December 8, 2021

P.E.I.

Public Forests

Woodlot Management Plan

Property Number: 39040

Location: Duvar

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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 # 39040 is located on the Duvar Road, in the community of Duvar, P.E.I., (Appendix A). The total area of this property is 32.4 hectares (80 acres) and the midpoint of the property is Latitude N 46.74889 decimal degrees, Longitude W -64.25774 decimal degrees.

Past Information

Local records and previous aerial photography show that this property has remained as forested land; however, the 1935 aerial photography shows extensive harvesting activity on the property and the 1968 photography shows that harvest activity has been ongoing. To better illustrate this 1935 and 1968 photography can be seen in Appendix B. Harvest activity and patterns have created the forest species and age class structure seen on the property today.

Property Information

The information in Appendix C has been taken from the 2010 Corporate Land Use Inventory. An explanation of forestry code meanings can be seen in Appendix D. 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 E) 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 F).

Wetland and Watercourses

There are no streams or watercourses on this property. This observation can be viewed in Appendix A.

Rare Plants

Rattlesnake Fern (Botrypus virginianus) was identified in the red pine plantation (PN 3945151). It has an S3 ranking at the provincial level and Should any work occur in this plantation the rare plant is to be located and protected.

Property Access

A large swale runs through the southern portion of the property. Access south of the swale is via the Duvar Road. Access to lands north of the swale is via a Class I woods road network that services several public land properties. Ongoing road maintenance for that portion of the road that crosses the property 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, re-ditching, 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 south by the Duvar Road and east and north by private land. The west boundary borders public land (PID 39024). The east boundary has a boundary line established. The boundary line is partially cut and the rest is well blazed and painted (red paint) and easy to follow. It would be advantageous to open the complete boundary for future ease of property identification.

Fire Protection

This property is located within the jurisdiction of the O'Leary 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 is a 900 gallon (gal) four-wheel drive forestry fire truck housed at each of the Wellington and West Point Fire Departments. These heavy duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire trucks, off road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available if needed. A stream crosses the Duvar Road near this property that would be a suitable site to setup a portable fire pump system during water flows.

Planting and Silviculture

There are three (3) 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. Although all stands were assessed, only specific stands were prescribed treatments to accomplish goal(s) within the next 10 years. Table 1 provides a summary of these proposed treatments. Proposed treatments may be updated in 5 years,

when the 10-year period expires, or due to unforeseen events. This table will be updated as required when additional treatments are prescribed. For a better understanding of the treatments prescribed, a more detailed explanation is available in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL ("Eco Manual") www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-_final.pdf . Any additional information may be obtained by contacting a Provincial Forest representative at the District Forestry Office in Wellington.

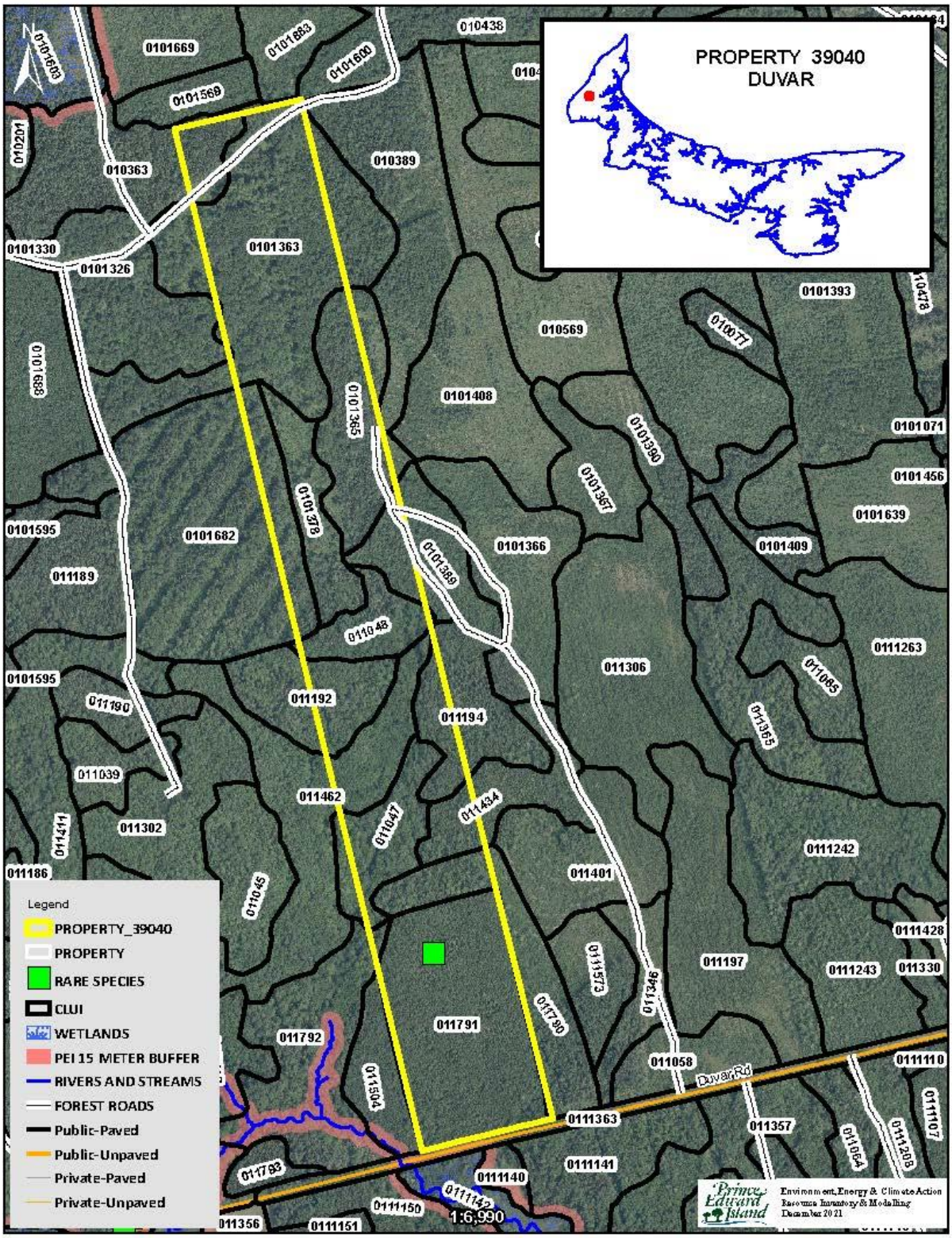
Table 1. Proposed Treatment Summary.

Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco-Manual Reference	Comments	Goals
Road	Road Maintenance, Fill, Road Re-construction	2022	220 m	Pg 9, 11, 12	Brush cutting, fill, grading, ditching	Improve road access
Rare Plant PN 394515	Rare Plant In RP Plantation	-	-	-	Locate and protect rare plant. Consult rare plant specialist within the FFW Division regarding protection measures should any work be completed on the stand in the future.	Protect Rare Plant
11434 11194 11192 11048 101378 101365 10363	Block Harvest	2023	8.6	Pg 30	These are SW dominated stands that are mature to overmature requiring harvest. Some of the stands are separated by HW dominated stands creating a mosaic harvest pattern. ECO-Plan biodiversity and wildlife forest/tree retention requirements will be followed. As well, any areas void of SW within the stand will be retained. RM and WP will be retained.	Salvage mature and overmature softwood
11790 101389 101363	Block Harvest (modified)	2023	2.4	Pg 30	These stands are HW or mixwood dominant. Chase the SW for harvest and keep the remainder of the stand as is. Harvest will add species and structural diversity to these stands which is valued for wildlife.	Salvage mature and overmature softwood
PN 3070021	Manual Plantation Maintenance	2023	0.8	Pg 17	This PN is a result of chasing SW throughout a HW stand. Harvest areas were planted	Improve growth of crop trees

					to WP which are becoming suppressed from PO, GB and RM competition. Retain some RM during treatment. Road access is required to treat the stand.	
PN 3130031	Manual Plantation Maintenance	2023	2.0	Pg 17	These are strip cuts that were reforested. The crop trees are doing well but a maintenance is required to keep the trees growing to their potential. Road access is required to treat the stand.	Improve growth of crop trees
11434 11194 11192 11048 101378 101365 10363	Manual Site Preparation and Planting	2024	8.6	Pg 14, 16	Plant with species ecologically suited to the site. Natural SW and RM regeneration are expected to supplement stocking and add diversity to the site.	Reforest the site.
11790 101389 101363	Manual Site Preparation and Planting	2024	2.4	Pg 17, 16	Prepare plantable spots and plant species ecologically suited to the site. Natural SW and RM regeneration are expected to supplement stocking and add diversity to the site.	Reforest the harvest site
101682	Strip Harvest	2024	0.9	Pg 28	Harvest retention strips. Previous harvested strips are regenerated.	Salvage mature and overmature wood
101682	Manual Site Preparation and Planting	2025	0.9	Pg 17, 16	Prepare plantable spots and plant species ecologically suited to the site. Natural SW and RM regeneration are expected to supplement stocking and add diversity to the site.	Reforest the harvest site
11434 11194 11192 11048 101378 101365 10363	Manual Plantation Maintenance	2028	8.6	Pg 17	Competition to crop trees is expected from PO, GB and RM. Maintain when required to prevent crop trees from becoming suppressed. Follow ECO-Plan biodiversity requirements in selecting species to be cut.	Improve growth of crop trees
11790 101389 101363	Manual Plantation Maintenance	2029	2.4	Pg 17	Reduce HW competition to keep the SW crop trees from becoming suppressed.	Improve growth of crop trees
101682	Manual Plantation Maintenance	2029	0.9	Pg 17	Eliminate undesirable competing vegetation	Improve growth of crop trees

