

Feb. 03, 2023

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



Woodlot Management Plan

Property Number: 428748

Location: Mt. 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 # 428748 is situated on the Eastern side of the Western Road (Rte # 2) between the Harts Gravel Road and the Ellerslie Road (Rte. 133), in the community of Mount Pleasant, P.E.I. (Appendix A). The total area of this property is 122.3 hectares (302 acres); however, only the forested portion of the property is being managed by the Forests, Fish and Wildlife Division. The midpoint of the property is Latitude N 46.59915 decimal degrees, Longitude W -63.99819 decimal degrees.

Past Information

Local records and previous aerial photography show that the property was mostly agriculture land in 1935 (Appendix B) with some areas with forest cover. The 1968 aerial photograph (Appendix C) shows presence of an airstrip on the property and the eastern portion of the property in forest cover. Since the airstrip was abandoned a large portion of the property has reverted to forested land and abandoned agriculture land. There are, however, areas with an active agriculture lease on the property.

Landuse

This property is jointly managed by various Departments of the PEI Government; the Forests, Fish and Wildlife Division (Dept. of Environment, Energy and Climate Action), the Dept. of Tourism, and the Dept. of Transportation.

Property Information

The information in Appendix D has been taken from the 2010 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

The headwater of two small streams lie within the property boundary. Water flows into larger watercourses outside the property boundary. Two open water wetlands and two wooded wetlands are located on the property as well). A 15-metre buffer zone is to be maintained around the watercourses and wetlands. These observations can be viewed in Appendix A.

Property Access

The property is well accessed from the Western Rd. Within the property an abandoned airstrip provides access to the forested land. This can be seen on Appendix A.

Property Boundaries

This property is bounded on the west by the Western Rd., the south by the Central Prince Grasslands Co-Operative Association and private land, and the east in part by private land and in part by the Central Prince Grasslands Co-Operative Association. Harts Gravel Rd. borders the north except for a section to the east which is bordered by private land. Within the property, there are two parcels of private land; namely 20901 and 1060672.

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 two four-wheel drive forestry fire trucks housed at each of the Wellington and West Point Fire Departments. These heavy-duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire trucks, off road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available if needed. There are no water sources on the property for forest fire suppression activities.

Planting and Silviculture

There are seven 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 -](http://www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-_final.pdf)

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

Table 1. Proposed Treatment Summary

Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed (ha)	2018 Eco-Manual Reference	Comments	Goals
ST 35944 ST 35046 ST 461135 ST 461421 ST 454691 ST 35014 ST 35608 ST 351534 ST 36779	Block Harvest (Salvage)	2023	21.8	Pg. 30	There is a large SW component on this property that is overmature. Fiona Hurricane has blowdown some of the old field white spruce. Leave areas and cover patches will be layed out as per the Eco-manual throughout the harvest site. RM and WA is to be retained.	Salvage overmature and wood hurricane Fiona blowdown
ST 35945	Patch Harvest	2023	0.1	Pg. 29	A haul route will possibly be required through this HW stand requiring harvest on a 10m+ wide strip.	Provide a haul route to the landing area
						(continued)

PN 3140032 ST 451266	Manual Plantation Maintenance	2023	2.6	Pg. 17	Favour quality, maintain diversity (note WA to north).	Maintain diversity, develop quality
ST 35944 ST 35046 ST 461135 ST 461421 ST 454691 ST 35014 ST 355608 ST 351534 ST 36779	Manual Site Preparation and Reforestation	2024	21.8	Pg. 14, 16	Plant WS on the old field sites and BS/WP/RS on areas suitable for these species. WA can be mixed in on the wetter sites.	Reforest the harvest area
ST 35945	Manual Site Preparation and Reforestation	2024	0.1	Pg. 14, 16	Plant WA if it is available. Otherwise BS.	Reforest the site
PN 3140031 (ST 35943) PN 3060061 (ST 461324) PN 3060062 (ST 461322)	Manual Maintenance/Pre- commercial Thin	2025	4.6	Pg. 17, 22	There is a thick ingress of BF on PN 3140031 and LA and BF on the other two PN's. The treatment will be a combination manual maintenance /pre- commercial thinning and will varying throughout the sites.	Provide growing space for selected crop trees
ST 35945	Manual Plantation Maintenance	2027	0.1	Pg. 17	Eliminate undesirable competing vegetation	Improve growth of crop trees
ST 35944 ST 35046 ST 461135 ST 461421 ST 454691 ST 35014 ST 35608 ST 351534 ST 36779	Manual Plantation Maintenance	2028	21.8	Pg. 17	Eliminate undesirable competing vegetation	Improve growth of crop trees
PN 3020111 (ST 351091)	Block Harvest (modified)	2031	1.6	Pg. 30	Harvest the GB when it is of merchantable size. Keep the RP until it matures.	Harvest GB to diversify the stand structure
PN 3020111 (ST 351091)	Manual Site Preparation and Reforestation	2032	1.6	Pg. 14, 16	Plant a mix of species WP, WA, WS, BS to create a diverse stand.	Reforest and diversify species on- site
PN 3020111 (ST 351091)	Manual Plantation Maintenance	2035	1.6	Pg. 17	It is expected that two or more plantation maintenances will be required.	Improve growth of crop trees

Appendices

**PROPERTY 428748
MOUNT PLEASANT**

LEGEND:

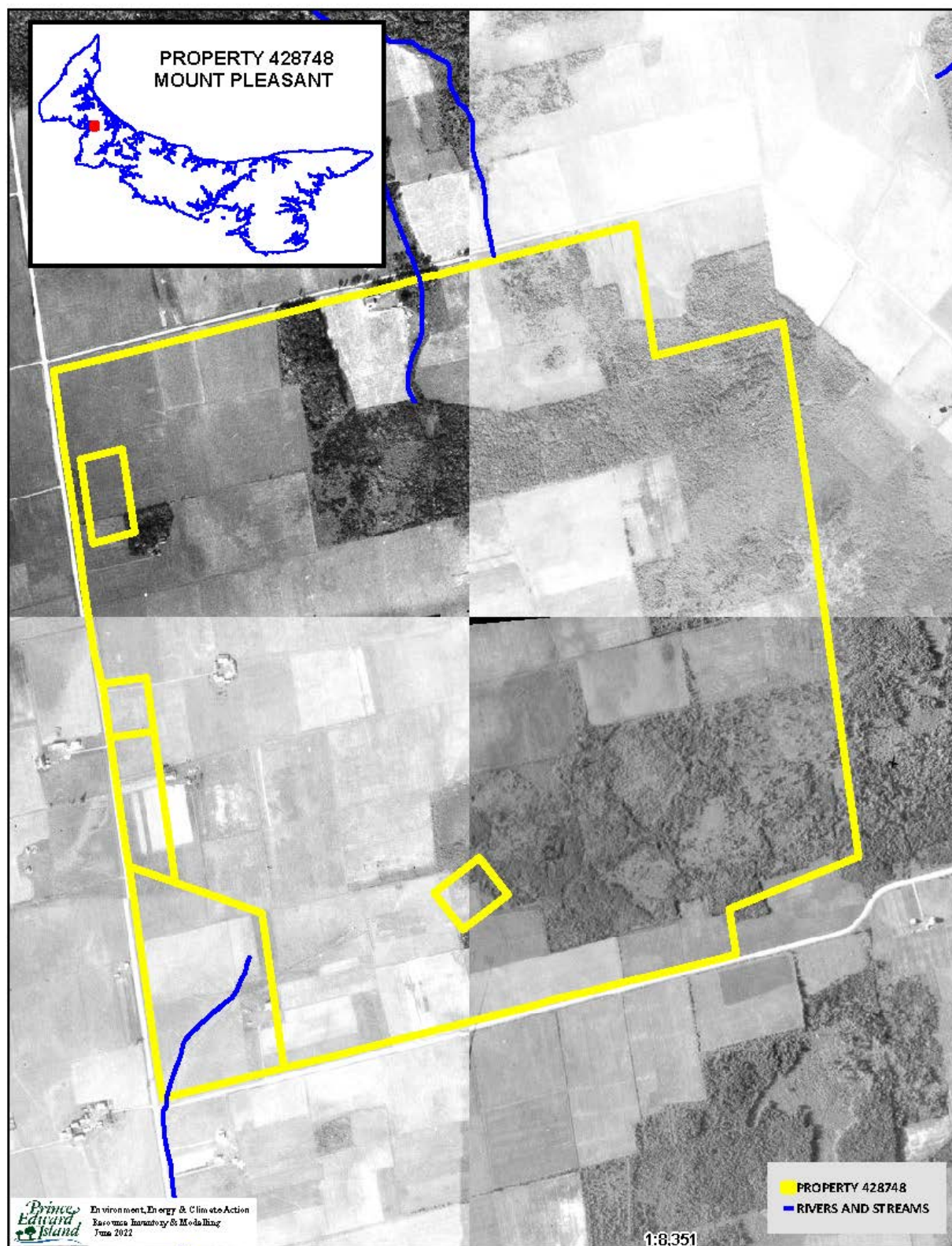
- PROPERTY 428748
- PROPERTY
- CLUI
- WETLANDS
- PEI 15 METER BUFFER
- RIVERS AND STREAMS
- FOREST ROADS
- PUBLIC-PAVED
- PUBLIC-UNPAVED
- PRIVATE-PAVED
- PRIVATE-UNPAVED

