

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



Woodlot Management Plan
Property Number: 12096 & 11957
Location: Palmer Road North

Date: September 8th, 2025

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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 #12096 & 11957 are located on the Palmer Road, Route #156, near the community of Leoville, P.E.I., (Appendix A). The total area of PID 12096 is 23.74 hectares (59.35 acres), and the total area of PID 11957 is 3.18 hectares (7.85 acres), cumulatively 56.53 hectares (67.2 acres). The midpoint of the property is Latitude N 46.946276 decimal degrees, Longitude W -64.116388 decimal degrees.

Past Information

Local records and previous aerial photography show that the property was used for agricultural purposes early in the 20th century. The abandoned fields have reverted to forests either naturally or through planting programs. 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 are two Skinners Pond tributaries located on this property. These tributaries flow in a southwesterly direction, which connects to a larger tributary system that flows northerly, entering the ocean near Skinners Pond. This observation can be viewed in Appendix A. A 15-metre buffer zone is to be maintained around the wetland.

Property Access

The section of property east of Highway 156 (Palmer Rd) is accessed through a right-of-way along the northern property line. Access to the property west of Highway 156 has been from the Highway or through the adjacent farmer's field to the north. A road (Class 1) and bridge would be required to access this property from Highway 156. Ongoing road maintenance will be required to keep the road in a usable 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. In lieu of a road, access would have to be through private land if the property owner is willing to consider providing access. The existing access to the property can be seen on Appendix A.

Property Boundaries

The portion east of Highway 156 is bounded on the north, east and south by private land, and west by Highway 156. That portion of the property that lies west of Highway 156 is bounded by Highway 156 along the east boundary and private land on all other sides.

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 Forestry Division and our local community fire brigades. In the Western District, there are four-wheel drive forestry fire trucks housed at the Wellington and West Point Fire Departments. These heavy duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire trucks, off-road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available if needed. A stream that flows through the middle of the property may be a suitable site to setup a portable fire pump system under proper water flow conditions

Planting and Silviculture

There are 11 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. Table 1 provides a summary of the prescribed treatments on this property. 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.gov.pe.ca/go/eco-manual. Any additional information may be obtained by contacting a Provincial Forest representative at the District Forestry Office in Wellington.

Table 1. Proposed Treatment Summary

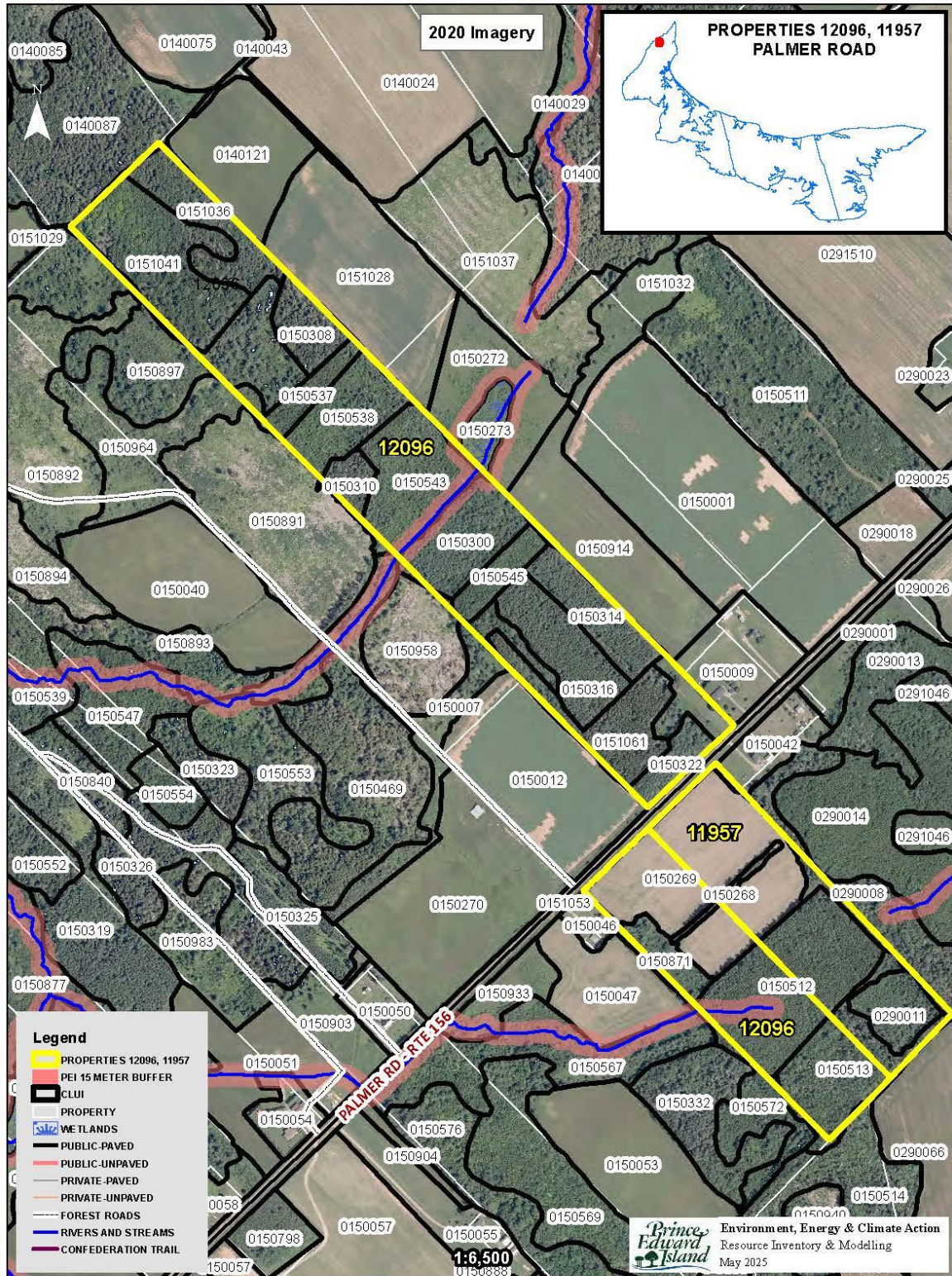
Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco-Manual Reference	Comments	Goals
Road construction	Class 1	2025	950m	Pg 9	Limited access at this time to the northern portion of the property. A road would increase the possibilities of forest management	Provide access to the NW portion of the property
Road	Road maintenance	all	950m	Pg 12	Grade, shale, ditch, brush road as required	Maintain road access
Water Course Crossing	Culvert installation	2025	1	Pg 12	A roadside culvert is needed for access to property	Enable future access for forest management
	Bridge installation	2025	1	Pg 12	Low swale with meandering waterflow coordinates -64.11, 46.94	Provide road access over watercourse
ST 151036	Block Harvest	2030	1.5 Ha	Pg 30	Remove mature Softwoods/Hardwood and retain seed trees where possible. Stand is showing signs of decline, low % LCR, Harvest while merchantable.	Salvage mature Softwood/Hardwood and declining timber.
	Manual Site Preparation	2030	1.5 Ha	14 pg	Prepare microsites for planting	Create plantable sites to increase plantation success
	Full Plant	2030	1.5 Ha	16 pg	Plant species that are ecologically suited for the site. Such as WS, LA, BS, WP, YB, RM, WA, SM	Reforest the stand to supplement natural regeneration
	Manual Maintenance	2033	1.5 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 150310	Block Harvest	2025	0.39 Ha	Pg 30	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.
	Manual Site Preparation	2030	0.39 Ha	14 pg	Prepare microsites for planting	Create plantable sites to increase plantation success
	Full Plant	2025	0.39 Ha	16 pg	Plant species that are ecologically suited for the site. Such as WS, LA, BS, WP, YB, RM, WA,CE	Reforest the stand to supplement natural regeneration
	Manual Maintenance	2028	0.39 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 151061, ST 150007, ST 150322, PN 3670006, PN 3881631	Block Harvest	2025	2.35 Ha	Pg 30	Harvest consists of 2 plantations, including a mature RS stand and an immature LA stand. Both Stands are showing signs of decline low % LCR and windfall. Salvage while merchantable.	Salvage mature Softwood and declining timber.
	Manual Site Preparation	2025	2.35 Ha	14 pg	Prepare microsites for planting	Create plantable sites to increase plantation success
	Full Plant	2025	2.35 Ha	16 pg	Plant species that are ecologically suited for the site. Such as RS, WS, LA, BS, WP.	Reforest the stand to supplement natural regeneration
	Manual Maintenance	2028	2.35 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

