

Date: July 25, 2023

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



Woodlot Management Plan

Property Numbers: 219212, 219204 & 804245

Location: Riverdale

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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 #'s 219212, 219204, & 804245 are located on the Bolger Park Road (and Osburne Road) in the community of Riverdale, P.E.I., (Appendix A). The total area of the properties is 69.7 hectares (172 acres) and the midpoint of the properties is Latitude N 46.22830 decimal degrees, Longitude W -63.36279 decimal degrees.

Past Information

Local records and previous aerial photography show that 60% of this landbase (approximately 42 hectares or 104 acres) 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.

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).

***It should be noted that the western portion of PID 219212 between the Bolger Park Road and the West River has been designated under the Natural Area Protections Act. This section was

designated to protect environmental features adjacent to the West River. It is located on a slope and was generally all old-field. There is significant windfall on the slope following Hurricane Fiona. There is no treatments prescribed as part of this management plan for this portion of the properties. It may be left to protect slopes and various environmental values.

Wetland and Watercourses

The western boundary of PID 219212 is found on the West River that eventually flows from north to south to Bonshaw. The central portion of these properties contains a stream and some springs. There is an additional stream to the west with springs. The central tributary flows generally west to east. The stream on the west end of the parcels flows north to south. This observation can be viewed in Appendix A.

Property Access

Access to this property is obtained through the use of a 2 km class 1 woods road that creates a loop from the Bolger Park Road around to the Osburne Road. There is also a class 2 type spur road heading approximately 0.4 km to the west. Although this spur is currently not passable, it may require windfall salvage and upgrades. Ongoing road maintenance will be required to keep the road 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 these roads usable. Existing roads on the property can be seen on Appendix A

Property Boundaries

Property 219212 is bounded on the west by the boundaries of the West River. The northern boundary to the east of PID 219212 is found on the Osburne Road or around adjacent residential lots. The remainder of the boundaries around this group of properties is shared with adjacent privately-owned land.

Fire Protection

This property is located within the jurisdiction of the North River 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 found in Charlottetown and available if needed. The West River that flows to the east of the property would be a suitable site to setup a portable fire pump system. The other small streams may also be used.

Planting and Silviculture

There are 12 mapped 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.

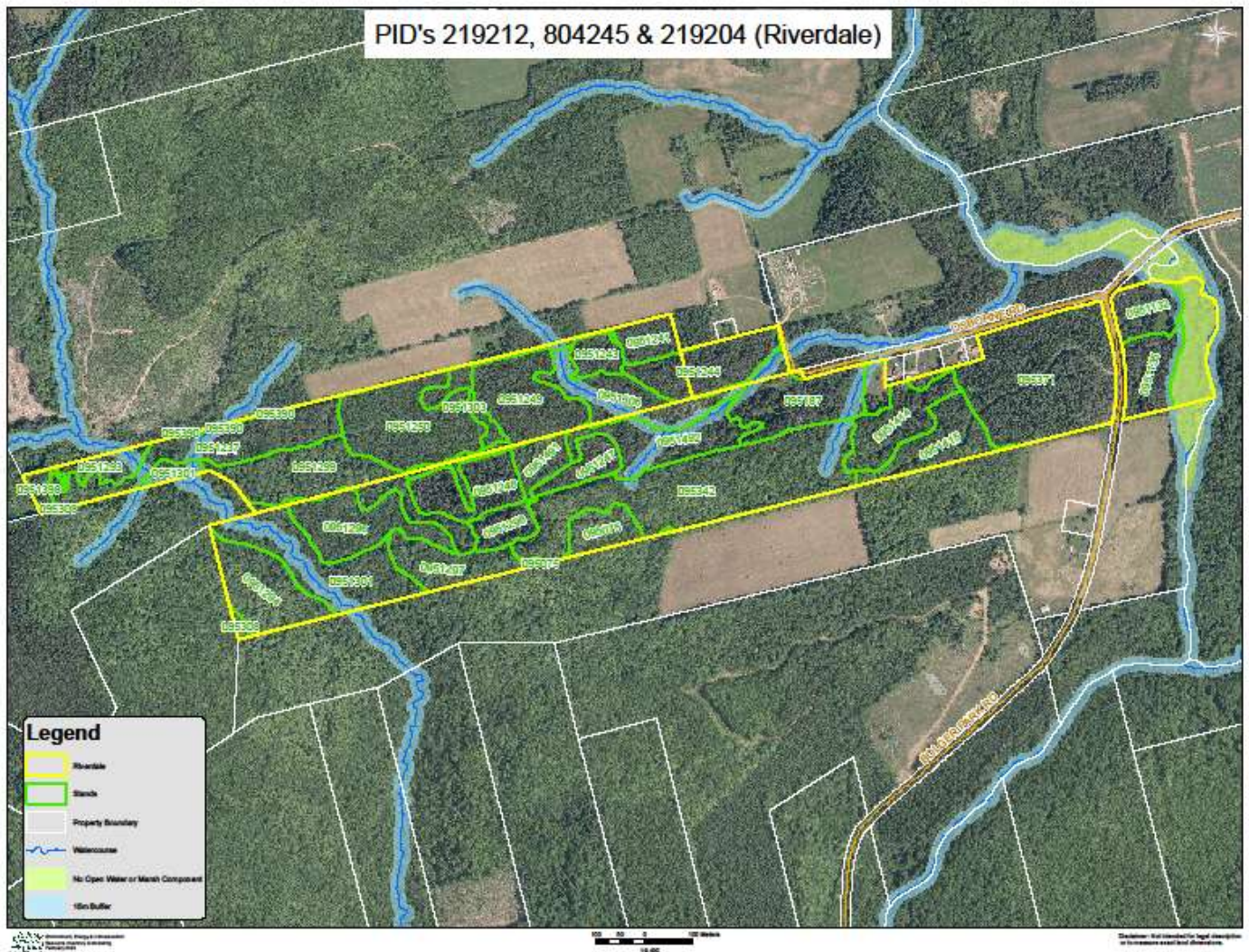
Table 1. Proposed Treatment Summary.

<u>Stand # and Plantation #</u>	<u>Treatment Type</u>	<u>Treatment Year</u>	<u>Amount Proposed</u>	<u>2018 Eco-Manual Reference</u>	<u>Comments</u>	<u>Goals</u>
Road	Road Maintenance	2023	All	Pg 11&12	Brush cutting, fill as required, clearing Fiona windfall	Improve road access
95371 SE PN#2843702	Block Harvest	2023	1.33 Ha	Pg 30	Fiona windfall, salvage (remove Scotch Pine invasives)	Salvage timber (limit fire fuel load and invasives)
95371 SW PN#2843702	Block Harvest	2023	2.90 Ha	Pg 30	Fiona windfall, salvage (remove Scotch Pine invasives)	Salvage timber (limit fire fuel load and invasives)
95371 NE PN#2843702	Block Harvest	2023	0.70 Ha	Pg 30	Fiona windfall, salvage (remove Scotch Pine invasives)	Salvage timber (limit fire fuel load and invasives)
95371 NW PN#2843702	Block Harvest/ Patch Harvest (modified)	2023	0.50 Ha	Pg 30&29	Fiona windfall, salvage patches (remove Scotch Pine invasives)	Salvage timber (limit fire fuel load and invasives)
951415	Patch Harvest	2023	0.40 Ha	Pg 29	Fiona windfall, road edges, leaning trees	Improve road safety, some Fionasalvage if adjacent
951415	*Patch Harvest (overall generally no treatment)	2023	0.20 Ha	Pg 29	Fiona windfall, road edges, leaning trees	Improve road safety, some Fionasalvage if adjacent
951298 PN#4740017	Block Harvest/ Patch Harvest (modified)	2023	0.90 Ha	Pg 30&29	90% Fiona windfall, snags	Salvage timber (limit fire fuel load)
951297	Patch Harvest	2023	0.60 Ha	Pg 29	Red Maple, could patch harvest for fuelwood	Create openings for quality regeneration or leave
951248, 951247 PN#4760025	Block Harvest/ Patch Harvest (modified)	2023	2.90 Ha	Pg 30&29	90% Fiona windfall, snags	Salvage timber (limit fire fuel load)
951297	Patch Harvest	2023	1.00 Ha	Pg 29	5% Fiona windfall, older RM, low priority	Could create small openings to encourage quality regeneration or leave
951250 PN#2943043	Block Harvest/ Commercial Thin	2023	3.0 Ha	Pg 30&26	Immature W/P (north and east 70% Fiona windfall, southeast 30%)	Block salvage, selective salvage, leave healthy and quality stems
951491	*Seed Tree Harvest (Selection)	2023	0.10 Ha	Pg 31	Sugar Maple in understory, adjacent Fiona damage	Could do very light selection on edge to encourage SM and YB
951237 E	Block Harvest	2023	0.90 Ha	Pg 30	Old field section of stand to east, PO adjacent	Salvage timber (limit fire fuel load)
951244, 954243, 951241	Block Harvest	2023	0.90 Ha	Pg 30	Heavy Fiona windfall east, protect SM & RM	Salvage timber (limit fire fuel load)
95187	Patch Harvest (modified)	2023	0.90 Ha	Pg 30	Older with windfall at crest of slope (young to east)	Salvage timber (limit fire fuel load)
951492	Patch Harvest (modified)	2023	0.40 Ha	Pg 30	Small area, overall leave most to protect spring and slopes	Salvage timber (limit fire fuel load)
95371 SE PN#2843702	Manual Site Preparation and Planting	2024	1.33 Ha	Pg 14&16	Dry slope, Fiona salvage debris	Develop future forest cover, supplement natural regeneration
95371 SW PN#2843702	Manual Site Preparation and Planting	2024	2.90 Ha	Pg 14&16	Dry slope, Fiona salvage debris	Develop future forest cover, supplement natural regeneration
95371 NE PN#2843702	Manual Site Preparation and Planting	2024	0.70 Ha	Pg 14&16	Dry slope, Fiona salvage debris	Develop future forest cover, supplement natural regeneration

