

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”)

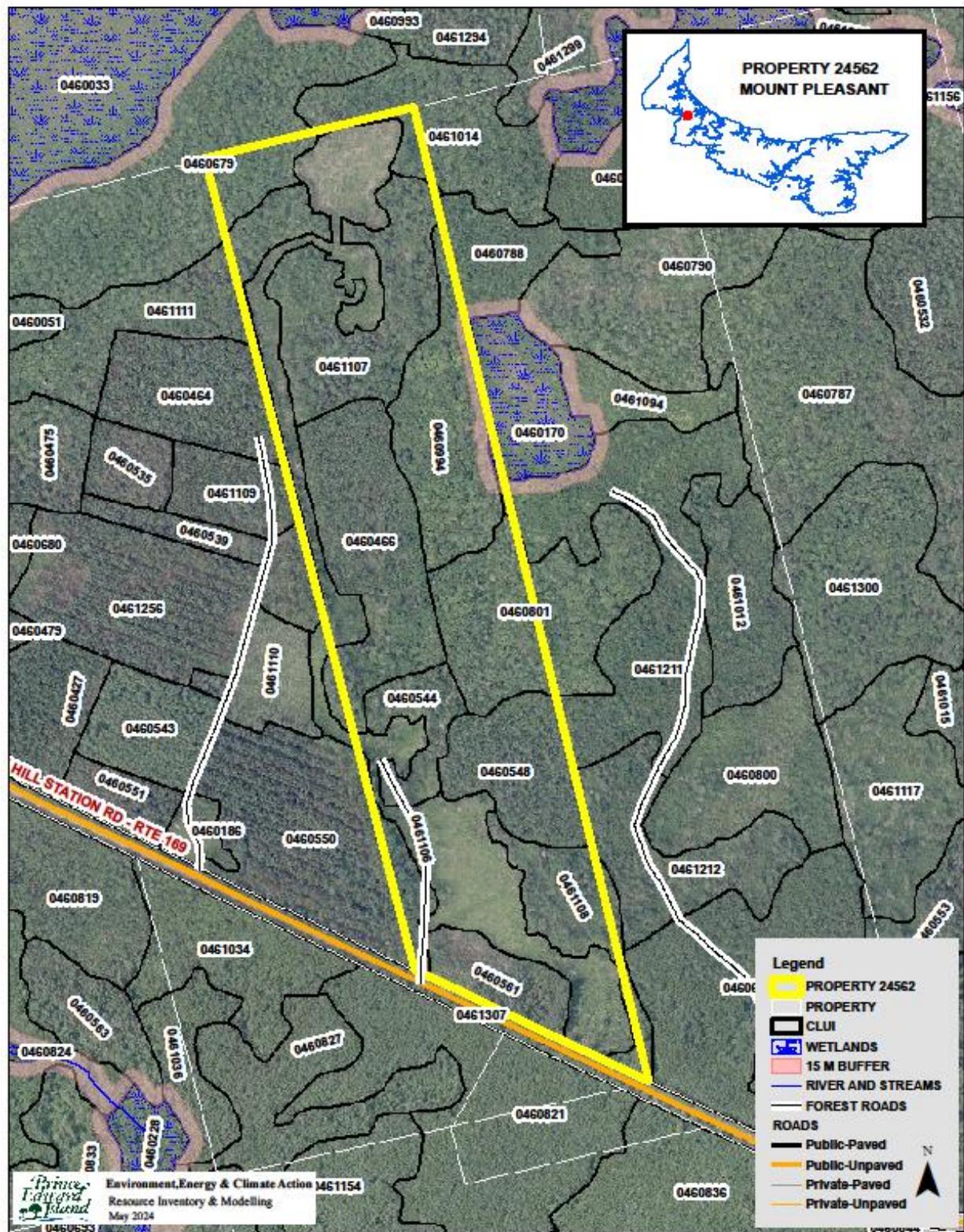
www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-final.pdf . Any additional information may be obtained by contacting a Provincial Forest representative at the District Forestry Office in Wellington.

Table 1. Proposed Treatment Summary.