Scale: 1:8,351

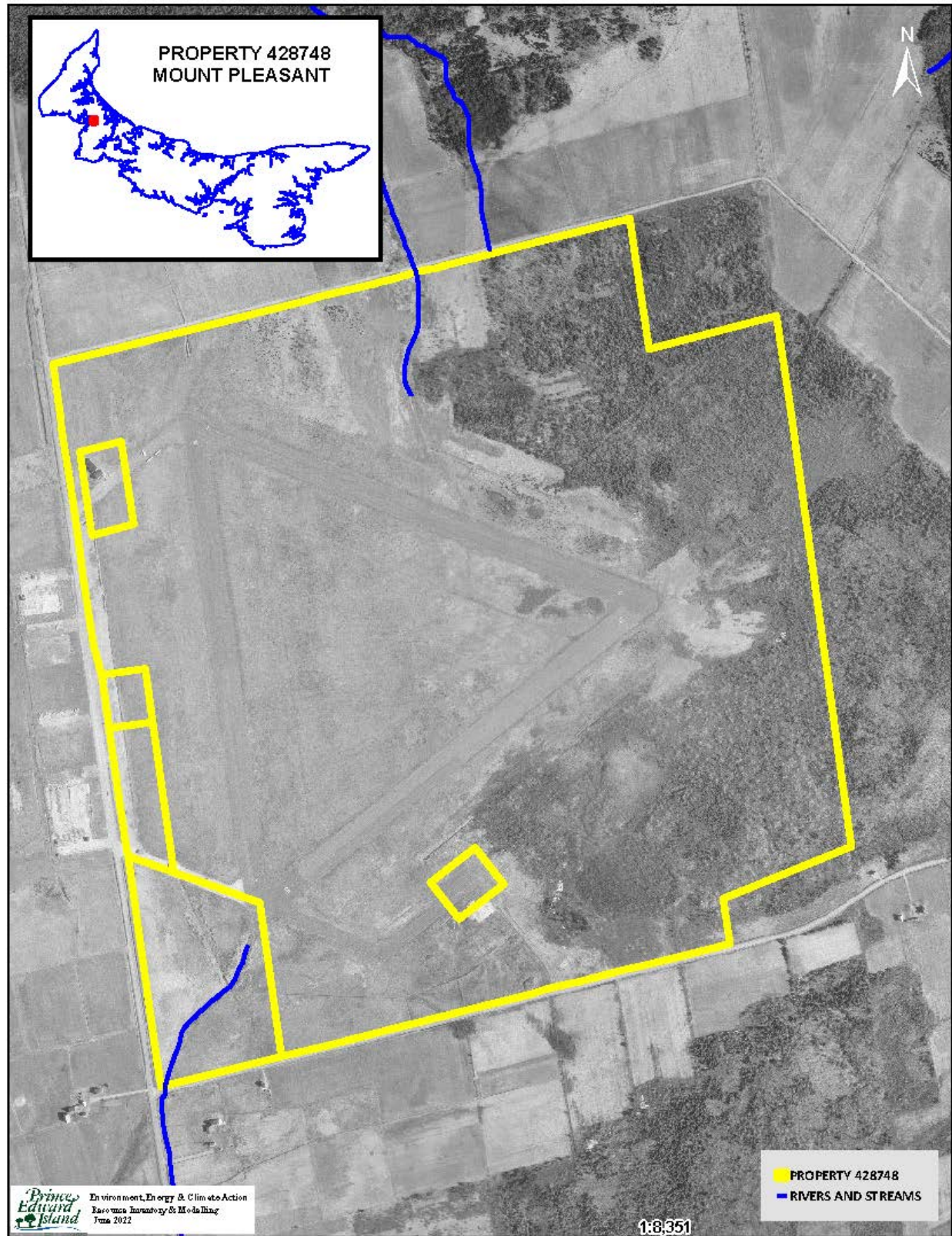
Inset Map: Prince Edward Island

Map Labels: WESTERN RD - RTE 2, ELLERSLIE RD - RTE 133, Harb's Gravel Rd, Western Rd, Ellerslie Rd, 0351448, 0351449, 0351430, 0351431, 0351432, 0351433, 0351434, 0351435, 0351436, 0351437, 0351438, 0351439, 0351440, 0351441, 0351442, 0351443, 0351444, 0351445, 0351446, 0351447, 0351448, 0351449, 0351450, 0351451, 0351452, 0351453, 0351454, 0351455, 0351456, 0351457, 0351458, 0351459, 0351460, 0351461, 0351462, 0351463, 0351464, 0351465, 0351466, 0351467, 0351468, 0351469, 0351470, 0351471, 0351472, 0351473, 0351474, 0351475, 0351476, 0351477, 0351478, 0351479, 0351480, 0351481, 0351482, 0351483, 0351484, 0351485, 0351486, 0351487, 0351488, 0351489, 0351490, 0351491, 0351492, 0351493, 0351494, 0351495, 0351496, 0351497, 0351498, 0351499, 0351500, 0351501, 0351502, 0351503, 0351504, 0351505, 0351506, 0351507, 0351508, 0351509, 0351510, 0351511, 0351512, 0351513, 0351514, 0351515, 0351516, 0351517, 0351518, 0351519, 0351520, 0351521, 0351522, 0351523, 0351524, 0351525, 0351526, 0351527, 0351528, 0351529, 0351530, 0351531, 0351532, 0351533, 0351534, 0351535, 0351536, 0351537, 0351538, 0351539, 0351540, 0351541, 0351542, 0351543, 0351544, 0351545, 0351546, 0351547, 0351548, 0351549, 0351550, 0351551, 0351552, 0351553, 0351554, 0351555, 0351556, 0351557, 0351558, 0351559, 0351560, 0351561, 0351562, 0351563, 0351564, 0351565, 0351566, 0351567, 0351568, 0351569, 0351570, 0351571, 0351572, 0351573, 0351574, 0351575, 0351576, 0351577, 0351578, 0351579, 0351580, 0351581, 0351582, 0351583, 0351584, 0351585, 0351586, 0351587, 0351588, 0351589, 0351590, 0351591, 0351592, 0351593, 0351594, 0351595, 0351596, 0351597, 0351598, 0351599, 0351600, 0351601, 0351602, 0351603, 0351604, 0351605, 0351606, 0351607, 0351608, 0351609, 0351610, 0351611, 0351612, 0351613, 0351614, 0351615, 0351616, 0351617, 0351618, 0351619, 0351620, 0351621, 0351622, 0351623, 0351624, 0351625, 0351626, 0351627, 0351628, 0351629, 0351630, 0351631, 0351632, 0351633, 0351634, 0351635, 0351636, 0351637, 0351638, 0351639, 0351640, 0351641, 0351642, 0351643, 0351644, 0351645, 0351646, 0351647, 0351648, 0351649, 0351650, 0351651, 0351652, 0351653, 0351654, 0351655, 0351656, 0351657, 0351658, 0351659, 0351660, 0351661, 0351662, 0351663, 0351664, 0351665, 0351666, 0351667, 0351668, 0351669, 0351670, 0351671, 0351672, 0351673, 0351674, 0351675, 0351676, 0351677, 0351678, 0351679, 0351680, 0351681, 0351682, 0351683, 0351684, 0351685, 0351686, 0351687, 0351688, 0351689, 0351690, 0351691, 0351692, 0351693, 0351694, 0351695, 0351696, 0351697, 0351698, 0351699, 0351700, 0351701, 0351702, 0351703, 0351704, 0351705, 0351706, 0351707, 0351708, 0351709, 0351710, 0351711, 0351712, 0351713, 0351714, 0351715, 0351716, 0351717, 0351718, 0351719, 0351720, 0351721, 0351722, 0351723, 0351724, 0351725, 0351726, 0351727, 0351728, 0351729, 0351730, 0351731, 0351732, 0351733, 0351734, 0351735, 0351736, 0351737, 0351738, 0351739, 0351740, 0351741, 0351742, 0351743, 0351744, 0351745, 0351746, 0351747, 0351748, 0351749, 0351750, 0351751, 0351752, 0351753, 0351754, 0351755, 0351756, 0351757, 0351758, 0351759, 