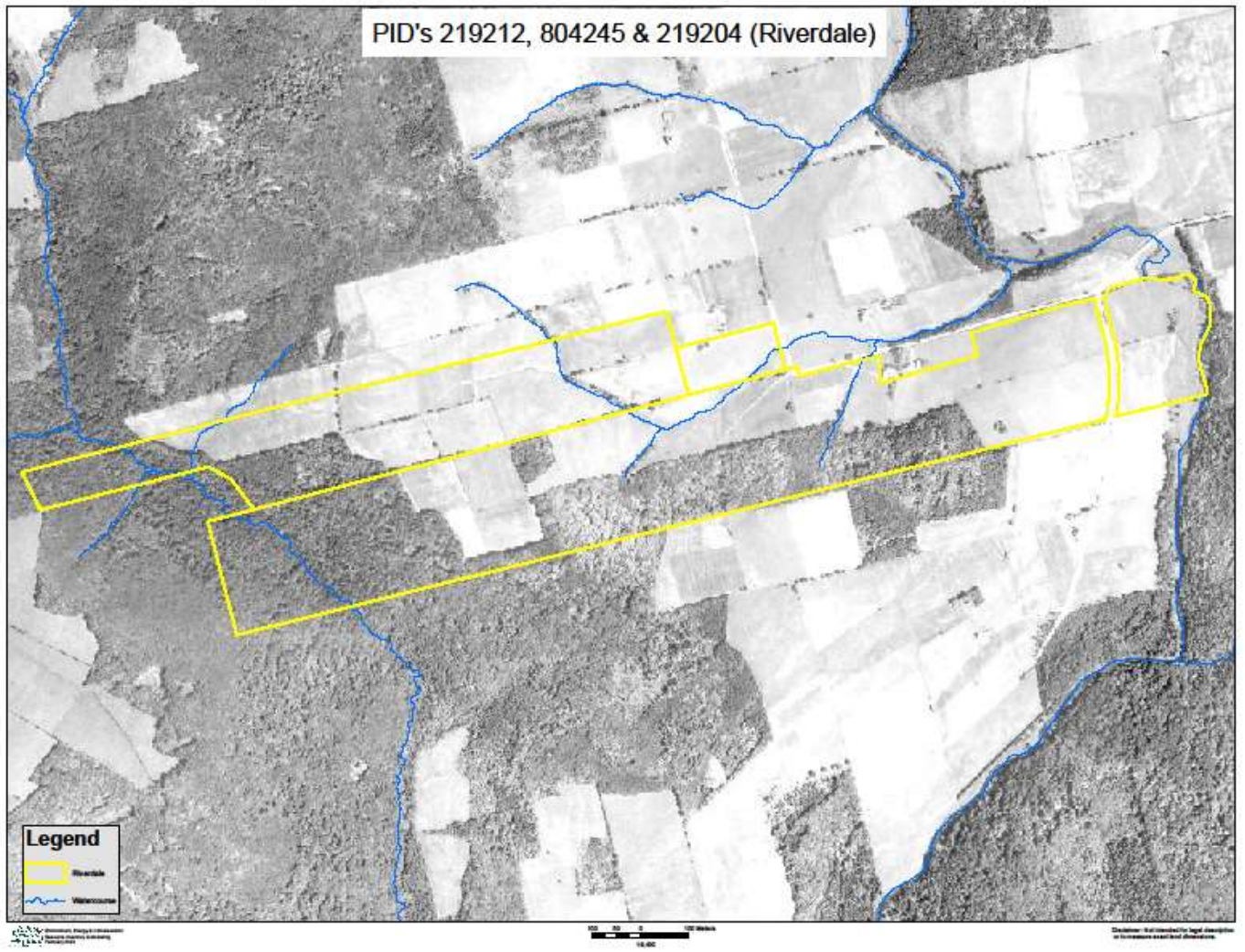
95371 NW PN#2843702	Manual Site Preparation and Planting	2024	0.50 Ha	Pg 14&16	Dry slope, Fiona salvage debris	Develop future forest cover, supplement natural regeneration
951298 PN#4740017	Manual Site Preparation and Planting	2024	0.90 Ha	Pg 14&16	Heavy raspberry development	Develop future forest cover, supplement natural regeneration
951248, 951247 PN#4760025	Manual Site Preparation and Planting	2024	2.90 Ha	Pg 14&16	Good quality growing conditions	Develop future forest cover, supplement natural regeneration
951250 PN#2943043	Manual Site Preparation and Planting	2024	2.0 Ha	Pg 14&16	Good quality growing conditions	Develop future forest cover, supplement natural regeneration
951237 E	Manual Site Preparation and Planting	2024	0.90 Ha	Pg 14&16	Dry slope, Fiona salvage debris	Develop future forest cover, supplement natural regeneration
951244, 954243, 951241	Manual Site Preparation and Planting	2024	0.90 Ha	Pg 14&16	Dry slope, Fiona salvage debris	Develop future forest cover, supplement natural regeneration
95187	Manual Site Preparation and Planting	2024	0.90 Ha	Pg 14&16	Plant patch salvage area	Develop future forest cover, supplement natural regeneration
951492	Manual Site Preparation and Planting	2024	0.40 Ha	Pg 14&16	Plant patch salvage area	Develop future forest cover, supplement natural regeneration
95371 SE PN#2843702	Manual Maintenance	2027	1.33 Ha	Pg 17	Remove developing invasive seedlings	Encourage development of quality stems
95371 SW PN#2843702	Manual Maintenance	2027	2.90 Ha	Pg 17	Remove developing invasive seedlings	Encourage development of quality stems
95371 NE PN#2843702	Manual Maintenance	2027	0.70 Ha	Pg 17	Remove developing invasive seedlings	Encourage development of quality stems
95371 NW PN#2843702	Manual Maintenance	2027	0.50 Ha	Pg 17	Remove developing invasive seedlings	Encourage development of quality stems
951298 PN#4740017	Manual Maintenance	2027	0.90 Ha	Pg 17	Established competition post Fiona	Encourage development of quality stems
951248, 951247 PN#4760025	Manual Maintenance	2027	2.90 Ha	Pg 17	Expect competition development	Encourage development of quality stems
951250 PN#2943043	Manual Maintenance	2027	2.0 Ha	Pg 17	Expect competition development	Encourage development of quality stems
951250 PN#2943043	Crop Tree Prune	2027	1.0 Ha	Pg 17	Very good quality stems where not damaged by Fiona, good growth	Prune to limit blister rust and encourage quality
951237 E	Manual Maintenance	2027	0.90 Ha	Pg 17	Remove competition	Encourage development of quality stems
951244, 954243, 951241	Manual Maintenance	2027	0.90 Ha	Pg 17	Remove competition	Encourage development of quality stems
95187	Manual Maintenance	2027	0.90 Ha	Pg 17	Remove competition	Encourage development of quality stems
951492	Manual Maintenance	2027	0.40 Ha	Pg 17	Remove competition	Encourage development of quality stems
951296	Pre-commercial Thin	2030	2.73 Ha	Pg 21	Single-stem WB good form, coppice RM	Could thin to encourage quality WB or leave

