

Date: 2022-12-21

P.E.I.

Public Forests



Woodlot Management Plan

Property Number: 545467

Location: Conway

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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 # 545467 is located on the Conway Road, Route #175, in the community of Conway, P.E.I., (Appendix A). The total area of this property is 27.1 hectares (67 acres) and the midpoint of the property is Latitude N 46.66194 decimal degrees, Longitude W -64.00120 decimal degrees.

Past Information

With the exception of several hectares of woodland around the stream, local records and previous aerial photography show that the majority of this property was used for agricultural purposes early in the 20th century. To better illustrate this 1935 and 1968 photography can be seen in Appendix B and Appendix C.

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 Watercourse

There is one unnamed tributary located on this property. This tributary flows from south to north, eventually ending up in the Foxley River. There is also a one-hectare wetland located on the eastern boundary that originated from an abandoned excavation pit. A 15-metre buffer zone is to be maintained around this tributary and wetland. These observations can be viewed in Appendix A.

Property Access

There is a 300-metre class 1 forestry road located along the western boundary of the property and it provides access to the area west of the tributary. There is a short extraction road (200m) on the east portion of the property as well. The remainder of the property is accessed directly from the Conway Road. Ongoing road maintenance will be required to keep the forestry 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 this road usable. The existing road on the property can be seen on Appendix A.

Property Boundaries

This property is bounded on the north and east by private land and on the west by Provincial Forest. The southern boundary runs along the Conway Road.

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 Forestry Division and our local community fire brigades. In the Western District, there are four-wheel drive forestry fire trucks

housed at the Wellington and West Point Fire Departments. These heavy-duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire trucks, off road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available if needed. The tributary that flows through the western side of the property would be a suitable site to setup a portable fire pump system when water is flowing. As well, the open water wetland along the east boundary is also suitable to draw water for forest suppression activities.

Planting and Silviculture

There are four 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 G.

Proposed Treatments

The 2006 Forest Policy “Moving to Restore a Balance in Island Forests” lays out the framework for Public Land Forest management. The Eco-Manual provides details for prescribed treatments. All work completed on this property must comply with that manual. Table 1 provides a summary of the prescribed treatments on this property. This table will be updated as required when additional treatments are prescribed. For a better understanding of the treatments prescribed, a more detailed explanation is available in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL (“Eco Manual”)

