

**Date: April 18, 2023**

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



**Woodlot Management Plan**

**Property Number: 235093**

**Location: Hope River**

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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 #235093 is located on the St. Marys Road, Route #224, in the community of Hope River, P.E.I., (Appendix A). The total area of this property is 39 hectares (96.36 acres) and the midpoint of the property is Latitude N 46.43246 decimal degrees, Longitude W -64.40852 decimal degrees.

### **Past Information**

Local records and previous aerial photography show almost 60% (approximately 23 hectares) of this property was used for agricultural purposes early in the 20<sup>th</sup> century. To better illustrate this 1935 and 1968 photography can be seen in Appendix B and Appendix C. The cleared land was still being actively farmed by 1968. Extensive patches of harvesting can be noted in the hardwood portion.

By 2000, some natural regeneration was developing along the southern boundary near the woodlot stream and the remainder of the old field sections were developing with young planted trees.

### **Property Information**

The information in Appendix D has been taken from the 2010 Corporate Land Use Inventory. An explanation of forestry code meanings can be seen in Appendix E. Any stands that have proposed silvicultural treatment prescriptions are to have on-ground stand assessments completed prior to any work being started. This on-ground assessment information is included in this plan as updated stand tally sheets (Appendix F) and supplements the extrapolated data where applicable. A topographic map of the property shows the general terrain profile, the ranges in elevation and the plantations currently on the property (Appendix G).

## **Wetland and Watercourses**

There are two unnamed tributaries to the Hope River located on this property. One tributary receives its water from a dry gully to the east that drains from adjacent open land. It flows generally east to west. The second tributary is located to the west end of the property and flows from north to south, eventually ending up in the Hope River. This observation can be viewed in Appendix A.

## **Property Access**

There is a woods road that provides access to this property from the St. Marys Road to the east and the Centre Road to the west. The road systems has a route to the north portion of the property and a route in the southern portion providing 1.99km of road access. The road is also utilized by adjacent landowners for recreation and provides some travel corridors and cover for some forms of wildlife utilizing the property. 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 this road usable. The existing road on the property can be seen on Appendix A

## **Property Boundaries**

This property is bounded on the south and north by private land. The eastern boundary fronts on the St. Patricks Rd. to the southeast and the St. Marys Rd. to the northeast. (There is also one small residential lot to the northeast off the St. Marys Rd.) The western boundary fronts on the Centre Rd.

## **Fire Protection**

This property is located within the jurisdiction of the New Glassgow Fire Department. The amount of personnel and equipment used to fight any forest fires will depend greatly upon the size and

severity of the fire. Protection of our woodland from forest fire is the responsibility of the Forests, Fish and Wildlife Division and our local community fire brigades. In the Western District, there are four-wheel drive forestry fire trucks housed at the Wellington and West Point Fire Departments. These heavy-duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire trucks, off road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available in the central portion of the Province if needed. A stream that flows through the western end of the property might provide suitable sites to setup a portable fire pump system.

### **Planting and Silviculture**

There are 4 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](http://www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-_final.pdf) . Any additional information may be obtained by contacting a Provincial Forest

representative at the District Forestry Office in Wellington.

*\* There was insufficient natural regeneration present under the old farmland portions of the property that were heavily damaged by Hurricane Fiona. A large portion of the property lacked diversity due to the history of farming. As the property is managed over time, transitions can be made to improve diversity and wildlife values while producing timber volume and value.*

*Following hurricane Fiona, a portion of the property that was located on high elevation (the shore is visible in the distance) and exposed to the north was extensively damaged. Approximately 100% of the trees were blown over, broken off or had compromised root attachment. An emergency salvage harvest was completed to remove timber volume and value, to capture some sequestered carbon, to allow for access for planting, and to mitigate fire risk with the extreme fuel loading adjacent to a number of residential properties. The pictures below show the conditions during Fiona salvage operations following the storm.*

*Brush matting was utilized during Fiona salvage operations to prevent soil erosion on slopes.*





*The pictures below show the areas being salvaged. A section on the right in the first picture was sheltered by the hill and not extensively damaged by winds from the north. It is being left in place to provide cover and to develop further.*