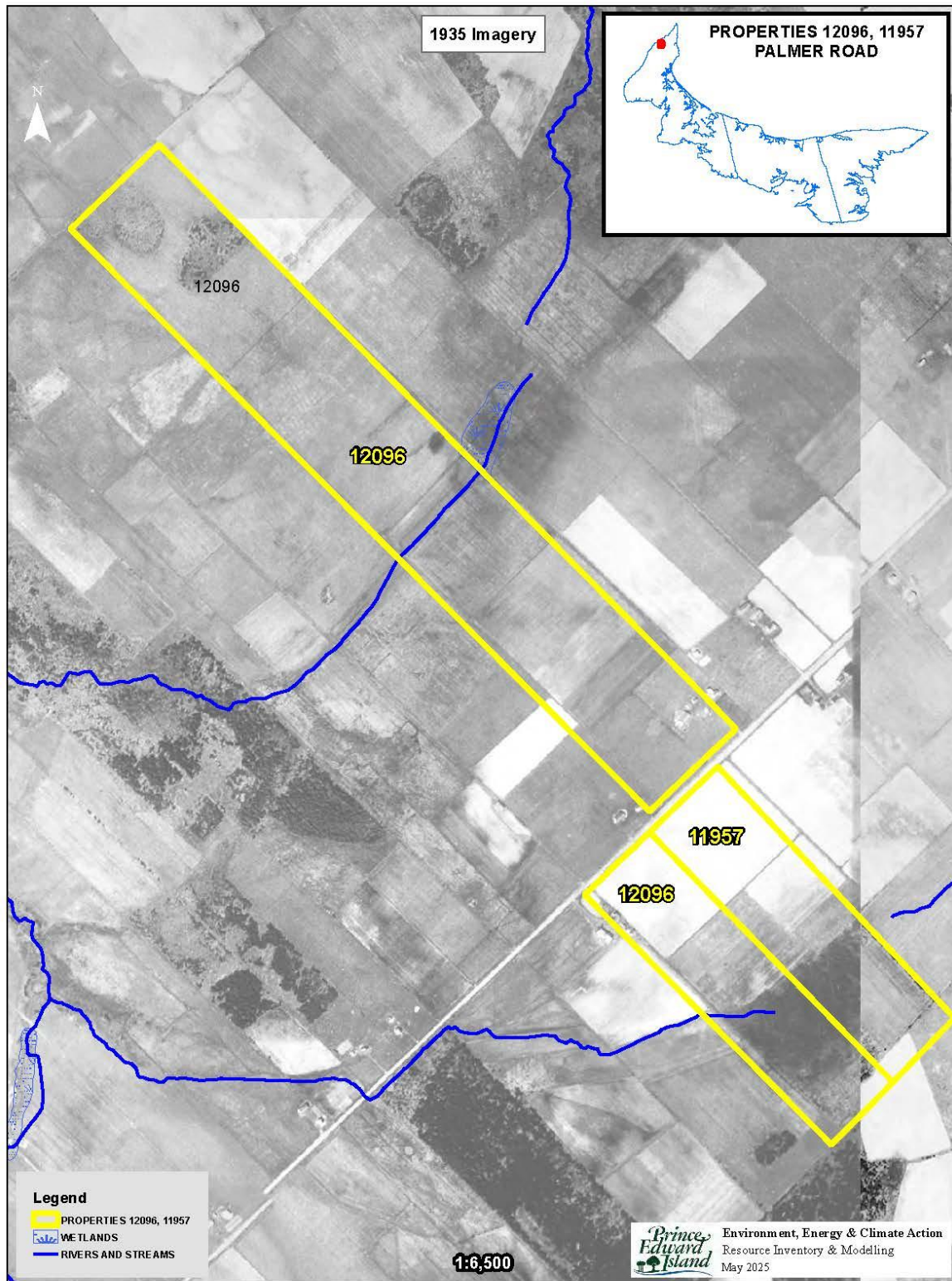
<i>ST 150316 & ST 150314, PN 3911541 & PN 3925171</i>	Commercial Plantation Thinning	2025	2.8 Ha	Pg 26	30-40% basal area removal. Crop trees include planted stems and favorable naturally regenerating stems. This is a densely populated WS plantation that should be merchantable thinned to produce a better end product.	Increase the growth and succession of crop trees while maintaining diversity
<i>ST 150545</i>	Crop Tree Release	2025	0.61 Ha	Pg 23	20 % basal area removal of declining planted and naturally regenerating stems, which will in turn improve the growth and yield of selected crop trees that are above 12cm DBH	Increase the growth and yield of the plantation while maintaining diversity