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

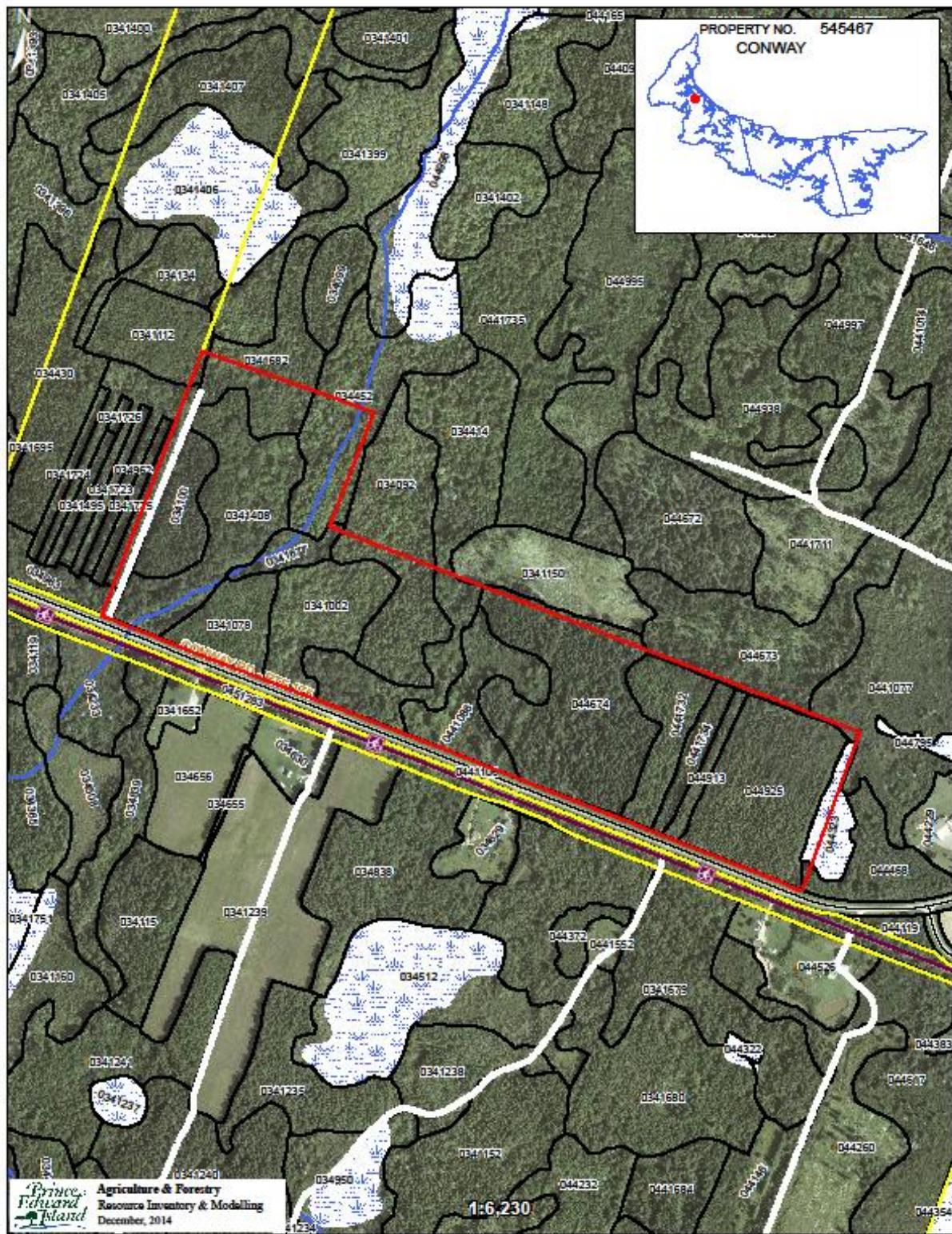
Table 1. Proposed Treatment Summary

Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Manual Reference	Comments	Goals
Road	Road Maintenance	2023	500m	Pg 12	Brush cutting	Improve road access
PN# 3811591 (ST 44925 & 0441734) PN 3680001 (ST 341078)	Block Harvest	2023	5.2 Ha	Pg 30	Retain a 15 m buffer along the wetland at the east end of the property and the stream on the west part of the property. These are BS plantations. PN 3811591 has significant blowdown after hurricane Fiona and PN 680001 is in decline with crowns <10%. There are two PSPs in PN 3811591. Contact the Inventory Section regarding harvest.	Salvage wood before further decline occurs
PN# 3811592 (ST 44913 & 441732)	Block Harvest	2023	1.6 Ha	Pg 30	This is a JL plantation on an old field site that is in decline. There are two PSPs in the stand. Contact the Inventory Section regarding harvest.	Salvage wood before further decline occurs
34414 (patch near rd. only) 34100 341682	Block Harvest	2023	2.7 Ha	Pg 30	These are mostly old field WS sites that have been affected by Dorion and Fiona hurricanes. Some blowdown is present.	Harvest mature wood
PN# 3811591 (ST 44925 & 0441734) PN 3680001 (ST 341078)	Manual Site Prep & Full Planting	2024	5.2 Ha	Pg 14, 16	Plant BS. WA can be incorporated into the stand for diversity and seed trees.	Regenerate the site to an ecologically suitable species. Increase species diversity.
PN# 3811592 (ST 44913 & 441732)	Manual Site Prep & Full Planting	2024	1.6 Ha	Pg 14, 16	Plant WS. RO and YB can be incorporated into the stand for seed trees.	Regenerate the site to an ecologically suitable species. Increase species diversity.
34414 (patch near rd. only) 34100 341682	Manual Site Prep & Full Planting	2024	2.7 Ha	Pg 14, 16	Plant WS. RO can be incorporated into the stand for seed trees.	Regenerate the site to an ecologically suitable species
44674	Block Harvest	2026	4.7 Ha	Pg 30	This is an old field WS site. Trees are large with big crowns and healthy.	Harvest mature wood