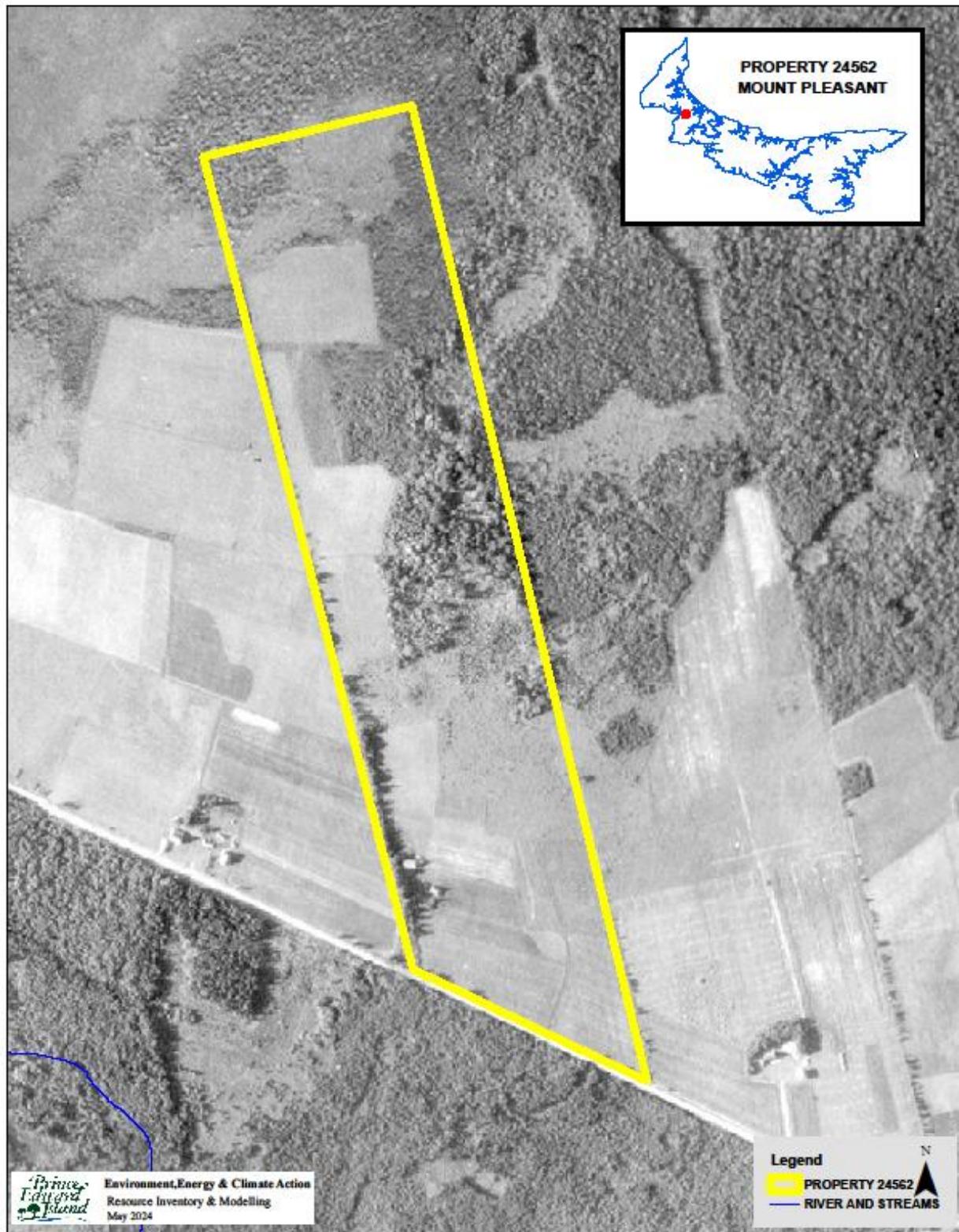
Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco-Manual Reference	Comments	Goals
0460561, PN 3831631	Block Harvest	2024	1.0	Pg. 30	Salvage BS blowdown from hurricane Fiona.	Salvage wood.
0460466, PN 3871641	Block Harvest	2024	3.1	Pg. 30	Harvest LA blowdown for 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