Appendices

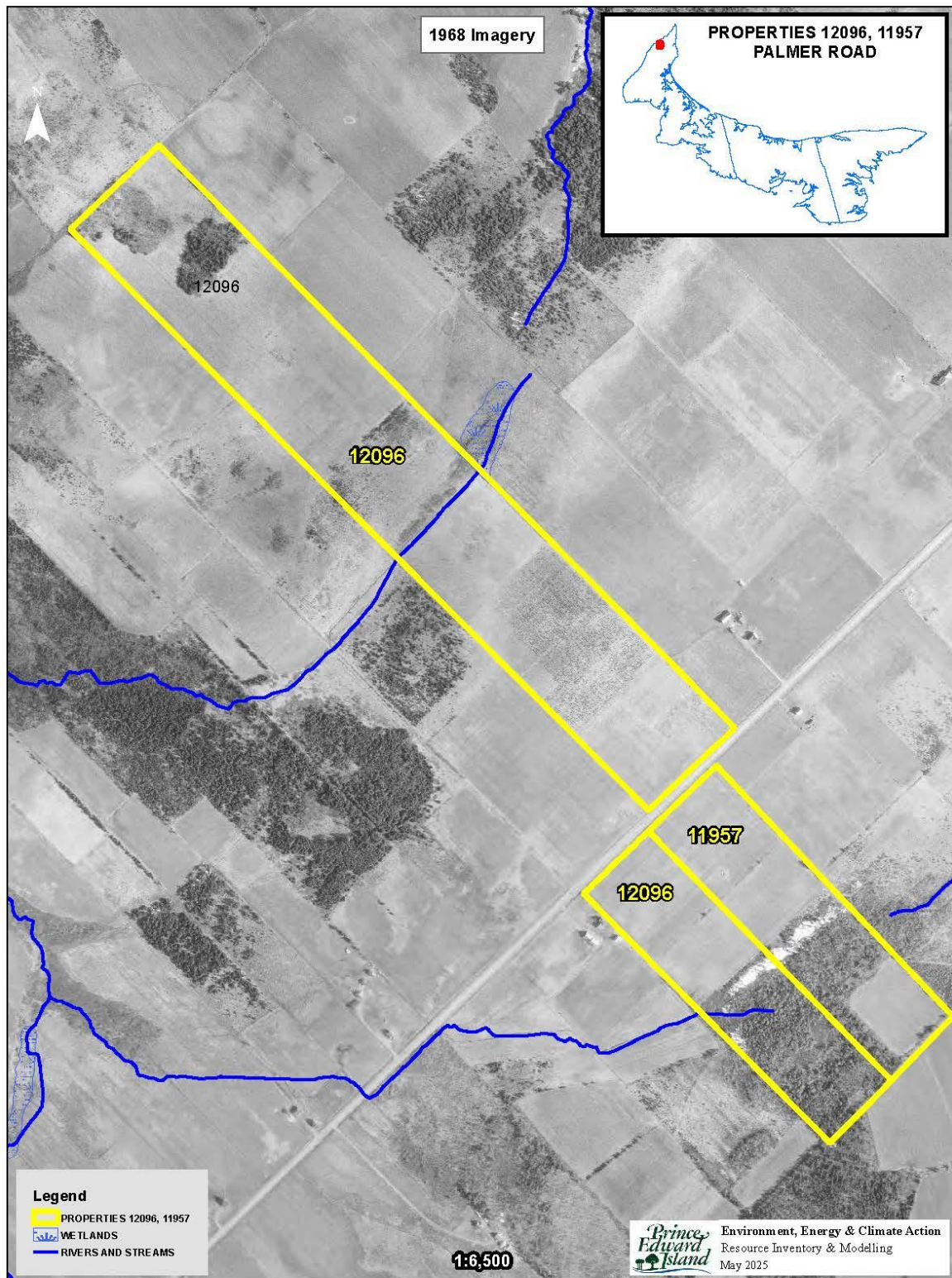
Appendix A. Map of Property with Locator Map



Appendix B. 1935 Aerial Photography



Appendix C. 1968 Aerial Photography



Appendix D. 2020 Corporate Land Use Inventory

PID	FIELDDID	LANDUSE	SUBUSE	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HECTARES	WOODSTOCK	LDR_HGT	Fuel_Code
12096	0140087	FOR		WS	6	PO	2	BF	1	LA	1		0	0.01	SPBF	17.93	C2
12096	0140121	AGR	CR	HAY	10		0		0		0		0	0.00		0.00	
12096	0150007	FOR		WB	3	PO	2	RM	2	BF	2	WS	1	0.35	IHMX	9.90	M2-50
12096	0150009	RES	SG	GRS	7	TRE	1	PAV	1	BLD	1		0	0.55		0.00	O1
12096	0150012	AGR	CR	POT	10		0		0		0		0	0.00		0.00	
12096	0150046	RES	SG	GRS	6	BLD	2	TRE	1	PAV	1		0	0.01		0.00	O1
12096	0150268	AGR	HR	TRE	10		0		0		0		0	0.07		0.00	M2-50
12096	0150269	AGR	CR	HAY	10		0		0		0		0	1.98		0.00	
12096	0150272	NON	ABN	GRS	7	SHR	3		0		0		0	0.02		0.00	O1
12096	0150273	WET			0		0		0		0		0	0.03		0.00	O1
12096	0150300	FOR	PN	LA	6	RM	1	WB	1	PO	1	BF	1	1.51	SWMX	14.09	C6
12096	0150308	FOR		WS	7	LA	2	PO	1		0		0	0.78	WSPR	14.85	C2
12096	0150310	FOR		WS	5	LA	2	BF	1	WB	1	RS	1	0.39	SPLA	16.45	C2
12096	0150314	FOR	PN	WS	8	WP	2		0		0		0	1.17	WSPR	12.76	C6
12096	0150316	FOR	PN	WS	8	WB	2		0		0		0	1.60	WSPR	12.93	C6
12096	0150322	FOR	PN	LA	10		0		0		0		0	0.55	LAPR	15.31	C6
12096	0150512	FOR	PN	LA	5	PO	2	WB	2	BF	1		0	1.75	LAIH	13.23	C6
12096	0150513	FOR		PO	3	WB	3	WS	2	RM	1	LA	1	1.37	IHMX	16.79	M2-50
12096	0150514	FOR		RM	3	WB	3	BF	2	WS	2		0	0.01	IHSW	14.71	M2-50
12096	0150537	FOR	PN	WB	6	PO	2	RM	2		0		0	0.50	IHMX	14.69	D2
12096	0150538	FOR	PN	RM	4	WB	3	WS	2	WA	1		0	1.39	IHMX	15.23	D2
12096	0150543	FOR		RM	3	WB	3	PO	2	WS	1	BF	1	1.93	IHMX	14.93	D2
12096	0150545	FOR	PN	WA	6	RM	2	WB	2		0		0	0.61	IHMX	14.76	D2
12096	0150572	FOR		WB	3	PO	2	RM	2	PC	2	BF	1	0.01	IHMX	11.85	D2
12096	0150871	FOR		WB	3	PO	2	RM	2	AL	2	WS	1	0.53	IHMX	9.86	D2
12096	0150897	FOR		AL	6	LA	1	WS	1	PO	1	RM	1	1.29	IHMX	11.54	D2
12096	0150914	AGR	CR	HAY	10		0		0		0		0	0.04		0.00	
12096	0150958	FOR	CC	CC	10		0		0		0		0	0.02	CC	10.44	S2
12096	0150964	FOR	CC	CC	10		0		0		0		0	0.09	CC	6.57	S2
12096	0151028	AGR	CR	GRN	10		0		0		0		0	0.01		0.00	
12096	0151036	FOR		WS	4	PO	2	WB	2	RS	2		0	1.34	SWIH	15.68	C2
12096	0151041	FOR		PO	4	RM	3	WB	2	WS	1		0	2.61	IHMX	15.83	D2
12096	0151053	TRN	RD	PAV	10		0		0		0		0	0.00		0.00	
12096	0151061	FOR	PN	RS	10		0		0		0		0	1.48	RS	15.81	C6
11957	0151053	TRN	RD	PAV	10		0		0		0		0	0.01		0.00	
11957	0150042	RES	SG	GRS	8	PAV	1	BLD	1		0		0	0.04		0.00	O1
11957	0150268	AGR	HR	TRE	10		0		0		0		0	0.10		0.00	M2-50
11957	0150269	AGR	CR	HAY	10		0		0		0		0	2.49		0.00	
11957	0290008	FOR		WS	4	BF	2	LA	2	RM	1	WB	1	0.29	SWMX	14.73	C2
11957	0290011	FOR	PN	LA	5	RM	2	PO	2	BF	1		0	0.82	LAIH	12.10	C6
11957	0150512	FOR	PN	LA	5	PO	2	WB	2	BF	1		0	1.54	LAIH	13.23	C6
11957	0150513	FOR		PO	3	WB	3	WS	2	RM	1	LA	1	0.58	IHMX	16.79	M2-50
11957	0290066	AGR	CR	HAY	10		0		0		0		0	0.00		0.00	

