

Date: June 11th, 2024

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



Woodlot Management Plan

Property Number: 24562

Location: Mount Pleasant

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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 # 24562 is located on the Port Hill Station Road, Route #169, in the community of Mt. Pleasant, P.E.I., (Appendix A). The total area of this property is 21.4 hectares (53 acres) and the midpoint of the property is Latitude N 46.577827 decimal degrees, Longitude W -63.993128 decimal degrees.

Past Information

Local records and previous aerial photography show that the Southern portion of this property was used for agricultural purposes early in the 20th century. To better illustrate this 1935 and 1968 photography can be seen in Appendix B and Appendix C. These maps show a cleared field to Southwest. They also show an abandoned field regenerating along the boundary near the Southeast. A strip of old field to the central portion of the property along the West boundary was also abandoned old field in the process of being reclaimed by trees.

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 western boundary of the property on an adjacent property (Appendix A). A 15 metre buffer zone is to be maintained around this wetland.

Property Access

There is a small entrance located at the Southeast of the property on the Port Hill Station Road. This entrance-way may have to be extended at some point to provide access to more of the woodlot. Ongoing road maintenance will be required to keep any roads constructed in future 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. At this point, no road construction is prescribed.

Property Boundaries

This property is bounded on the north and west by private land. The southern boundary fronts on the Port Hill Station Road. The western boundary is shared with another “Provincially-owned” parcel.

Fire Protection

This property is located within the jurisdiction of the Tyne Valley Fire Department. The amount of personnel and equipment used to fight any forest fires will depend greatly upon the size and severity of the fire. Protection of our woodland from forest fire is the responsibility of the Forests, Fish and Wildlife Division and our local community fire brigades. In the Western District, there are four-wheel drive forestry fire trucks housed at the Wellington and West Point Fire Departments. These heavy-duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire

trucks, off road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available if needed. A stream that flows through the middle of the property would be a suitable site to setup a portable fire pump system.

Planting and Silviculture

There are 5 plantations on the property. It is recommended that any trees planted on the property be assessed at regular intervals. These assessments will determine if the planted trees require manual maintenance or fill planting as specified in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL (“Eco Manual”). A list of all silviculture treatments completed on the property from 1991 to present is shown in Appendix H.

Proposed Treatments

The 2006 Forest Policy “Moving to Restore a Balance in Island Forests” lays out the framework for Public Land Forest management. The Eco-Manual provides details for prescribed treatments. All work completed on this property must comply with that manual. Although all stands were assessed, only specific stands were prescribed treatments to accomplish goal(s) within the next 10 years. Table 1 provides a summary of these proposed treatments. Proposed treatments may be updated in 5 years, when the 10-year period expires, or due to unforeseen events. This table will be updated as required when additional treatments are prescribed. For a better understanding of the treatments prescribed, a more detailed explanation is available in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL (“Eco Manual”)

www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-_final.pdf . Any additional information may be obtained by contacting a Provincial Forest