Appendices

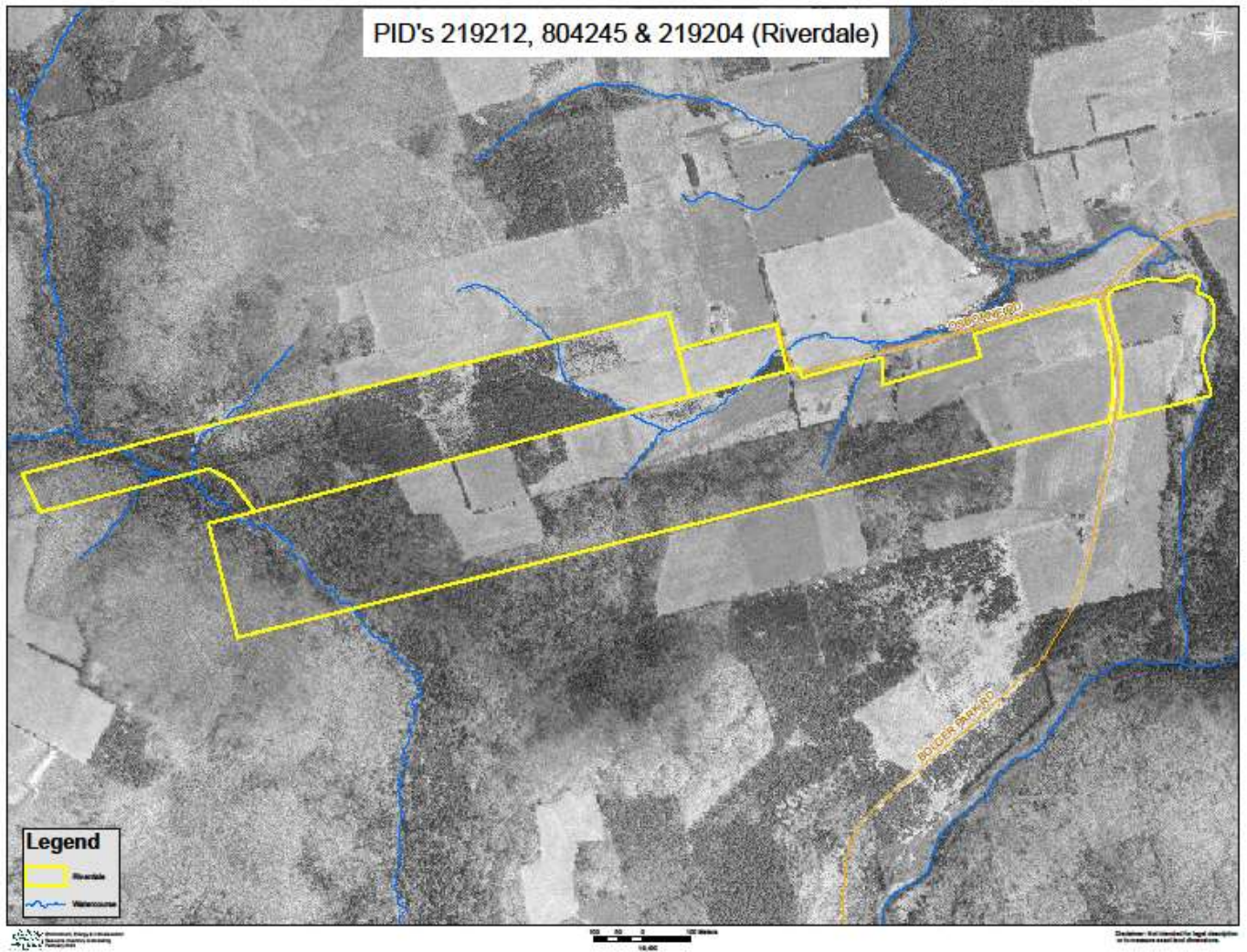
Appendix A. Map of Property with Locator Map



Appendix B. 1935 Aerial Photography



Appendix C. 1968 Aerial Photography



Appendix D. 2010 Corporate Land Use Inventory

FIELDID	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	HECTARES	WOODSTOCK
0951250	WP	6	RM	2	WB	1	WS	1		0	10	90	4.12	WP
0951132	WS	5	RM	2	WB	2	PC	1		0	14	45	1.41	SWIH
095371	BS	9	PO	1		0		0		0	9	75	7.13	BSPR
0951241	WS	8	PO	1	RM	1		0		0	5	75	0.98	WSPR
0951135	WS	9	PO	1		0		0		0	16	80	1.72	WSPR
0951244	WS	8	RM	1	PO	1		0		0	15	80	2.60	WSPR
0951243	WS	9	WB	1		0		0		0	5	65	0.79	WSPR
0951249	WS	9	WB	1		0		0		0	7	85	3.00	WSPR
0951306	WS	7	RM	1	WB	1	PO	1		0	16	85	2.63	WSPR
095187	WS	9	PO	1		0		0		0	16	75	3.14	WSPR
095390	LA	8	WB	2		0		0		0	6	85	0.08	LAPR
0951492	WS	7	WB	2	BF	1		0		0	14	65	2.61	WSPR
0951247	WS	10		0		0		0		0	14	85	1.02	WSPR
0951248	WS	10		0		0		0		0	15	80	2.13	WSPR
0951301	WS	4	RM	3	YB	1	WB	1	BF	1	19	80	4.24	SWIH
0951298	WS	10		0		0		0		0	16	75	0.95	WSPR
0951293	RM	4	SM	3	YB	2	WS	1		0	19	85	0.82	THMX
0951237	WS	4	RM	3	PO	2	SM	1		0	22	75	3.73	IHSW
0951303	RM	4	PC	4	WS	2		0		0	14	80	0.78	IHMX
0951414	WS	4	RM	3	WB	1	YB	1	SM	1	16	80	2.17	THSW
0951415	SM	3	RM	3	WS	2	YB	1	PO	1	17	85	2.11	THMX
0951299	SM	4	RM	2	PO	2	YB	1	WS	1	20	75	4.07	THMX
095342	SM	5	RM	3	YB	1	WS	1		0	19	90	8.40	THMX
0951491	RM	4	WS	3	SM	2	BF	1		0	19	85	0.98	THSW
0951398	RM	5	YB	3	SM	2		0		0	19	85	0.39	THMX
0951294	SM	5	RM	2	YB	1	WS	1	BE	1	21	85	2.70	THMX
0951296	WB	6	RM	2	WS	2		0		0	10	85	2.73	IHMX
095075	SM	4	RM	3	YB	1	WS	1	WB	1	19	80	1.18	THMX
095308	RM	3	SM	3	YB	2	BE	2		0	19	85	0.17	THMX
0951297	SM	5	RM	2	YB	2	WS	1		0	19	85	1.86	THMX

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		L. Stevenson			STAND #		95371 SE			PLANTATION #					2843702 (SP,BS)	
PROPERTY #		219212, 804245 & 219204			AREA		1.33 ha			Date		9 / 2 / 2023				
										D		M		Y		
SAMPLE TREE INFORMATION																
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT						
1	SP	39	45	15		4	WB	39	22	17						
2	SP	39	25	14		5	BS	39	20	12						
3	BS	39	16	12		6										
STAND INFORMATION																
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha		HWSL		
Species and (%)		BS7		%		SP3		%		WB(RM)						
Even-aged X		Uneven-aged										Biomass				
Slope		16 %		Aspect		E										
Stand Origin:		Old Field X		Partial Cut				Burn				Unploughed				
		Windfall X		Non Forest								Ploughed X				
		Clear Cut		Unknown												
Stand Maturity Class:		Regeneration				Immature X		Mature				Over-mature				
Stand Stocking:		Understocked				Fully Stocked X		Overstocked				Patchy X				
Density:		SW		1,500		HW										
Advanced Regeneration:		Understocked X		Fully Stocked				Overstocked				Patchy				
Regeneration:		1. Spp.		Height				2. Spp.		Height						
		3. Spp.		Height				4. Spp.		Height						
GROUND OBSERVATIONS																
Ground Vegetation Species Present:		alternate leaf dogwood, mountain ash, striped maple, mountain ash (*snow cover, dense woody shrub vegetation), beaked hazel, elderberry,														
Ground Hemlock		Y / N		X												
Invasive Species Present		X		Y / N		If yes then what species: SP (multiple stems!)										
Site Indicators		Y / N				If yes then what species:										
ENVIRONMENTAL OBSERVATIONS																
Water Course		Bog		Pond		Stream		Seeps				Beaver Present		Y / N		
Drainage:		Poor		Moderate		Good X		Excellent X				Erosion Control Required		Y / N		
Snag Trees:		Adequate		Inadequate X												
Coarse Woody Material:		Adequate X		Inadequate												
Dens				Nests (Raptors, songbirds, etc.)												
Wildlife Observed																
Comments		short slope east edge 20m @ 16 degrees, wild apple and hawthorn noted, NAPA east of clay road														
STAND PRESCRIPTION																
No Treatment				Regeneration Cut				Crop Tree Release				Block Cut X				
Shelterwood Cut				Selection Cut				Patch Cut				Strip Cut				
Commercial Thinning				Afforestation				Site Preparation								
Pre-commercial Thinning				Reforestation		X		Riparian Zone Mgmt								
Pln. Maint.		X Y / N		Stems/Ha												
Comments:		straight SP southeast, remove SP invasives, (keep snags), low LCR% on small diameter BS now														
		windfall, block salvage, cut all SP, cut for snags?, biomass product on SP, Fiona windfall between														
		50-70% of total stems, future planting and maintenance to develop future quality stand, old boy														
		scout club planting with variable densities in original stand														