**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	2023...	2 km	Pg 11 & 12	Brush cutting, fill as required	Improve road access
842343 PN# 2804701	Manual Site Preparation and Reforestation	2023	3.44 Ha	Pg 14 & 16	Fiona emergency salvage area	Develop future forest cover, add diversity and quality
841483 & 842342 PN# 2804701	Manual Site Preparation and Reforestation	2023	4.86 Ha	Pg 14 & 16	Fiona emergency salvage area	Develop future forest cover, add diversity and quality
84459 PN# 2914503	Commercial Thinning (modified)	2030	1.0 Ha	Pg 26	Monitor development, very light removal to help develop root attachment but keep wind protection	Develop improved root attachment, maintain wind protection and diverse strips, encourage growth of windfirm species in the stand
841482	Block Harvest	2031	1.0 Ha	Pg 30	Old field stand will eventually decline	Salvage timber and create openings for reforestation on old field
841482	Manual Site Preparation and Reforestation	2032	1.0 Ha	Pg 14 & 16	Enrich buffer zone to add diversity, quality growing site, add seed sources	Develop future forest, add diversity and quality
84362, 84363, 841596, 84224	Patch/Strip Harvest	2032	4.0 Ha	Pg 28 & 29	Patch or Strip, fuelwood, protect quality single-stems and seed sources (also He legacy trees)	Introduce diversity of cover height, create openings for wildlife and enhancement planting
84362, 84363, 841596, 84224	Manual Site Preparation and Enrichment Plant	2033	4.0 Ha	Pg 14 & 17	Spot plant at low density to enhance diversity, small opening to keep windfirm, buffer open areas	Add future seed sources to enhance diversity, add mast options for wildlife enhancement

## **Appendices**

**PROPERTY 235093  
HOPE RIVER**

**Legend:**

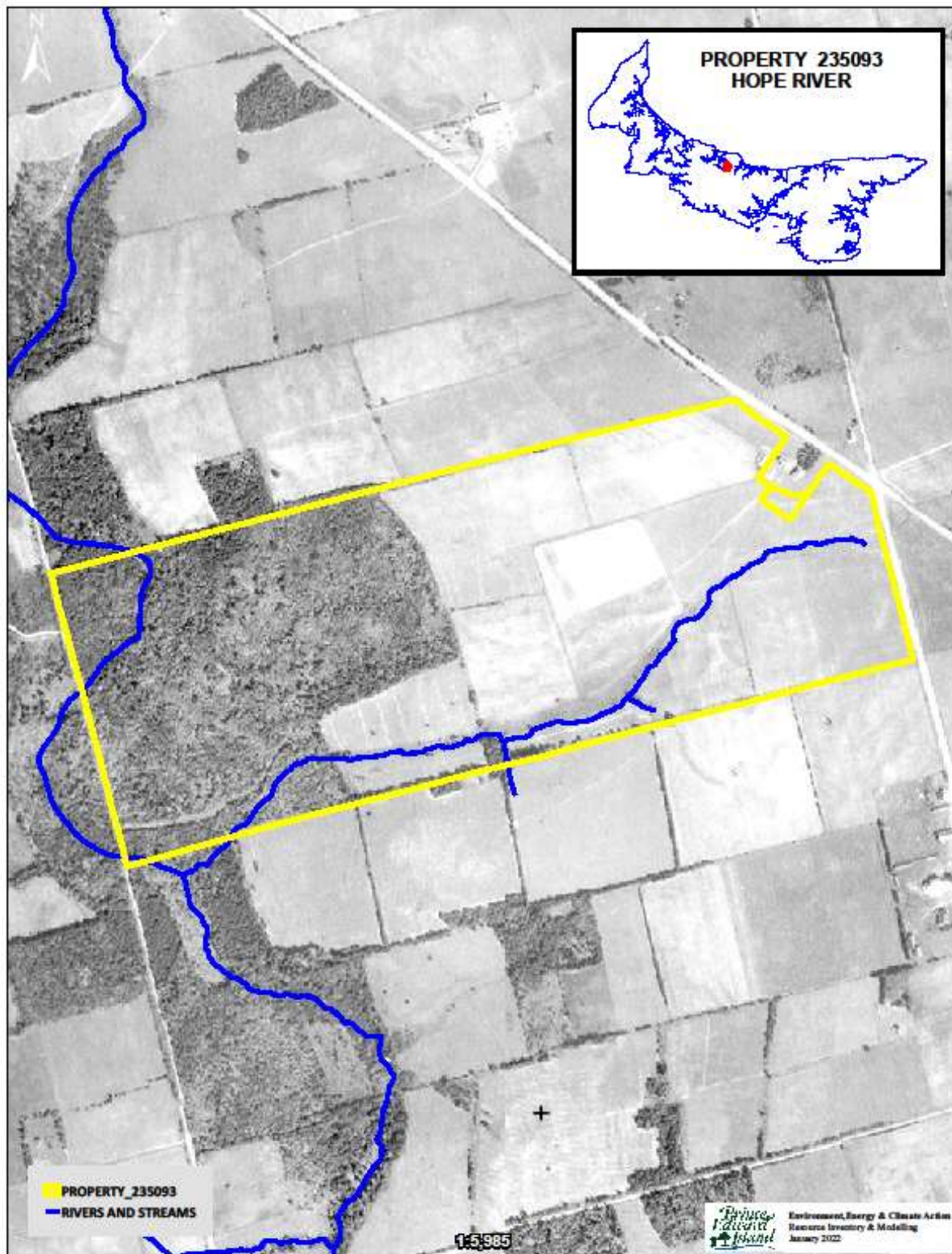
- PROPERTY 235093 (Yellow outline)
- PROPERTY (Black outline)
- CLUI (Blue outline)
- WETLANDS (Blue hatched area)
- PEI 15 METER BUFFER (Red outline)
- FOREST ROADS (Black line)
- RIVERS AND STREAMS (Blue line)
- Public-Paved (Black line)
- Public-Unpaved (Grey line)
- Private-Paved (Black line)
- Private-Unpaved (Grey line)