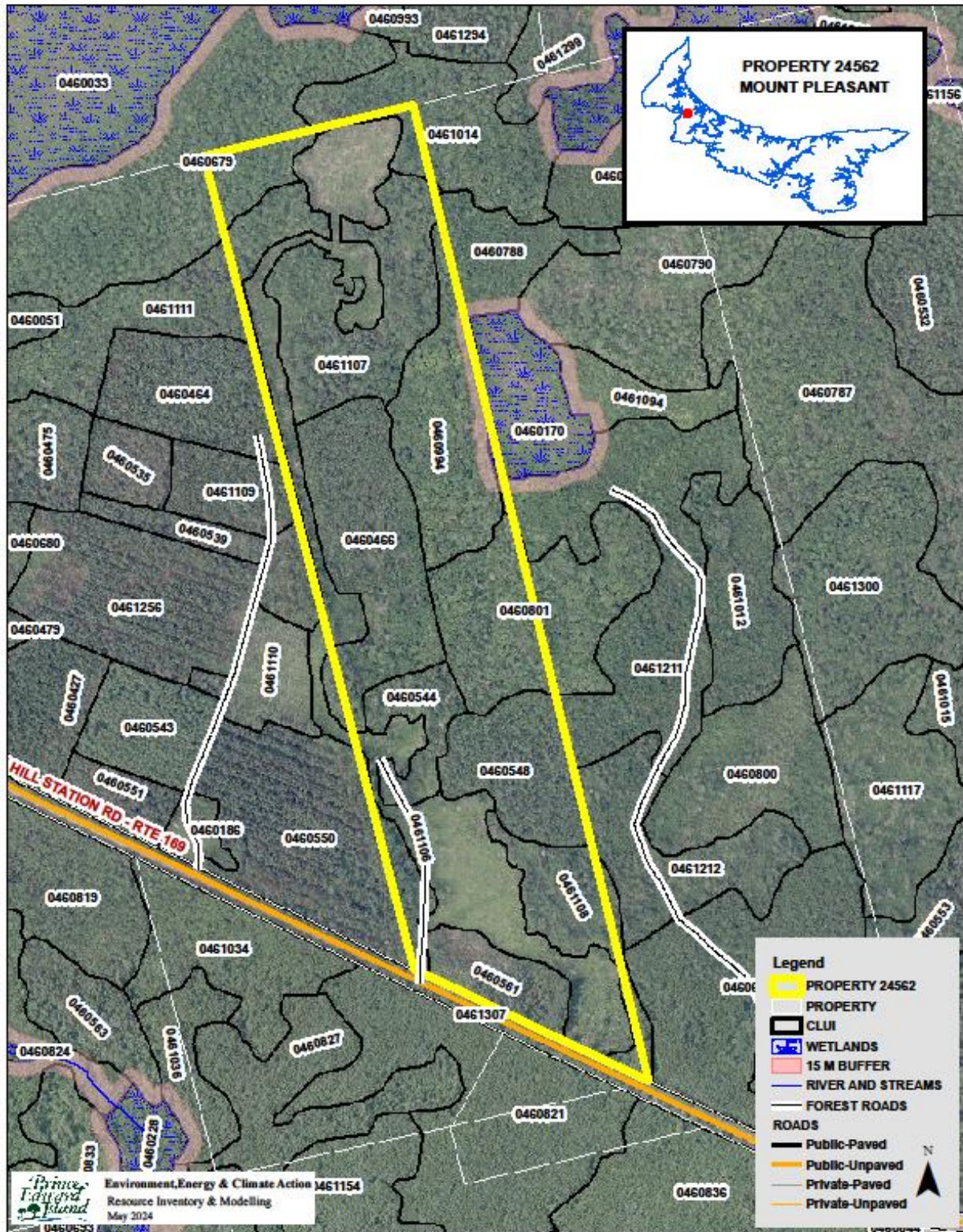
representative at the District Forestry Office in Wellington.

Table 1. Proposed Treatment Summary.