Appendix E. Forest Inventory Codes

EXPLANATION OF FORESTRY CODES:

SPECIES

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

PERCENT

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

CROWN CLOSURE

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

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

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

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

FOREST GROUND CONDITIONS

SW	Wet-Swampy
ST	Steep
SY	Sandy

Appendix F. Stand Tally Sheets from on the Ground Assessment

STAND TALLY SHEET											
CRUISER		M. Buchanan		STAND #		150538		PLANTATION #		3620024	
PROPERTY #		12096		AREA		1.39 ha		Date		20 / 3 / 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	60	26.5	16m	30	4					
2	LA	60	32.2	17m	20	5					
3	WA	60	14.6	14m	30	6					
STAND INFORMATION											
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW	
Species and (%)		RM2		% WS2		% WA2		% WB10		% LA10%, GB10%, PO10%	
Even-aged		Uneven-aged		x						Biomass	
Slope		0 %		Aspect		NA					
Stand Origin:		Old Field		x		Partial Cut		Burn		Unploughed	
		Windfall				Non Forest				Ploughed	
		Clear Cut				Unknown					
Stand Maturity Class:		Regeneration				Immature				Mature x	
Stand Stocking:		Understocked				Fully Stocked				Overstocked x	
Density:		SW		800		HW		1,600			
Advanced Regeneration:		Understocked		x		Fully Stocked				Overstocked	
Regeneration:		1. Spp. BF		Height		1m		2. Spp. WA		Height	
		3. Spp. BF		Height		.5m		4. Spp. WA		Height	
										2m	
GROUND OBSERVATIONS											
Ground Vegetation Species Present:				Aster, Beaked hazel, Alder, Wild raisen, Rapsberry, Bunchberry							
Ground Hemlock				Y / N		x					
Invasive Species Present				Y / N		x		If yes then what species:			
Site Indicators				Y / N		x		If yes then what species:			
ENVIRONMENTAL OBSERVATIONS											
Water Course		N,		Bog		N		Pond		N	
Drainage:		Poor		x		Moderate		Good		Excellent	
Snag Trees:		Adequate		x		Inadequate					
Coarse Woody Material:		Adequate		x		Inadequate					
Dens		N		Nests (Raptors, songbirds, etc.)		N					
Wildlife Observed		Snow shoe hare									
Comments											
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:		WA plantation in 1962(63yrs), Low-density WA still present, with the southern portion of the stand having the highest % WA with an alder hardwood mix. The north portion is a HW/SW mix. Larch is performing well here, displaying the largest diameters. Poor drainage with what looks to be a seep for drainage from the surrounding stand/fields. WA is regenerating in the understory with the potential to establish in areas of blowdown and canopy openings. The site is not merchantable at this time and is showing future growth potential; no treatment at this time.									

STAND TALLY SHEET											
CRUISER	M. Buchanan			STAND #	151041			PLANTATION #			
PROPERTY #	12096			AREA	2.61 ha			Date	20 /	3 /	2025
									D	M	Y
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	LA	60	42.6	18m	30	4	WA	60	31.6	16m	40
2	WB	40	19.6	16m	30	5					
3	SM	30	14.2	14m	30	6					
STAND INFORMATION											
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)	RM2	%	PO2	%	WS2	%	WB10	%	BF10%, IW10%, BS10%		
Even-aged x	Uneven-aged								Biomass		
Slope	5 %	Aspect	W								
Stand Origin:	Old Field	x	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration			Immature		Mature	x	Over-mature			
Stand Stocking:	Understocked			Fully Stocked		Overstocked	x	Patchy			
Density:	SW	1,200	HW	1,200							
Advanced Regeneration:	Understocked			Fully Stocked	x	Overstocked		Patchy			
Regeneration:	1. Spp.	SM	Height	3m	2. Spp.	IW	Height	2m			
	3. Spp.	WA	Height	3m	4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	Beaked hazel, Sensitive fern, Wood fern, Raspberry, Bracken fern, Violet, Bunchberry. Snow cover										
Ground Hemlock	x	Y / N									
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	Snow shoe 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:	This stand could have been divided into two separate stands. The eastern portion is mainly a softwood-dominated spruce/fir birch mix. While the Western portion of the stand is mainly hardwoods, RM, WA, SM, and Ironwood. Regeneration is heavy in both stand types BF,WA,PO,BS. Drainage is moderate to the east and poor to the west. Seed collection for Ironwood could be an option here however, it is difficult to get to with no direct road access. Stand is diverse in species and should be preserved for these unique features. Area with dense hardwood SM, IW, RM has been undisturbed since 1935 however, the remaining stand was used for agriculture. No treatment for its diversity.										