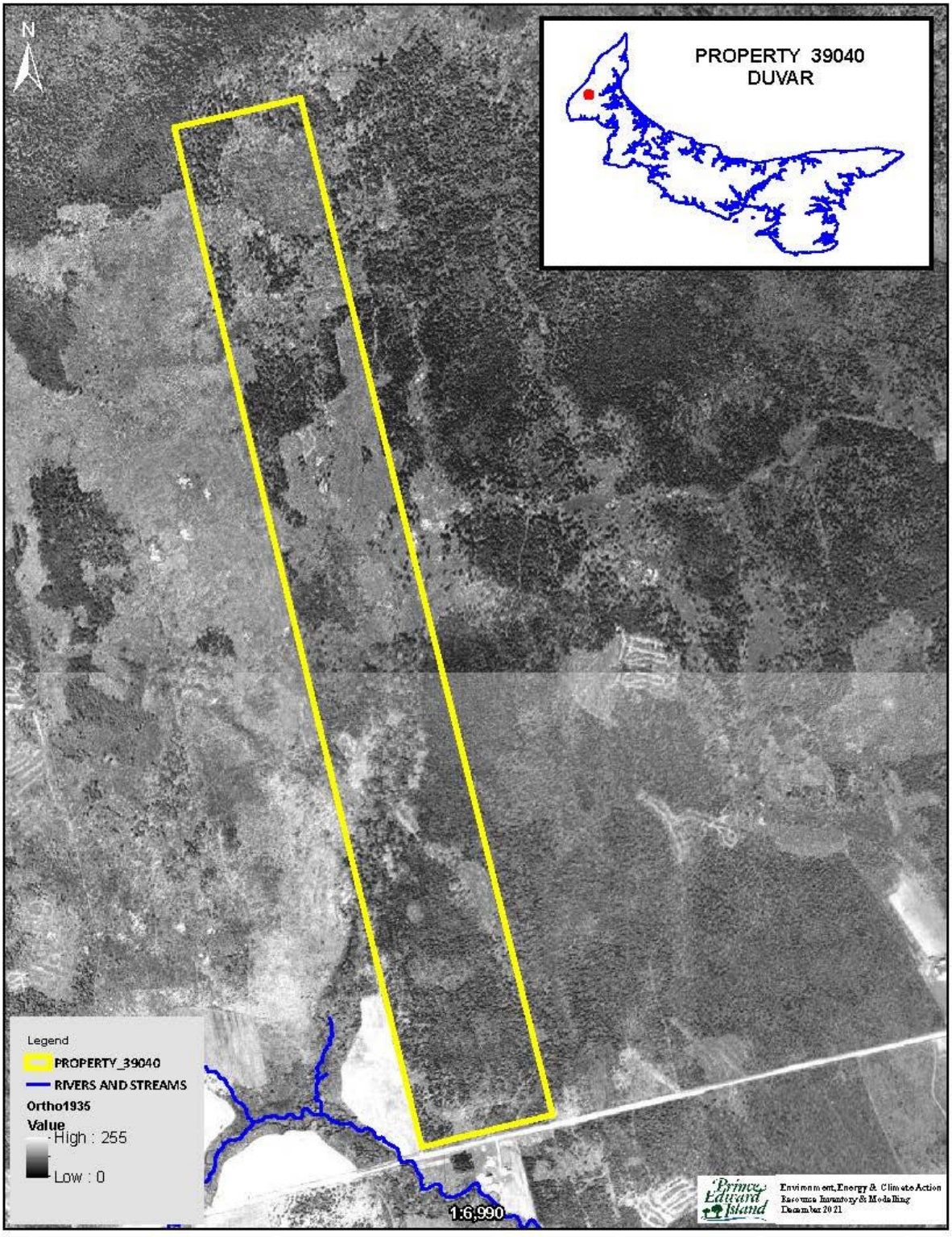
Appendices

Appendix A. Map of Property with Locator Map

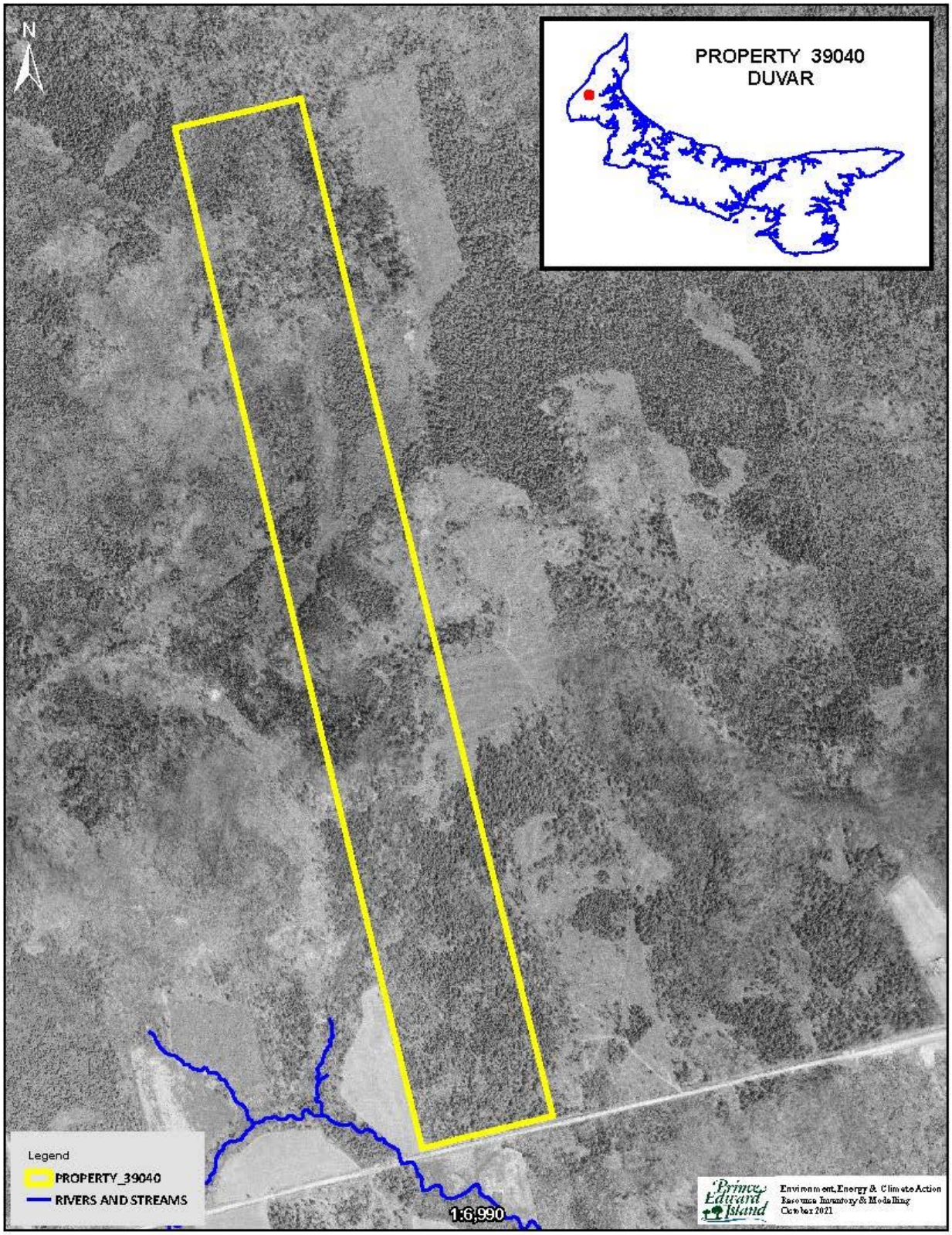


Appendix B. 1935 and 1968 Aerial Photography

1935 Aerial Photography



1968 Aerial Photography



Appendix C. 2010 Corporate Land Use Inventory

FIELDID	COV1	PER1	COV2	PER2	COV3	PER3	COV4	PER4	COV	PER5	HT	HA
0101682	WP	5.00	WS	3.00	RM	1.00	PO	1.00		0.00	19.00	1.55
011194	BS	6.00	RM	2.00	PO	1.00	BF	1.00		0.00	14.00	1.07
011790	RM	3.00	BF	3.00	BS	2.00	PO	2.00		0.00	15.00	1.13
011791	RP	8.00	WP	1.00	WB	1.00		0.00		0.00	7.00	7.16
011504	WS	6.00	WB	4.00		0.00		0.00		0.00	6.00	0.00
0101378	RM	3.00	LA	3.00	BS	2.00	BF	2.00		0.00	18.00	2.08
010389	WS	4.00	RM	3.00	LA	1.00	WB	1.00	BF	1.00	15.00	0.00
010363	WS	7.00	BS	2.00	LA	1.00		0.00		0.00	12.00	0.89
0101365	BS	5.00	LA	2.00	RM	2.00	BF	1.00		0.00	16.00	2.98
011192	RM	5.00	WS	2.00	PO	1.00	BF	1.00	BS	1.00	16.00	1.38
011434	RM	4.00	WB	3.00	BS	2.00	BF	1.00		0.00	12.00	0.81
011462	RM	6.00	PO	2.00	SM	1.00	WS	1.00		0.00	20.00	1.78
011047	RM	6.00	PO	2.00	SM	1.00	WS	1.00		0.00	19.00	1.93
011792	RM	5.00	WS	2.00	BF	2.00	PO	1.00		0.00	21.00	0.11
0101600	WB	5.00	PO	2.00	RM	2.00	WS	1.00		0.00	9.00	0.00
0101326	PO	6.00	RM	2.00	WS	1.00	WB	1.00		0.00	20.00	0.02
0101363	PO	5.00	RM	2.00	BS	2.00	WB	1.00		0.00	19.00	6.99
0101389	RM	4.00	BF	2.00	LA	2.00	WB	2.00		0.00	14.00	0.91
011048	RM	6.00	WS	2.00	BF	1.00	WB	1.00		0.00	15.00	1.53