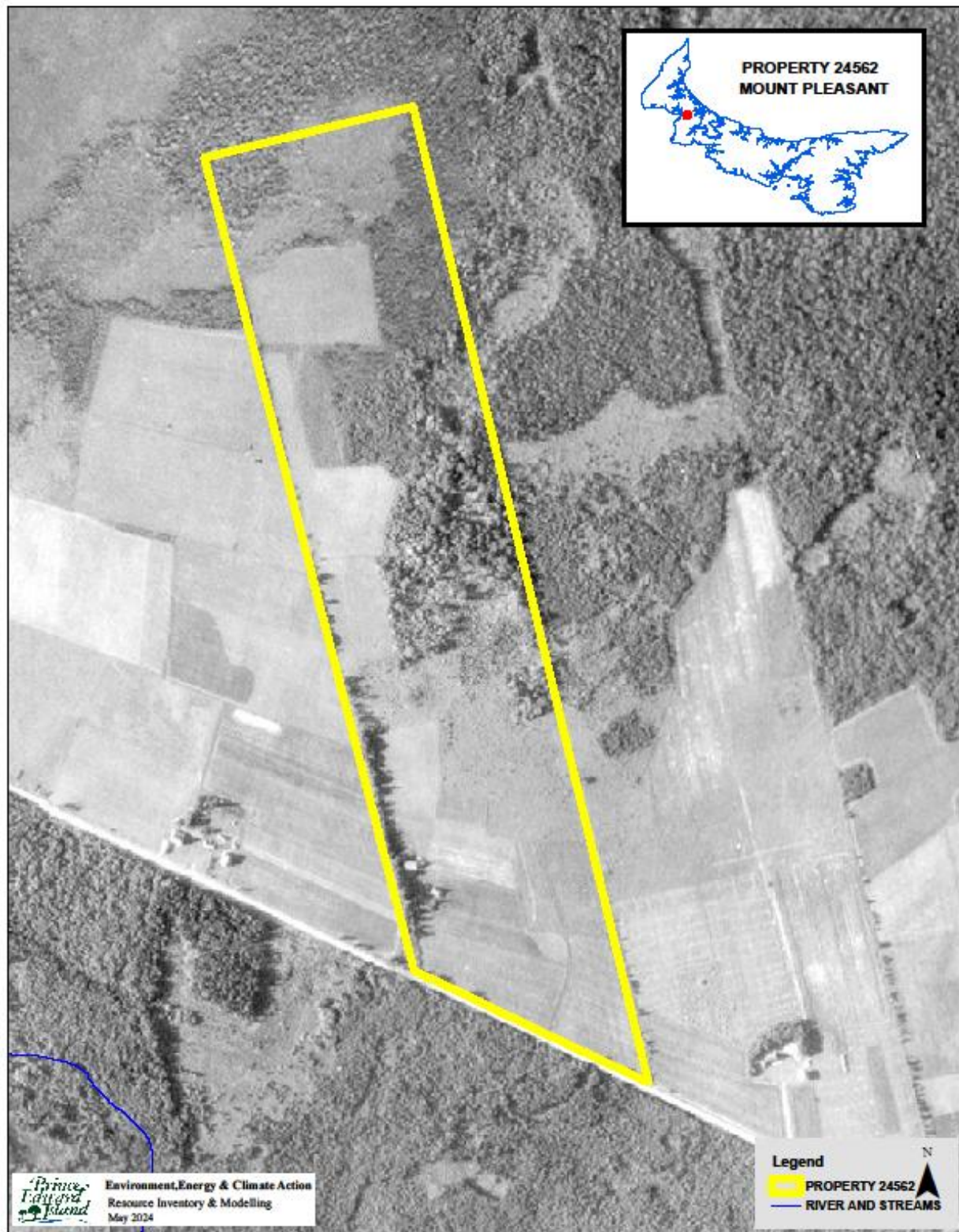
Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco-Manual Reference	Comments	Goals
0460561, PN 3831631	Block Harvest	2024	1.0	Pg. 30	Salvage BS blowdown from hurricane Fiona.	Salvage wood.
0460466, PN 3871641	Block Harvest	2024	3.1	Pg. 30	Harvest LA blowdown for biomass. Patches of hardwood to be left for retention for the future stand.	Salvage wood.
0461108	Block Harvest	2025	1.2	Pg. 30	Block harvest overmature WS as stand is in decline.	Salvage wood.
0460561, PN 3831631	Manual Site Preparation & Reforestation	2025	1.0	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
0460466, PN 3871641	Manual Site Preparation & Reforestation	2025	3.1	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, BS, LA, WP, SM, YB	Regenerate a biodiverse forest stand.
0461108	Manual Site Preparation & Reforestation	2026	1.2	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
0461106, PN 3170121, 3170122	Manual Maintenance	2026	5.1	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0460561, PN 3831631	Manual Maintenance	2027	1.0	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0460466, PN 3871641	Manual Maintenance	2027	3.1	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0461108	Manual Maintenance	2028	1.2	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.