STAND TALLY SHEET												
CRUISER		M. Buchanan		STAND #		150545		PLANTATION #				
PROPERTY #		12096		AREA		0.61 ha		Date		20 /	3 /	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	40	9.1	10m	30	4						
2	WA	60	18.2	12m	30	5						
3	BS	60	16.6	12m	60	6						
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)		WA4	%	BS2	%	RM2	%	WS2				
Even-aged x		Uneven-aged								Biomass		
Slope		0 %	Aspect		NA							
Stand Origin:		Old Field	x	Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature		Mature x		Over-mature				
Stand Stocking:		Understocked		Fully Stocked		Overstocked x		Patchy				
Density:		SW	800	HW		2,000						
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp. WA		Height 0.8m		2. Spp. WA		Height 1m				
		3. Spp. RM		Height 1m		4. Spp. WA		Height 2m				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		Sensitive Fern, Wild rose, Aster 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	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		Snowshoe Hare, Coyote										
Comments												
STAND PRESCRIPTION												
No Treatment		Regeneration Cut		Crop Tree Release		x	Block Cut					
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut						
Commercial Thinning		Afforestation		Site Preparation								
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt								
Pln. Maint.		Y / N	Stems/Ha									
Comments:		<p>This is a White Ash plantation from 1962 (63yrs). Plantation is still growing and regenerating immature WA stems; however, the site is relatively poor. Expect that the stand remains fully saturated soils for most of the year. These assumptions are based on the minimal diameter growth for being a mature stand. High stem Density also impacts growth, providing minimal growing space for each stem, thus impacting diameter growth. A crop tree release is recommended to kick-start the diameter growth of stems of the best quality. Only remove stems competing with identified crop trees. This will provide a small wood product while also improving the growth and longevity of the stand by growing larger healthier trees.</p>										

STAND TALLY SHEET											
CRUISER	M. Buchanan			STAND #	150308			PLANTATION #	3620001		
PROPERTY #	12096			AREA	0.8 ha			Date	21 / 3 / 2025		
								D	M	Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	GB	40	18.8	12m	50	4	WS	60	33.2	15m	30
2	RM	50	24.8	14m	40	5	CE	60	29.3	14m	20
3	WS	60	26.9	14m	40	6	LA	60	48.6	18m	60
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	WS5	%	CE3	%	WB10	%	LA10	%			
Even-aged x	Uneven-aged									Biomass	
Slope	0 %	Aspect	NA								
Stand Origin:	Old Field	x	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration				Immature		Mature	x	Over-mature		
Stand Stocking:	Understocked				Fully Stocked		Overstocked	x	Patchy		
Density:	SW	1,800	HW	600							
Advanced Regeneration:	Understocked			x	Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp.	CE	Height	1m	2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	Snowcover										
Ground Hemlock	x	Y / N									
Invasive Species Present		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	Snowshoe hare, Coyote										
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:	Cedar plantation 1962(63 yrs). WS outcompeted the Cedar in most of the stand; however, 30% of the stand is standing CE. Areas heavy in CE are very high in density, and the majority are stunted or of poor tree form. The mature old field WS in the stand is beginning to decline, evidence of a possible ice storm is apparent as many of the mature trees are showing damage or breakoff at approximately the same stem height in both CE & WS. Cedar is the most dominant regenerating species, potentially due to layering. This dense Cedar patch provides cover and habitat for wildlife. The stand is also coastal. No treatment at this time due to its wildlife and diversity values and it has little merchantable value due to the block size.										

STAND TALLY SHEET											
CRUISER	M. Buchanan		STAND #		290011		PLANTATION #		3070011		
PROPERTY #	12096		AREA		0.82 ha		Date	9 /	6 /	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	18.2	12	40	4					
2	LA	18	14.5	12	40	5					
3	LA	18	16.1	12	40	6					
STAND INFORMATION											
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)	LA5	%	RM3	%	PO2	%					
Even-aged x	Uneven-aged						Biomass				
Slope	0 %	Aspect		NA							
Stand Origin:	Old Field	x	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration		Immature		x	Mature		Over-mature			
Stand Stocking:	Understocked		Fully Stocked		x	Overstocked		Patchy			
Density:	SW	1,200	HW		1,800						
Advanced Regeneration:	Understocked		Fully Stocked		x	Overstocked		Patchy			
Regeneration:	1. Spp. RM		Height		1m	2. Spp. PO		Height		1m	
	3. Spp.		Height			4. Spp.		Height			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:		Strawberry, Ostrich Fern, Beaked Hazel, Starflower									
Ground Hemlock		Y / N	x								
Invasive Species Present		Y / N	x	If yes then what species:							
Site Indicators		Y / N	x	If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course	N,	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N Y / N
Drainage:	Poor	Moderate	x	Good		Excellent		Erosion Control Required	x	Y / N	
Snag Trees:	Adequate	Inadequate	x								
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	x	Stems/Ha								
Comments:		18-year-old LA plantation with the supplement of natural regeneration (RM,PO). Stand is dense, however, do not recommend PN maintenance as it is non-merchantable & plantation is being outcompeted in areas. Rm is heavy, adding diversity and longevity to the stand. no treatment at this time.									

STAND TALLY SHEET													
CRUISER		M. Buchanan		STAND #		150537		PLANTATION #		3620019			
PROPERTY #		12096		AREA		0.5 ha		Date		21 / 3 / 2025			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WB	60	15.6	14m	30	4							
2	YB	60	19.2	14m	30	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		WB5		% PO2		% YB2		% GB10		% RM & WA		10%	
Even-aged x		Uneven-aged										Biomass	
Slope		0 %		Aspect		NA							
Stand Origin:		Old Field x		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		Mature x		Over-mature					
Stand Stocking:		Understocked		Fully Stocked x		Overstocked		Patchy					
Density:		SW		100		HW		1,700					
Advanced Regeneration:		Understocked		Fully Stocked x		Overstocked		Patchy					
Regeneration:		1. Spp. WA		Height 3m		2. Spp. PO		Height 1m					
		3. Spp. BS		Height 1m		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				Beaked hazel, Alder									
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	
Drainage:		Poor		Moderate		x		Good				Excellent	
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			
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:													
<p>This is a 1962 WB plantation (63 yrs). Plantation is successful as WB is the dominant species within the stand. Tree form is poor. Stand also has some yellow birch and grey birch mixed in throughout the stand. A second immature cohort is establishing in the understory, including BF, BS, PO, and WA. No treatment stand still has growing potential.</p>													

STAND TALLY SHEET												
CRUISER		M. Buchanan		STAND #		151036		PLANTATION #				
PROPERTY #		12096		AREA		1.34 ha		Date		21 / 3 / 2025		
								D		M Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	PO	70	37	17m	30	4	WB	40	14.6	15m	20	
2	WS	50	18.7	15m	20	5						
3	BS	50	23.5	15m	30	6						
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)		WS3	%	BS2	%	WB2	%	PO2	%	LA10%		
Even-aged		Uneven-aged		x		Biomass						
Slope		0 %		Aspect								
Stand Origin:		Old Field		x		Partial Cut		Burn		Unploughed		
		Windfall				Non Forest				Ploughed		
		Clear Cut				Unknown						
Stand Maturity Class:		Regeneration				Immature		Mature		x Over-mature		
Stand Stocking:		Understocked				Fully Stocked		Overstocked		x Patchy		
Density:		SW	2,000		HW	1,100						
Advanced Regeneration:		Understocked		x		Fully Stocked		Overstocked		Patchy		
Regeneration:		1. Spp. PO		Height		1m		2. Spp.		Height		
		3. Spp.		Height				4. Spp.		Height		
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		Wood fern, Hair cap moss, Wild raisen, bunchberry										
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			
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		x		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 small mixed wood stand next to an agricultural field. 90% of the stand is of old field origin based on 1968 imagery however, the central portion of the stand was forested as far back as 1935 (imagery). Based on previous imagery, a low % of stems could be pushing 90 years, This maturity change is apparent in the stand as some stems are visibly older. Dominant species include WS, BS, WB, LA, PO. Stand is showing very little ground vegetation due to the high stem density. Poplar is of the largest stems within the stand as they were presumably the first to establish the old field site.</p> <p>Recommend to harvest mature wood and capture small area of merchantable mature stems in neighbouring stand (151041). Plant WS,SM,YB,WB,WP and monitor and maintain.</p>										