Appendix D. 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		**CROWN CLOSURE**	
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 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 E. Stand Tally Sheets from on the Ground Assessment

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11791		PLANTATION #	3945151	
PROPERTY #	39040	AREA	6.5	ha	Date	25 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RP	27	5	6	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 (%)	RP7	%	BS1	%	LA1	%	WP1	%	WB, GB, BF										
Even-aged	X	Uneven-aged											Biomass						
Slope	1	%	Aspect	SE															
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed												
	Windfall		Non Forest				Ploughed												
	Clear Cut		Unknown																
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature												
Stand Stocking:	Understocked		Fully Stocked		Overstocked		Patchy												
Density:	SW	2,000	HW	600															
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:	wild raisin, bunch berry, dewberry																		
Ground Hemlock		Y / N	X																
Invasive Species Present		Y / N		If yes then what species:															
Site Indicators		Y / N		If yes then what species:															

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N										
Drainage:	Poor	X	Moderate		Good		Excellent												
Snag Trees:	Adequate	X	Inadequate																
Coarse Woody Material:	Adequate	X	Inadequate																
Dens	N	Nests (Raptors, songbirds, etc.)	N																
Wildlife Observed	Heard squirrels																		
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 RP plantation is doing well. The RP and WP have a lot of forked tops. Some of the RP is																		
	showing dominance. Because of the forked tops no work is recommended on this stand. The BS																		
	natural regen is suppressed. A rare plant is located in this stand. If any work is to be completed in																		
	the future, consult a rare plant specialist on protection measures.																		

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11790		PLANTATION #		
PROPERTY #	39040	AREA	1.1	ha	Date	25 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BF		32	16	4				
2	BF		16	10	5				
3	BS		38	18	6				

STAND INFORMATION

Stand Basal Area SW ____ M^2/Ha SWSL ____ M^2/Ha HW ____ M^2/Ha HWSL ____ M^2/Ha

Species and (%) BF3 % PO2 % RM2 % GB2 % WS1

Even-aged ____ Uneven-aged X 2 aged Biomass ____

Slope level % Aspect ____

Stand Origin: Old Field ____ Partial Cut ____ Burn ____ Unploughed ____

Windfall ____ Non Forest ____ Ploughed ____

Clear Cut X Unknown ____

Stand Maturity Class: Regeneration ____ Immature ____ Mature X Over-mature X

Stand Stocking: Understocked ____ Fully Stocked X Overstocked ____ Patchy ____

Density: SW 800 HW 800

Advanced Regeneration: Understocked X Fully Stocked ____ Overstocked ____ Patchy ____

Regeneration: 1. Spp. BF Height 0.5-5.0m 2. Spp. ____ Height ____

3. Spp. ____ Height ____ 4. Spp. ____ Height ____

GROUND OBSERVATIONS

Ground Vegetation Species Present: clubmoss, ferns, blueberry, bunchberry, twin flower

Ground Hemlock ____ Y / N X

Invasive Species Present ____ Y / N ____ If yes then what species: ____

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

ENVIRONMENTAL OBSERVATIONS

Water Course N Bog N Pond N Stream N Seeps N Beaver Present N Y / N

Drainage: Poor X Moderate ____ Good ____ Excellent ____ Erosion Control Required N Y / N

Snag Trees: Adequate X Inadequate ____

Coarse Woody Material: Adequate X Inadequate ____

Dens N Nests (Raptors, songbirds, etc.) N

Wildlife Observed Saw squirrels. Snag trees have cavities.

Comments ____

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut	
Commercial Thinning		Afforestation		Site Preparation	X		
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt			

Pln. Maint. X Y / N ____ Stems/Ha ____

Comments: This is a mixed wood stand that is two-aged. The ground is decent but the stand is scraggly. BF is 2nd growth. Harvest the SW, WB and some PO. There is a low volume of wood present but the stand can be cut in conjunction with adjacent stands. Retain the RM and some PO. Plant WS.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11194		PLANTATION #		
PROPERTY #	39040	AREA	1.1	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	LA	53	27	17	4				
2	BF	55	16	14	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 (%)	LA2	%	WSBS4	%	BF3	%		%	PORM1										
Even-aged	X	Uneven-aged											Biomass						
Slope	level	%	Aspect																
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed												
	Windfall		Non Forest				Ploughed												
	Clear Cut		Unknown																
Stand Maturity Class:	Regeneration		Immature		Mature	X	Over-mature												
Stand Stocking:	Understocked		Fully Stocked		Overstocked	X	Patchy												
Density:	SW	3,000	HW	50															
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy												
Regeneration:	1. Spp.	BF	Height	0.1m	2. Spp.		Height												
	3. Spp.		Height		4. Spp.		Height												

GROUND OBSERVATIONS

Ground Vegetation Species Present: laurel, star flower, wild raisin, blueberry, twin flower. Dense stand so vegetation sparse.