**Map Labels:**

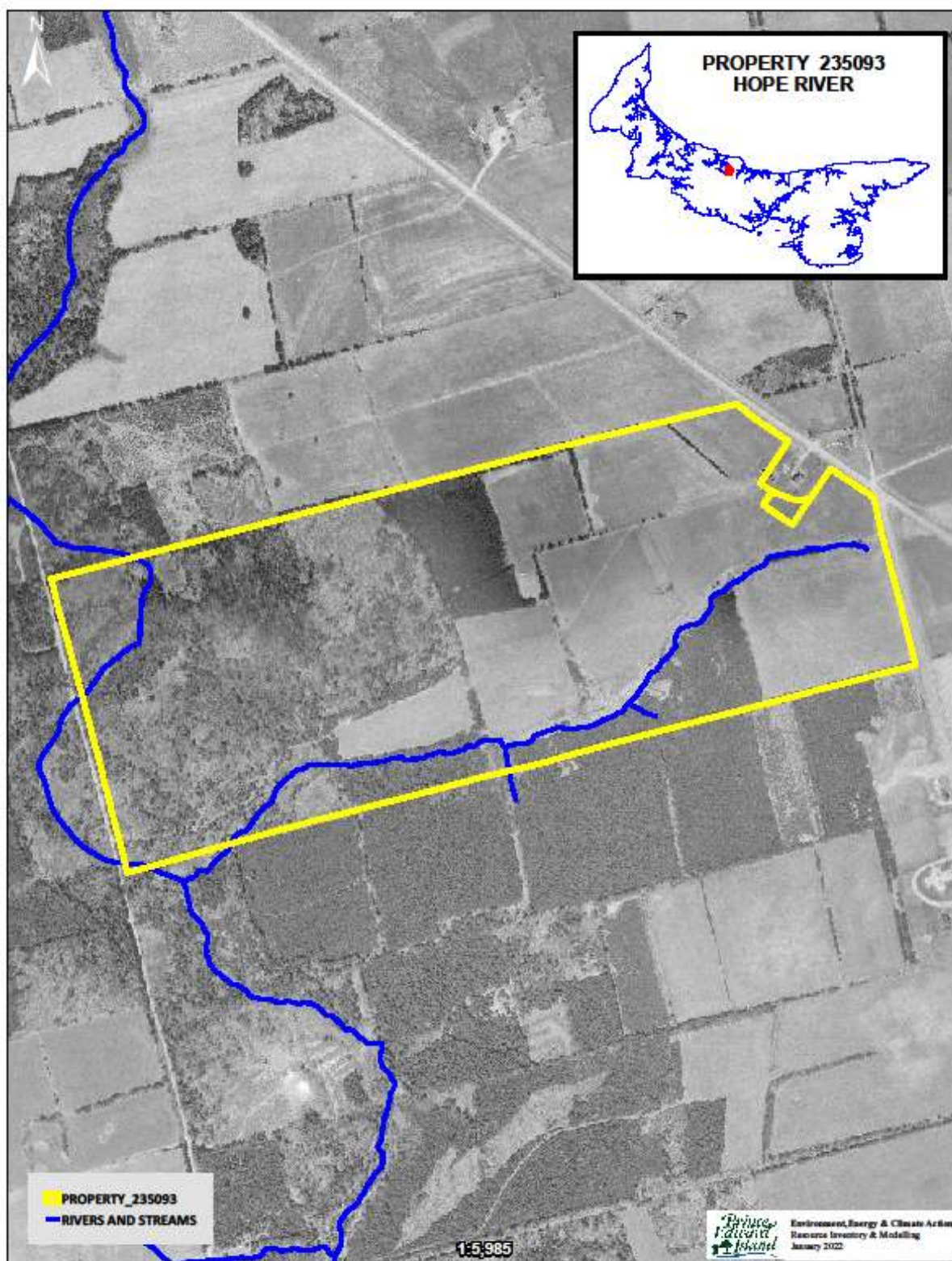
ST. MARYS RD - RTE 224  
ST. PATRICKS RD - RTE 266  
Hope Valley Dr  
Cape Rd  
0841084, 0842012, 0841098, 0842012, 0841097, 0841096, 0841095, 0841094, 0841093, 0841092, 0841091, 0841090, 0841089, 0841088, 0841087, 0841086, 0841085, 0841084, 0841083, 0841082, 0841081, 0841080, 0841079, 0841078, 0841077, 0841076, 0841075, 0841074, 0841073, 0841072, 0841071, 0841070, 0841069, 0841068, 0841067, 0841066, 0841065, 0841064, 0841063, 0841062, 0841061, 0841060, 0841059, 0841058, 0841057, 0841056, 0841055, 0841054, 0841053, 0841052, 0841051, 0841050, 0841049, 0841048, 0841047, 0841046, 0841045, 0841044, 0841043, 0841042, 0841041, 0841040, 0841039, 0841038, 0841037, 0841036, 0841035, 0841034, 0841033, 0841032, 0841031, 0841030, 0841029, 0841028, 0841027, 0841026, 0841025, 0841024, 0841023, 0841022, 0841021, 0841020, 0841019, 0841018, 0841017, 0841016, 0841015, 0841014, 0841013, 0841012, 0841011, 0841010, 0841009, 0841008, 0841007, 0841006, 0841005, 0841004, 0841003, 0841002, 0841001, 0841000, 0840999, 0840998, 0840997, 0840996, 0840995, 0840994, 0840993, 0840992, 0840991, 0840990, 0840989, 0840988, 0840987, 0840986, 0840985, 0840984, 0840983, 0840982, 0840981, 0840980, 0840979, 0840978, 0840977, 0840976, 0840975, 0840974, 0840973, 0840972, 0840971, 0840970, 0840969, 0840968, 0840967, 0840966, 0840965, 0840964, 0840963, 0840962, 0840961, 0840960, 0840959, 0840958, 0840957, 0840956, 0840955, 0840954, 0840953, 0840952, 0840951, 0840950, 0840949, 0840948, 0840947, 0840946, 0840945, 0840944, 0840943, 0840942, 0840941, 0840940, 0840939, 0840938, 0840937, 0840936, 0840935, 0840934, 0840933, 0840932, 0840931, 0840930, 0840929, 0840928, 0840927, 0840926, 0840925, 0840924, 0840923, 0840922, 0840921, 0840920, 0840919, 0840918, 0840917, 0840916, 0840915, 0840914, 0840913, 0840912, 0840911, 0840910, 0840909, 0840908, 0840907, 0840906, 0840905, 0840904, 0840903, 0840902, 0840901, 0840900, 0840899, 0840898, 