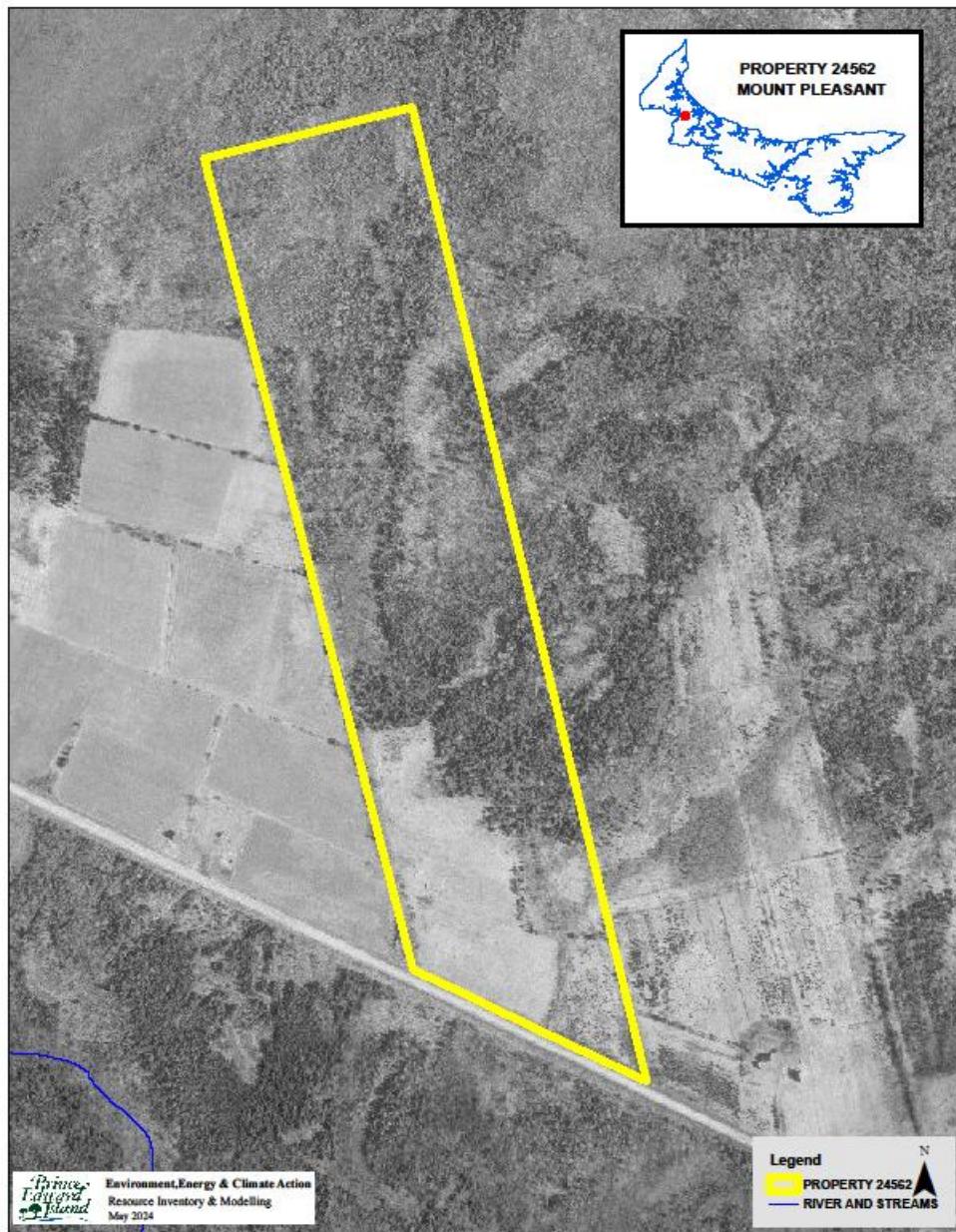
Appendix A. Map of Property with Locator Map



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%	A	91% - 100%
1	10 - 19%	B	81% - 90%
2	20 - 29%	C	71% - 80%
3	30 - 39%	D	61% - 70%
4	40 - 49%	E	51% - 60%
5	50 - 59%	F	41% - 50%
6	60 - 69%	G	31% - 40%
7	70 - 79%	H	21% - 30%
8	80 - 89%	I	11% - 20%
9	90 - 100%	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	HWSL	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	HWSL	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		Y / N		
Drainage:	Poor	Moderate	X	Good	X	Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate	X	Inadequate								
Coarse Woody Material:	Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	Grouse heard.										
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	X		Riparian Zone Mgmt					
Pln. Maint.	X	Y / N	Stems/Ha								
Comments:	Could use a block harvest to gather LA blowdown, leaving hardwoods up for the future stand. Could plant WS, BS, LA, WP, SM, YB.										