STAND TALLY SHEET												
CRUISER		M. Buchanan		STAND #		150300		PLANTATION #		3881632		
PROPERTY #		12096		AREA		1.51 ha		Date		21 / 3 / 2025		
								D		M Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WP	37	27.1	14m	50	4	WA	25	8.8	12m	50	
2	LA	37	33.6	16m	40	5	LA	37	36.1	17m	50	
3	WB	37	18.1	14m	20	6						
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)		LA4	%	WP2	%	BS2	%	WA10	%	WB10%		
Even-aged x		Uneven-aged		Biomass								
Slope		0	%	Aspect		NA						
Stand Origin:		Old Field	x	Partial Cut				Burn				
		Windfall		Non Forest				Unploughed				
		Clear Cut		Unknown				Ploughed				
Stand Maturity Class:		Regeneration				Immature		x		Mature		Over-mature
Stand Stocking:		Understocked				Fully Stocked				Overstocked		x Patchy
Density:		SW	2,000	HW		1,000						
Advanced Regeneration:		Understocked		x		Fully Stocked				Overstocked		Patchy
Regeneration:		1. Spp. WA		Height 1m		2. Spp. RM		Height 2m				
		3. Spp. WA		Height 1m		4. Spp. BS		Height 3m				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		Snowcover, Serviceberry, sensitive fern, aster										
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	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		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>37-year-old BS plantation. The majority of BS has been outcompeted, leaving a more diverse mix of early successional species. however BS/WS mix is establishing in the understory. Heavy Ash content next to the stream buffer to (west of stand). Stand has WP content not noted in plantation potentially seeded in from neighbouring property or a mistake in planting numbers. Stand is still showing signs of growth potential. No treatment at this time.</p>										

STAND TALLY SHEET												
CRUISER		M. Buchanan		STAND #		150543		PLANTATION #				
PROPERTY #		12096		AREA		1.93 ha		Date		21 / 3 / 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	55	25.4	15m	50	4	BF	25	11.1	10m	80	
2	LA	55	19.8	13m	40	5	WA	25	10.2	12m	30	
3						6						
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)		RM2	%	WA2	%	WS2	%	PO1	%	WB10%, BF10%, GB10%		
Even-aged x		Uneven-aged								Biomass		
Slope		5 %	Aspect		E							
Stand Origin:		Old Field	x	Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature		Mature		x	Over-mature			
Stand Stocking:		Understocked		Fully Stocked		Overstocked		x	Patchy			
Density:		SW	400	HW	1,800							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		Patchy		x		
Regeneration:		1. Spp. BS		Height 1m		2. Spp. BS		Height 1m				
		3. Spp. WS		Height 0.5m		4. Spp. BF		Height 1m				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		Beaked hazel, golden rod, aster. 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	Y	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		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	x	Stems/Ha								
Comments:		Hardwood dominant stand on marginal soils of poor drainage. Regen is sufficient, including WS, BS, BF, WA, RM, and PO. Looking at imagery, Stand is approximately 55 years of age, with stems along the stream (Buffer Zone) being slightly older (mainly WA). Although the stand age is relatively mature at 55 yrs, the site is not showing quality growing potential as the majority stems are non-merchantable, short, and of small diameters. There are several areas of Old Field WS that make up the upper cohort, however, total density is quite low. No treatment expect stand will continue to grow slowly over time, bringing a level of diversity to the property for wildlife values.										

STAND TALLY SHEET												
CRUISER		M. Buchanan		STAND #		150310		PLANTATION #				
PROPERTY #		12096		AREA		0.39 ha		Date		21 /	3 /	2025
										D	M	Y
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	LA	60	37.8	16m	40	4						
2	WS	60	26.1	16m	30	5						
3	WA	60	14.4	16m	20	6						
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)		WS5	%	LA2	%	BF10	%	WA10	%	WB10		
Even-aged x		Uneven-aged								Biomass		
Slope		5% %	Aspect		E							
Stand Origin:		Old Field	x	Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature		Mature		x	Over-mature			
Stand Stocking:		Understocked		Fully Stocked		Overstocked		x	Patchy			
Density:		SW	2,600	HW	200							
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		Patchy		x		
Regeneration:		1. Spp. BF		Height		0.5m		2. Spp. WA		Height		1m
		3. Spp. WA		Height		2m		4. Spp.		Height		
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		Wild rose, alder, Aster, Goldenrod, bunchberry. 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	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		Snowshoe hare										
Comments												
STAND PRESCRIPTION												
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut		x				
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut						
Commercial Thinning		Afforestation		Site Preparation		x						
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt								
Pln. Maint.		x	Y / N	Stems/Ha								
Comments:		<p>Old Field WS stand that is showing signs of decline, approximately 30% blowdown. Stand is next to recent clear-cut on private land. Blowdown has little value, but standing stems are showing value. The average diameter of standing WS is approximately >=20cm. Recommend block harvest for salvage. recommend planting (WS,BS,WP,WA,YB); however, natural regeneration is showing potential here. Include maintenance and monitor moving forward.</p>										

STAND TALLY SHEET												
CRUISER		M. Buchanan		STAND # 150316, 150314		PLANTATION # 3911541, 3925171						
PROPERTY #		12096		AREA 2.8 ha		Date		21 / 3 / 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	34	23.5	15m	30	4	WB	34	10	12m	25	
2	WS	34	26.1	15m	30	5	LA	34	28.2	16m	50	
3	WS	34	18	15m	20	6						
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha			
Species and (%)		WS8	%	WB2	%							
Even-aged x		Uneven-aged		Biomass								
Slope		0 %		Aspect		NA						
Stand Origin:		Old Field x		Partial Cut		Burn		Unploughed				
		Windfall		Non Forest				Ploughed				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature x		Mature		Over-mature				
Stand Stocking:		Understocked		Fully Stocked x		Overstocked		Patchy				
Density:		SW	1,800	HW	100							
Advanced Regeneration:		Understocked x		Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp. WS		Height 2m		2. Spp. WS		Height 3m				
		3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		wild raisin. 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	Moderate	Good	x	Excellent	Erosion Control Required		N	Y / N		
Snag Trees:		Adequate	Inadequate	x								
Coarse Woody Material:		Adequate	Inadequate	x								
Dens		N	Nests (Raptors, songbirds, etc.)	N								
Wildlife Observed		Snowshoe hare										
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 x		Stems/Ha								
Comments:		<p>33 & 34-year-old WS plantations. Very little vegetation is present due to high density, limiting sunlight to forest floor. Planting was a success as most planted stems are still growing proficantly, showing potential. Diameter growth can be improved with a CT, allowing crop trees to be released with a density removal. Throughout the plantation, there is a marginal drainage change at the central portion of the stand where the plantation was outcompeted by intolerant hardwoods (low denisty). A commercial thinning should take place here over the next ten years to grow quality logs in the future.</p> <p>Monitor for spruce bark beetle and or other pest damage seen in the past on this property.</p>										