0840897, 0840896, 0840895, 0840894, 0840893, 0840892, 0840891, 0840890, 0840889, 0840888, 0840887, 0840886, 0840885, 0840884, 0840883, 0840882, 0840881, 0840880, 0840879, 0840878, 0840877, 0840876, 0840875, 0840874, 0840873, 0840872, 0840871, 0840870, 0840869, 0840868, 0840867, 0840866, 0840865, 0840864, 0840863, 0840862, 0840861, 0840860, 0840859, 0840858, 0840857, 0840856, 0840855, 0840854, 0840853, 0840852, 0840851, 0840850, 0840849, 0840848, 0840847, 0840846, 0840845, 0840844, 0840843, 0840842, 0840841, 0840840, 0840839, 0840838, 0840837, 0840836, 0840835, 0840834, 0840833, 0840832, 0840831, 0840830, 0840829, 0840828, 0840827, 0840826, 0840825, 0840824, 0840823, 0840822, 0840821, 0840820, 0840819, 0840818, 0840817, 0840816, 0840815, 0840814, 0840813, 0840812, 0840811, 0840810, 0840809, 0840808, 0840807, 0840806, 0840805, 0840804, 0840803, 0840802, 0840801, 0840800, 0840799, 0840798, 0840797, 0840796, 0840795, 0840794, 0840793, 0840792, 0840791, 0840790, 0840789, 0840788, 0840787, 0840786, 0840785, 0840784, 0840783, 0840782, 0840781, 0840780, 0840779, 0840778, 0840777, 0840776, 0840775, 0840774, 0840773, 0840772, 0840771, 0840770, 0840769, 0840768, 0840767, 0840766, 0840765, 0840764, 0840763, 0840762, 0840761, 0840760, 0840759, 0840758, 0840757, 0840756, 0840755, 0840754, 0840753, 0840752, 0840751, 0840750, 0840749, 0840748, 0840747, 0840746, 0840745, 0840744, 0840743, 0840742, 0840741, 0840740, 0840739, 0840738, 0840737, 0840736, 0840735, 0840734, 0840733, 0840732, 0840731, 0840730, 0840729, 0840728, 0840727, 0840726, 0840725, 0840724, 0840723, 0840722, 0840721, 0840720, 0840719, 0840718, 0840717, 0840716, 0840715, 0840714, 0840713, 0840712, 0840711, 0840710, 0840709, 0840708, 0840707, 0840706, 0840705, 0840704, 0840703, 0840702, 0840701, 0840700, 0840699, 0840698, 0840697, 0840696, 0840695, 0840694, 0840693, 0840692, 0840691, 0840690, 0840689, 0840688, 0840687, 0840686, 0840685, 0840684, 0840683, 0840682, 0840681, 0840680, 0840679, 08