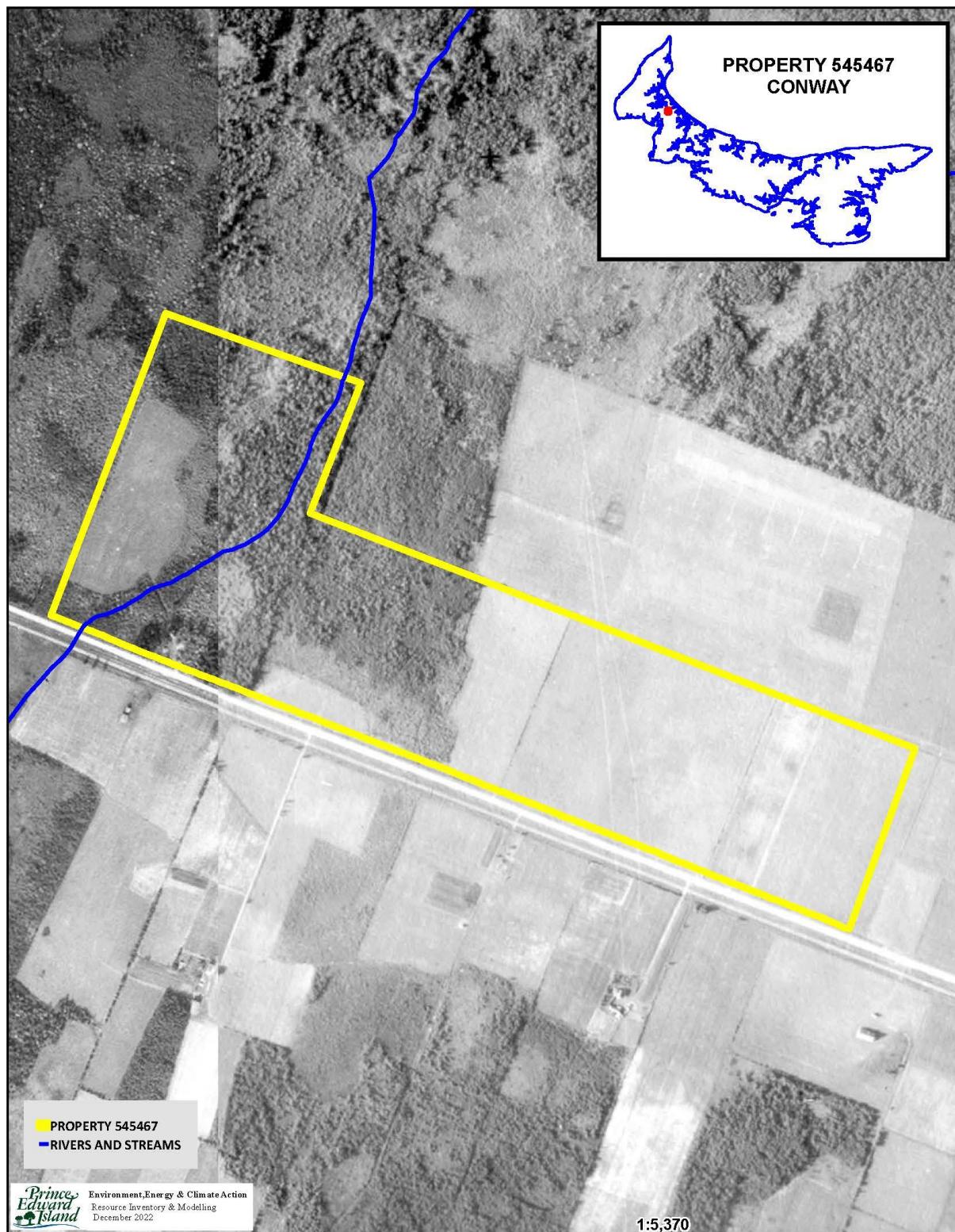
					Harvest when the stand starts to decline.	
34092 34414 (north portion) 441086	Tip Harvest from Cedar	AnyTime	2.3 Ha	-	Trees are not to be harvested – just branches/tips.	Harvest cedar tips for use in First Nations ceremonies
PN# 3811591 (ST 44925 & 0441734) PN 3680001 (ST 341078)	Manual Maintenance	2027	5.2 Ha	Pg 17	Manual Maintenance	Improve growth of crop trees
34414 (patch near rd. only) 34100 341682	Manual Maintenance	2027	2.7 Ha	Pg 17	Eliminate undesirable competing vegetation	Improve growth of crop trees
PN# 3811592 (ST 44913 & 441732)	Manual Maintenance	2027	1.6 Ha	Pg 17	Eliminate undesirable competing vegetation	Improve growth of crop trees
44674	Manual Site Prep & Full Planting	2027	4.7 Ha	Pg 14, 16	Plant WS. RO can be incorporated into the stand for seed trees.	Regenerate the site to an ecologically suitable species
44674	Manual Maintenance	2030	4.7 Ha	Pg 17	Eliminate undesirable competing vegetation	Improve growth of crop trees