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		95371 SW		PLANTATION # 2843703 BS					
PROPERTY #		219212, 804245 & 219204		AREA		2.9 ha		Date		9 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	BS	39	20	10		4							
2	BS	39	16	10		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 (%)		BS100	%	%	%	%		WB,*Willow noted					
Even-aged		Uneven-aged								Biomass			
Slope		2	%	Aspect	W								
Stand Origin:		Old Field	X	Partial Cut		Burn		Unploughed					
		Windfall	X	Non Forest				Ploughed		X			
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked		Overstocked		Patchy		X			
Density:		SW	2,500	HW									
Advanced Regeneration:		Understocked		X	Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp.		Height		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		*snow cover											
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		Bog		Pond		Stream		Seeps		Beaver Present		Y / N	
Drainage:		Poor	Moderate	Good	X	Excellent	X	Erosion Control Required		Y / N			
Snag Trees:		Adequate		Inadequate		X							
Coarse Woody Material:		Adequate		X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments		some PO to south (leave all for future snags and diversity)											
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:		was relatively dense and healthy, live crown ratio was 20-35%, decent health prior Fiona, a couple											
		WS naturals, old opening with mixed species (RM,WS) was old stone quarry or house site, save for											
		cover and diversity, 70% windfall post Fiona hurricane, smaller studwood quality (moderate slope),											
		3 pc per tree, heavy cone crop in 2022											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		95371 NW		PLANTATION # 2843704 BS(SP)					
PROPERTY #		219212, 804245 & 219204		AREA		1.63 ha		Date		9 / 2 / 2023			
								D		M		Y	
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	BS	39	15	9		4							
2	BS	39	14	9		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 (%)	BS100	%	%	%	%	%	O,WB(*SP,WP noted)						
Even-aged X	Uneven-aged									Biomass			
Slope	24	%	Aspect	N									
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed						
	Windfall	X	Non Forest				Ploughed	X					
	Clear Cut		Unknown										
Stand Maturity Class:	Regeneration			Immature	X	Mature		Over-mature					
Stand Stocking:	Understocked			Fully Stocked		Overstocked		Patchy	X				
Density:	SW	1,250	HW										
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.		Height		2. Spp.		Height						
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:				blackberry, choke cherry, wild apples in opening ledge (old hedge on edge of field), *snow cover									
Ground Hemlock	Y / N	X											
Invasive Species Present	X	Y / N		If yes then what species:	SP (seed dispersed by wildlife scattered)								
Site Indicators	Y / N			If yes then what species:									
ENVIRONMENTAL OBSERVATIONS													
Water Course		Bog		Pond		Stream		Seeps		Beaver Present	Y / N		
Drainage:	Poor		Moderate		Good	X	Excellent	X	Erosion Control Required	Y / N			
Snag Trees:	Adequate	X	Inadequate										
Coarse Woody Material:	Adequate		Inadequate	X									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed	snowshoe hare tracks, Mountain Ash with sapsucker marks, black-capped chickadee												
Comments	north edge old field white spruce hedgerow, old WB and snags in hedgerow, a couple PO 37cm noted												
STAND PRESCRIPTION													
No Treatment				Regeneration Cut		Crop Tree Release		Block Cut	X				
Shelterwood Cut				Selection Cut		Patch Cut		X mod	Strip Cut				
Commercial Thinning				Afforestation		Site Preparation	X						
Pre-commercial Thinning				Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha									
Comments:	limby trees on old hedge, some openings, dense old boy scout plant (too dense), heavy north slope,												
	fence post material size (2 pc. Per tree), difficult to thin due to slope, behind homes,												
	a strip of windfall could be patch cut/ salvaged post Fiona, most of stand can be left to maintain												
	cover, viewscape and residence buffer, patches to salvage												

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		95371NE		PLANTATION # 2843701 BS					
PROPERTY #		219212, 804245 & 219204		AREA		1.28 ha		Date		9 / 2 / 2023			
								D		M		Y	
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	BS	39	18	12		4							
2	BS	39	17	12		5							
3	WS	39	20	13		6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha
Species and (%)		BS100	%	%	%	%		WS(*SP)					
Even-aged X		Uneven-aged									Biomass		
Slope		16	%	Aspect	NE								
Stand Origin:		Old Field	X	Partial Cut		Burn		Unploughed					
		Windfall	X	Non Forest				Ploughed		X			
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration			Immature	X	Mature		Over-mature				
Stand Stocking:		Understocked		X	Fully Stocked		Overstocked		Patchy		X		
Density:		SW	1,300	HW									
Advanced Regeneration:		Understocked		X	Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp.			Height		2. Spp.		Height				
		3. Spp.			Height		4. Spp.		Height				
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		wild apple noted in openings (snow cover), alt-leaf dogwood and choke cherry near road											
Ground Hemlock		Y / N	X										
Invasive Species Present		X	Y / N		If yes then what species:		SP seed dispersed						
Site Indicators		Y / N			If yes then what species:								
ENVIRONMENTAL OBSERVATIONS													
Water Course			Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:		Poor		Moderate		Good	X	Excellent	X	Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate	X								
Coarse Woody Material:		Adequate	X	Inadequate									
Dens			Nests (Raptors, songbirds, etc.)			***NOTE: TEST WELL AT ENTRANCE TO WOODLOT RD.							
Wildlife Observed		snowshoe hare tracks											
Comments		slope, patchy windfall from Fiona, save any PO for future snags, road pushbacks											
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:		BS live crown ration 30-50%, fiona partial windfall, stand requires salvage over part of the area,											
		remove SP during salvage, assess to remove road buffer, boy scout planting signage to NE corner,											
		stand is on NE facing slope, partial block harvest salvage to northeast portion in fiona windfall, leave											
		stable portion of stand intact, note standing trees with root damage from hurricane!, was too dense											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951415		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		2.11 ha		Date		9 / 2 / 2023			
								D		M		Y	
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	SM	73	27	17		4							
2	RM	73	40	18		5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha	
Species and (%)		RM5 %		SM2 %		WB1 %		YB1 %		*large-tooth Aspen			
Even-aged X		Uneven-aged								Biomass			
Slope 8 %		Aspect N											
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed X					
		Windfall X		Non Forest				Ploughed					
		Clear Cut X		Unknown									
Stand Maturity Class:		Regeneration		Immature		Mature X		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW 1,500		HW									
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp.		Height		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		*snow cover											
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		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		raptor (hawk, no positive ID)											
Comments		slope, stable natural hardwood forest exposed to north, large diameter large-tooth Aspen (windfall)											
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					
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt					
Pln. Maint.		Y / N		Stems/Ha									
Comments:		younger patch around 37 years to east, rest is mature hardwood stand (SM content), typical older											
		hardwood stand, some Fiona hurricane windfall onto road, minimal log quality in SM stems, stable											
		hardwood stand with exposed slope to north, salvage windfall to clear road surface and edge of road											
		to allow access by select salvage (save all stable stems), leave stand to develop further naturally											



Mature hardwoods at higher elevation on a north facing slope wind damaged by hurricane Fiona in stand# 951415.

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951414		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		2.17 ha		Date		9 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WS	33	22	11		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 (%)			%	%		%		PO,WS,RM					
Even-aged			Uneven-aged *two					Biomass					
Slope		18 %	Aspect		N								
Stand Origin:		Old Field	X	Partial Cut	X	Burn		Unploughed		X			
		Windfall	70%	Non Forest				Ploughed		X			
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration			Immature	X	Mature	X	Over-mature	X			
Stand Stocking:		Understocked			Fully Stocked	X	Overstocked		Patchy	X			
Density:		SW		HW									
Advanced Regeneration:		Understocked			Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp.	Striped M	Height	2	2. Spp.	BE	Height	1				
		3. Spp.	SM	Height	1	4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		striped Maple, beaked hazelnut											
Ground Hemlock		Y / N											
Invasive Species Present		X	Y / N	If yes then what species: SP (a couple in young patch by house)									
Site Indicators		Y / N	If yes then what species:										
ENVIRONMENTAL OBSERVATIONS													
Water Course		X	Bog		Pond		Stream	X	Seeps		Beaver Present	Y / N	
Drainage:		Poor		Moderate		Good	X	Excellent	X	Erosion Control Required	Y / N		
Snag Trees:		Adequate	X	Inadequate									
Coarse Woody Material:		Adequate	X	Inadequate									
Dens			Nests (Raptors, songbirds, etc.)										
Wildlife Observed													
Comments		*unmapped spring behind house, 70cm large-tooth Aspen noted, older RM, leave natural, PO windfal											
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:		top of slope old hardwood ground, southwest has old large-tooth Aspen, old RM across slope and											
		open with most of understory striped Maple where old BF content declined and fell, a few quality											
		natural regeneration (SM,BE,YB), slopes and springs leave natural, small patch of old White Spruce											
		near adjacent residence (snags, bark beetle stems, windfall), no treatment overall, protect stream,											
		adjacent residence, regeneration and wildlife , pocket 33 year WS behind house,											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951298		PLANTATION #		4740017 WS *TI pn			
PROPERTY #		219212, 804245 & 219204		AREA		0.95 ha		Date		10 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WS	49	37	18.5		4							
2	WS	49	41	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 (%)	WS100 %		%		%								
Even-aged X	Uneven-aged									Biomass			
Slope	6 %	Aspect	SW										
Stand Origin:	Old Field X	Partial Cut	X CT	Burn		Unploughed							
	Windfall X	Non Forest				Ploughed X							
	Clear Cut	Unknown											
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature	X					
Stand Stocking:	Understocked X		Fully Stocked		Overstocked		Patchy	X					
Density:	SW *50		HW										
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy	X					
Regeneration:	1. Spp. SM		Height	8	2. Spp. RM		Height	6					
	3. Spp. WB		Height	6	4. Spp. BF		Height	2					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		raspberry heavy (too much light to forest floor), elderberry, blackberry, alternaleaf dogwood, feather moss, star flower, bluebead lily											
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		Bog		Pond		Stream		Seeps		Beaver Present		Y / N	
Drainage:		Poor		Moderate		Good X		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate X									
Coarse Woody Material:		Adequate X		Inadequate									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments		*old fire pit off ATV trail											
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:		was 500 stems per hectare (90% windfall post hurricane Fiona), very open, difficult to establish seedlings due to heavy raspberry prior to windfall and expected to be aggressive, a few snags, 80% of original stand was live trees, heavy windfall in larger timber, moderately limby, salvage soon and plant, preserve any regeneration species established (SM noted in west end), typical old field WS type											