Ground Hemlock X Y / N

Invasive Species Present Y / N If yes then what species:

Site Indicators Y / N If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N							
Drainage:	Poor	X	Moderate		Good		Excellent		Erosion Control Required	N	Y / N								
Snag Trees:	Adequate	X	Inadequate																
Coarse Woody Material:	Adequate	X	Inadequate																
Dens	N	Nests (Raptors, songbirds, etc.)	N																
Wildlife Observed	Heard squirrels																		
Comments																			

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X												
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut													
Commercial Thinning		Afforestation		Site Preparation	X														
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt															
Pln. Maint.	X	Y / N		Stems/Ha															

Comments: This is a nice stand of wood. The ground is good. Harvest in 1-2 years. Plant WS. There will be heavy slash left on-site due to a lot of small unmerchantable BF.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11047		PLANTATION #		
PROPERTY #	39040	AREA	2.0	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	PO		45	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 (%) RM5 % PO2 % WB1 % SM1 % GB1, BFWSLA

Even-aged X Uneven-aged ____ Biomass ____

Slope level % Aspect ____

Stand Origin: Old Field ____ Partial Cut ____ Burn ____ Unploughed ____

Windfall ____ Non Forest ____ Ploughed ____

Clear Cut X Unknown ____

Stand Maturity Class: Regeneration X Immature ____ Mature ____ Over-mature X

Stand Stocking: Understocked ____ Fully Stocked X Overstocked ____ Patchy ____

Density: SW 50 HW 100

Advanced Regeneration: Understocked X Fully Stocked ____ Overstocked ____ Patchy ____

Regeneration: 1. Spp. BF Height 0.2-4.0m 2. Spp. ____ Height ____

3. Spp. ____ Height ____ 4. Spp. ____ Height ____

GROUND OBSERVATIONS

Ground Vegetation Species Present: aster, ferns, twin flower, golden rod, bracken fern, wild raisin, rose, clubmoss, hazelnut, ground pine

Ground Hemlock X Y / N ____

Invasive Species Present ____ Y / N ____ If yes then what species: ____

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

ENVIRONMENTAL OBSERVATIONS

Water Course N Bog N Pond N Stream N Seeps N Beaver Present N Y / N

Drainage: Poor X Moderate ____ Good ____ Excellent ____ Erosion Control Required N Y / N

Snag Trees: Adequate X Inadequate ____

Coarse Woody Material: Adequate X Inadequate ____

Dens N Nests (Raptors, songbirds, etc.) N

Wildlife Observed None observed

Comments ____

STAND PRESCRIPTION

No Treatment		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, mostly RM/SM, with thick BF regeneration 2-3 m tall. The ground is good. No work is recommended for this stand.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11434		PLANTATION #		
PROPERTY #	39040	AREA	0.8	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	LA		27	17	4				
2	BF		16	14	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 (%)	LA2	%	WSBS4	%	BF3	%		%	PORM1										
Even-aged	X	Uneven-aged											Biomass						
Slope	%	Aspect																	
Stand Origin:	Old Field		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		Overstocked	X	Patchy												
Density:	SW	3,000	HW	50															
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy												
Regeneration:	1. Spp.	BF	Height	0.2-0.5m	2. Spp.		Height												
	3. Spp.	RM	Height	0.2-0.5m	4. Spp.		Height												

GROUND OBSERVATIONS

Ground Vegetation Species Present: laurel, star flower, wild raisin. Blueberry, twin flower. Dense stand therefore vegetation sparse

Ground Hemlock X Y / N

Invasive Species Present Y / N If yes then what species:

Site Indicators Y / N If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N							
Drainage:	Poor	X	Moderate	X	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	Heard squirrels																		
Comments																			

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X												
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut													
Commercial Thinning		Afforestation		Site Preparation	X														
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt															
Pln. Maint.	X	Y / N		Stems/Ha															

Comments: Good ground. Nice stand of wood.. Mature but healthy. Harvest in 2-5 years. There will be heavy slash left on-site post harvest due to a lot of small BF. Plant WS.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11462		PLANTATION #		
PROPERTY #	39040	AREA	1.7	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	SM		36	17	4				
2					5				
3					6				

STAND INFORMATION

Stand Basal Area	SW		M^2/Ha	SWSL		M^2/Ha	HW		M^2/Ha	HWSL		M^2/Ha							
Species and (%)	RM3	%	SM7	%		%		%	YB, PO										
Even-aged	X		Uneven-aged	S									Biomass						
Slope		%	Aspect																
Stand Origin:	Old Field			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		HW	2,200															
Advanced Regeneration:	Understocked	X		Fully Stocked			Overstocked			Patchy									
Regeneration:	1. Spp.	BF		Height	0.5-4.0m		2. Spp.			Height									
	3. Spp.			Height			4. Spp.			Height									

GROUND OBSERVATIONS

Ground Vegetation Species Present: There is a carpet of ground hemlock and fern. Wild raisin, hazelnut, dewberry

Ground Hemlock X Y / N

Invasive Species Present Y / N If yes then what species:

Site Indicators Y / N If yes then what species:

ENVIRONMENTAL OBSERVATIONS

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

STAND PRESCRIPTION

No Treatment		X		Regeneration Cut			Crop Tree Release			Block Cut									
Shelterwood Cut				Selection Cut			Patch Cut			Strip Cut									
Commercial Thinning				Afforestation			Site Preparation												
Pre-commercial Thinning				Reforestation			Riparian Zone Mgmt												
Pln. Maint.		Y / N		Stems/Ha															
Comments:	This is a fairly open SM/RM stand. It is healthy. There is hardly any natural regen as there is a carpet of ground hemlock and fern. No work is recommended for this stand.																		

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11192		PLANTATION #		
PROPERTY #	39040	AREA	1.4	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BS	85	31	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 (%)	LA3	%	BS2	%	BF2	%	RM1	%	PO1, WB1							
Even-aged	X	Uneven-aged								Biomass						
Slope	level	%	Aspect													
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed									
	Windfall	X	Non Forest				Ploughed									
	Clear Cut		Unknown													
Stand Maturity Class:	Regeneration		Immature		Mature	X	Over-mature	X								
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy									
Density:	SW	1,600	HW	600												
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	X								
Regeneration:	1. Spp.	BFBS	Height	0.2-5.0m	2. Spp.		Height									
	3. Spp.	RM	Height	0.5-3.0m	4. Spp.		Height									

GROUND OBSERVATIONS

Ground Vegetation Species Present: wild raisin, ferns, blueberry

Ground Hemlock X Y / N

Invasive Species Present Y / N If yes then what species:

Site Indicators Y / N If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course N Bog N Pond N Stream N Seeps N Beaver Present N Y / N

