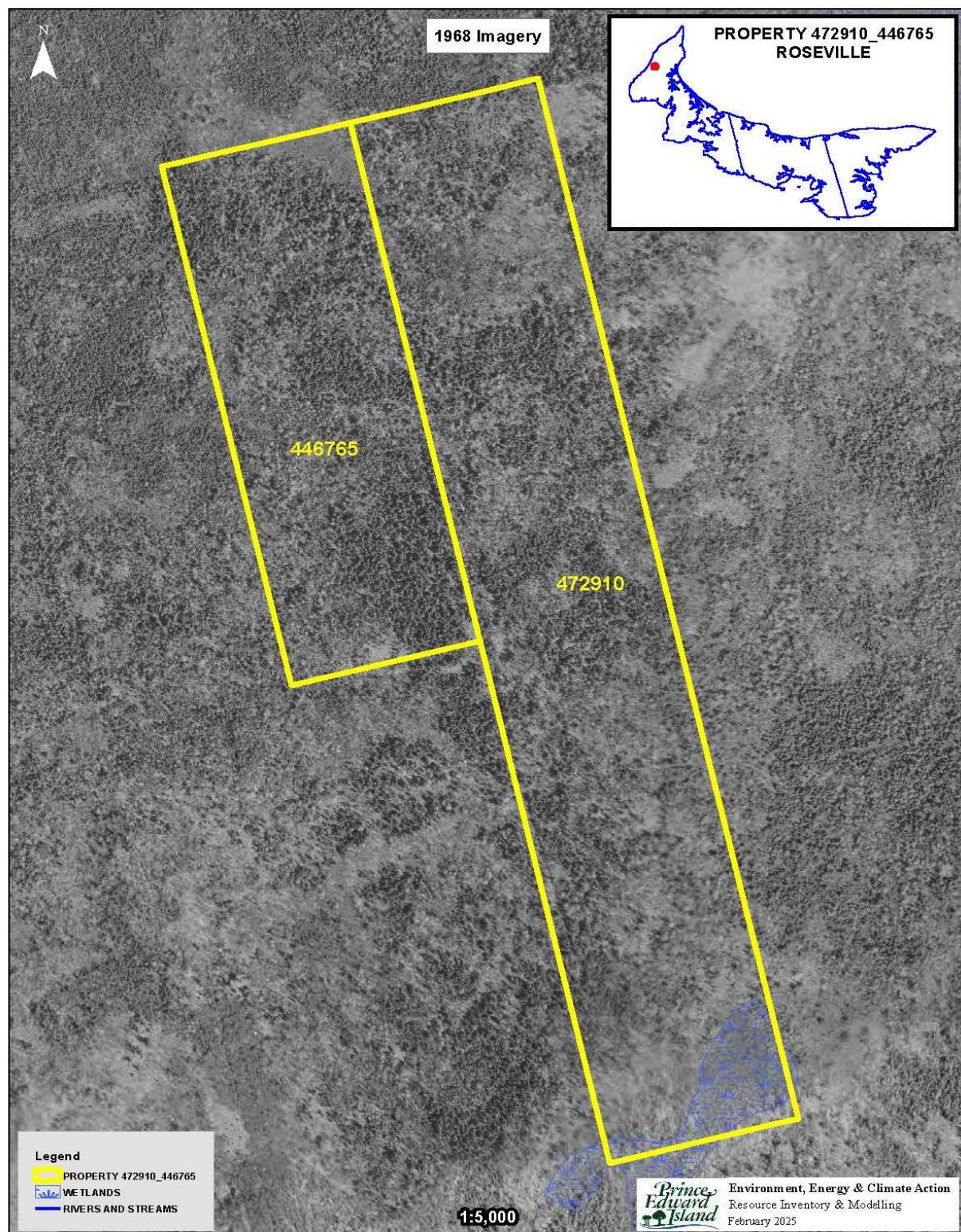
## Appendix A. Map of Property with Locator Map