STAND TALLY SHEET														
CRUISER		L. Stevenson		STAND #		951297		PLANTATION #						
PROPERTY #		219212, 804245 & 219204		AREA		1.86 ha		Date		10 / 2 / 2023				
										D M Y				
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	RM	75	40	19		4								
2	RM	75	35	19		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 (%)		RM70 %	WB10 %	PO10 %				WS,YB						
Even-aged X		Uneven-aged								Biomass				
Slope 9 %		Aspect W												
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed X						
		Windfall		Non Forest				Ploughed						
		Clear Cut X		Unknown										
Stand Maturity Class:		Regeneration		Immature		Mature		Over-mature						
Stand Stocking:		Understocked		Fully Stocked		Overstocked		Patchy						
Density:		SW	HW 1,500											
Advanced Regeneration:		Understocked		Fully Stocked X		Overstocked		Patchy						
Regeneration:		1. Spp. striped M		Height 6		2. Spp. BE		Height 6						
		3. Spp. BF		Height 2		4. Spp.		Height						
GROUND OBSERVATIONS														
Ground Vegetation Species Present:		striped maple understory, a few BE) star flower, wood fern, bunchberry, bluebead lily												
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		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		older hardwood coverytype with striped maple understory for cover												
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						
Pre-commercial Thinning				Reforestation				Riparian Zone Mgmt						
Pln. Maint.		Y / N		Stems/Ha										
Comments:		coppice growth from old harvest, old woodland with heavy pit and mound, no log quality in stems, all fuelwood quality, relatively stable and sheltered from Fiona winds, could patch cut to increase openings for regeneration or leave to develop												

STAND TALLY SHEET												
CRUISER		L. Stevenson		STAND #		951301		PLANTATION #				
PROPERTY #		219212, 804245 & 219204		AREA		4.24 ha		Date		10 / 2 / 2023		
								D		M Y		
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	RM		42	20		4						
2	RM		45	20		5						
3	RS		60	22		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 %	WB20 %	RS10 %	YB10 %	WS,BF							
Even-aged							Biomass					
Slope	10 %	Aspect	W									
Stand Origin:	Old Field	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. RM	Height	0.5-1.0	2. Spp. striped M	Height	4						
	3. Spp.	Height		4. Spp.	Height							
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		bluebead lily, wood fern, bunchberry, beaked hazelnut, star flower,										
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	X	Bog	Pond	Stream	X	Seeps	Beaver Present	Y / N				
Drainage:	Poor	Moderate	Good	X	Excellent	X	Erosion Control Required	Y / N				
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:	Adequate	X	Inadequate									
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed	*unmapped spring on west hill from flood plain, fish-bearing stream (trout noted)											
Comments	4-6' stream 6" deep stone , 20m wide flood plain, interrupted and sensitive fern, HE 70cm,SM,YB											
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:	old BF content generally died off, 3 m BF through some of the understory, a few scattered RS, a few large spruce snags (65 cm diameter noted), 2 to 2.5m tall RS had some frost damage, no log quality in hardwoods, 5% Fiona windfall, leave the western balance of the stand with RS content to develop naturally, older specimens in riparian zone											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951294		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		2.7 ha		Date		10 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	RM		42	19		4							
2	SM		24	16		5							
3	RM		38	19		6							
STAND INFORMATION													
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)		RM60 %	SM30 %	YB10 %				RS,HE					
Even-aged X		Uneven-aged X								Biomass			
Slope		20 %	Aspect		E								
Stand Origin:		Old Field	Partial Cut			Burn		Unploughed X					
		Windfall	Non Forest					Ploughed					
		Clear Cut	Unknown X										
Stand Maturity Class:		Regeneration		Immature X		Mature X		Over-mature					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW	HW		750								
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy					
Regeneration:		1. Spp.		Height		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		mountain maple noted at spring head, striped maple noted											
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		Bog		Pond		Stream X		Seeps X		Beaver Present		Y / N	
Drainage:		Poor		Moderate		Good X		Excellent		Erosion Control Required		Y / N	
Snag Trees:		Adequate X		Inadequate									
Coarse Woody Material:		Adequate		Inadequate X									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		trout fingerling in main stream											
Comments		springy hill, 80 cm YB snag noted,											
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:		heavy pit and mount, reverting to some uneven-age features, tolerant hardwood component,											
		HE and old snags indicating older forest situation, ***this area should be left natural and not treated											
		to protect this stand type which is underrepresented in the Province											

STAND TALLY SHEET																
CRUISER		L. Stevenson			STAND #		951248 & 951247			PLANTATION #					4760025WS (TI)	
PROPERTY #		219212, 804245 & 219204			AREA		3.1 ha			Date		13 / 2 / 2023				
												D M Y				
SAMPLE TREE INFORMATION																
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT						
1	WS	47	39	17.5		4										
2	WS	47	28	17		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 (%)		WS100 %		%		%										
Even-aged X		Uneven-aged												Biomass		
Slope		6 %	Aspect		SW											
Stand Origin:		Old Field X	Partial Cut		X(CT)	Burn		Unploughed								
		Windfall X	Non Forest					Ploughed X								
		Clear Cut	Unknown													
Stand Maturity Class:		Regeneration			Immature		Mature X	Over-mature								
Stand Stocking:		Understocked X			Fully Stocked		Overstocked	Patchy								
Density:		SW	100	HW												
Advanced Regeneration:		Understocked X			Fully Stocked		Overstocked	Patchy		X						
Regeneration:		1. Spp.	SM	Height	0.2	2. Spp.		Height								
		3. Spp.		Height		4. Spp.		Height								
GROUND OBSERVATIONS																
Ground Vegetation Species Present:		grass, raspberry, elderberry, alternate-leaf dogwood														
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		Good	X	Excellent	X	Erosion Control Required	Y / N					
Snag Trees:		Adequate		Inadequate	X											
Coarse Woody Material:		Adequate	X	Inadequate												
Dens			Nests (Raptors, songbirds, etc.)													
Wildlife Observed																
Comments		old hedgerow with snags, blackberry patch in opening, expect raspberry, preserve for wildlife values														
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:		tree improvement plantation, was commercially thinned, ranged from 30-50% live crown ratio,														
		relatively open grown stand at elevation, occassional SM was found in understory, some bark beetle,														
		90% of the trees were windfelled by hurricane Fiona east and 55% west(quality timber), minimal														
		regeneration present, salvage harvest and enhancement plant, future maintenance,														
		*protect edge of 951247 adjacent SM section to preserve any natural regeneration (heavy WF to east														



White Spruce wind-felled by hurricane Fiona in stands 951248 & 951247.