Appendices

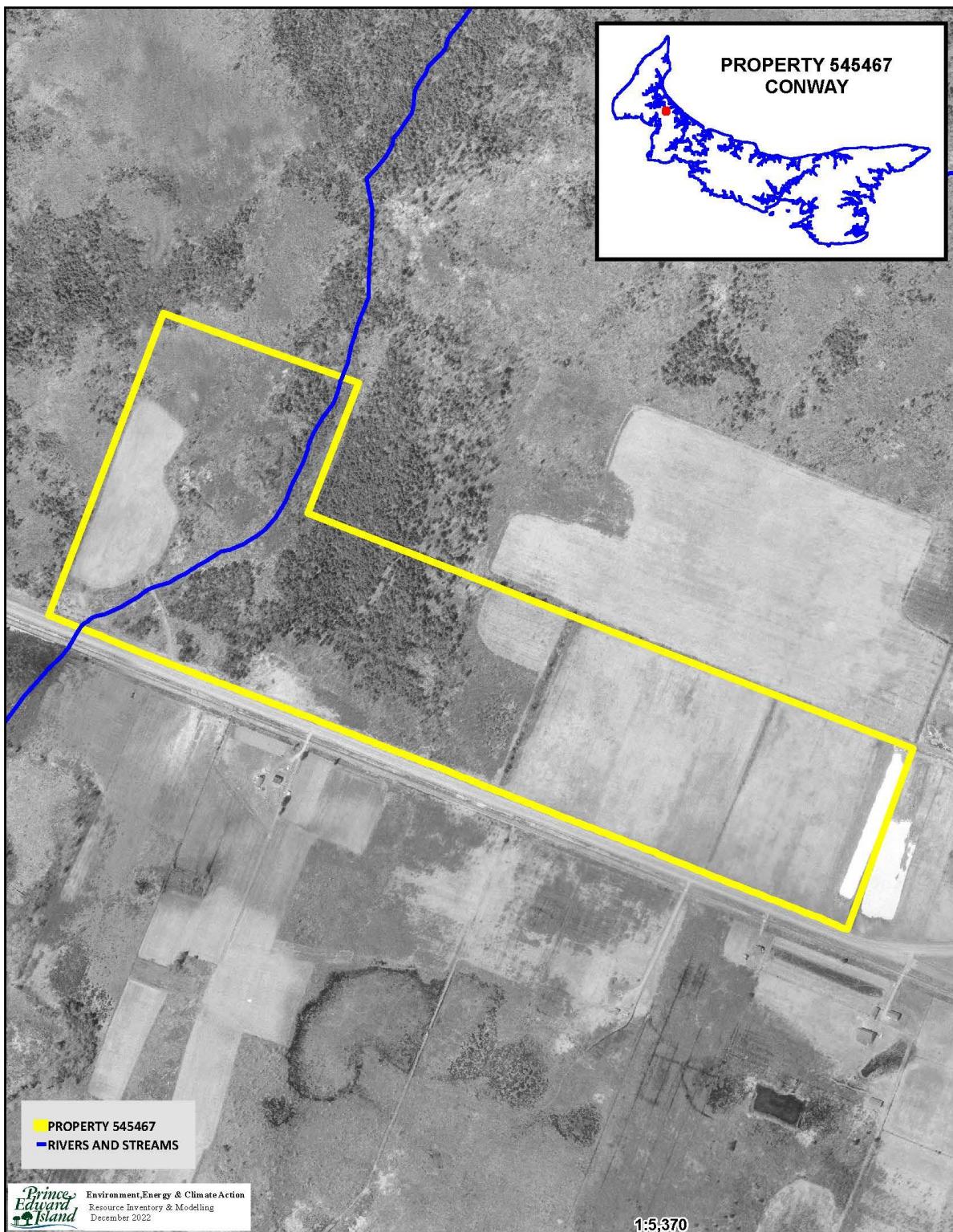
Appendix A. Map of Property with Locator Map



Appendix B. 1935 Aerial Photography



Appendix C. 1968 Aerial Photography



Appendix D. 2010 Corporate Land Use Inventory

FIELDID	COV1	PER1	COV2	PER2	COV3	PER3	COV4	PER4	COV5	PER5	HT	HECTARES
034100	WS	5.00	RS	3.00	BF	2.00		0.00		0.00	15.00	1.31
044674	WS	8.00	BF	2.00		0.00		0.00		0.00	13.00	4.45
044925	BS	8.00	PO	2.00		0.00		0.00		0.00	8.00	3.48
034092	BF	4.00	WS	2.00	RM	2.00	EM	1.00	WB	1.00	12.00	1.64
044913	JL	10.00		0.00		0.00		0.00		0.00	18.00	0.42
0441732	JL	10.00		0.00		0.00		0.00		0.00	18.00	1.43
0441734	BS	8.00	PO	2.00		0.00		0.00		0.00	8.00	0.60
0341112	BS	3.00	PO	3.00	RM	2.00	WB	2.00		0.00	6.00	0.04
034963	PO	4.00	RM	3.00	WB	2.00	BF	1.00		0.00	16.00	0.04
034962	PO	2.00	RM	2.00	WB	2.00	WS	2.00	RS	2.00	15.00	0.37
044673	CC	10.00		0.00		0.00		0.00		0.00	0.00	0.12
044468	PO	4.00	RM	3.00	WB	2.00	WS	1.00		0.00	7.00	0.04
0441077	AL	8.00	LA	1.00	WS	1.00		0.00		0.00	4.00	0.06
0341002	RM	4.00	WB	3.00	EM	1.00	BF	1.00	CE	1.00	10.00	2.04
0341150	CC	10.00		0.00		0.00		0.00		0.00	0.00	0.01
034452	RM	5.00	BF	2.00	RS	1.00	WB	1.00	EM	1.00	17.00	1.38
0341408	PO	4.00	RM	3.00	BF	2.00	WB	1.00		0.00	19.00	3.28
034414	RM	4.00	PO	2.00	WS	2.00	WB	1.00	BF	1.00	17.00	1.71
0341078	WS	4.00	RM	3.00	PO	3.00		0.00		0.00	10.00	1.30
0341677	AL	10.00		0.00		0.00		0.00		0.00	4.00	0.52
0341682	PO	4.00	RM	3.00	BF	2.00	WB	1.00		0.00	12.00	0.94
0441086	AL	8.00	RM	1.00	PO	1.00		0.00		0.00	4.00	1.77