## Appendix B. 1935 Aerial Photography



## Appendix C. 1968 Aerial Photography



**Appendix D. 2020 Corporate Land Use Inventory**

RELDID	LANDUSE	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	HECTARES	WOODSTOCK	LDR_HGT	Fuel_Code
0090302	FOR	BS	5	BF	2	RM	2	PO	1		0	15	75	11.01	SPBF	16.53	M2-50
0090323	FOR	BS	8	PO	1	LA	1		0		0	15	80	0.69	BSPR	16.22	C2
0090422	FOR	CC	10		0		0		0		0	2	0	0.37	CC	6.15	S2
0090915	WET	RM	3	PO	3	BF	2	AL	2		0	4	80	1.18	IHMX	12.53	D2
0090542	FOR	RM	3	PO	3	BF	2	BS	1	WB	1	17	85	2.13	IHMX	19.61	M2-50
0090557	FOR	BF	3	RM	2	PO	2	GB	2	WB	1	6	85	0.56	IHMX	8.75	M2-50
0090916	FOR	BS	3	RM	3	BF	2	PO	2		0	15	75	11.98	SWIH	16.69	M2-50
0090725	FOR	PO	4	RM	3	BF	2	WS	1		0	19	85	6.11	IHMX	19.66	M2-50
0090938	FOR	PO	3	RM	3	BF	2	WB	1	WS	1	18	80	0.11	IHMX	19.97	M2-50
0090803	FOR	CC	10		0		0		0		0	3	0	0.84	CC	5.20	S2

## 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

#### 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

<b>STAND TALLY SHEET</b>												
CRUISER		M.Buchanan		STAND #		90302		PLANTATION #				
PROPERTY #	PID 472910 & 446765			AREA	11.01 ha	Date	21 /	2 /	2025	D	M	
											Y	
<b>SAMPLE TREE INFORMATION</b>												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	LA	60	49.8	17m	50	4						
2	BS	60	27.9	14m	20	5						
3	RM	50	24.2	14m	40	6						
<b>STAND INFORMATION</b>												
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 (%)	BS5	%	RM2	%	BF2	%	LA10	%				
Even-aged x	Uneven-aged										Biomass	
Slope	0 %	Aspect	NA									
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown x									
Stand Maturity Class:	Regeneration		Immature		Mature x		Over-mature					
Stand Stocking:	Understocked		Fully Stocked x		Overstocked		Patchy					
Density:	SW 1,200	HW 400										
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp. BS	Height 1m		2. Spp. PO	Height 1m							
	3. Spp.	Height		4. Spp.	Height							
<b>GROUND OBSERVATIONS</b>												
Ground Vegetation Species Present:	Lambkill, Wild raisen. Inventory 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:								
<b>ENVIRONMENTAL OBSERVATIONS</b>												
Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N
Drainage:	Poor		Moderate	x	Good		Excellent			Erosion Control Required	N	Y / N
Snag Trees:	Adequate x		Inadequate									
Coarse Woody Material:	Adequate x		Inadequate									
Dens	N	Nests (Raptors, songbirds, etc.)	N									
Wildlife Observed												
Comments												
<b>STAND PRESCRIPTION</b>												
No Treatment				Regeneration Cut			Crop Tree Release			Block Cut	x	
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:	<p>This is a mature softwood stand, with the majority BS, LA, BF, and some mature WP and RS scattered throughout the stand. LCR of BS is quite low, showing that it may be starting to decline. Stand has drainage issues any silviculture activities will occur under frozen or drought conditions. Inventory was done during snow cover, and the property will be revisited before any work takes place to ensure no sensitive or rare species are present within the stand. Recommend block harvests the stand; however, areas of SW decline will be focused on while leaving seed trees to help establish the next generation of trees. Natural regeneration has a chance to succeed here as the ground has not been farmed, looking back at imagery stand has been untouched. Recommend block harvest, natural regeneration or planting, and monitor and maintain.</p>											

### STAND TALLY SHEET

CRUISER	M.Buchanan	STAND #	90323		PLANTATION #			
PROPERTY #	PID 472910 & 446765		AREA	0.7 ha	Date	21 /	2 /	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	60	33.5	17m	70	4					
2	RM	40	17.3	14m	40	5					
3	BS	60	28.9	16m	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 (%)	BS5 %	BF2 %	RM10 %	PO10 %	LA10			
Even-aged x	Uneven-aged							Biomass
Slope _____ %	Aspect _____							
Stand Origin:	Old Field	Partial Cut	Burn		Unploughed			
	Windfall	Non Forest			Ploughed			
	Clear Cut	Unknown x						
Stand Maturity Class:	Regeneration	Immature	Mature x		Over-mature			
Stand Stocking:	Understocked	Fully Stocked x	Overstocked		Patchy			
Density:	SW 1,400	HW 500						
Advanced Regeneration:	Understocked x	Fully Stocked	Overstocked		Patchy			
Regeneration:	1. Spp. BF	Height 1m	2. Spp. BS	Height 0.5m				
	3. Spp. _____	Height _____	4. Spp. _____	Height _____				