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951296		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		2.73 ha		Date		5 / 7 / 2022			
								D		M		Y	
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WB	27	13	12		4							
2	WB	27	9	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 (%)	WB30 %	RM30 %	PC10 %	PO10 %									
Even-aged X	Uneven-aged									Biomass			
Slope	10 %	Aspect	W										
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed	X					
	Windfall		Non Forest				Ploughed						
	Clear Cut	X	Unknown										
Stand Maturity Class:	Regeneration			Immature	X	Mature		Over-mature					
Stand Stocking:	Understocked			Fully Stocked		Overstocked		Patchy					
Density:	SW		HW	9,500									
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.		Height		2. Spp.		Height						
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		sasparilla, bunchberry, blackberry, raspberry, wood fern, grass, alternate-leaf dogwood											
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		Bog		Pond		Stream		Seeps		Beaver Present		Y / N	
Drainage:	Poor		Moderate		Good	X	Excellent		Erosion Control Required		Y / N		
Snag Trees:	Adequate		Inadequate	X									
Coarse Woody Material:	Adequate		Inadequate	X									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments		noted 11m tall serviceberry and others, pocket large-tooth in east end											
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.	Y / N		Stems/Ha										
Comments:		RM coppice growth, some single-stem WB good form, live crown ratios 30-35%, could thin for quality to favour best WB and reduce density on some coppice growth (noted 15 stems in RM coppice), would benefit from thinning but could also be left to develop further											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951299		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		4.07 ha		Date		5 / 7 / 2022			
								D		M		Y	
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	RM	85	40	20.5		4							
2	RM	85	35	20		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 (%)		RM50 %	PO20 %	BF20 %				WB,SM,YB					
Even-aged X		Uneven-aged								Biomass			
Slope		6 %	Aspect		SW								
Stand Origin:		Old Field	Partial Cut		Burn		Unploughed X						
		Windfall	Non Forest				Ploughed						
		Clear Cut X	Unknown										
Stand Maturity Class:		Regeneration		Immature		Mature X		Over-mature X					
Stand Stocking:		Understocked		Fully Stocked X		Overstocked		Patchy					
Density:		SW	HW		500								
Advanced Regeneration:		Understocked		Fully Stocked X		Overstocked		Patchy					
Regeneration:		1. Spp.		Height		2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		striped Maple, bracken fern, wood fern, bluebead lily, bunch berry											
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		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		X		Strip Cut					
Commercial Thinning		Afforestation		Site Preparation									
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt									
Pln. Maint.		Y / N		Stems/Ha									
Comments:		open grown older hardwood, BF in the understory, bark features indicating older trees,											
		could patch cut to create small openings for natural regeneration, dominated by older RM,											
		approximately 5% windfall from hurricane Fiona (relatively sheltered by slope and just natural											
		progression of stand),											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951250		PLANTATION #		2943043WP			
PROPERTY #		219212, 804245 & 219204		AREA		4.12 ha		Date		9 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WP	29	30	16.5		4	WP	29	26	14			
2	WP	29	22	15.5		5	WP	29	22	14			
3	WP	29	14	13		6	WB	29	12	12			
STAND INFORMATION													
Stand Basal Area	SW	M ² /Ha	SWSL	M ² /Ha	HW	M ² /Ha	HWSL	M ² /Ha					
Species and (%)	WP80 %	WB20 %					PO						
Even-aged X	Uneven-aged									Biomass	X		
Slope	8 %	Aspect	SW										
Stand Origin:	Old Field X	Partial Cut		Burn		Unploughed							
	Windfall	Non Forest				Ploughed	X						
	Clear Cut	Unknown											
Stand Maturity Class:	Regeneration			Immature	X	Mature		Over-mature					
Stand Stocking:	Understocked *X		Fully Stocked		Overstocked		Patchy						
Density:	SW	*2000	HW	100	*stocking prior to windfall								
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.		Height		2. Spp.		Height						
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		bunchberry. Star flower, or bluebead lily if any openings)											
		*minimal ground cover under WP											
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		Good	X	Excellent		Erosion Control Required		Y / N			
Snag Trees:	Adequate	Inadequate	X										
Coarse Woody Material:	Adequate	X	Inadequate										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed	snowshoe hare tracks winter, robin in spring season												
Comments	typical WP with minimal understory (save PO for wildlife values), save any snags												
STAND PRESCRIPTION													
No Treatment				Regeneration Cut		Crop Tree Release		Block Cut	X				
Shelterwood Cut				Selection Cut	X	Patch Cut		Strip Cut					
Commercial Thinning		X		Afforestation		Site Preparation	X						
Pre-commercial Thinning				Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha									
Comments:	very good form planted WP, hurricane Fiona damaged heavily, on high elevation exposed to north												
	and east estimate 70% of stems windfall, south east around 20% damaged, quality WP to												
	salvage and small diameter standing WB, salvage windfall sections and selective salvage/ thin the												
	southeast with minimal damage, little white pine weevil noted (locale historically has few weevil)												



Windfall White Pine on the exposed North boundary with high elevation adjacent open agricultural land (Stand #951250).

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951303		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		0.78 ha		Date		9 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	PO		17	16		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 (%)		%	%	%	%	(PO,GB)							
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	Unknown										
Stand Maturity Class:		Regeneration X		Immature X	Mature	Over-mature							
Stand Stocking:		Understocked		Fully Stocked	Overstocked	Patchy							
Density:		SW	HW										
Advanced Regeneration:		Understocked		Fully Stocked	Overstocked	Patchy							
Regeneration:		1. Spp. PO	Height	2.5	2. Spp. RM	Height	2						
		3. Spp.	Height		4. Spp.	Height							
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		*snow cover											
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	Good X	Excellent	Erosion Control Required		Y / N					
Snag Trees:		Adequate	Inadequate X										
Coarse Woody Material:		Adequate X	Inadequate										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments		diverse											
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 / N	Stems/Ha										
Comments:		PO (trembling Aspen) and GB, some understory was developing, was exposed to hurricane Fiona, the area should be left to develop naturally to provide wildlife values											

STAND TALLY SHEET																	
CRUISER		L. Stevenson			STAND #		951249, 951241			PLANTATION #					2943042&2963201WS		
PROPERTY #		219212, 804245 & 219204			AREA		3.98 ha			Date		27 / 1 / 2023					
												D M Y					
SAMPLE TREE INFORMATION																	
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT							
1	WS	29	19	11		4	WS	29	12	7							
2	WS	29	21	11		5	GB	29	5	7							
3	WS	29	17	10.5		6	GB	29	14	11							
STAND INFORMATION																	
Stand Basal Area		SW		M ² /Ha		SWSL		M ² /Ha		HW		M ² /Ha		HWSL		M ² /Ha	
Species and (%)		WS90 %		WB10 %						PO, WP							
Even-aged X		Uneven-aged												Biomass			
Slope		15 %		Aspect		NE											
Stand Origin:		Old Field X		Partial Cut				Burn				Unploughed					
		Windfall		Non Forest								Ploughed X					
		Clear Cut		Unknown													
Stand Maturity Class:		Regeneration				Immature X				Mature				Over-mature			
Stand Stocking:		Understocked				Fully Stocked X				Overstocked X				Patchy			
Density:		SW 2,000		HW													
Advanced Regeneration:		Understocked X				Fully Stocked				Overstocked				Patchy			
Regeneration:		1. Spp.				Height				2. Spp.				Height			
		3. Spp.				Height				4. Spp.				Height			
GROUND OBSERVATIONS																	
Ground Vegetation Species Present:					*shaded and snow cover, minimal vegetation (star flower, hair-capped moss blueberry, bunch berry, ground pine)												
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		Good		X		Excellent		X		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate		X											
Coarse Woody Material:		Adequate		Inadequate		X											
Dens				Nests (Raptors, songbirds, etc.)													
Wildlife Observed		snowshoe hare tracks, chickadee															
Comments		old woodlot road abandoned (old culvert)															
STAND PRESCRIPTION																	
No Treatment				X		Regeneration Cut				Crop Tree Release				Block Cut			
Shelterwood Cut						Selection Cut				Patch Cut				Strip Cut			
Commercial Thinning				X		Afforestation				Site Preparation							
Pre-commercial Thinning						Reforestation				Riparian Zone Mgmt							
Pln. Maint.		Y / N				Stems/Ha											
Comments:		section to north of woodlot around 1500 stems per hectare (doing well), section to south has quite heavier slopes, plateau to the south (denser planting on steeper sections), growth on steeper moderate (more dense and quite dry), might benefit from commercial thinning but now somewhat exposed due to adjacent windfall from hurricane Fiona, 25% live crown ratio average, good quality, 951241 to northeast is sheltered and no damage from Fiona, immature and healthy															

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951491		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		0.98 ha		Date		13 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	SM	80	37	20		4	SM	80	32	19			
2	YB	80	35	19.5		5							
3	RM	80	32	19		6							
STAND INFORMATION													
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha	
Species and (%)	SM60	%	YB10	%	WS10	%	RM						
Even-aged X	Uneven-aged									Biomass			
Slope 0-8	%	Aspect	L										
Stand Origin:	Old Field	X	Partial Cut	X	Burn			Unploughed	X				
	Windfall	X	Non Forest					Ploughed	X				
	Clear Cut		Unknown										
Stand Maturity Class:	Regeneration		Immature		Mature		X	Over-mature		X(WS)			
Stand Stocking:	Understocked		Fully Stocked		Overstocked		Patchy		X				
Density:	SW	250	HW	1,250									
Advanced Regeneration:	Understocked		Fully Stocked		X		Overstocked		Patchy				
Regeneration:	1. Spp.	SM	Height	0.4	2. Spp.	BE	Height	2					
	3. Spp.		Height		4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		*snow (light vegetation cover, star flower), striped maple noted											
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		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	section to east was overmature old field WS on slope, leave some natural for wildlife value and buffer												
STAND PRESCRIPTION													
No Treatment		Regeneration Cut			Crop Tree Release			Block Cut					
Shelterwood Cut		Selection Cut		X	Patch Cut			Strip Cut					
Commercial Thinning		Afforestation			Site Preparation								
Pre-commercial Thinning		Reforestation			Riparian Zone Mgmt								
Pln. Maint.	Y / N	Stems/Ha											
Comments:	hardwood stand, blanket of SM regeneration under this stand, adjacent to hurricane Fiona damage, could do light select cut release adjacent to salvage to try and encourage development in "shaded" regeneration of SM (under-represented stand type), protect regeneration, maintain shading to prevent the introduction of epicormic lateral branching on SM and YB stems												