STAND TALLY SHEET

CRUISER	J. LeClair	STAND #	0461108	PLANTATION #	
PROPERTY #	24562 Mount Pleasant	AREA	1.24 ha	Date	30 / 5 / 2024

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						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	HWSL	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	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							
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

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	HWSL	M ² /Ha
Species and (%)	LA50 %	NS20 %	WB10 %	GB 10 %	WA, Elm 10%			
Even-agerc	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	Y / N
Drainage:	Poor	X	Moderate	Good	Excellent	Erosion Control Required	Y / N
Snag Trees:	Adequate	X	Inadequate				
Coarse Woody Material:	Adequate	X	Inadequate				
Dens		Nests (Raptors, songbirds, etc.)					
Wildlife Observed	Red squirrel seen, heard warbler						
Comments							

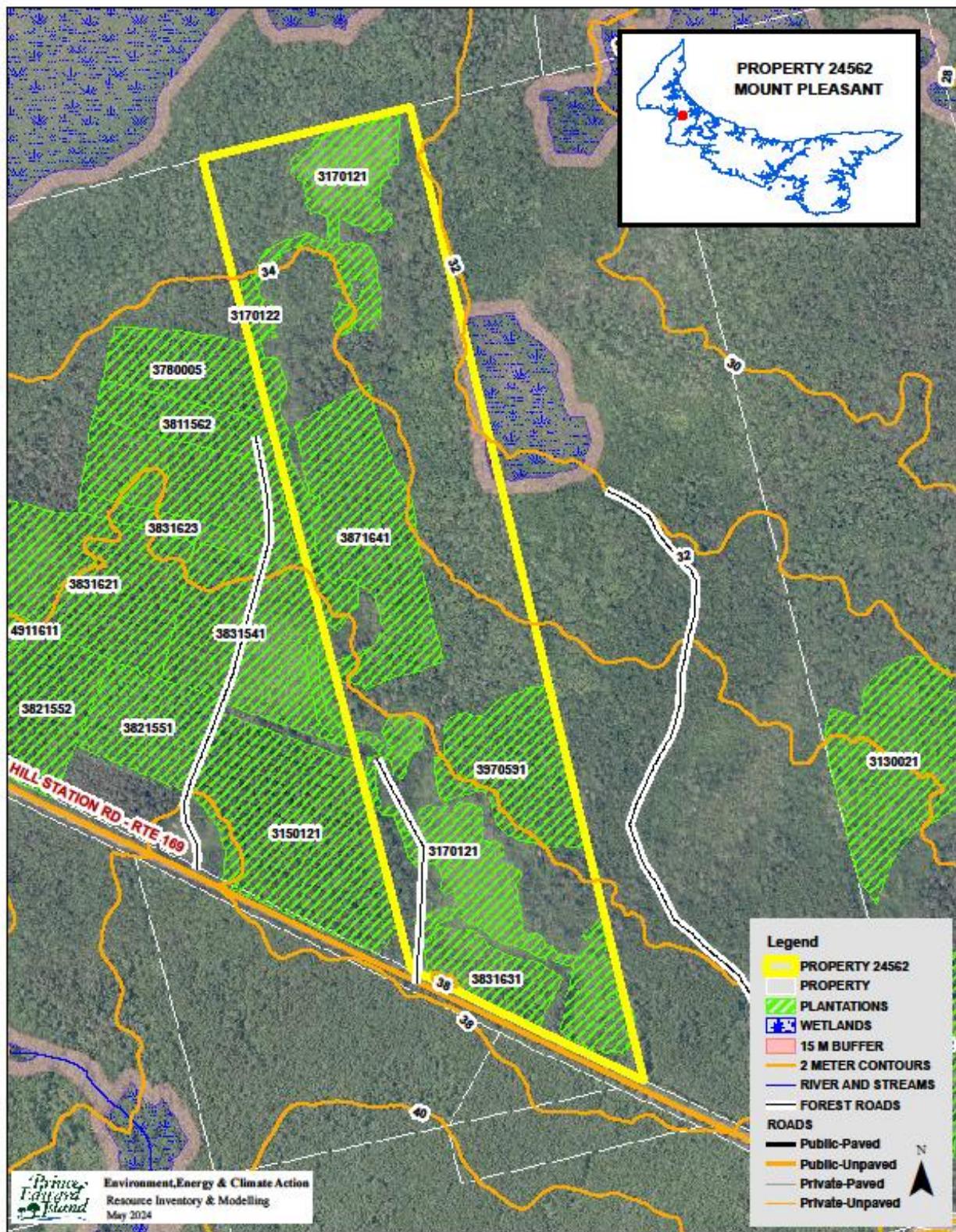
STAND PRESCRIPTION

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, sphagnum 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	HWSL	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 rasperbber, 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:								
ENVIRONMENTAL OBSERVATIONS												
Water Course	Y	Bog	X	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	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
				Class 4 : Manual : 15001-20000/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