Drainage: Poor X Moderate Good Excellent Erosion Control Required N Y / N

Snag Trees: Adequate X Inadequate

Coarse Woody Material: Adequate X Inadequate

Dens N Nests (Raptors, songbirds, etc.) N

Wildlife Observed None observed

Comments

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut	
Commercial Thinning		Afforestation		Site Preparation	X		
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt			

Pln. Maint. X Y / N Stems/Ha

Comments: This is an overmature more open BS/LA stand. BF regen is expressed in open pockets. It's a nice stand of wood that needs to be harvested within 2 yrs. Plant WS, BS, LA, or WP.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	11048 & part 101378	PLANTATION #			
PROPERTY #	39040	AREA	2.0 ha	Date	29 / 10 / 2021		
					D M Y		

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BF	58	20	15	4				
2					5				
3					6				

STAND INFORMATION

Stand Basal Area SW ____ M^2/Ha SWSL ____ M^2/Ha HW ____ M^2/Ha HWSL ____ M^2/Ha

Species and (%) BF4 % LA2 % WSBS2 % RM1 % PO1

Even-aged X Uneven-aged ____ Biomass ____

Slope 2 % Aspect S

Stand Origin: Old Field ____ 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 1,800 HW 600

Advanced Regeneration: Understocked X Fully Stocked ____ Overstocked ____ Patchy ____

Regeneration: 1. Spp. BF Height 0.2-1.0m 2. Spp. ____ Height ____

3. Spp. ____ Height ____ 4. Spp. ____ Height ____

GROUND OBSERVATIONS

Ground Vegetation Species Present: wild raisin, fern, bunch berry, dewberry

Ground Hemlock X Y / N ____

Invasive Species Present ____ Y / N ____ If yes then what species: ____

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

ENVIRONMENTAL OBSERVATIONS

Water Course N Bog N Pond N Stream N Seeps N Beaver Present N Y / N

Drainage: Poor X Moderate X Good ____ Excellent ____ Erosion Control Required N Y / N

Snag Trees: Adequate X Inadequate ____

Coarse Woody Material: Adequate X Inadequate ____

Dens N Nests (Raptors, songbirds, etc.) N

Wildlife Observed None observed

Comments ____

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut	
Commercial Thinning		Afforestation		Site Preparation	X		
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt			

Pln. Maint. X Y / N ____ Stems/Ha ____

Comments: This is predominately a SW stand with some HW areas. The ground is good once you cross the swale to the south but gets wetter as you move north. Harvest within 2-5 yrs. Retain the RM and large PO. Plant WS. There is a wide wet swale (approx. 20 m) along south boundary that would have to be corduroyed if hauling wood to the south. Harvest under frozen/winter conditions.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	101389		PLANTATION #		
PROPERTY #	39040	AREA	1.0	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BF		21	14	4				
2	RM		20	14	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 (%)	RM2	%	GB1	%	PO2	%	BF3	%	BSLA2, WP							
Even-aged	X	Uneven-aged								Biomass						
Slope	1 %	Aspect	SE													
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed									
	Windfall		Non Forest				Ploughed									
	Clear Cut	X	Unknown													
Stand Maturity Class:	Regeneration		Immature	X	Mature	X	Over-mature									
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy									
Density:	SW	800	HW	800												
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	X								
Regeneration:	1. Spp.	BFBS	Height	0.2-3.0m	2. Spp.		Height									
	3. Spp.	WP	Height	0.2-3.0m	4. Spp.		Height									

GROUND OBSERVATIONS

Ground Vegetation Species Present: Wild raisin, bunch berry, alder, laurel, bunch berry, blueberry, ground pine, bracken fern

Ground Hemlock Y / N X

Invasive Species Present Y / N If yes then what species:

Site Indicators Y / N If yes then what species:

ENVIRONMENTAL OBSERVATIONS

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

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X				
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning		Afforestation		Site Preparation	X						
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha							

Comments: There is not a lot of merchantable SW in this stand as the BF is 2nd growth. The stand is scraggly. Chase the SW and retain the HW. The site is wetter. Plant BS.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	101365		PLANTATION #		
PROPERTY #	39040	AREA	2.6	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WSBS	85	29	17	4				
2					5				
3					6				

STAND INFORMATION

Stand Basal Area	SW		M^2/Ha	SWSL		M^2/Ha	HW		M^2/Ha	HWSL		M^2/Ha							
Species and (%)	BS6	%	LA1	%	BF1	%	RM1	%	PO1										
Even-aged	X	Uneven-aged											Biomass						
Slope	1 %	Aspect	SE																
Stand Origin:	Old Field		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	2,600															
Advanced Regeneration:	Understocked		Fully Stocked	X	Overstocked		Patchy	X											
Regeneration:	1. Spp.	BF/BS	Height	0.1-3.0m	2. Spp.		Height												
	3. Spp.	WP	Height	0.2m	4. Spp.		Height												

GROUND OBSERVATIONS

Ground Vegetation Species Present: wild raisin, bunch berry, alder, laurel, bunch berry, blueberry, ground pine bracken fern

Ground Hemlock Y / N X

Invasive Species Present Y / N If yes then what species:

Site Indicators Y / N If yes then what species:

Water Course N Bog N Pond N Stream N Seeps N Beaver Present N Y / N

Drainage: Poor X Moderate Good Excellent Erosion Control Required N Y / N

Snag Trees: Adequate X Inadequate

Coarse Woody Material: Adequate X Inadequate

Dens N Nests (Raptors, songbirds, etc.) N

Wildlife Observed None observed

Comments

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut	
Commercial Thinning		Afforestation		Site Preparation	X		
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt			

Pln. Maint. X Y / N Stems/Ha

Comments: This is a great stand of SW. It is clean, tall and straight. Harvest in 2 years as is in decline. Plant WS.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	101363-uncut section to E	PLANTATION #			
PROPERTY #	39040	AREA	2.7 ha	Date	29 / 10 / 2021		
					D	M	Y

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BF	48	22	15	4				
2					5				
3					6				