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND # 951293, 951398, 95308, & 951237West									
PROPERTY #		219212, 804245 & 219204		AREA		3.1 ha		Date		25 / 5 / 2022			
								D		M		Y	
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	RM		37	20		4	RS		12	9			
2	YB		35	19		5	YB		12	9			
3	RM		13	10		6	PC		12	10			
STAND INFORMATION													
Stand Basal Area		SW	M ² /Ha	SWSL	M ² /Ha	HW	M ² /Ha	HWSL	M ² /Ha				
Species and (%)		%	%	%	%	RS,HE							
Even-aged		Uneven-aged		X	Biomass								
Slope		18 %	Aspect		E								
Stand Origin:		Old Field		Partial Cut	X	Burn		Unploughed		X			
		Windfall		Non Forest				Ploughed					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		X		Mature		X		Over-mature	
Stand Stocking:		Understocked		Fully Stocked		X		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:		*snow cover (mountain maple, honeysuckle, ground Hemlock)											
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		Bog	Pond	Stream	X	Seeps	X	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		good diversity and remnants of old forest, leave natural for wildlife and inherent diversity values											
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:		old patch cuts noted, mix of older stems from original stand, riparian zone, heavy slopes, no treat to protect, noted old foot trail, this unplowed section is diverse and has remnants of older forest type, leave natural, access poor, old patch cuts developed a diversity of covertime, springs, large old Yellow Birch and Hemlock noted (cavity and 60 cm diameter), 20m flood plain											

STAND TALLY SHEET														
CRUISER		L. Stevenson			STAND #		951237E			PLANTATION #				
PROPERTY #		219212, 804245 & 219204			AREA		2.3 ha			Date		25 / 5 / 2022		
												D M Y		
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	WS	62	28	16		4	PO		18	14				
2	WS	62	40	18		5	WB		16	14				
3	PO	17	13	14		6								
STAND INFORMATION														
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha		
Species and (%)	WS50	%	PO20	%	WB30	%	(WP noted)							
Even-aged X	Uneven-aged						Biomass							
Slope	4 %	Aspect	W/SW											
Stand Origin:	Old Field	X	Partial Cut	X	Burn		Unploughed							
	Windfall	*X	Non Forest				Ploughed	X						
	Clear Cut		Unknown											
Stand Maturity Class:	Regeneration			Immature	x	Mature	X	Over-mature	X					
Stand Stocking:	Understocked			Fully Stocked		Overstocked		Patchy	X					
Density:	SW	750	HW	500										
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy	X					
Regeneration:	1. Spp.	PO	Height	1	2. Spp.		Height							
	3. Spp.		Height		4. Spp.		Height							
GROUND OBSERVATIONS														
Ground Vegetation Species Present:		minimal vegetation (haircap moss, star flower), bracken fern, sasparilla,												
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		Good		Excellent		Erosion Control Required	Y / N				
Snag Trees:	Adequate		Inadequate											
Coarse Woody Material:	Adequate		Inadequate											
Dens		Nests (Raptors, songbirds, etc.)												
Wildlife Observed	hairy woodpecker (sapsucker marks noted on adjacent Hemlocks), snowshoe hare track on rd.													
Comments	*old woods camp site noted, trail from west (foot bridge), mixed ages and types due to history													
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:	*note WP (65cm and 25m tall), WS older, minimal vegetation under, pockets of old field WS,													
	could harvest and replant, appears dry, pockets of windfall with a few PO and WB remaining (no WS),													
	heaviest windfall in PO/WB to northeast edge from, strip harvest on south edge, sections no WS													
	content, was larger diameter PO windfelled to northeast, could harvest old field patches and replant													
	enrich to add diversity and quality (approximately 0.9 Ha is old field WS in stand area)													

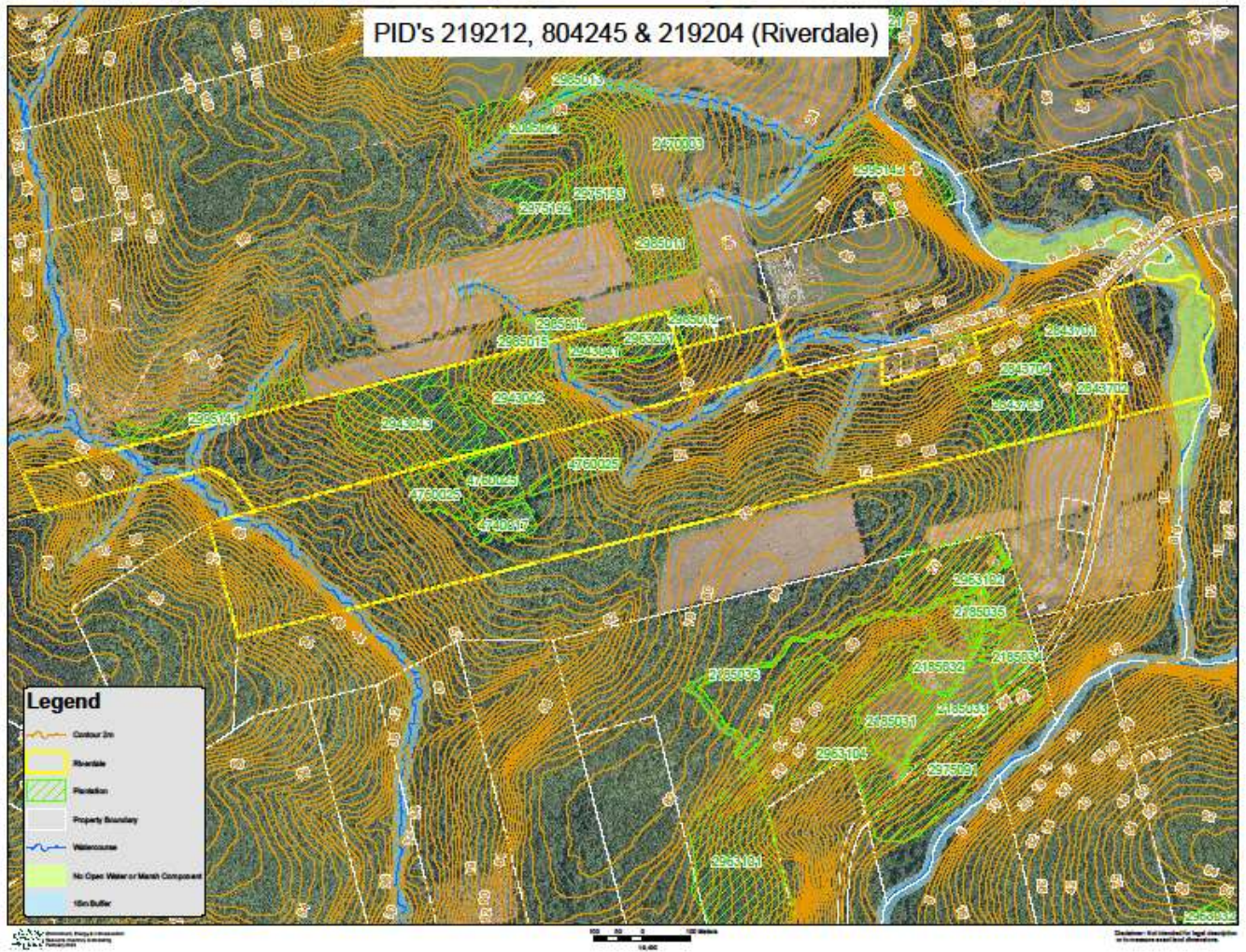
STAND TALLY SHEET														
CRUISER		L. Stevenson			STAND #		951244, 954243, 951241			PN#:				
PROPERTY #		219212, 804245 & 219204			AREA		3.39 ha		Date		15 / 2 / 2023			
									D		M		Y	
SAMPLE TREE INFORMATION														
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	WS	55	34	17		4								
2	PO	55	44	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 (%)	WS80	%	PO10	%		%								
Even-aged X	Uneven-aged			Biomass										
Slope	9	%	Aspect	SE										
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed							
	Windfall	X	Non Forest				Ploughed	X						
	Clear Cut		Unknown											
Stand Maturity Class:	Regeneration				Immature		Mature	X	Over-mature	X				
Stand Stocking:	Understocked				Fully Stocked		Overstocked		Patchy	X				
Density:	SW		HW											
Advanced Regeneration:	Understocked			X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.		Height		2. Spp.		Height							
	3. Spp.		Height		4. Spp.		Height							
GROUND OBSERVATIONS														
Ground Vegetation Species Present:		hawthorne noted near woodlot road clearing												
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	X	Bog		Pond		Stream	X	Seeps		Beaver Present	Y / N			
Drainage:	Poor	Moderate		Good	X	Excellent		Erosion Control Required	Y / N					
Snag Trees:	Adequate	Inadequate	X											
Coarse Woody Material:	Adequate	X	Inadequate											
Dens		Nests (Raptors, songbirds, etc.)												
Wildlife Observed														
Comments		stream slopes, access along northeast boundary if possible or temporary crossing with permit												
STAND PRESCRIPTION														
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X							
Shelterwood Cut		Selection Cut		Patch Cut		X	Strip Cut							
Commercial Thinning		Afforestation		Site Preparation	X									
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt										
Pln. Maint.	X	Y / N		Stems/Ha										
Comments:		heavy Fiona windfall east (PO and WS), may access along northeast boundary?, (adjacent residence), patch of windfall, stream buffer, heavy damage adjacent field to north on 951243, damage adjacent original old woodlot road to north, damage less downslope (noted a few young SM and RM protect in 951244), may be some butt rot in stems due to advanced age on some, 70% to east damaged												