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		

<u>PERCENT</u>		<u>CROWN CLOSURE</u>	
0	1 - 9%	A	91 % - 100%
1	10 – 19%	B	81 % - 90 %
2	20 – 29 %	C	71 % - 80 %
3	30 – 39 %	D	61 % - 70 %
4	40 – 49 %	E	51 % - 60 %
5	50 – 59 %	F	41 % - 50 %
6	60 – 69 %	G	31 % - 40 %
7	70 – 79 %	H	21 % - 30 %
8	80 – 89 %	I	11 % - 20 %
9	90 – 100 %	J	0 % - 10 %

ORIGIN AND HISTORY

BR	Burn	DI	Disease-Insect
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 Maple 40%

WS1 12A – White Spruce 10%, Height, Crown Closure

OF – Origin History Old Field

Stand Numbering relates to the position of the stand within a 100 X 100 grid cell 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	J. LeClair		STAND #	44925 & 441734		PLANTATION #	3811591					
PROPERTY #	545467		AREA	4.3	ha	Date	5 /	12 /	2022			
						D	M		Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	BS	42	21	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 (%)	BS7 %	LA1 %	GB1 %	BF1 %								
Even-aged	X	Uneven-aged										
Slope	level	%	Aspect									
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		Patchy					
Density:	SW 2500	HW										
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp. BF		Height	0.3	2. Spp. BS		Height	1 M				
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	wildraisen, aster, brracken fern, hair cap moss, strawberry											
Ground Hemlock	Y / N	X										
Invasive Species Present	Y / N	X	If yes then what species:									
Site Indicators	Y / N	X	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS												
Water Course	N	Bog	N	Pond	Y	Stream	N	Seeps	N	Beaver Present	N	Y / N
Drainage:	Poor	X	Moderate	X	Good		Excellent			Erosion Control Required	N	Y / N
Snag Trees:	Adequate		Inadequate	X								
Coarse Woody Material:	Adequate	X	Inadequate									
Dens	N	Nests (Raptors, songbirds, etc.)			N							
Wildlife Observed	None observed											
Comments	A wetland lies adjacent to the east boundary requiring a 15 m buffer.											
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 Black Spruce plantation with significant blowdown from hurricane Fiona. Harvest the stand. There are 2 PSPs in the stand. Discuss the PSPs with the Forestry Inventory Section well before harvest. Plant BS.											

STAND TALLY SHEET

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT			TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	JL	42	26	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 (%)	JL10	%	%	%	%			
Even-aged	X	Uneven-aged						
Slope level	%	Aspect						
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	X	Overstocked		Patchy	
Density:	SW	1400	HW					
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy	X
Regeneration:	1. Spp.	WS	Height	0.5m	2. Spp.	BF	Height	0.3m
	3. Spp.		Height		4. Spp.		Height	

GROUND OBSERVATIONS

Ground Vegetation Species Present:			wild raisin, aster		
Ground Hemlock			<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/> X
Invasive Species Present			<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/> X
			If yes then what species:		
Site Indicators			<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/> X
			If yes then what species:		

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N
Drainage:	Poor	Moderate	X	Good		Excellent		Erosion Control Required			N	Y / N
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:			Adequate	X	Inadequate							
Dens	X	Nests (Raptors, songbirds, etc.)			N							
Wildlife Observed			Squirrel caches were observed at the time of assessment									
Comments												

STAND PRESCRIPTION

STAND TALLY SHEET

CRUISER	Susan Rankin	STAND #	441086	PLANTATION #			
PROPERTY #	545467	AREA	1.8	ha	Date	16 / 12 / 2022	
					D	M	Y