#### GROUND OBSERVATIONS

Ground Vegetation Species Present:	Lambkill. Done in winter		
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	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N
Drainage:	Poor	Moderate	x	Good		Excellent				Erosion Control Required	N	Y / N
Snag Trees:	Adequate x	Inadequate										
Coarse Woody Material:	Adequate x	Inadequate										
Dens	N	Nests (Raptors, songbirds, etc.)	N									
Wildlife Observed												
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			
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt			
Pln. Maint.	X Y / N	Stems/Ha					

#### Comments:

The majority of this stand was harvested in the spring of 2025 on private land. The stand is a densely populated BS stand with a relatively small diameter due to marginal soils and species silvics. The stand is at risk of blowing down due to the harvest on the neighboring property, root depths are quite poor due to high moisture content. Recommend harvest as there is an increased blowdown risk, leave seed trees where possible. Stand has options could consider natural regeneration, soils are relatively undisturbed (imagery), and thus nutrient-rich with a seed bank source. If planting is an option, consider planting BS, LA, WP, RS, WA, YB, CE Natural regeneration is an option here. Maintain and monitor moving forward.

### STAND TALLY SHEET

CRUISER	M.Buchanan	STAND #	90915	PLANTATION #				
PROPERTY #	PID 472910 & 446765		AREA	1.18 ha	Date	21 /	2 /	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	20	12.8	10m	30	4					
2	GB	20	13.9	11m	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 (%)	RM2	%	PO2	%	GB2	%	BF2	%
Even-aged	x	Uneven-aged						Biomass
Slope	0 %	Aspect	0					
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed	
	Windfall		Non Forest	x			Ploughed	
	Clear Cut		Unknown					
Stand Maturity Class:	Regeneration		Immature	x	Mature		Over-mature	
Stand Stocking:	Understocked	x	Fully Stocked		Overstocked		Patchy	
Density:	SW	200	HW	1,000				
Advanced Regeneration:	Understocked	x	Fully Stocked		Overstocked		Patchy	
Regeneration:	1. Spp.	BS	Height	0.5m	2. Spp.	BF	Height	1m
	3. Spp.	PO	Height	1m	4. Spp.		Height	

#### GROUND OBSERVATIONS

Ground Vegetation Species Present:	Sensitive fern. Snowcover		
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	N	Pond	N	Stream	N	Seeps	Y		Beaver Present	N	Y / N
Drainage:	Poor	x	Moderate		Good		Excellent				Erosion Control Required	N	Y / N
Snag Trees:	Adequate	x	Inadequate										
Coarse Woody Material:	Adequate	x	Inadequate										
Dens	N		Nests (Raptors, songbirds, etc.)	N									

Wildlife Observed

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:

This is a wetland low-density hardwood stand that spreads into private land. Considerable amount of blowdown present here. Regenerating species include BF, LA, PO, GB, and American Beech content on the outskirts of the wetland. Ensure that the wetland is buffered if any silviculture work takes place in surrounding stands, including private land. No treatment

### STAND TALLY SHEET

CRUISER	M. Buchanan	STAND #	90916 PLANTATION #		
PROPERTY #	PID 472910 & 446765	AREA	11.98 ha	Date	21 / 2 / 2025 D M Y

SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	RS	60	43.9	18m	90	4					
2	WP	70	41.7	18m	70	5					
3	RM	70	25.8	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 (%)	BS3	%	LA2	%	BF2	%	RM2	%	RS10		
Even-aged	x	Uneven-aged							Biomass		
Slope	0	%	Aspect	NA							
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown	x							
Stand Maturity Class:	Regeneration		Immature		Mature		x	Over-mature			
Stand Stocking:	Understocked		Fully Stocked		Overstocked		x	Patchy			
Density:	SW	1,400	HW	1,000							
Advanced Regeneration:	Understocked		x	Fully Stocked		x	Overstocked		Patchy		
Regeneration:	1. Spp.	BS	Height	3m	2. Spp.	BF	Height	1.5m			
	3. Spp.	BS	Height	2.5m	4. Spp.		Height				