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		95187		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		3.14 ha		Date		15 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WS	50	32	17		4							
2	WS	50	36	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 (%)		WS90 %	PO10 %					WB(YB)					
Even-aged		Uneven-aged		*two							Biomass		
Slope		7 %	Aspect	N									
Stand Origin:		Old Field	X	Partial Cut	X	Burn		Unploughed					
		Windfall	X	Non Forest				Ploughed		X			
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration			Immature	X	Mature	X	Over-mature	X			
Stand Stocking:		Understocked			Fully Stocked		Overstocked		Patchy	X			
Density:		SW	500	HW	250								
Advanced Regeneration:		Understocked		X	Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp.			Height		2. Spp.		Height				
		3. Spp.			Height		4. Spp.		Height				
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		*patch cut raspberry, blackberry, pincherry, elderberry (noted hawthorne edge of spring and road openings), sensitive fern on seeps, willow, choke cherry											
Ground Hemlock		Y / N	X										
Invasive Species Present		X	Y / N		If yes then what species: *Scotch Pine noted								
Site Indicators		Y / N			If yes then what species:								
ENVIRONMENTAL OBSERVATIONS													
Water Course			Bog		Pond		Stream	X	Seeps	X	Beaver Present	Y / N	
Drainage:		Poor	X	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													
Comments		steep slope to south, old spring/seeps near old YB to southeast, seeps (sensitive fern), large WS snag											
STAND PRESCRIPTION													
No Treatment					Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut					Selection Cut		Patch Cut		Xmod	Strip Cut			
Commercial Thinning					Afforestation		Site Preparation	X					
Pre-commercial Thinning					Reforestation	X	Riparian Zone Mgmt						
Pln. Maint.		X	Y / N		Stems/Ha								
Comments:		strip younger old field WS to east near farm, older to crest of heavy slope with 85% windfall, old patch cut central (a bit wet), openings with hawthorne noted, WB and YB to southeast, old hedge to hardwood to south, patch salvage windfall if accessible route											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		951492		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		2.61 ha		Date		15 / 2 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WS	50	35	17		4							
2	WS	50	28	13		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	%	WB	%		%	apple, hawthorne					
Even-aged X		Uneven-aged						Biomass					
Slope		10 %	Aspect	N									
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					
Stand Stocking:		Understocked			Fully Stocked		Overstocked	Patchy X					
Density:		SW	750	HW									
Advanced Regeneration:		Understocked X			Fully Stocked		Overstocked	Patchy					
Regeneration:		1. Spp.	WB	Height	4	2. Spp.		Height					
		3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		openings with hawthorne, wild apple, serviceberrys (7 & 8m tall)											
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 X		Bog		Pond		Stream X	Seeps X		Beaver Present	Y / N			
Drainage:		Poor X	Moderate X	Good X	Excellent		Erosion Control Required		Y / N				
Snag Trees:		Adequate	Inadequate X										
Coarse Woody Material:		Adequate	Inadequate X										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments		seep 30m west of patch cut, buffers on slopes											
STAND PRESCRIPTION													
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut		Selection Cut		Patch Cut		Xmod	Strip Cut						
Commercial Thinning		Afforestation		Site Preparation		X							
Pre-commercial Thinning		Reforestation		X	Riparian Zone Mgmt								
Pln. Maint.		X	Y / N	Stems/Ha									
Comments:		old field WS with openings through, moderately limby (70% live crown), buffer stand with springs											
		and seeps, overall (leave stand natural to protect sensitive soils and slopes (could do small patch or											
		selective salvage for Fiona damage), overall relatively good with a few patches damaged											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		95342 & 95075		PLANTATION #					
PROPERTY #		219212, 804245 & 219204		AREA		9.58 ha		Date		15 / 2 / 2023			
								D		M		Y	
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	RM		18	16		4	WB		19	17			
2	BE		27	13		5	YB		17	15			
3	WB		20	19		6	RM		30	19			
STAND INFORMATION													
Stand Basal Area	SW	M ² /Ha	SWSL	M ² /Ha	HW	M ² /Ha	HWSL	M ² /Ha					
Species and (%)	RM40 %	SM20 %	BE10 %	YB10 %	WB (PO)								
Even-aged X	Uneven-aged		Biomass										
Slope	17 %	Aspect	N										
Stand Origin:	Old Field	Partial Cut	X	Burn	Unploughed X								
	Windfall	Non Forest		Ploughed									
	Clear Cut	Unknown											
Stand Maturity Class:	Regeneration		Immature	X	Mature	X	Over-mature						
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy						
Density:	SW	HW	1,500										
Advanced Regeneration:	Understocked		X	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													
Invasive Species Present Y / N If yes then what species:													
Site Indicators Y / N If yes then what species:													
ENVIRONMENTAL OBSERVATIONS													
Water Course	X	Bog		Pond		Stream	X	Seeps		Beaver Present	Y / N		
Drainage:	Poor	Moderate		Good	X	Excellent	X	Erosion Control Required		Y / N			
Snag Trees:	Adequate	Inadequate	X										
Coarse Woody Material:	Adequate	Inadequate	X										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed	22m Red Spruce noted												
Comments	significant slope, hardwood on unploughed forest, deep spring gully, 5% windfall (some leaning)												
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:	patch cut with codominant WB to north, exposed slope to the north (some Fiona windfall up-												
	slope to be cleared from road), overall leave this stand to continue to develop and monitor health,												
	mixed hardwood, a few 4m BF in the understory in sections, excellent form in codominant YB stems,												
	*reassess in 10 yrs for possible light crop tree release or selective thin to target quality stems												

Appendix G. Plantation Map with Contour Lines



Appendix H. Work Completed

<u>activity number</u>	<u>treatment code</u>	<u>amount completed</u>	<u>staff id</u>	<u>treatment date</u>	<u>treatment description</u>
0	1	1.4	59	10/13/1992	Class 1 Road Construction
2120538	11	900	40	10/24/2012	Landing Construction
	110	0.71	40	9/16/2013	Commercial Softwood< 5000 /Ha
	110	3.11	40	9/17/2013	Commercial Softwood< 5000 /Ha
4760025	110	2	40	6/6/2012	Commercial Softwood< 5000 /Ha
2120517	110	2	40	6/6/2012	Commercial Softwood< 5000 /Ha
2120518	110	1	40	6/6/2012	Commercial Softwood< 5000 /Ha
0	14	0.9	59	12/3/1992	Boundary Line Establishment
0	14	0.35	59	1/6/1993	Boundary Line Establishment
0	15	1	58	12/14/1992	Road right of way cutting
0	16	0.12	15	9/30/2000	Misc. Road Maintenance
0	16	0.12	49	5/16/2001	Misc. Road Maintenance
0	16A	4.62	15	8/26/2009	Manual roadside trimming (brush saw)
1130592	16A	1.38	26	9/20/2013	Manual roadside trimming (brush saw)
	16A	1.91	26	8/5/2014	Manual roadside trimming (brush saw)
	16A	2.15	26	9/29/2016	Manual roadside trimming (brush saw)
	16A	1.64	40	5/21/2020	Manual roadside trimming (brush saw)
	16B	2	62	10/1/2019	Mechanical roadside trimming
1190543	16B	1.64	40	10/9/2019	Mechanical roadside trimming
0	16B	2.77	15	4/1/2006	Mechanical roadside trimming
	16C	84	62	3/1/2021	Shale fill and leveling
0	29	2.3	15	1/18/2000	Raking Crawler Tractor-Root Rake:per Ha
	320	1	40	10/10/2018	Provincial Forest Sign Installation
1150651	400A	10	40	11/6/2015	Chainsaw Training
1150652	400A	10	40	11/27/2015	Chainsaw Training
	400A	10	40	11/7/2014	Chainsaw Training
	400A	10	40	11/21/2014	Chainsaw Training
1150508	400A	5	40	5/29/2015	Chainsaw Training
	430	3	40	5/26/2015	Garbage Cleanup
0	94	0	15	12/3/1997	Crop Tree Release
0	95	1	59	9/25/1992	Special Projects
	95	1	40	7/9/2015	Special Projects
	95	1	40	9/27/2013	Special Projects
	95	1	40	8/5/2014	Special Projects
	95	4	40	5/21/2020	Special Projects
0	96	16.5	58	1/28/1992 0	Cone Collection
2120516	97	69.67	40	8/6/2012	Wood Extraction
1130562	97	8	40	9/18/2013	Wood Extraction
	97	53.93	40	9/19/2013	Wood Extraction
	97	8	40	9/18/2013	Wood Extraction
	97	13.75	40	12/2/2015	Wood Extraction