0351760, 0351761, 0351762, 0351763, 0351764, 0351765, 0351766, 0351767, 0351768, 0351769, 0351770, 0351771, 0351772, 0351773, 0351774, 0351775, 0351776, 0351777, 0351778, 0351779, 0351780, 0351781, 0351782, 0351783, 0351784, 0351785, 0351786, 0351787, 0351788, 0351789, 0351790, 0351791, 0351792, 0351793, 0351794, 0351795, 0351796, 0351797, 0351798, 0351799, 0351800, 0351801, 0351802, 0351803, 0351804, 0351805, 0351806, 0351807, 0351808, 0351809, 0351810, 0351811, 0351812, 0351813, 0351814, 0351815, 0351816, 0351817, 0351818, 0351819, 0351820, 0351821, 0351822, 0351823, 0351824, 0351825, 0351826, 0351827, 0351828, 0351829, 0351830, 0351831, 0351832, 0351833, 0351834, 0351835, 0351836, 0351837, 0351838, 0351839, 0351840, 0351841, 0351842, 0351843, 0351844, 0351

Appendix B. 1935 Aerial Photography



Appendix C. 1968 Aerial Photography



Appendix D. 2010 Corporate Land Use Inventory

FIELDID	COV1	PER1	COV2	PER2	COV3	PER3	COV4	PER4	COV5	PER5	HEIGHT	HA
035045	WS	7.00	WB	1.00	LA	1.00	BF	1.00		0.00	11.00	0.61
035014	WS	7.00	BF	2.00	PO	1.00		0.00		0.00	16.00	1.52
035046	WS	5.00	WB	2.00	RM	2.00	LA	1.00		0.00	16.00	2.58
035943	RM	3.00	PO	2.00	WS	2.00	BF	2.00	RS	1.00	16.00	3.58
035944	WS	9.00	LA	1.00		0.00		0.00		0.00	18.00	2.93
035990	WS	5.00	RM	2.00	PO	1.00	WB	1.00	LA	1.00	6.00	0.64
0351091	RP	10.00		0.00		0.00		0.00		0.00	0.00	1.47
045135	WS	7.00	BF	2.00	RM	1.00		0.00		0.00	16.00	0.44
0451266	WS	4.00	PO	2.00	RS	2.00	RM	1.00	WB	1.00	18.00	4.50
0461135	WS	6.00	RS	2.00	BF	1.00	RM	1.00		0.00	16.00	4.91
0461322	LA	10.00		0.00		0.00		0.00		0.00	0.00	0.89
0461324	RP	10.00		0.00		0.00		0.00		0.00	0.00	0.33
0461421	WS	6.00	RS	2.00	BF	1.00	RM	1.00		0.00	16.00	4.14
0451691	WS	6.00	PO	1.00	WB	1.00	DT	1.00	BF	1.00	20.00	1.14
036916	WS	3.00	RS	2.00	RM	2.00	PO	2.00	LA	1.00	13.00	2.73
046522	LA	6.00	WB	2.00	RM	1.00	RS	1.00		0.00	9.00	0.68
036920	AL	7.00	PO	1.00	LA	1.00	WB	1.00		0.00	6.00	2.55
035250	RM	3.00	AL	3.00	WS	2.00	LA	1.00	SM	1.00	10.00	2.84
0461420	CC	10.00		0.00		0.00		0.00		0.00	0.00	0.03
035608	PO	4.00	WS	3.00	RM	2.00	LA	1.00		0.00	15.00	3.25
035945	AL	6.00	PO	1.00	WB	1.00	WS	1.00	RM	1.00	4.00	9.41
035947	CC	10.00		0.00		0.00		0.00		0.00	0.00	4.78
0351430	CC	10.00		0.00		0.00		0.00		0.00	0.00	0.71
0351534	AL	6.00	WS	2.00	LA	1.00	RM	1.00		0.00	4.00	4.30
0351077	RM	3.00	PO	3.00	WS	2.00	WB	1.00	EM	1.00	17.00	1.75
035754	PO	4.00	RM	2.00	WB	2.00	PC	1.00	BF	1.00	8.00	1.33
045833	PO	6.00	WB	2.00	RM	1.00	WS	1.00		0.00	20.00	0.92
045191	CC	10.00		0.00		0.00		0.00		0.00	0.00	0.09
046209	RM	5.00	PO	3.00	RS	1.00	BF	1.00		0.00	17.00	0.12
0451442	AL	7.00	NS	3.00		0.00		0.00		0.00	3.00	0.02
046362	PO	4.00	RM	3.00	RS	1.00	WB	1.00	LA	1.00	16.00	2.00
046530	RM	4.00	PO	4.00	WS	1.00	WB	1.00		0.00	14.00	0.03
046529	RM	3.00	RS	3.00	PO	2.00	BF	1.00	WB	1.00	13.00	0.00
0461134	RM	4.00	WS	3.00	EM	1.00	WB	1.00	YB	1.00	15.00	0.69
046184	RM	3.00	PO	3.00	BS	2.00	WB	2.00		0.00	5.00	5.82
046048	PO	4.00	RM	3.00	WB	2.00	NS	1.00		0.00	6.00	4.17
0361256	GB	5.00	PO	4.00	RM	1.00		0.00		0.00	20.00	2.79
0461691	RM	5.00	PO	2.00	WS	1.00	BE	1.00	WB	1.00	14.00	0.72
045644	BS	8.00	LA	1.00	BF	1.00		0.00		0.00	9.00	0.12
036918	BS	3.00	PO	3.00	RM	2.00	LA	2.00		0.00	6.00	4.10