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	AL			3	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 (%)	AL8 %	CE1 %	RMPO1 %	%				
Even-aged	X	Uneven-aged						
Slope level	%	Aspect						
Stand Origin:	Old Field	X	Partial Cut	Burn		Unploughed		
	Windfall		Non Forest			Ploughed	X	
	Clear Cut		Unknown					
Stand Maturity Class:	Regeneration		Immature	Mature		Over-mature		
Stand Stocking:	Understocked	X	Fully Stocked		Overstocked		Patchy	
Density:	SW	HW	50					
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy	X
Regeneration:	1. Spp. BF		Height	0.3	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	X	If yes then what species:						
Site Indicators	Y / N	X	If yes then what species:						

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N
Drainage:	Poor	X	Moderate		Good		Excellent			Erosion Control Required	N	Y / N
Snag Trees:	Adequate		Inadequate	X								
Coarse Woody Material:	Adequate		Inadequate	X								
Dens	N	Nests (Raptors, songbirds, etc.)	N									
Wildlife Observed	None observed											
Comments	No environmental concerns. This is a very wet site-potential wetland.											

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 wet abandoned old field site that has regenerated to alder with scattered cedar and maple.						
	The site has poorer soils. Reclaiming the site to forested land is not warranted as it is wet and is						
	not a good growing site for a commercial forest. First Nations can harvest cedar tips for ceremonial purposes.						

STAND TALLY SHEET

CRUISER	Susan Rankin	STAND #	34092	PLANTATION #	
PROPERTY #	545467	AREA	1.7	ha	Date 16 / 12 / 2022 D M Y

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	CE	56	23	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 (%)	CE9	%	RM1	%	%	%	BSWB	
Even-aged	X	Uneven-aged						
Slope	level	%	Aspect	level				
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed	
	Windfall		Non Forest				Ploughed	
	Clear Cut		Unknown	X				
Stand Maturity Class:	Regeneration		Immature		Mature	X	Over-mature	
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy	
Density:	SW 1400	HW 200						
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	
Regeneration:	1. Spp. CE		Height 20cm		2. Spp.		Height	
	3. Spp. BF		Height 10-20cm		4. Spp.		Height	

GROUND OBSERVATIONS

Ground Vegetation Species Present:	Grasses, ferns, alder		
Ground Hemlock	Y / N	X	
Invasive Species Present	Y / N	X	If yes then what species:
Site Indicators	Y / N	X	If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	N	Pond	N	Stream	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	X	Inadequate									
Dens	N	Nests (Raptors, songbirds, etc.)			N							
Wildlife Observed	None observed											
Comments	No environmental concerns. This is a borderline wetland.											

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 cedar stand. Let the stand grow and evolve naturally. Cedar is not to be harvested; however, cedar tips/branches can be harvested by First nations provided it does not damage the tree.					

STAND TALLY SHEET

CRUISER	Susan Rankin	STAND #	341002			PLANTATION #					
PROPERTY #	545467		AREA	2	ha	Date	16	/	12	/	2022
							D		M		Y

SAMPLE TREE INFORMATION

STAND INFORMATION

Stand Basal Area	SW	M ² /Ha	SWSL	M ² /Ha	HW	M ² /Ha	HWSL	M ² /Ha	
Species and (%)	RM5	%	WB1	%	PO3	%	BF1	%	YB, CE
Even-aged	X	Uneven-aged							
Slope	_____	%	Aspect	level					
Stand Origin:	Old Field		Partial Cut		Burn	_____	Unploughed	_____	
	Windfall		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	2,000					
Advanced Regeneration:	Understocked	_____	Fully Stocked	_____	Overstocked	_____	Patchy	_____	
Regeneration:	1. Spp.	BF	Height	0.5 - 1m	2. Spp.	BS	Height	0.5-2.0m	
	3. Spp.	CE	Height	2.0-4m	4. Spp.		Height		

GROUND OBSERVATIONS

Ground Vegetation Species Present:		Bracken fern, grasses, alder, willow, rose, gr. Hemlock		
Ground Hemlock		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Y / N
Invasive Species Present		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Y / N
				If yes then what species:
Site Indicators		<input type="checkbox"/>	<input checked="" type="checkbox"/>	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	No environmental concerns											

STAND PRESCRIPTION

STAND TALLY SHEET

CRUISER	Susan Rankin	STAND #	341677	PLANTATION #	
PROPERTY #	545467	AREA	0.5	ha	Date 16 / 12 / 2022
					D M Y

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
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 (%)	AL	%	RM	%	%	%		
Even-aged	X	Uneven-aged						
Slope	level	%	Aspect					
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.		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	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						
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 riparian area for a stream that runs through the property. It is composed mostly of alder with RM, WB, and BF scattered throughout. No treatment is warrented.					