Appendices

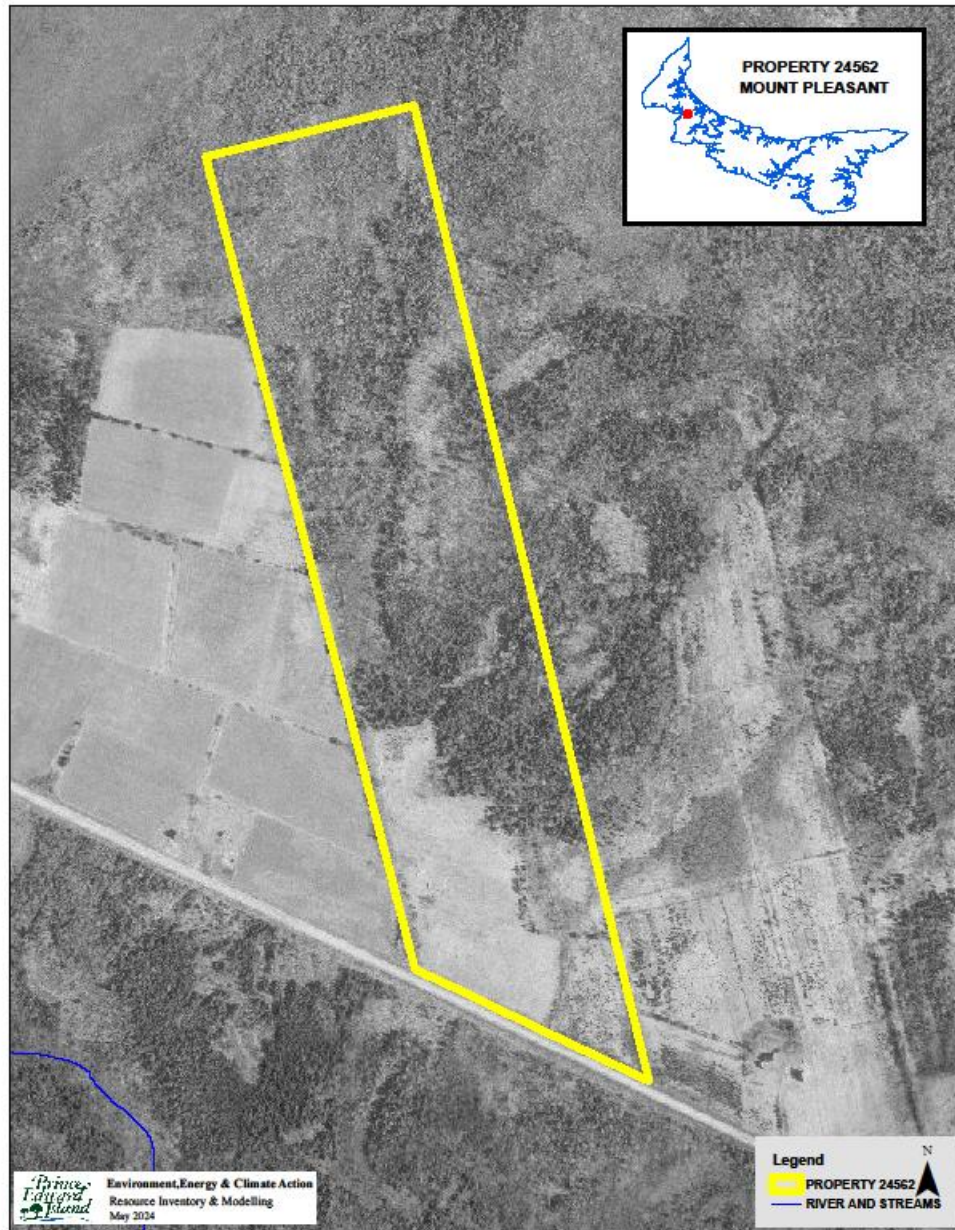
Appendix A. Map of Property with Locator Map



Appendix B. 1935 Aerial Photography



Appendix C. 1968 Aerial Photography



Appendix D. 2020 Corporate Land Use Inventory

FIELDID	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	HECTARES	WOODSTOCK
0460464	BS	7.00	LA	2.00	GB	1.00		0.00		0.00	12.00	85.00	0.06	BSPR
0460466	LA	5.00	WB	2.00	RM	2.00	PO	1.00		0.00	13.00	85.00	3.11	LAIH
0461256	BS	6.00	PO	2.00	RM	1.00	LA	1.00		0.00	10.00	80.00	0.04	SPLA
0460544	WS	6.00	WB	2.00	RM	1.00	PO	1.00		0.00	12.00	50.00	0.91	SPIH
0460548	LA	5.00	RM	2.00	GB	2.00	PO	1.00		0.00	8.00	75.00	1.85	LAIH
0460550	WS	4.00	BS	3.00	RM	1.00	GB	1.00	RP	1.00	12.00	85.00	0.49	SWMX
0460561	BS	6.00	PO	2.00	RM	1.00	WB	1.00		0.00	13.00	60.00	1.04	SPIH
0460679	RM	5.00	WB	3.00	PO	1.00	BS	1.00		0.00	10.00	75.00	0.62	IHMX
0460788	WB	5.00	RM	2.00	BF	1.00	PC	1.00	PO	1.00	8.00	85.00	0.01	IHMX
0460801	RM	6.00	PO	2.00	WS	1.00	WB	1.00		0.00	14.00	85.00	1.80	IHMX
0460994	RM	4.00	WB	2.00	SM	2.00	WS	1.00	PO	1.00	17.00	95.00	2.43	IHMX
0461014	RM	6.00	WB	2.00	WS	1.00	PO	1.00		0.00	13.00	85.00	0.25	IHMX
0461106	WS	6.00	LA	1.00	RO	1.00	WA	1.00	WP	1.00	3.00	0.00	5.08	SPLA
0461107	RM	4.00	BS	2.00	PO	2.00	LA	1.00	WB	1.00	16.00	80.00	2.84	IHMX
0461108	WS	3.00	RM	2.00	PO	2.00	LA	2.00	WB	1.00	16.00	45.00	1.24	SWIH
0461109	NS	6.00	LA	2.00	RM	1.00	GB	1.00		0.00	13.00	85.00	0.02	SWMX
0461111	RM	5.00	PO	2.00	LA	1.00	WS	1.00	WB	1.00	17.00	90.00	0.64	IHMX
0461211	RM	4.00	GB	3.00	LA	1.00	BF	1.00	PO	1.00	9.00	90.00	0.03	IHMX
0461212	PO	4.00	WS	2.00	GB	2.00	LA	1.00	RM	1.00	12.00	75.00	0.00	IHMX