STAND TALLY SHEET											
CRUISER		M. Buchanan		STAND # 151061 & 150007		PLANTATION #		3670006			
PROPERTY #		12096		AREA		1.8 ha		Date	21 /	3 /	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	58	25	16m	40	4	RS	58	33	17m	40
2	RS	58	28.6	16m	50	5	SP	90	58.1	16m	40
3	RS	58	16.8	14m	20	6					
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	RS8	%	SP10	%	PO10	%					
Even-aged x	Uneven-aged									Biomass	
Slope	0	%	Aspect	NA							
Stand Origin:	Old Field	x	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration			Immature		Mature	x	Over-mature			
Stand Stocking:	Understocked			Fully Stocked	x	Overstocked		Patchy			
Density:	SW	1,600	HW	50							
Advanced Regeneration:	Understocked		x	Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.	PO	Height	1m	2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:			Aster, Beaked hazel, Raspberry. 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	Moderate		Good	x	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	x					
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt						
Pln. Maint.	x	Y / N	Stems/Ha								
Comments:	58-year-old RS plantation that is showing signs of decline with heavy wind damage throughout, approximately 30%. Recommend to salvage stems while merchantable leaving numerous seed trees of good tree form and LCR. PSPs are present in stand. Showing some signs of pest damage, expect Spruce bark beetle. Some Scots pine present along the property boundary in a sliver to the south. Maintain and monitor plantation and plant majority RS if available other species could include BS,WS,WP,WB,RM										

STAND TALLY SHEET													
CRUISER		M. Buchanan		STAND #		150322		PLANTATION #		3881631			
PROPERTY #		12096		AREA		0.55 ha		Date		24 / 3 / 2025			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	LA	37	19.5	16m	30	4							
2	LA	37	14.8	15m	30	5							
3	LA	37	12.7	15m	40	6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		LA9		% RS10		%		%					
Even-aged x		Uneven-aged								Biomass			
Slope		0 %		Aspect		NA							
Stand Origin:		Old Field x		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature x		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked x		Overstocked		Patchy					
Density:		SW 1,600		HW									
Advanced Regeneration:		Understocked x		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. LA		Height 1m		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				Aster, Red elderberry, Beaked hazel. 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	
Drainage:		Poor		Moderate		Good		x		Excellent		Erosion Control Required	
Snag Trees:		Adequate x		Inadequate								Beaver Present	
Coarse Woody Material:		Adequate x		Inadequate								N Y / N	
Dens		N		Nests (Raptors, songbirds, etc.)		N						Y / 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				x	
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt					
Pln. Maint.		x Y / N		Stems/Ha									
Comments:				37-year-old larch plantation, some blowdown present throughout majority of the stand aprox 20%. Stand is of little merchantable value as tree form is poor. Stand has growing potential; however product is minimal. Recommend to harvest with neighbouring spruce as stand improvement is possible with a new plantation, expect stand to experience increased risk to blowdown if not harvested along with 151061. Plant RS,WS,BS,WP,WB,RM maintain and monitor. Buffer powerlines.									

STAND TALLY SHEET													
CRUISER		M. Buchanan		STAND # 150512 + 150871				PLANTATION # 3891551					
PROPERTY #		12096		AREA		2.28 ha		Date		24 / 3 / 2025			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	LA	36	18.3	14	30	4							
2	GB	36	9.6	12	20	5							
3	LA	36	14.1	14	30	6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		PO4		%		LA4		%		RM10		%	
Even-aged x		Uneven-aged										Biomass	
Slope		0 %		Aspect		NA							
Stand Origin:		Old Field x		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature x		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked		Overstocked x		Patchy					
Density:		SW 1,200		HW 1,600									
Advanced Regeneration:		Understocked x		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. GB		Height 2m		2. Spp. RM		Height 2m					
		3. Spp. GB		Height 1m		4. Spp. BS		Height 0.5m					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				Aster, Alder 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	
Drainage:		Poor x		Moderate				Good				Excellent	
Snag Trees:		Adequate		Inadequate x								Beaver Present	
Coarse Woody Material:		Adequate x		Inadequate								N Y / N	
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		x		Stems/Ha							
Comments:		<p>LA plantation 36 yrs old. It will be difficult to have equipment here in the future if needed due to drainage issues. This plantation is next to an agricultural field and thus is at a higher risk to blowdown, with minimal impact so far, but something to watch out for and monitor as stand becomes mature and stand heights increase. No treatment at this time.</p>											

STAND TALLY SHEET																
CRUISER		M. Buchanan				STAND #		150513			PLANTATION #					
PROPERTY #		12096				AREA		1.37 ha			Date		24 / 3 / 2025			
											D M Y					

SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WB	50	19.6	15	30	4	LA	80	42	18	25
2	PO	50	23.1	16	30	5	BF	25	13.4	12	60
3	RM	75	31.2	17	50	6					

STAND INFORMATION																			
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha		HWSL		M ² /Ha			
Species and (%)		PO3		%	WB2		%	WS2		%	BF10		%	RM10%,LA 10%					
Even-aged		Uneven-aged		x										Biomass					
Slope		0 %		Aspect		NA													
Stand Origin:		Old Field		x		Partial Cut				Burn				Unploughed					
		Windfall				Non Forest								Ploughed					
		Clear Cut				Unknown													
Stand Maturity Class:				Regeneration				Immature				Mature x				Over-mature			
Stand Stocking:		Understocked				Fully Stocked x				Overstocked				Patchy					
Density:		SW		600		HW		1,000											
Advanced Regeneration:				Understocked				Fully Stocked x				Overstocked				Patchy			
Regeneration:		1. Spp.		BF		Height		0.5m		2. Spp.		BF		Height		1m			
		3. Spp.		BF		Height		1m		4. Spp.				Height					

GROUND OBSERVATIONS														
Ground Vegetation Species Present:										Wild raisen, Sheep laurel,				
Ground Hemlock <input type="checkbox"/> Y / N <input type="checkbox"/> x														
Invasive Species Present <input type="checkbox"/> Y / N <input type="checkbox"/> x										If yes then what species:				
Site Indicators <input type="checkbox"/> Y / N <input type="checkbox"/> 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		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			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:	Mature mixedwood stand. Stand varies in density, having some areas dense and other open areas where drainage is poor. BF regen is heavy in spots in the understory. Stand is merchantable and is approaching harvest age; however, there is not enough density to justify, harvest on the next plan (10yrs). No treatment at this time.
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STAND TALLY SHEET																			
CRUISER		M. Buchanan				STAND #		150897				PLANTATION #							
PROPERTY #		12096				AREA		1.29 ha				Date		21 /		3 /		2025	
														D		M		Y	

SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	AL	30	9.6	8	20	4					
2	LA	40	21.3	12	30	5					
3						6					

STAND INFORMATION

Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha		HWSL		M ² /Ha			
Species and (%)		AL8		%		WS10		%		LA10		%							
Even-aged x		Uneven-aged												Biomass					
Slope		0 %		Aspect		NA													
Stand Origin:		Old Field		x		Partial Cut				Burn				Unploughed					
		Windfall				Non Forest								Ploughed					
		Clear Cut				Unknown													
Stand Maturity Class:				Regeneration				Immature x				Mature				Over-mature			
Stand Stocking:		Understocked x				Fully Stocked				Overstocked				Patchy					
Density:		SW		100		HW		500											
Advanced Regeneration:				Understocked				Fully Stocked				Overstocked				Patchy			
Regeneration:		1. Spp.				Height				2. Spp.				Height					
		3. Spp.				Height				4. Spp.				Height					

GROUND OBSERVATIONS

Ground Vegetation Species Present:										Alder, golden rod, aster , sensitive fern										
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

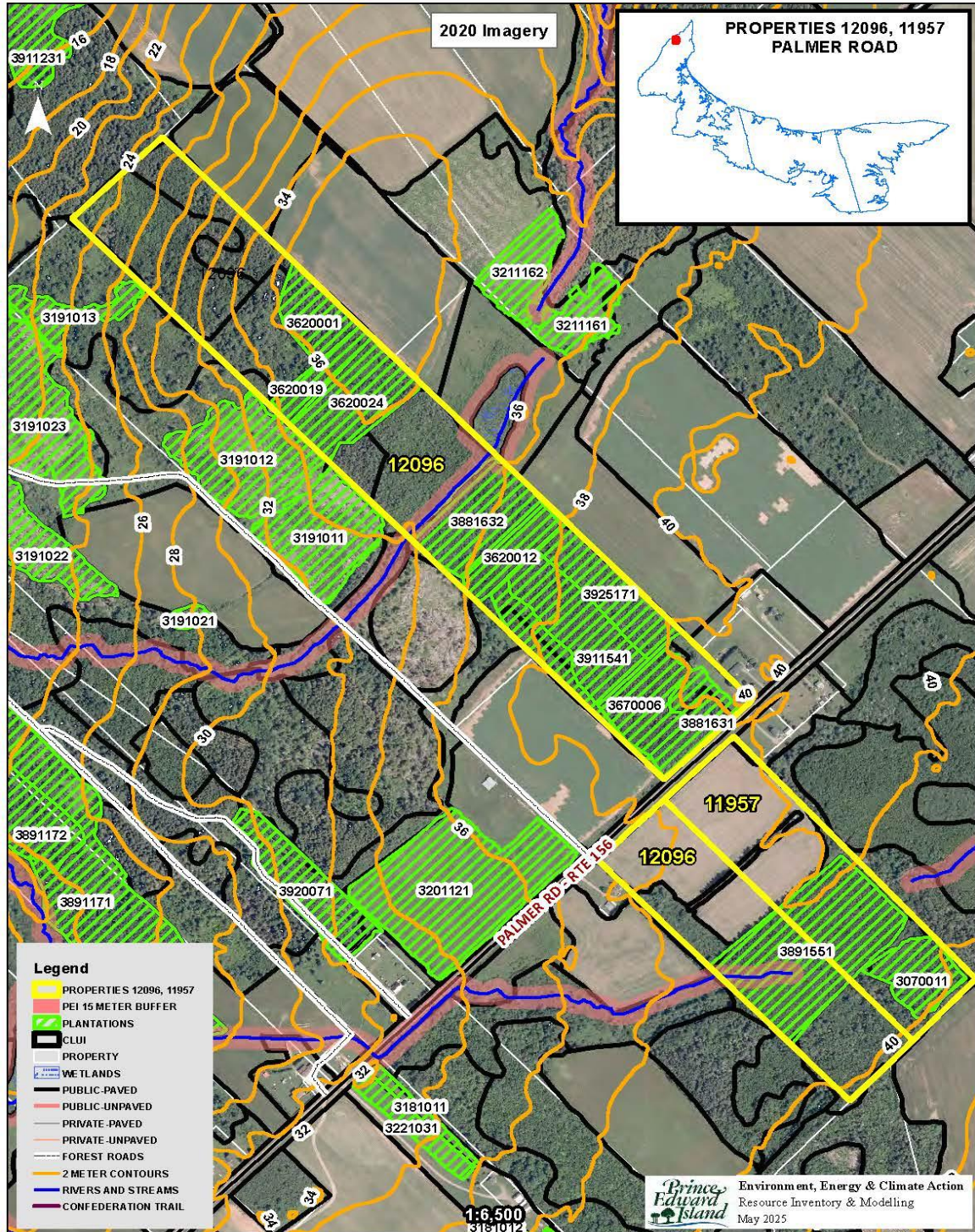
Water Course	<u>N</u>	Bog	<u>N</u>	Pond	<u>N</u>	Stream	<u>N</u>	Seeps	<u>N</u>		Beaver Present	<u>N</u>	Y / N
Drainage:	Poor	x	Moderate		Good		Excellent				Erosion Control Required	<u>N</u>	Y / N
Snag Trees:	Adequate	x	Inadequate										
Coarse Woody Material:		Adequate	x	Inadequate									
Dens	<u>N</u>	Nests (Raptors, songbirds, etc.)			<u>N</u>								
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 large stand of Alder on a wet site. No treatment at this time.

Appendix G. Plantation Map with Contour Lines



Appendix G. Work Completed

PID	Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
12096	3911541	25B	2.04	9/28/1990	Chemical Broadcast
12096	3925171	25B	1	9/16/1991	Chemical Broadcast
12096	3911541	29	1.81	2/8/1991	Raking Crawler Tractor-Root Rake:per Ha
12096	3881632	30B	1168	7/13/1992	Manual Site Preparation per Site (Hawk)
12096	3925171	30B	2055	7/13/1992	Manual Site Preparation per Site (Hawk)
12096	3925171	55W	1557	7/13/1992	WHITE SPRUCE - WESTERN
12096	3911541	55W	4630	6/17/1991	WHITE SPRUCE - WESTERN
12096	3881632	56W	1.28	7/13/1992	WHITE PINE - WESTERN
12096	3881632	56W	1168	7/13/1992	WHITE PINE - WESTERN
12096	3925171	56W	498	7/13/1992	WHITE PINE - WESTERN
12096	3881632	82B	1.27	9/16/1991	Herbicide:Broadcast : 1st Treatment
11957	3070011	30B	1728	11/16/2007	Manual Site Preparation per Site (Hawk)
11957	3070011	59W	1728	11/16/2007	EASTERN LARCH -WESTERN
11957	3981551	88C	3	9/30/1991	Class 3 : Manual : 10001-15000/Ha <6 Metres