Appendix E. Forest Inventory Codes

EXPLANATION OF FOREST 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		

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
WF	Wind Fall	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 Maple40%

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 over lay 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	Agricultural Land
EP	Excavation Pit	SD	Sand Dune
PL	Power Line	UR	Urban
C	Cemetery	WW	Water

FOREST GROUND CONDITION

SW	Wet – Swampy
ST	Steep
SY	Sandy

Appendix F. Stand Tally Sheets from on the Ground Assessment

STAND TALLY SHEET															
CRUISER		S. Rankin			STAND #		35045			PLANTATION #					
PROPERTY #		428748			AREA		0.6 ha			Date		15 / 9 / 2022			
										D M Y					
SAMPLE TREE INFORMATION															
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT					
1	LA	36	18	13		4									
2						5									
3						6									
STAND INFORMATION															
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha		HWSL	
Species and (%)		LA5		% PO1		% GB2		% RM1		(WSBF)1					
Even-aged		X		Uneven-aged								Biomass			
Slope		level		% Aspect											
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		400		HW		400							
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:		red osier dogwood, goldenrod, queen anne's lace, woody shrubs, alder raspberry, other herbaceous.													
Ground Hemlock		Y / N		X											
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		X		Moderate				Good		Excellent			
Erosion Control Required		N		Y / N											
Snag Trees:		Adequate		X		Inadequate									
Coarse Woody Material:		Adequate		N		Inadequate									
Dens		N		Nests (Raptors, songbirds, etc.)		N									
Wildlife Observed		None													
Comments															
STAND PRESCRIPTION															
No Treatment				X		Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut						Selection Cut				Patch Cut				Strip Cut	
Commercial Thinning						Afforestation				Site Preparation					
Pre-commercial Thinning						Reforestation				Riparian Zone Mgmt					
Pln. Maint.		Y / N				Stems/Ha									
Comments:		This is an open stand of LA with some HW mixed in. It serves as a windbreak for an adjacent building; therefore, no work is recommended. Leave it as it is.													

STAND TALLY SHEET															
CRUISER		S. Rankin			STAND #		351534 & 36779			PLANTATION #					
PROPERTY #		428748			AREA		5.6 ha			Date		15 / 9 / 2022			
										D		M Y			
SAMPLE TREE INFORMATION															
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT					
1	LA	37	12	11		4									
2						5									
3						6									
STAND INFORMATION															
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha		HWSL	
Species and (%)		AL6 %		WSLA1 %		GB1 %		GB1 %		(RMPOBFPC)1					
Even-aged		X		Uneven-aged								Biomass			
Slope level		% 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		X		Fully Stocked				Overstocked				Patchy	
Density:		SW		600		HW		500		in pockets					
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, grass, woody shrubs, fireweed, rose, raspberry, other herbaceous.													
Ground Hemlock		Y / N		X											
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		X		Moderate				Good				Excellent	
Erosion Control Required		N		Y / N											
Snag Trees:		Adequate		X		Inadequate									
Coarse Woody Material:		Adequate				Inadequate		X							
Dens		N		Nests (Raptors, songbirds, etc.)		N									
Wildlife Observed		None													
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:		These are old fields that are slowly reverting to forest. It is mostly covered in alder/woody shrubs with some pockets of standing trees. Harvest a couple of the SW pockets on the north of the stands in conjunction with other harvest operations on the property. Plant WS.													

STAND TALLY SHEET														
CRUISER		S. Rankin		STAND #		35608		PLANTATION #						
PROPERTY #		428748		AREA		3.2 ha		Date	27 /	6 /	2022			
									D	M	Y			
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	WS	52	36	17		4								
2	PO	52	38	18		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 (%)	WS2	%	LA2	%	PO3	%	RM2	%	WB1, WA, YB					
Even-aged	X		Uneven-aged						Biomass					
Slope		%	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		X			
Stand Stocking:	Understocked			Fully Stocked		X	Overstocked		Patchy					
Density:	SW	400	HW	1,400										
Advanced Regeneration:	Understocked		X	Fully Stocked			Overstocked		Patchy		X			
Regeneration:	1. Spp. RM		Height		0.2-3.0m		2. Spp. PO		Height		0.5-3.0m			
	3. Spp. WA		Height		0.7-1.5m		4. Spp.		Height					
GROUND OBSERVATIONS														
Ground Vegetation Species Present:				dewberry, golden rod, wild lily of the valley, raspberry, bunch berry, alder, hazelnut, elderberry, red osier dogwood, grass, bracken fern, sensitive fern, other herbaceous, woody shrubs.										
Ground Hemlock				Y / N	X									
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	X	Moderate		Good		Excellent		Erosion Control Required		N	Y / N		
Snag Trees:	Adequate	X	Inadequate											
Coarse Woody Material:	Adequate	X	Inadequate											
Dens		Nests (Raptors, songbirds, etc.)												
Wildlife Observed	Heard Squirrels													
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:	This is a HW stand with a mix of WS/LA. There is not enough SW to make this an economical harvest but it is possible to chase the SW in conjunction with other harvest operations on the property. The PO and WB can be harvested as well if there is a market. Retain RM, WA and YB. Plant WA/WP if available. Otherwise plant WS.													

STAND TALLY SHEET														
CRUISER		S. Rankin		STAND #		35014		PLANTATION #						
PROPERTY #		428748		AREA		1.5 ha		Date		27 / 6 / 2022				
										D M Y				
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	WS	52	36	17		4								
2						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 (%)		WS3	%	LA2	%	PO2	%	RM2	%	WB1, WA, YB, BF				
Even-aged		X	Uneven-aged						Biomass					
Slope			%	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		X			
Stand Stocking:		Understocked		Fully Stocked		X		Overstocked		Patchy				
Density:		SW	1,000	HW	600									
Advanced Regeneration:		Understocked		X		Fully Stocked		Overstocked		Patchy		X		
Regeneration:		1. Spp. RM		Height 0.2-3.0m		2. Spp. PO		Height 0.5-3.0m						
		3. Spp. WA		Height 0.7-1.5m		4. Spp.		Height						
GROUND OBSERVATIONS														
Ground Vegetation Species Present:				dewberry, golden rod, wild lily of the valley, raspberry, bunch berry, alder, hazelnut, elderberry, red osier dogwood, grass, bracken fern, sensitive fern, other herbaceous, woody shrubs.										
Ground Hemlock				Y / N	X									
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	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		None 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		X		Riparian Zone Mgmt						
Pln. Maint.		X	Y / N	Stems/Ha										
Comments:		This is a mixed wood stand with the SW in decline, dead, or dying. Harvest the stand as soon as possible. Plant WA if available along with WS and WP.												