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		J. LeClair		STAND # 0460561				PLANTATION #		3831631			
PROPERTY #		24562 Mount Pleasant		AREA		1.04 ha		Date		30 / 5 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	BS	41	28	14	33	4							
2	RM	41	18.5	13	45	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		BS60 %		PO20 %		PO10 %		WB10 %					
Even-aged X		Uneven-aged										Biomass	
Slope 0 %		Aspect L											
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed X					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature X		Mature X		Over-mature					
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy					
Density:		SW 3,000		HW 600									
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. BF		Height 0.5-2 m		2. Spp. PO		Height 1-2 m					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		starflower, false lily of the valley, solomon's seal, wild raisin											
Ground Hemlock		Y / N X											
Invasive Species Present		Y / N X		If yes then what species:									
Site Indicators		Y / N X		If yes then what species:									
ENVIRONMENTAL OBSERVATIONS													
Water Course N		Bog		Pond		Stream		Seeps		Beaver Present		Y / N	
Drainage: Poor		Moderate		Good X		Excellent				Erosion Control Required		Y / N	
Snag Trees:		Adequate X		Inadequate									
Coarse Woody Material:		Adequate X		Inadequate									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		hairy woodpecker											
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:		Blowdown from hurricane Fiona, over 50% of the stand. Block harvest keeping windfirm hardwoods.											
		Plant WS, BS, WP, LA, YB, SM or WA.											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		0460466		PLANTATION #		3871641			
PROPERTY #		24562 Mount Pleasant		AREA		3.11 ha		Date		3 / 6 / 2024			
								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	15	12	40	4							
2	RM	37	16	11	60	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		LA50 %		RM20 %		WB10 %		GB10 %		WA, BF 10			
Even-aged		X		Uneven-aged								Biomass	
Slope		0 %		Aspect		L							
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		X		Mature		Over-mature			
Stand Stocking:		Understocked		Fully Stocked		X		Overstocked		Patchy			
Density:		SW 1,200		HW 800									
Advanced Regeneration:		Understocked		X		Fully Stocked		Overstocked		Patchy			
Regeneration:		1. Spp. WA		Height 2-5 m		2. Spp. RM		Height 2-5 m					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				false lily of the valley, sarsaparilla, bracken fern, beaked hazelnut, wild raisin, nodding trillium, yellow clintonia									
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		Pond		Stream		Seeps		Beaver Present	
Drainage:		Poor		Moderate		X		Good		X		Excellent	
Snag Trees:		Adequate		X		Inadequate							
Coarse Woody Material:		Adequate		X		Inadequate							
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed				Grouse heard.									
Comments													
STAND PRESCRIPTION													
No Treatment				Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut				Selection Cut				Patch Cut				Strip Cut	
Commercial Thinning				Afforestation				Site Preparation		X			
Pre-commercial Thinning				Reforestation		X		Riparian Zone Mgmt					
Pln. Maint.		X		Y / N		Stems/Ha							
Comments:		<p>Could use a block harvest to gather LA blowdown, leaving hardwoods up for the future stand. Could plant WS, BS, LA, WP, SM, YB.</p>											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND # 0461108				PLANTATION #					
PROPERTY #		24562 Mount Pleasant		AREA		1.24 ha		Date		30 / 5 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WS	64	35	16	40	4							
2	RM	64	15	15	40	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 (%)		WS40	%	RM20	%	WA10	%	LA10	%	WB 10	%	PO 10%	
Even-aged		X	Uneven-aged								Biomass		
Slope		0	%	Aspect		L							
Stand Origin:		Old Field	X	Partial Cut				Burn				Unploughed	
		Windfall		Non Forest								Ploughed X	
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration				Immature				Mature X		Over-mature X	
Stand Stocking:		Understocked				Fully Stocked X				Overstocked		Patchy	
Density:		SW	800	HW	800								
Advanced Regeneration:		Understocked X				Fully Stocked				Overstocked		Patchy	
Regeneration:		1. Spp. PC		Height 1 m				2. Spp. RM		Height 4 m			
		3. Spp. WA		Height 1.5 m				4. Spp.		Height			
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				sensitive fern, asters, dwarf raspberry, beaked hazelnut, yellow clintonia, bunchberry									
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: alders east edge of stand							
ENVIRONMENTAL OBSERVATIONS													
Water Course		N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:		Poor	Moderate	X	Good		Excellent		Erosion Control Required		Y / N		
Snag Trees:		Adequate	X	Inadequate									
Coarse Woody Material:		Adequate	X	Inadequate									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		heard a vireo											
Comments		stand has wetter ground on eastern edge.											
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		X		Riparian Zone Mgmt					
Pln. Maint.		X	Y / N	Stems/Ha									
Comments:		WS in the stand looks over mature, with some standing dead trees in stand and about 10% blowdown. Block harvest and plant WS, WP, LA, YB, SM or WA. Only harvest in very dry or frozen conditions.											