STAND INFORMATION

Stand Basal Area SW ____ M^2/Ha SWSL ____ M^2/Ha HW ____ M^2/Ha HWSL ____ M^2/Ha

Species and (%) BF3 % RM3 % PO2 % GB1 % BS1

Even-aged X Uneven-aged ____ Biomass ____

Slope level % Aspect ____

Stand Origin: Old Field ____ Partial Cut ____ Burn ____ Unploughed ____

Windfall ____ Non Forest ____ Ploughed ____

Clear Cut X Unknown ____

Stand Maturity Class: Regeneration ____ Immature ____ Mature X Over-mature ____

Stand Stocking: Understocked ____ Fully Stocked X Overstocked ____ Patchy ____

Density: SW 2,000 HW 600

Advanced Regeneration: Understocked X Fully Stocked ____ Overstocked ____ Patchy ____

Regeneration: 1. Spp. BF Height 0.1-4.0m 2. Spp. ____ Height ____

3. Spp. ____ Height ____ 4. Spp. ____ Height ____

GROUND OBSERVATIONS

Ground Vegetation Species Present: wild raisin, bracken, blueberry, bunchberry, clubmoss

Ground Hemlock X Y / N ____

Invasive Species Present ____ Y / N ____ If yes then what species: ____

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

ENVIRONMENTAL OBSERVATIONS

Water Course N Bog N Pond N Stream N Seeps N Beaver Present N Y / N

Drainage: Poor X Moderate ____ Good ____ Excellent ____ Erosion Control Required N Y / N

Snag Trees: Adequate X Inadequate ____

Coarse Woody Material: Adequate X Inadequate ____

Dens N Nests (Raptors, songbirds, etc.) N

Wildlife Observed None observed

Comments ____

STAND PRESCRIPTION

No Treatment		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: The south half of stand is BF dominant with veteran PO and RM. The BF is 2nd growth with small crowns and is in decline . Harvest as soon as possible. Retain the RM and large PO. The north half is mostly HW composed of RM and GB.. Harvest pockets of SW in this area and retain the HW portion. Plant WS.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	10363			PLANTATION #	
PROPERTY #	39040		AREA	0.7	ha	Date	29 / 10 / 2021
							D M Y

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BS	85	26	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 (%) BS10 % WP % ____ % ____ % ____

Even-aged X Uneven-aged ____ Biomass ____

Slope level % Aspect ____

Stand Origin: Old Field ____ Partial Cut ____ Burn X Unploughed ____

Windfall ____ Non Forest ____ Ploughed ____

Clear Cut ____ Unknown ____

Stand Maturity Class: Regeneration ____ Immature ____ Mature ____ Over-mature X

Stand Stocking: Understocked ____ Fully Stocked X Overstocked ____ Patchy ____

Density: SW 2,800 HW ____

Advanced Regeneration: Understocked ____ Fully Stocked ____ Overstocked ____ Patchy ____

Regeneration: 1. Spp. BFBS Height 0.1-0.5 2. Spp. ____ Height ____

3. Spp. WP Height 0.1-0.5 4. Spp. ____ Height ____

GROUND OBSERVATIONS

Ground Vegetation Species Present: laurel, blueberry, bracken, wild raisin

Ground Hemlock ____ Y / N X

Invasive Species Present ____ Y / N ____ If yes then what species: ____

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

ENVIRONMENTAL OBSERVATIONS

Water Course N Bog N Pond N Stream N Seeps N Beaver Present N Y / N

Drainage: Poor X Moderate ____ Good ____ Excellent ____ Erosion Control Required N Y / N

Snag Trees: Adequate X Inadequate ____

Coarse Woody Material: Adequate X Inadequate ____

Dens N Nests (Raptors, songbirds, etc.) N

Wildlife Observed None observed

Comments ____

STAND PRESCRIPTION

No Treatment ____ Regeneration Cut ____ Crop Tree Release ____ Block Cut X

Shelterwood Cut ____ Selection Cut ____ Patch Cut ____ Strip Cut ____

Commercial Thinning ____ Afforestation ____ Site Preparation X

Pre-commercial Thinning ____ Reforestation X Riparian Zone Mgmt ____

Pln. Maint. X Y / N ____ Stems/Ha ____

Comments: This is a great stand of BS. It's a clean stand with no understory or ingrowth. The wood is very consistent. Harvest within 2-3 years as it is overmature and starting to decline. Plant BS and WP.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	101363		PLANTATION #	3130031	
PROPERTY #	39040	AREA	6.0	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RM		28	16	4				
2	WP		3	1.5	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 (%)	RM5	%	PO3	%	WB2	%	BE	%	(PN is WP, RM, BF, GB. WB)						
Even-aged		Uneven-aged	X	2 aged						Biomass					
Slope	level	%	Aspect												
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed								
	Windfall		Non Forest				Ploughed								
	Clear Cut	X	Unknown												
Stand Maturity Class:	Regeneration	X	Immature		Mature	X	Over-mature								
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy								
Density:	SW	800	HW	2,000											
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	X							
Regeneration:	1. Spp.	BF	Height	0.2-2.5m	2. Spp.		Height								
	3. Spp.	GB,PO,RM	Height	0.2-2.5m	4. Spp.		Height								

GROUND OBSERVATIONS

Ground Vegetation Species Present: Bunch berry, wild raisin, bracken fern, other ferns, blueberry, rose

Ground Hemlock | Y / N | X

Invasive Species Present | Y / N | If yes then what species:

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

ENVIRONMENTAL OBSERVATIONS

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

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut	
Commercial Thinning		Afforestation		Site Preparation			
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt			
Pln. Maint.	X	Y / N		Stems/Ha			

Comments: The SW was harvested from this stand and planted with WP. The WP is showing signs of suppression from HW competition (RM, GB, WB, PO) and should be maintained as soon as possible. The road will have to be upgrading before it is possible to access the site. The remainder of the stand is mature HW and is to be left as it is.