STAND TALLY SHEET

CRUISER	Susan Rankin	STAND #	341408		PLANTATION #				
PROPERTY #	545467		AREA	3.3 ha	Date	16 /	12 /	2022	
						D	M	Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT			TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RM	58 est	24	20			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 (%)	RM3	%	PO3	%	WB2	%	WS1	%	BF1
Even-aged	X	Uneven-aged							
Slope	_____	%	Aspect	level					
Stand Origin:	Old Field	X	Partial Cut		Burn	_____	Unploughed	_____	
	Windfall		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	800	HW	1,400					
Advanced Regeneration:	Understocked	_____	Fully Stocked	_____	Overstocked	_____	Patchy	X	
Regeneration:	1. Spp.	BF	Height	0.3	2. Spp.	_____	Height	_____	
	3. Spp.	RM	Height	0.4	4. Spp.	_____	Height	_____	

GROUND OBSERVATIONS

Ground Vegetation Species Present:	sheeps laurel, bracken fern, bunch berry, wild raisin		
Ground Hemlock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Invasive Species Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes then what species:
Site Indicators	<input type="checkbox"/>	<input checked="" type="checkbox"/>	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	Y	Nests (Raptors, songbirds, etc.)										
Wildlife Observed		Woodpecker holes in old maple. Squirrel cache.										
Comments	Retain a 15' buffer along the stream.											

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 scattered SW. The PO, WB and SW could be removed but at this time there is no market for the PO. No work is recommended at this time. This can be reassessed should there be a market for PO.					

STAND TALLY SHEET

CRUISER	Susan Rankin	STAND #	34452	PLANTATION #	
PROPERTY #	545467	AREA	1.8 ha	Date	16 / 12 / 2022

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RM		31	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 (%)	PO5 %	RM3 %	BF1 %	WS1 %			WB	
Even-aged	X	Uneven-aged						
Slope	level	%	Aspect					
Stand Origin:	Old Field		Partial Cut	X	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	200	HW	1,200				
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy	X
Regeneration:	1. Spp. BF		Height 0.2-1.0m		2. Spp. GB		Height 1.0m	
	3. Spp. BS		Height 0.4m		4. Spp.		Height	

GROUND OBSERVATIONS

Ground Vegetation Species Present:	ferns
Ground Hemlock	Y / N X
Invasive Species Present	Y / N X

If yes then what species:

Site Indicators Y / N X If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course	Y	Bog	N	Pond	N	Stream	Y	Seeps	N	Beaver Present	N	Y / N
Drainage:	Poor	X	Moderate		Good		Excellent			Erosion Control Required	N	Y / N
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:	Adequate	X	Inadequate									
Dens	N	Nests (Raptors, songbirds, etc.)	N									
Wildlife Observed	None observed											
Comments	Retain a 15 m buffer along the stream											

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 borders a stream. No work is recommended at this time as it is a HW stand.					

STAND TALLY SHEET

CRUISER	Susan Rankin	STAND #	341682	PLANTATION #				
PROPERTY #	545467	AREA	0.9 ha	Date	16 /	12 /	2022	
					D	M	Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	48	28	21		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 (%)	WS2	%	BF3	%	RM2	%	BS1	%
Even-aged	X	Uneven-aged					WBPO2	
Slope	level	%	Aspect	level				
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	X	Overstocked		Patchy	
Density:	SW	2000	HW	200				
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	
Regeneration:	1. Spp.	none	Height		2. Spp.		Height	
	3. Spp.		Height		4. Spp.		Height	