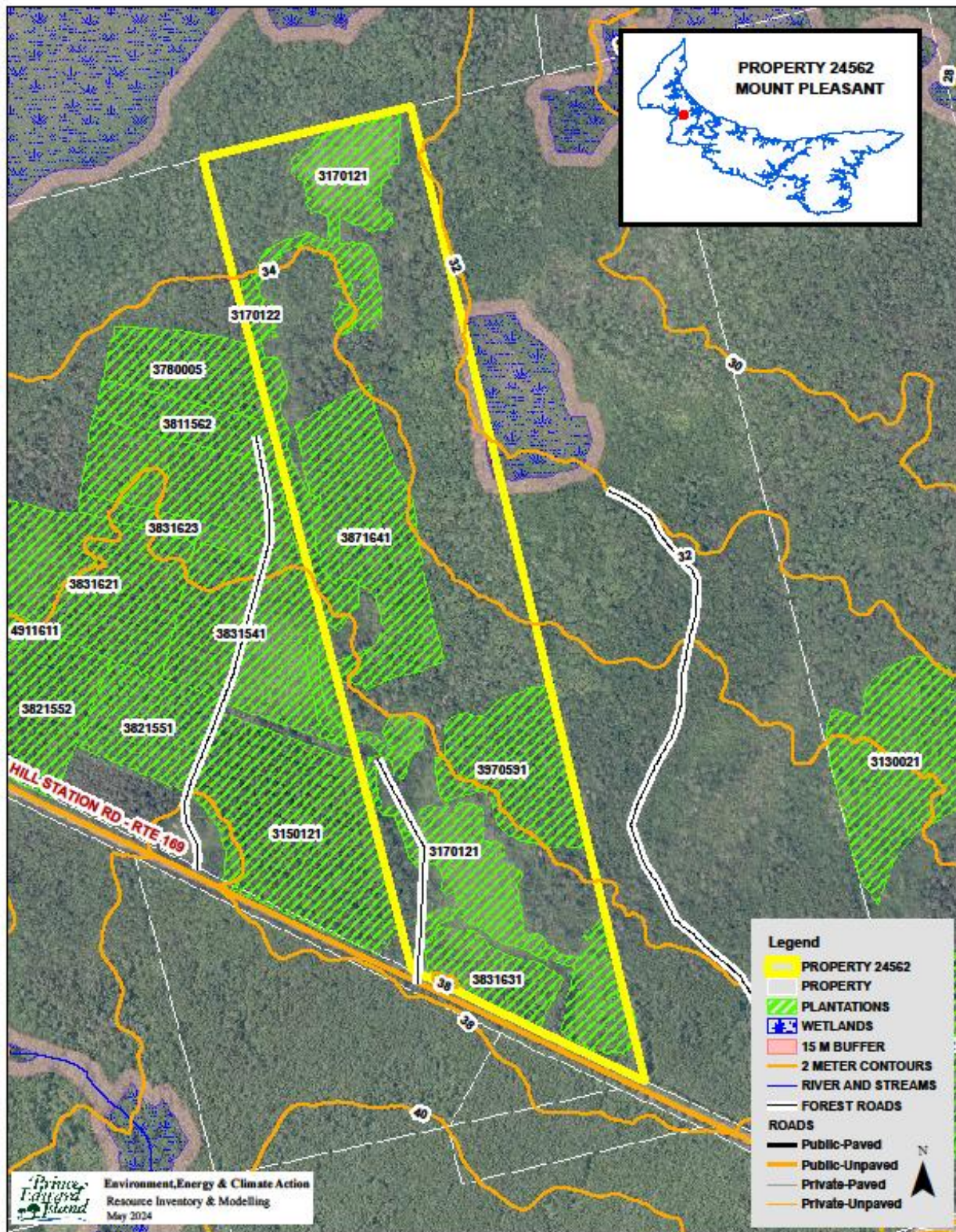
STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		0461106		PLANTATION #		3170121, 3170122			
PROPERTY #		24562 Mount Pleasant		AREA		5.08 ha		Date		30 / 5 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RM	7	1	2.1	70	4							
2	WS	7	2.2	1.7	90	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		WS30 %		RM30 %		PO10 %		WP10 %		LA 10% RO, BF 10%			
Even-aged X		Uneven-aged								Biomass			
Slope		0 %		Aspect		L							
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed X					
		Clear Cut X		Unknown									
Stand Maturity Class:		Regeneration X		Immature		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked		Overstocked X		Patchy					
Density:		SW 1,800		HW 2,200									
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked X		Patchy					
Regeneration:		1. Spp. RM		Height 0.5-3 m		2. Spp. WS		Height 2 m					
		3. Spp. PO		Height 1 m		4. Spp. RO		Height 1.5 m					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		raspberry, sarsaparilla, solomons seal, alternate leaved dogwood											
Ground Hemlock		Y / N		X									
Invasive Species Present		Y / N		X		If yes then what species:							
Site Indicators		Y / N		X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS													
Water Course		N		Bog		Pond		Stream		Seeps		Beaver Present	
Drainage:		Poor		Moderate		Good		X		Excellent		Erosion Control Required	
Snag Trees:		Adequate X		Inadequate									
Coarse Woody Material:		Adequate X		Inadequate									
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed													
Comments													
STAND PRESCRIPTION													
No Treatment				Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut				Selection Cut				Patch Cut				Strip Cut	
Commercial Thinning				Afforestation				Site Preparation					
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt					
Pln. Maint.		X Y / N		Stems/Ha									
Comments:													
		This site had a plantation maintenance done recently in 2023. Conifers are above the competition for now but should be checked in another few years to see if another is needed.											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		0460548		PLANTATION #		3970591			
PROPERTY #		24562 Mount Pleasant		AREA		1.85 ha		Date		30 / 5 / 2024			
								D		M		Y	
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	NS	29	12	12	50	4							
2	LA	27	18	13	35	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		LA50 %		NS20 %		WB10 %		GB 10 %		WA, Elm 10%			
Even-aged X		Uneven-aged								Biomass			
Slope		0 %		Aspect		L							
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed X					
		Clear Cut X		Unknown									
Stand Maturity Class:		Regeneration		Immature X		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW 2,200		HW 100									
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. RM		Height 1-4 m		2. Spp. WA		Height 1 m					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				dwarf raspberry, lady fern, sensitive fern, cinnamon fern, violets, jewel weed									
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: cinnamon and sensitive fern					
ENVIRONMENTAL OBSERVATIONS													
Water Course		N		Bog		Pond		Stream		Seeps		Beaver Present	
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		Red squirrel seen, heard warbler											
Comments													
STAND PRESCRIPTION													
No Treatment				X		Regeneration Cut				Crop Tree Release		Block Cut	
Shelterwood Cut						Selection Cut				Patch Cut		Strip Cut	
Commercial Thinning						Afforestation				Site Preparation			
Pre-commercial Thinning						Reforestation				Riparian Zone Mgmt			
Pln. Maint.		Y / N		Stems/Ha									
Comments:		Some blowdown present, approximately 20%, but very wet ground. The north part of the stand that is heavier with NS is on better ground, I believe this is a remnant of plantation 3955111, likely fill planted with LA in 1997.											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND # 0460544, 0460550				PLANTATION #					
PROPERTY #		24562 Mount Pleasant		AREA		1.4 ha		Date		3 / 6 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	WS	50+	24	17	60	4							
2	RM	50+	16	14	60	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 (%)		RM30 %	WS20 %	WA20 %	WB20 %	YB, Elm 10%							
Even-aged X		Uneven-aged										Biomass	
Slope		0 %	Aspect		L								
Stand Origin:		Old Field	Partial Cut		Burn	Unploughed X							
		Windfall	Non Forest			Ploughed							
		Clear Cut	Unknown										
Stand Maturity Class:		Regeneration		Immature		Mature X		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW	600	HW	1,400								
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp. WA		Height 3-4 m		2. Spp. RM		Height 2-4 m					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				sensitive fern, star flower, dwarf raspberry, wild strawberry, striped maple									
Ground Hemlock				Y / N	X								
Invasive Species Present				X	Y / N	If yes then what species: cedum							
Site Indicators				X	Y / N	If yes then what species: alders, sensitive fern, spaghnum moss - wet							
ENVIRONMENTAL OBSERVATIONS													
Water Course		N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:		Poor X	Moderate	X	Good		Excellent		Erosion Control Required		Y / N		
Snag Trees:		Adequate X	Inadequate										
Coarse Woody Material:		Adequate X	Inadequate										
Dens			Nests (Raptors, songbirds, etc.)										
Wildlife Observed		None seen.											
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:		Overstory WS is over mature and low density. Lots of WA and RM in the understory. East side of the stand has wetter soils, no treatment to protect.											