STAND TALLY SHEET														
CRUISER		S. Rankin		STAND #		35946		PLANTATION #						
PROPERTY #		428748		AREA		3.4 ha		Date	27 /	6 /	2022			
								D	M	Y				
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	PO		21	15		4								
2						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 (%)	open	%		%		%	WSLARMGB							
Even-aged	X	Uneven-aged						Biomass						
Slope	level	%	Aspect											
Stand Origin:	Old Field	X	Partial Cut			Burn			Unploughed					
	Windfall		Non Forest						Ploughed					
	Clear Cut		Unknown											
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature							
Stand Stocking:	Understocked		Fully Stocked		Overstocked		Patchy							
Density:	SW		HW											
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:				rose, red osier dogwood, golden rod, grasses, other herbaceous, nettle, hawkweed, alder										
Ground Hemlock				Y / N	X									
Invasive Species Present				Y / N	If yes then what species:									
Site Indicators				Y / N	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS														
Water Course	Y	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		Inadequate		X									
Coarse Woody Material:	Adequate		Inadequate		X									
Dens	N	Nests (Raptors, songbirds, etc.)		N										
Wildlife Observed	None observed													
Comments														
STAND PRESCRIPTION														
No Treatment		X	Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut							
Commercial Thinning			Afforestation		Site Preparation									
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt									
Pln. Maint.	Y / N		Stems/Ha											
Comments:	This is an abandoned field. There are a few scattered SW/HW trees to the S/SE. Leave this open area as is. Vegetation is severe and not suited to planting at this time. It is expected to revert to forest over naturally over time.													

STAND TALLY SHEET															
CRUISER		S. Rankin			STAND #		35943			PLANTATION #		3140031			
PROPERTY #		428748			AREA		3.6 ha			Date		20 / 9 / 2022			
												D M Y			
SAMPLE TREE INFORMATION															
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT					
1	BF/WP	9	1-4cm	0.3-4.0m		4									
2	RM		28	16		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 (%)		BF6	%	WP1	%	BS1	%	GBPO2	%	RM, Stripped Maple		vets RM, WB, PO			
Even-aged				Uneven-aged	X	2 aged						Biomass			
Slope level		%	Aspect												
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed							
		Windfall		Non Forest				Ploughed							
		Clear Cut		X	Unknown										
Stand Maturity Class:		Regeneration		X	Immature		Mature		Over-mature		X				
Stand Stocking:		Understocked		Fully Stocked		Overstocked		X	Patchy						
Density:		SW	20,000	HW	800										
Advanced Regeneration:		Understocked		Fully Stocked		Overstocked		X	Patchy						
Regeneration:		1. Spp. BF		Height 0.3-4.0m		2. Spp. PO		Height 0.5-3.0m							
		3. Spp. GB		Height 0.5-3.0m		4. Spp.		Height							
GROUND OBSERVATIONS															
Ground Vegetation Species Present:		bunch berry, dewberry, bracken fern, wood shrubs, raspberry, grasses, aster													
Ground Hemlock		Y / N	X												
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	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		None													
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		X		Reforestation				Riparian Zone Mgmt							
Pln. Maint.		X	Y / N	Stems/Ha											
Comments:		This PN has a canopy of RM/WB with some open areas to the east. It was planted with WP. The WP is doing well in areas where there is little canopy. Under the canopy the WP is sparse and height and growth not as robust. There is a thick carpet of BF through most of the stand that will contribute to the final stand density. On average it is about 1.5 m tall. A PCT/Maintenance can be conducted.													

STAND TALLY SHEET														
CRUISER		S. Rankin			STAND #		35944			PLANTATION #				
PROPERTY #		428748			AREA		2.9 ha			Date		27 / 6 / 2022		
										D		M Y		
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	WS	55	36	19		4								
2	RM	55	10	7		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 (%)		WS9	%	RM1	%	WB	%	PC						
Even-aged		X	Uneven-aged							Biomass				
Slope		level	%	Aspect										
Stand Origin:		Old Field	X	Partial Cut		Burn		Unploughed						
		Windfall		Non Forest				Ploughed						
		Clear Cut		Unknown										
Stand Maturity Class:		Regeneration			Immature			Mature			Over-mature X			
Stand Stocking:		Understocked			Fully Stocked			Overstocked			Patchy			
Density:		SW	1,000	HW	50									
Advanced Regeneration:		Understocked X			Fully Stocked			Overstocked			Patchy X			
Regeneration:		1. Spp. RM1			Height 1.5-3.5m			2. Spp.			Height			
		3. Spp. WA			Height 1.5-3.5m			4. Spp.			Height			
GROUND OBSERVATIONS														
Ground Vegetation Species Present:		bunch berry, dewberry, grass, hazelnut, crested wood fern, fireweed, raspberry, alder, horsetail, sarsaparilla, other herbaceous, woody shrubs												
Ground Hemlock		Y / N	X											
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 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		None 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		X	Riparian Zone Mgmt								
Pln. Maint.		X	Y / N		Stems/Ha									
Comments:		This is an old field WS stand that is ready to be harvested. Many trees are open grown. There are small openings of alder and RM throughout. Blowdown from Fiona has occurred on approximately 40-50 percent of the stand. Harvest and plant WS and WP.												

STAND TALLY SHEET													
CRUISER		S. Rankin		STAND #		35945-north tip		PLANTATION #					
PROPERTY #		428748		AREA		1.4 ha		Date		27 / 6 / 2022			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	PO	35	36	19		4							
2	RM	40	9	8		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 (%)		PO9	%	RM1	%		%						
Even-aged		X	Uneven-aged		Biomass								
Slope level		%	Aspect										
Stand Origin:		Old Field		Partial Cut		X	Burn		Unploughed				
		Windfall		Non Forest					Ploughed				
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		X	Mature		X	Over-mature			
Stand Stocking:		Understocked		X	Fully Stocked			Overstocked		Patchy			
Density:		SW	100	HW	800								
Advanced Regeneration:		Understocked		X	Fully Stocked			Overstocked		Patchy X			
Regeneration:		1. Spp. BF		Height		0.3-1.5m		2. Spp.		Height			
		3. Spp. RM1		Height		0.1-9.0m		4. Spp.		Height			
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				start flower, blueberry, wild lily of the valley, red osier dogwood, ferns									
				golden rod, hazel nut, dewberry, willow, other herbaceous, woody shrubs									
Ground Hemlock				Y / N	X	alder, woody shrubs							
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	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		None observed											
Comments													
STAND PRESCRIPTION													
No Treatment				Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut				Selection Cut				Patch Cut		X		Strip Cut	
Commercial Thinning				Afforestation				Site Preparation		X			
Pre-commercial Thinning				Reforestation		X		Riparian Zone Mgmt					
Pln. Maint.		X	Y / N	Stems/Ha									
Comments:		This is an open area that has regenerated to HW. It is expected that wood will be hauled through this stand; therefore, it will be partially cut. Retain the RM to the extent possible. Plant WA, WS.											
		For the most part this stand will remain as is.											