GROUND OBSERVATIONS												
Ground Vegetation Species Present:	Lambkil, Bracken fern. 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	N		Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N	
Drainage:	Poor	x	Moderate		Good		Excellent				Erosion Control Required	N	Y / N	
Snag Trees:	Adequate		x	Inadequate										
Coarse Woody Material:	Adequate		x	Inadequate										
Dens	N		Nests (Raptors, songbirds, etc.)		N									
Wildlife Observed														
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:	This is a large stand consisting of the majority of PID 446765. This stand is developing into a multcohorts stand where there is a second-age class of stems established in the understory under partial shade, Spruce/fir mix. This is a large stand that should have been divided into different stands as there are sections thick in hardwoods and other sections mainly softwoods. The area to the north of the property has the highest density of softwood. Suggest using the front parcel of stand heavy in mature SW as access if necessary. No treatment at this time, but can be used for access through merchantable SW area, a machine width in size.										

### STAND TALLY SHEET

CRUISER	M.Buchanan	STAND #	90725 + 90422		PLANTATION #		
PROPERTY #	PID 472910 & 446765	AREA	6.48	ha	Date	21 / 2 / 2025	D M Y

#### SAMPLE TREE INFORMATION

Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	RS	70	45.6	18m	60	4					
2	RM	50	26.1	17m	30	5					
3	PO	60	31.1	17m	20	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 (%)	PO4	%	RM3	%	BF2	%	LA, RS, WS	10%
Even-aged x	Uneven-aged						Biomass	
Slope	0 %	Aspect	NA					
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed	
	Windfall		Non Forest				Ploughed	
	Clear Cut		Unknown x					
Stand Maturity Class:	Regeneration		Immature		Mature x		Over-mature	
Stand Stocking:	Understocked		Fully Stocked	x	Overstocked		Patchy	
Density:	SW 800		HW 1,400					
Advanced Regeneration:	Understocked	x	Fully Stocked		Overstocked		Patchy	
Regeneration:	1. Spp. Bf		Height 2m		2. Spp. BS		Height 1m	
	3. Spp. BF		Height 3m		4. Spp. Beech		Height 1m	

#### GROUND OBSERVATIONS

Ground Vegetation Species Present:	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