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		0460801, 0460994, 0460679, 0461107, 0461014, 0461111		PLANTATION #					
PROPERTY #		24562 Mount Pleasant		AREA		8.58 ha		Date		7 / 6 / 2024			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	YB	80+	33	15	60	4							
2	RM	80+	40	16	50	5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		RM40 %		YB20 %		PO10 %		WS10 %		Elm, BF, WA, SM 20%			
Even-aged X		Uneven-aged								Biomass			
Slope		0 %		Aspect		L							
Stand Origin:		Old Field		Partial Cut		X		Burn		Unploughed		X	
		Windfall		Non Forest						Ploughed			
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		Mature		X		Over-mature			
Stand Stocking:		Understocked		Fully Stocked		X		Overstocked		Patchy			
Density:		SW 200		HW 1,000									
Advanced Regeneration:		Understocked		X		Fully Stocked		Overstocked		Patchy			
Regeneration:		1. Spp. WA		Height		3 m		2. Spp. RM		Height		2-5 m	
		3. Spp. YB		Height		3-4 m		4. Spp. BF		Height		1-3 m	
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				winterberry, sensitive fern, dwarf raspbber, cinnamon fern, horsetail, beaked hazelnut, sarsaparilla, asters, striped maple, bunchberry									
Ground Hemlock				Y / N		X							
Invasive Species Present				Y / N		X		If yes then what species:					
Site Indicators				X		Y / N		If yes then what species: sensitive fern, cinnamon fern, marsh marigold - wet site					
ENVIRONMENTAL OBSERVATIONS													
Water Course		Y		Bog		X		Pond		Stream		Seeps	
Drainage:		Poor		X		Moderate		X		Good		Excellent	
Snag Trees:		Adequate		X		Inadequate							
Coarse Woody Material:		Adequate		X		Inadequate							
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed		black and white warbler heard, lots of large PO snags for wildlife											
Comments		Wetland along East border of stand 0460170, buffer 15 m											
STAND PRESCRIPTION													
No Treatment				X		Regeneration Cut				Crop Tree Release		Block Cut	
Shelterwood Cut						Selection Cut				Patch Cut		Strip Cut	
Commercial Thinning						Afforestation				Site Preparation			
Pre-commercial Thinning						Reforestation				Riparian Zone Mgmt			
Pln. Maint.		Y / N		Stems/Ha									
Comments:		WS present in stand is overmature and very low density. Lots of bird song heard in the stand. No treatment to protect biodiversity values and sensitive soils.											