STAND TALLY SHEET															
CRUISER		S. Rankin			STAND #		45833			PLANTATION #					
PROPERTY #		428748			AREA		0.9 ha			Date		27 / 6 / 2022			
										D		M		Y	
SAMPLE TREE INFORMATION															
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT					
1	RM	52	30	18		4									
2	RM		10	8		5									
3						6									
STAND INFORMATION															
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha		HWSL	
Species and (%)		RM8 %		PO2 %		WB %									
Even-aged		Uneven-aged		X		2 aged						Biomass			
Slope depress %		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		X		Overstocked				Patchy	
Density:		SW		50		HW		2,600							
Advanced Regeneration:		Understocked		X		Fully Stocked				Overstocked				Patchy	
Regeneration:		1. Spp. RM		Height		0.3-6.0m		2. Spp.		Height					
		3. Spp. PO		Height		0.4-3.0m		4. Spp.		Height					
GROUND OBSERVATIONS															
Ground Vegetation Species Present:		bunch berry, dewberry, sensitive fern, hazelnut, ferns													
Ground Hemlock		Y / N		X											
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	
Drainage:		Poor		N		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		None observed													
Comments															
STAND PRESCRIPTION															
No Treatment				X		Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut						Selection Cut				Patch Cut				Strip Cut	
Commercial Thinning						Afforestation				Site Preparation					
Pre-commercial Thinning						Reforestation				Riparian Zone Mgmt					
Pln. Maint.		Y / N				Stems/Ha									
Comments:		This is a HW stand but is a very wet area composed of hardwood. Keep machines out of this area.													
		Haulroute is to go around it.													

STAND TALLY SHEET														
CRUISER		S. Rankin			STAND #			461421, 461135, 451691			PLANTATION #			
PROPERTY #		428748			AREA			10.8 ha			Date		27 / 6 / 2022	
											D M Y			
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	BS	82	33	19		4								
2						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 (%)		BSWS8 %	BF1 %	RMWB1 %				WI						
Even-aged		X	Uneven-aged										Biomass	
Slope level %		Aspect												
Stand Origin:		Old Field			Partial Cut			Burn	X	Unploughed				
		Windfall			Non Forest					Ploughed				
		Clear Cut		X	Unknown									
Stand Maturity Class:		Regeneration			Immature			Mature		Over-mature		X		
Stand Stocking:		Understocked			Fully Stocked		X	Overstocked		Patchy				
Density:		SW	2,200	HW	400									
Advanced Regeneration:		Understocked		X	Fully Stocked			Overstocked		Patchy		X		
Regeneration:		1. Spp. RM			Height 0.2-3.0m			2. Spp.			Height			
		3. Spp. BS			Height 0.3-0.6m			4. Spp.			Height			
GROUND OBSERVATIONS														
Ground Vegetation Species Present:					bunch berry, blueberry, wild raisin, hazelnut, bracken fern, yellow clintonia, sarsaparilla, wintergreen, rose									
Ground Hemlock					Y / N	X								
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	Y	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		None observed												
Comments		Apply a 15m buffer along wetland to the south and east												
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:		This is a great stand of BS/WS with some areas mixed with HW. It is healthy and in good form but is overmature. Hurricane Fiona had little effect on it. Harvest within the next few years. There is lots of BSBF (<10 cm) regen in places which can be reassessed post harvest. Plant BS/WS. Mix in a little WP and WA for diversity.												

STAND TALLY SHEET													
CRUISER		J. LeClair		STAND #		461324		PLANTATION # PN 3060061					
PROPERTY #		428748		AREA		0.4 ha		Date		6 / 1 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	RP	16	9.5	5.2		4							
2						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 (%)		RP6	%	BF1	%	WS1	%	WB1	%	1 % GB, PO, LA			
Even-aged		X	Uneven-aged						Biomass				
Slope			%	Aspect									
Stand Origin:		Old Field	X	Partial Cut				Burn			Unploughed		
		Windfall		Non Forest							Ploughed		
		Clear Cut	X	Unknown									
Stand Maturity Class:		Regeneration		X	Immature		X	Mature				Over-mature	
Stand Stocking:		Understocked				Fully Stocked		X	Overstocked				Patchy
Density:		SW		HW									
Advanced Regeneration:		Understocked				Fully Stocked		X	Overstocked				Patchy
Regeneration:		1. Spp. WS		Height		2m		2. Spp. GB		Height		3.5	
		3. Spp. RM		Height		4		4. Spp.		Height			
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		sheep laurel, bunchberry, ferns											
Ground Hemlock			Y / N	X									
Invasive Species Present			Y / N	N	If yes then what species:								
Site Indicators			Y / N	N	If yes then what species:								
ENVIRONMENTAL OBSERVATIONS													
Water Course			Bog		Pond		Stream		Seeps		Beaver Present		Y / N
Drainage:		Poor		Moderate	X	Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate		X							
Coarse Woody Material:		Adequate		Inadequate		X							
Dens			Nests (Raptors, songbirds, etc.)										
Wildlife Observed		snow shoe hare tracks											
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 plantation is quite dense and would benefit from a plantation maintenance in the next two years. Maintenance could release some spruce and fir in the understory to increase the stands biodiversity.											

STAND TALLY SHEET															
CRUISER		J. LeClair			STAND #		461322			PLANTATION #		PN 3060062			
PROPERTY #		428748			AREA		0.6 ha			Date		5 / 1 / 2023			
										D		M Y			
SAMPLE TREE INFORMATION															
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT					
1	LA	16	10	9.1		4									
2						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 (%)		LA 6	%	BF 1	%	WB 1	%	BS1	%	WP GB 1		%			
Even-aged		X		Uneven-aged						Biomass					
Slope				%	Aspect										
Stand Origin:		Old Field		X		Partial Cut				Burn				Unploughed	
		Windfall				Non Forest				Ploughed					
		Clear Cut		X		Unknown									
Stand Maturity Class:		Regeneration		X		Immature		X		Mature				Over-mature	
Stand Stocking:		Understocked				Fully Stocked		X		Overstocked				Patchy	
Density:		SW				HW									
Advanced Regeneration:		Understocked				Fully Stocked		X		Overstocked				Patchy	
Regeneration:		1. Spp. BF 1		Height		3 m				2. Spp. BS		Height		2 m	
		3. Spp.		Height						4. Spp.		Height			
GROUND OBSERVATIONS															
Ground Vegetation Species Present:		wild raisin, sheep laurel, bunchberry													
Ground Hemlock		Y / N		N											
Invasive Species Present		Y / N		N		If yes then what species:									
Site Indicators		Y / N		N		If yes then what species:									
ENVIRONMENTAL OBSERVATIONS															
Water Course		Bog		Pond		Stream		Seeps		Beaver Present		Y / N			
Drainage:		Poor		Moderate		X		Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate		X									
Coarse Woody Material:		Adequate		Inadequate		X									
Dens				Nests (Raptors, songbirds, etc.)											
Wildlife Observed		snow shoe hare tracks													
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.		Y Y / N		Stems/Ha											
Comments:		Fairly thick but larch tallest species. Plantation maintenance done in the next couple years could release spruce and fir in understory increasing biodiversity of the stand.													