STAND TALLY SHEET

CRUISER	S. Rankin	STAND #	101682		PLANTATION #	3070021	
PROPERTY #	39040	AREA	1.7	ha	Date	29 / 10 / 2021	
						D M Y	

SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WP	13	4	5	4				
2	BSWS	78	31	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 (%)	BSWS5	%	PO2	%	RM2	%	BF1	%	WB, LA							
Even-aged	X	Uneven-aged								Biomass						
Slope	level	%	Aspect													
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed									
	Windfall	X	Non Forest				Ploughed									
	Clear Cut	X	Unknown													
Stand Maturity Class:	Regeneration	X	Immature		Mature		Over-mature	X								
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy									
Density:	SW	1,000	HW	1,000	PN 2000 SW 3000 HW											
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy									
Regeneration:	1. Spp.	BFBS	Height	0.2-4.0 m	2. Spp.		Height									
	3. Spp.	RMPO	Height	1.0-4.0m	4. Spp.		Height									

GROUND OBSERVATIONS

Ground Vegetation Species Present: bracken fern, laurel, blueberry, bunch berry, wild raisin, ferns

Ground Hemlock Y / N X

Invasive Species Present Y / N If yes then what species:

Site Indicators Y / N If yes then what species:

ENVIRONMENTAL OBSERVATIONS

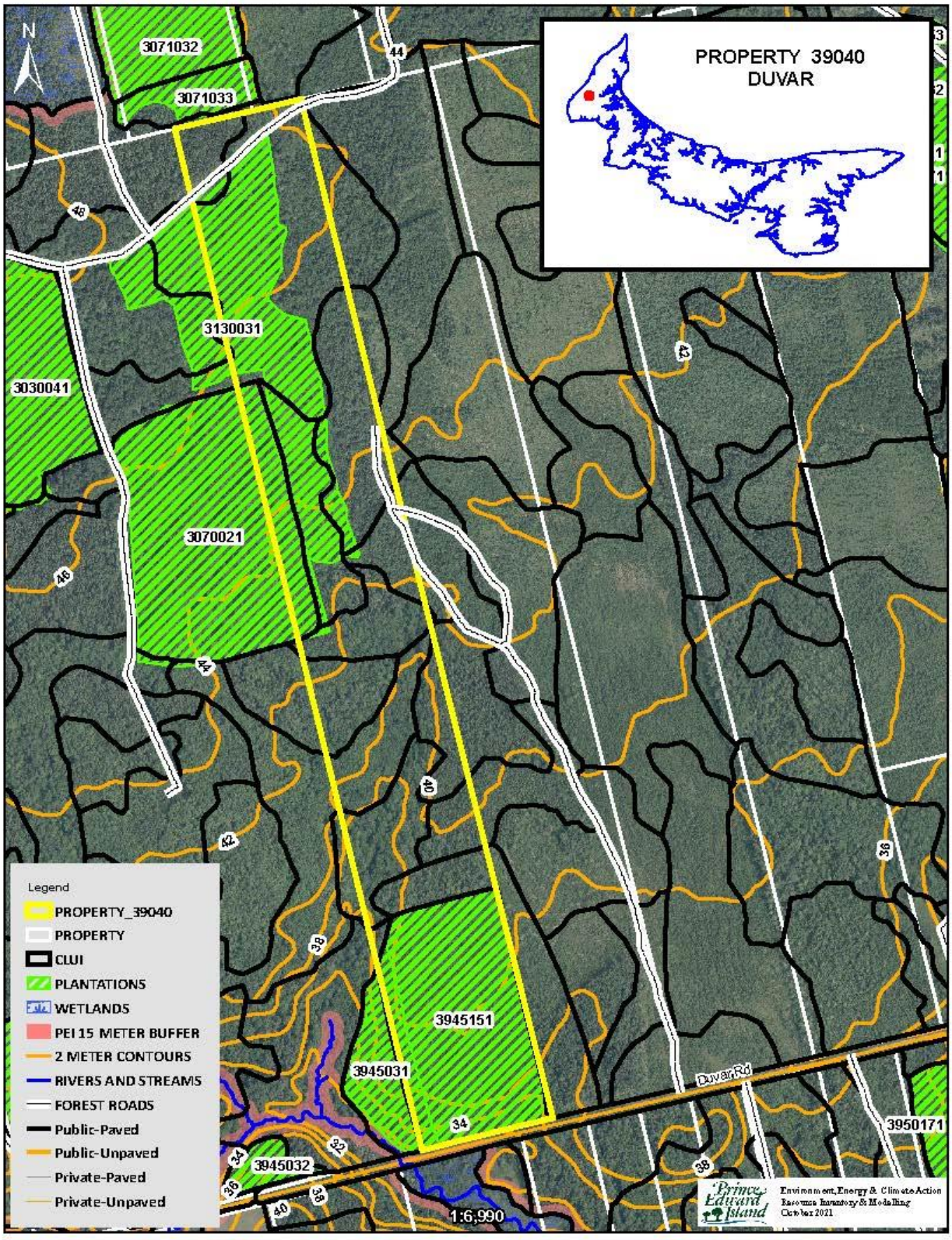
Water Course	N	Bog	N	Pond	N	Stream	N	Seeps	N	Beaver Present	N	Y / N				
Drainage:	Poor	X	Moderate		Good		Excellent		Erosion Control Required	N	Y / N					
Snag Trees:	Adequate	X	Inadequate													
Coarse Woody Material:	Adequate	X	Inadequate													
Dens	N	Nests (Raptors, songbirds, etc.)	N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

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X				
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning		Afforestation		Site Preparation	X						
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha							

Comments: The WP plantation is doing well but needs to be maintained before trees become suppressed. However, access needs to be upgraded before any work can be done. Block Harvest the retention strips as they are overmature and in decline. Harvest as soon as possible. Plant WS.

Appendix F. Plantation Map with Contour Lines



Appendix G. Work Completed

Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
0	1	0.2	10/26/1994	Class 1 Road Construction
0	14	1.6	8/6/1992	Boundary Line Establishment
	16A	0.2	1/18/2012	Manual roadside trimming (brush saw)
3130516	16B	0.2	11/25/2013	Mechanical roadside trimming
3160529	16B	0.5	9/8/2016	Mechanical roadside trimming
3945151	25B	6.77	10/14/1993	Chemical Broadcast
3941511	29	6.77	11/19/1993	Raking Crawler Tractor-Root Rake:per Ha
3130031	30B	7854	6/19/2013	Manual Site Preparation per Site (Hawk)
3945151	53W	10640	5/26/1994	RED PINE - WESTERN
3945151	56W	3943	5/26/1994	WHITE PINE - WESTERN
3130031	56W	7854	6/19/2013	WHITE PINE - WESTERN
3945151	82B	6.77	10/2/1997	Herbicide: Broadcast: 1st Treatment
0	92	4.5	12/21/1992	Clearcut Block
3120561	93	4.23	10/10/2012	Patch Cut