Appendix G. Plantation Map with Contour Lines



Appendix H. Work Completed

Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
	16B	0.1	3/31/2021	Mechanical roadside trimming
0	212	1.29	10/18/1993	Stumpage
3955111	25B	1.29	10/27/1994	Chemical Broadcast
3170121	30B	9540	7/14/2017	Manual Site Preparation per Site (Hawk)
3170122	30B	385	7/14/2017	Manual Site Preparation per Site (Hawk)
3170121	30B	1005	10/9/2017	Manual Site Preparation per Site (Hawk)
3170121	50WI	3.8	10/9/2017	INTERPLANT AREA - WESTERN
3170121	55W	8370	7/14/2017	WHITE SPRUCE - WESTERN
3170121	56W	1170	7/14/2017	WHITE PINE - WESTERN
3170122	56W	65	7/14/2017	WHITE PINE - WESTERN
3170122	59W	320	7/14/2017	EASTERN LARCH - WESTERN
3970591	59W	5312	7/22/1997	EASTERN LARCH - WESTERN
3170121	64WI	285	10/9/2017	INTERPLANT RED OAK - WESTERN
3170121	65WI	720	10/9/2017	INTERPLANT WHITE ASH - WESTERN
3955111	67W	3720	7/8/1995	NORWAY SPRUCE - WESTERN
3955111	82B	1.62	10/7/1996	Herbicide:Broadcast : 1st Treatment
3831631	88B	0.82	9/17/1991	Class 2 : Manual : 5001-10000/Ha <6 Metres
3831631	88B	0.72	3/1/2021	Class 2 : Manual : 5001-10000/Ha <6 Metres
3170121	88D	4.9	5/8/2023	Class 4 : Manual : 15001-20000/Ha <6 Metres
3970591	88D	1.44	9/11/2009	Class 4 : Manual : 15001-20000/Ha <6 Metres
0	92	1.29	10/18/1993	Clearcut Block
	92	4.93	1/31/2017	Clearcut Block