STAND TALLY SHEET														
CRUISER		S. Rankin		STAND # 35754, uncut part 351077				PLANTATION #						
PROPERTY #		428748		AREA		1.9 ha		Date		20 / 9 / 2022				
										D M Y				
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	PO		37	17		4								
2	RM		13	11		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 (%)		PO3	%	GB3	%	RM3	%	WBWA1						
Even-aged		X	Uneven-aged		Biomass									
Slope level		%	Aspect											
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed						
		Windfall		Non Forest		Ploughed								
		Clear Cut		X		Unknown								
Stand Maturity Class:		Regeneration		Immature		X		Mature		X		Over-mature		
Stand Stocking:		Understocked		Fully Stocked				Overstocked		X		Patchy		
Density:		SW	10	HW	3,200									
Advanced Regeneration:		Understocked		X		Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp. BF		Height		0.3-4.0m		2. Spp.		Height				
		3. Spp. RM		Height		0.2-1.0m		4. Spp.		Height				
GROUND OBSERVATIONS														
Ground Vegetation Species Present:		dewberry, sarsaparilla, goldenrod, fern, currant, wild strawberry, sensitive fern, other ferns, bunch berry, star flower, woody shrubs												
Ground Hemlock		X	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	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		None observed.												
Comments														
STAND PRESCRIPTION														
No Treatment		X		Regeneration Cut				Crop Tree Release				Block Cut		
Shelterwood Cut				Selection Cut				Patch Cut				Strip Cut		
Commercial Thinning				Afforestation				Site Preparation						
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt						
Pln. Maint.		Y / N		Stems/Ha										
Comments:		This is a HW stand. With limited market for PO and GB no work is recommended at this time. There is RM and WA throughout the stand as well. Reassess for markets and potential harvest in 6-10 yrs.												

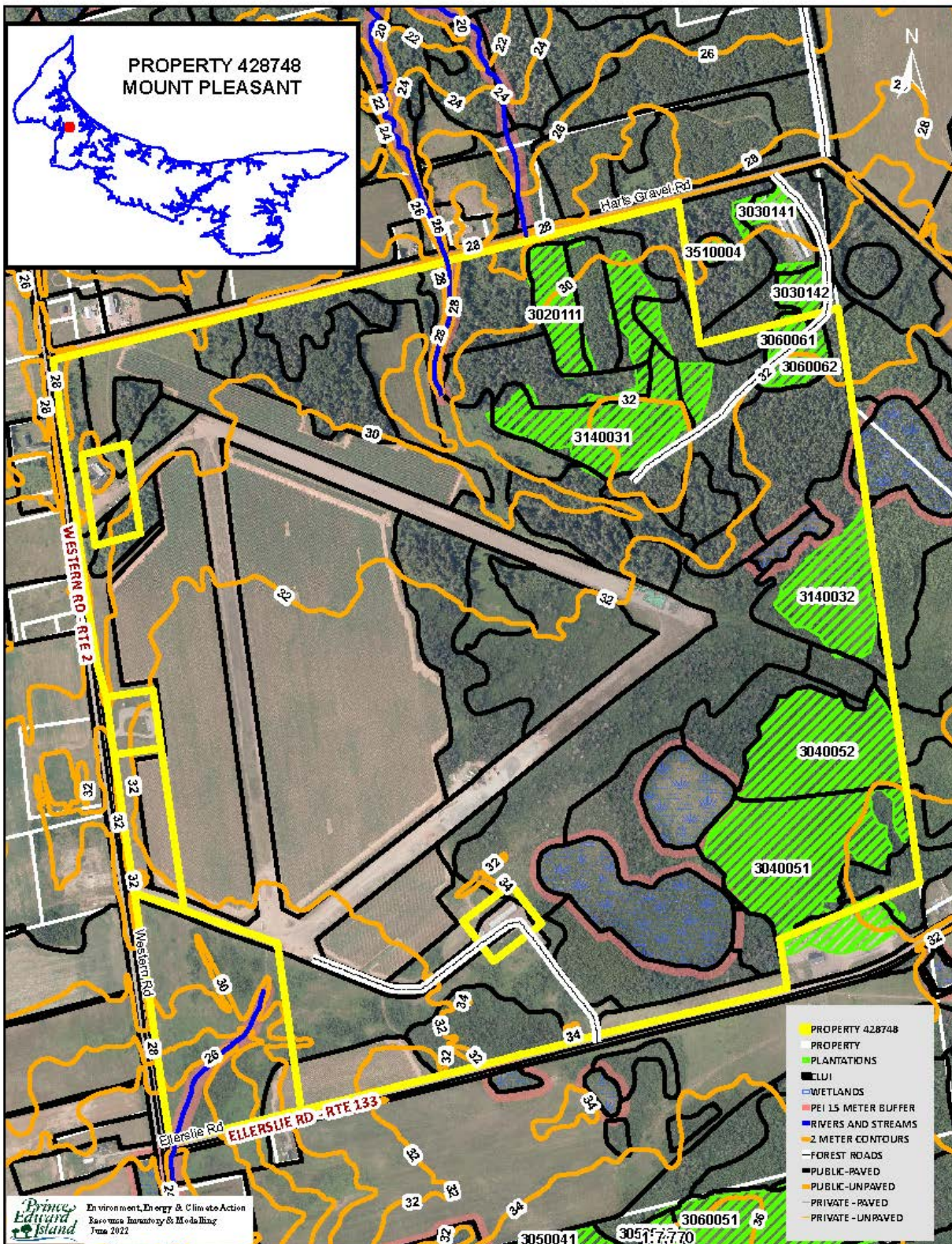
STAND TALLY SHEET													
CRUISER		S. Rankin		STAND #		351091		PLANTATION #		3020111			
PROPERTY #		428748		AREA		1.6 ha		Date		20 / 9 / 2022			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	RP	20	15	8		4							
2						5							
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 (%)	GB4	%	RM3	%	WB1	%	RPWS1	%	WA1, Elm				
Even-aged	X		Uneven-aged									Biomass	
Slope	level	%	Aspect										
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed						
	Windfall	X	Non Forest				Ploughed						
	Clear Cut	X	Unknown										
Stand Maturity Class:	Regeneration		Immature	X	Mature		Over-mature						
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy						
Density:	SW	400	HW	4,800									
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	X					
Regeneration:	1. Spp. WA		Height	0.4-2.5m	2. Spp.		Height						
	3. Spp. BF		Height	0.2-3.0m	4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				Sarsaparilla, false lily, bracken ferns, red osier dogwood, alder, hazelnut dewberry, star flower, fern, sensitive fen, aster, yellow clintonia, fireweed									
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	X	Moderate		Good		Excellent		Erosion Control Required		Y / N		
Snag Trees:	Adequate	X	Inadequate										
Coarse Woody Material:	Adequate	X	Inadequate										
Dens	N	Nests (Raptors, songbirds, etc.)	N										
Wildlife Observed	None 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	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha									
Comments:				This is an unsuccessful RP plantation. RP density increases towards the south of the stand. Most of the stand is GBRM. Some WA is present in the stand. This stand is immature. Harvest in 8-10 yrs time when the GB is of merchantable size. Retain RM, WA and Elm. This is a good site for the crew.									