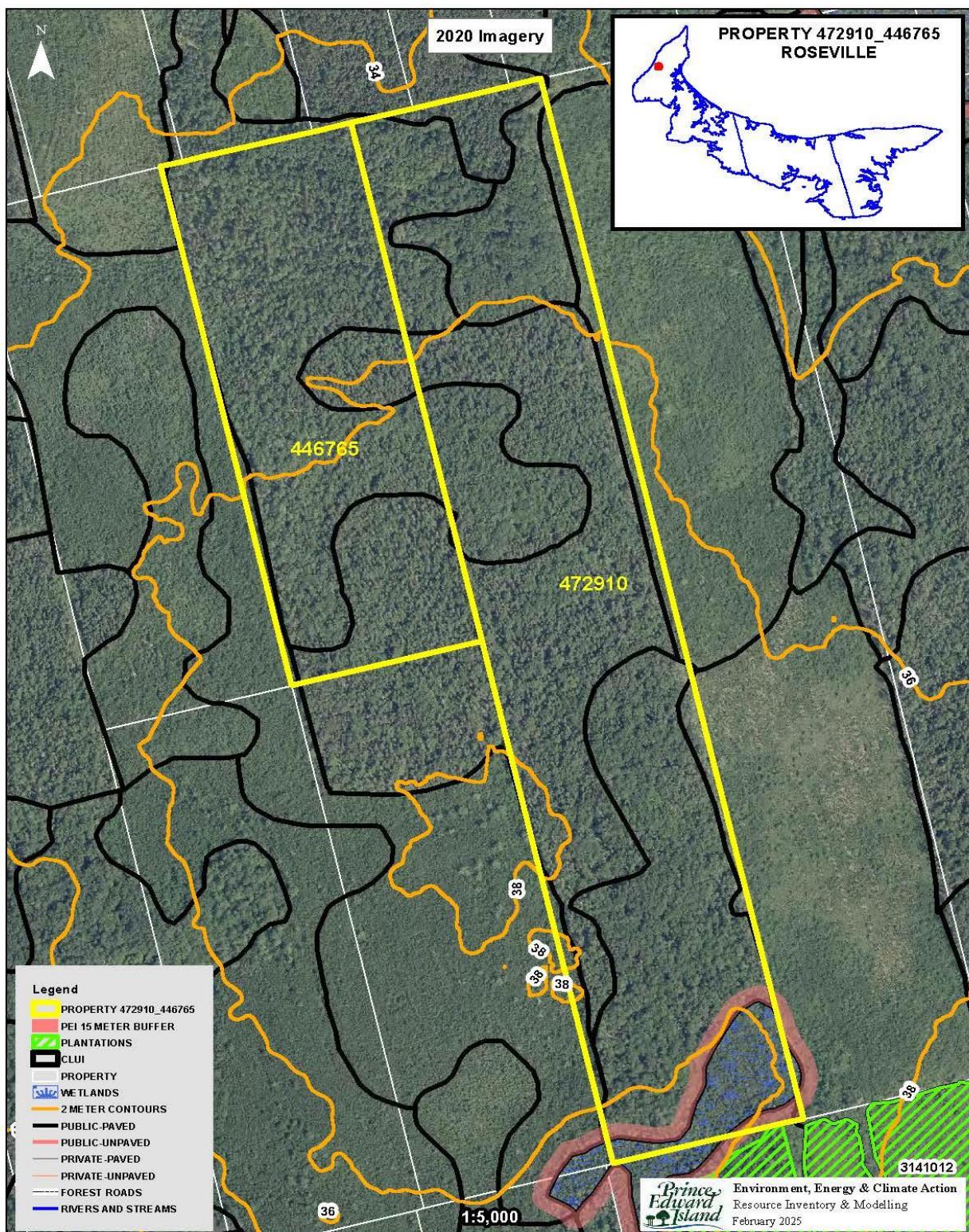
Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	Y / N
Drainage:	Poor	x	Moderate		Good		Excellent			Erosion Control Required	Y / N
Snag Trees:	Adequate	x	Inadequate								
Coarse Woody Material:	Adequate	x	Inadequate								
Dens	N	Nests (Raptors, songbirds, etc.)									
Wildlife Observed											
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	x	Stems/Ha				
Comments:	This is a hardwood-dominated stand with a presence of mature large-tooth poplar stems that are approaching overmaturity; moving forward, they will have potential for habitat for wildlife. American beech regeneration is slowly coming up in the understory; however, no mature stems were identified. This stand clearly has poor drainage as the forest dynamic changes to stems adapted to poorer growing conditions, and there is a high level of windfall due to the poor root establishment, due to the moisture content. No treatment at this time.						

STAND TALLY SHEET												
CRUISER				STAND #	90803 +90542		PLANTATION #					
PROPERTY #		PID 472910 & 446765		AREA	2.97	ha	Date	21 /	2 /	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	60	31.6	17m	50	4	PO	50	29.8	17m	20	
2	RM	50	26.8	16m	35	5						
3	BF	30	16.4	14m	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 (%)	RM3	%	PO3	%	BF2	%	BS10	%	LA10%			
Even-aged	x	Uneven-aged							Biomass			
Slope	0 %	Aspect	0									
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
									Ploughed			
	Windfall		Non Forest									
	Clear Cut		Unknown	x								
Stand Maturity Class:	Regeneration		Immature		Mature	x	Over-mature					
Stand Stocking:	Understocked		Fully Stocked		Overstocked	x	Patchy					
Density:	SW	1,000	HW	1,400								
Advanced Regeneration:	Understocked	x	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.	BF	Height	0.5m	2. Spp.	PO	Height	1m				
	3. Spp.	BF	Height	2m	4. Spp.	Rm	Height	1.5m				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	Snowcover											
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	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N
Drainage:	Poor	x	Moderate		Good		Excellent			Erosion Control Required	N	Y / N
Snag Trees:	Adequate	x	Inadequate									
Coarse Woody Material:	Adequate	x	Inadequate									
Dens	N	Nests (Raptors, songbirds, etc.) N										
Wildlife Observed												
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:												
<p>This is a hardwood-dominated mixedwood stand. No harvesting will take place here may need to be used for an access route to remove declining timber in stand 90302. Stand is neighbouring recent clearcut on private land and is being impacted by blowdown. Canopy opening where blowdown is taking place is exploding with BF growth in the understory. No treatment at this time</p>												

## Appendix G. Plantation Map with Contour Lines



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

According to the provincial forest system records, no forestry work, including silviculture work or road construction/maintenance, has occurred on PID 472910 & 446765.