GROUND OBSERVATIONS

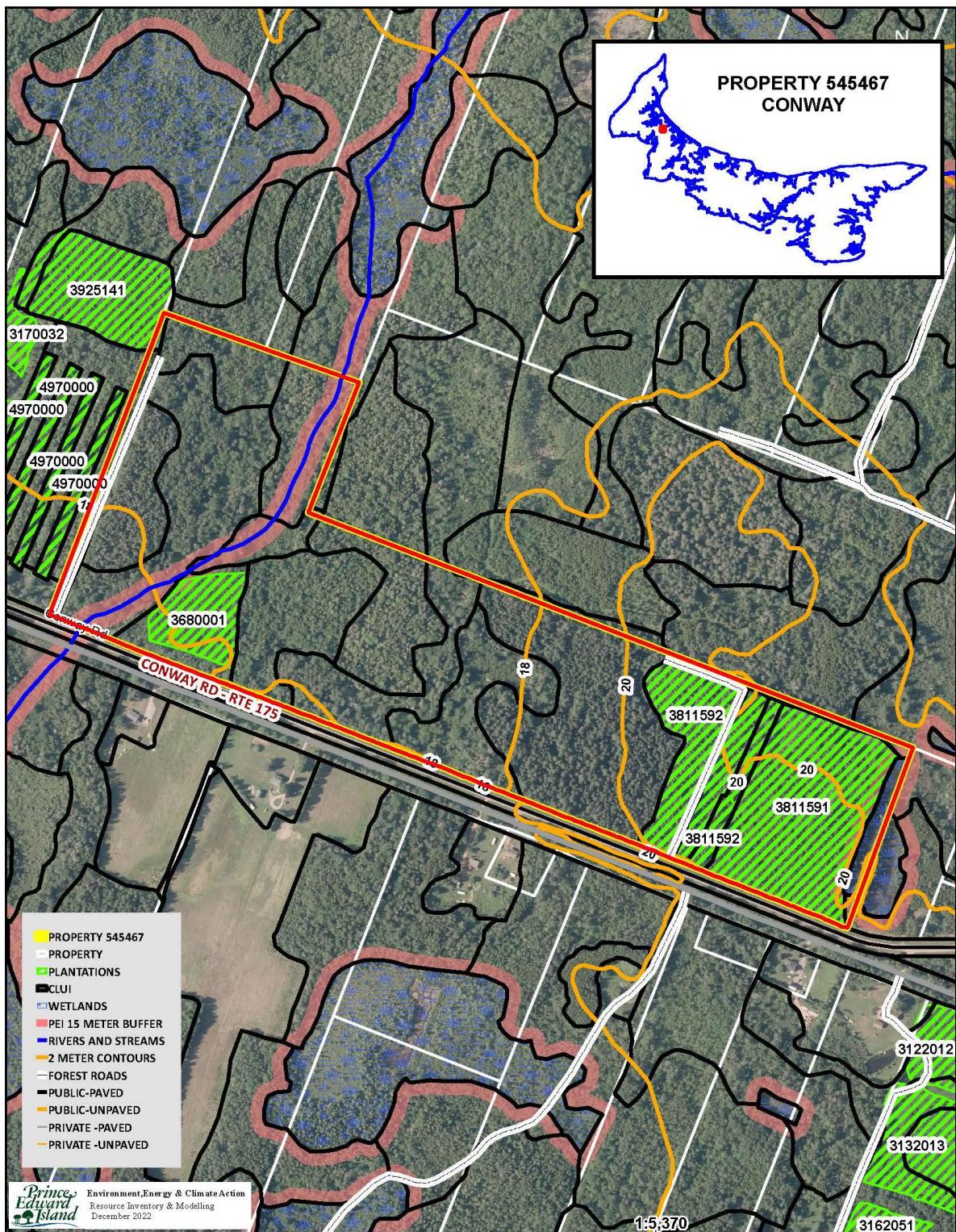
Ground Vegetation Species Present:		bunch berry, sheep laurel, wild raisin		
Ground Hemlock		<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> N
Invasive Species Present		<input type="checkbox"/> Y	<input type="checkbox"/> N	If yes then what species: _____
Site Indicators		<input type="checkbox"/> Y	<input type="checkbox"/> 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	Y	Nests (Raptors, songbirds, etc.)	N									
Wildlife Observed	Squirrel caches observed											
Comments	No environmental concerns											

STAND PRESCRIPTION

Appendix G. Plantation Map with Contour Lines



Appendix H. Work Completed

Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
0	106	0.41	10/5/1994	Class 6 PCT Softwood< 6 M 25001+/Ha
3811592	110	1.41	2/2/2000	Commercial Softwood< 5000 /Ha
0	110	1.15	11/4/1993	Commercial Softwood< 5000 /Ha
0	15	0.2	2/2/2000	Road right of way cutting
0	301	0.79	5/17/1991	Class I PCT Softwood > 6 M 0-5000
3811591	30B	2388	6/15/1992	Manual Site Preparation per Site (Hawk)
3811591	56W	3.35	6/15/1992	WHITE PINE - WESTERN
3811591	56W	2388	6/15/1992	WHITE PINE - WESTERN
3811592	58WF	1240	10/27/2006	FILL PLANT YELLOW BIRCH - WESTERN
3831651	88C	0.6	9/5/1991	Class 3 : Manual : 10001-15000/Ha <6 Metres
3811591	88C	3.35	9/5/1991	Class 3 : Manual : 10001-15000/Ha <6 Metres
3811591	88C	0.55	10/23/1991	Class 3 : Manual : 10001-15000/Ha <6 Metres