STAND TALLY SHEET														
CRUISER		S. Rankin			STAND #		35046			PLANTATION #				
PROPERTY #		428748			AREA		2.6 ha			Date		20 / 9 / 2022		
										D M Y				
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	WS	65	38	18		4								
2						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 (%)	WS3	%	PO4	%	RM2	%	WB1	%	WA, MASH					
Even-aged	X		Uneven-aged									Biomass		
Slope	level	%	3											
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed							
	Windfall		Non Forest				Ploughed							
	Clear Cut		Unknown											
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature		X					
Stand Stocking:	Understocked		Fully Stocked		X		Overstocked		Patchy					
Density:	SW	800	HW	800										
Advanced Regeneration:	Understocked		Fully Stocked		X		Overstocked		Patchy					
Regeneration:	1. Spp.	RM	Height	0.5-4.0m	2. Spp.		Height							
	3. Spp.		Height		4. Spp.		Height							
GROUND OBSERVATIONS														
Ground Vegetation Species Present:			ferns, alder, dewberry, yellow clintonia, hazelnut, bunch berry, raspberry, woody shrubs, sensitive fern, wild lily											
Ground Hemlock	Y / N	X												
Invasive Species Present	Y / N		If yes then what species:											
Site Indicators	Y / N		If yes then what species:											
ENVIRONMENTAL OBSERVATIONS														
Water Course	Y	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	None observed													
Comments	Apply a 15m riparian zone on the watercourse.													
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:	This is an OF WS stand with large overmature WS. They are in decline and dying. Fiona has had some impact on the stand. Harvest as soon as possible. Retain any RM. Plant WA, WS and WP. The site is very rich so plant large stock immediately after harvest.													

STAND TALLY SHEET															
CRUISER		S. Rankin			STAND #		35250			PLANTATION #					
PROPERTY #		428748			AREA		2.8 ha			Date	20 /	9 /	2022		
										D	M	Y			
SAMPLE TREE INFORMATION															
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT					
1	WA		32	15m		4									
2	WA		3	3.0m		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 (%)		WA2	%	PO1	%	RM1	%	GBWB1	%	alder/woody shrubs 5		Apple trees			
Even-aged		Uneven-aged		X								Biomass			
Slope level		%	Aspect												
Stand Origin:		Old Field	X		Partial Cut	X		Burn			Unploughed				
		Windfall			Non Forest						Ploughed				
		Clear Cut			Unknown										
Stand Maturity Class:		Regeneration		X		Immature	X		Mature	X		Over-mature			
Stand Stocking:		Understocked		X		Fully Stocked			Overstocked			Patchy X			
Density:		SW	100		HW	1,600									
Advanced Regeneration:		Understocked		X		Fully Stocked			Overstocked			Patchy X			
Regeneration:		1. Spp. WA		Height 0.5-5.0m		2. Spp.		Height							
		3. Spp. PO		Height 0.5-5.0m		4. Spp.		Height							
GROUND OBSERVATIONS															
Ground Vegetation Species Present:					red osier dogwood, raspberry, spiraea, golden rod, dewberry, ferns, berry bushes, hazelnut, sensitive fern, other ferns, aster, alder, wild raisin										
Ground Hemlock					Y / N	X									
Invasive Species Present					Y / N	If yes then what species:									
Site Indicators					Y / N	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS															
Water Course		Y	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		None observed													
Comments															
STAND PRESCRIPTION															
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut							
Commercial Thinning				Afforestation		Site Preparation									
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt									
Pln. Maint.		Y / N		Stems/Ha											
Comments:		This stand has been partially cut over time. There is a lot of WA in the stand and a lot of WA regeneration in cut areas. The red osier dogwood is 2-3m tall in places. Garbage has been dumped over time including old cars, glassware, plastics, tins. No work is required at this time. Leave as is.													

STAND TALLY SHEET													
CRUISER	L. Stevenson (D. Gavin)			STAND #	451266			PLANTATION #	3140032				
PROPERTY #	428748			AREA	2.59 ha		Date	1 /	2 /	2023			
								D	M	Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WS (pn)	9		2		4							
2	PO	9		3		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 (%)	WS7	%	PO	%	RM	%	WB	%	(WA noted)				
Even-aged	X		Uneven-aged									Biomass	
Slope		%	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		Overstocked	X	Patchy						
Density:	SW		HW										
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:													
Ground Hemlock		Y / N	X										
Invasive Species Present		Y / N			If yes then what species:								
Site Indicators		Y / N			If yes then what species:								
ENVIRONMENTAL OBSERVATIONS													
Water Course		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													
Comments	poorer drainage to northeast, higher central, patches of mature Poplar residuals												
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:	good growing site, patches of aggressive Poplar, was a few White Ash to the north edge (save!),												
	pockets of residual Poplar (trembling Aspen) left in portion, some windfall (work around) providing												
	coarse debris and diversity, original planting through partial type cut to western edge, poorer drain												
	to north, good potential in White Spruce and diverse, save quality naturals for diversity												

Appendix G. Plantation Map with Contour Lines



Appendix H. Work Completed

Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
0	1	0.7	11/30/1992	Class 1 Road Construction
0	110	0.2	3/18/1992	Commercial Softwood< 5000 /Ha
0	111	3	1/15/1993	Commercial Softwood > 5000 /Ha
0	16	0.2	9/14/2005	Misc. Road Maintenance
0	2	100	11/30/1992	Fill
3955141	29	0.72	1/6/1995	Raking Crawler Tractor-Root Rake:per Ha
3020111	29	1.58	1/10/2002	Raking Crawler Tractor-Root Rake:per Ha
0	29	11.1	4/14/2004	Raking Crawler Tractor-Root Rake:per Ha
3140031	30B	7524	6/14/2014	Manual Site Preparation per Site (Hawk)
3140032	30B	4095	6/14/2014	Manual Site Preparation per Site (Hawk)
3030141	37	0.52	1/27/2003	Brush Raking: Rubber Tired Skidder/Ha
3030142	37	0.69	1/27/2003	Brush Raking: Rubber Tired Skidder/Ha
306006	37	1.06	7/19/2006	Brush Raking: Rubber Tired Skidder/Ha
0	3G	2	11/30/1992	Culvert 45cm class 1&2 road
	400A	10	6/29/2012	Chainsaw Training
3120589	400A	1	7/13/2012	Chainsaw Training
	400A	5	9/28/2012	Chainsaw Training
3040051	51W	18648	7/12/2004	BLACK SPRUCE - WESTERN
3020111	53W	4160	6/3/2002	RED PINE - WESTERN
3060061	53W	1170	7/24/2006	RED PINE - WESTERN
3140032	55WI	4095	6/14/2014	INTERPLANT WHITE SPRUCE - WESTERN
3140031	56WI	7524	6/14/2014	INTERPLANT WHITE PINE - WESTERN
3060062	59W	1888	7/24/2006	EASTERN LARCH - WESTERN
3955141	67W	1685	5/26/1995	NORWAY SPRUCE - WESTERN
3030142	67W	2047	7/9/2003	NORWAY SPRUCE - WESTERN
3030141	67W	1480	7/9/2003	NORWAY SPRUCE - WESTERN
3040052	67W	12663	7/12/2004	NORWAY SPRUCE - WESTERN
3955141	82B	0.72	10/7/1996	Herbicide:Broadcast : 1st Treatment
3020111	82B	1.58	10/10/2003	Herbicide:Broadcast : 1st Treatment
3955141	88B	0.68	12/6/2002	Class 2 : Manual : 5001-10000/Ha <6 Metres
3140032	88D	2.7	10/21/2019	Class 4 : Manual : 15001-20000/Ha <6 Metres
3040051	88E	3.48	6/19/2013	Class 5 : Manual : 20001- 25000/Ha <6 Metres
0	91	0.71	12/21/1992	Strip Cut
3955161	92	0.72	3/31/1995	Clearcut Block
3020111	92	1.58	1/7/2002	Clearcut Block
3030141	92	0.52	12/6/2002	Clearcut Block
3030142	92	0.69	12/6/2002	Clearcut Block
3130502	93	2.55	8/11/2013	Patch Cut
3130503	93	1.35	8/11/2013	Patch Cut