## Appendix B. 1935 Aerial Photography



## Appendix C. 1968 Aerial Photography



### Appendix D. 2010 Corporate Land Use Inventory

FIELDID	SUBUSE	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	HECTARES	WOODSTOCK
0841483	PN	BS	7.00	RM	1.00	WB	1.00	PO	1.00		0.00	11.00	90.00	8.23	BSPR
084459	PN	BS	7.00	RM	2.00	PO	1.00		0.00		0.00	8.00	85.00	1.39	BSPR
0841480	PN	RP	7.00	RM	3.00		0.00		0.00		0.00	10.00	75.00	0.67	RPPR
084450	PN	RP	8.00	PO	1.00	WB	1.00		0.00		0.00	10.00	90.00	1.79	RPPR
0842342	PN	BS	8.00	RM	1.00	WB	1.00		0.00		0.00	12.00	90.00	4.26	BSPR
0842343	PN	BS	7.00	PO	2.00	RM	1.00		0.00		0.00	13.00	85.00	3.44	BSPR
0842341		WS	7.00	RM	2.00	PO	1.00		0.00		0.00	17.00	80.00	0.61	WSPR
0841482		WS	4.00	BF	2.00	PO	2.00	RM	2.00		0.00	13.00	80.00	1.19	SWIH
084224		BF	4.00	WS	3.00	RM	2.00	WB	1.00		0.00	15.00	65.00	0.21	SWMX
0841481		WS	4.00	RM	3.00	PO	2.00	WB	1.00		0.00	18.00	70.00	1.51	IHSW
084122		BF	3.00	RM	2.00	WB	2.00	SM	2.00	YB	1.00	17.00	80.00	3.69	THMX
0841595	CC	PO	3.00	RM	2.00	WB	2.00	AL	2.00	BF	1.00	5.00	45.00	0.04	IHMX
084363		RM	4.00	SM	3.00	WB	1.00	YB	1.00	BF	1.00	16.00	85.00	5.56	THMX
0841596		RM	3.00	BF	2.00	SM	2.00	YB	2.00	WS	1.00	17.00	60.00	0.37	THMX
084227		RM	4.00	WB	2.00	BF	2.00	PO	1.00	SM	1.00	14.00	85.00	2.27	IHMX
084362		RM	3.00	BF	2.00	YB	2.00	SM	2.00	WB	1.00	17.00	85.00	4.16	THMX



## Appendix E. Forest Inventory Codes

### **EXPLANATION OF FOREST CODES; SPECIES**

<b>WS</b>	White Spruce	<b>JL</b>	Japanese Larch	<b>WB</b>	White Birch
<b>BF</b>	Balsam Fir	<b>EL</b>	European Larch	<b>PO</b>	Poplar
<b>HE</b>	Hemlock	<b>NS</b>	Norway Spruce	<b>RM</b>	Red Maple
<b>WP</b>	White Pine	<b>PC</b>	Pin Cherry	<b>RO</b>	Red Oak
<b>RP</b>	Red Pine	<b>MA</b>	Apple	<b>WA</b>	White Ash
<b>JP</b>	Jack Pine	<b>SP</b>	Scots Pine	<b>EM</b>	Elm
<b>CE</b>	Cedar	<b>AP</b>	Austrian Pine	<b>GB</b>	Gray Birch
<b>LA</b>	Larch	<b>YB</b>	Yellow Birch	<b>AL</b>	Alders
<b>BS</b>	Black Spruce	<b>SM</b>	Sugar Maple	<b>LI</b>	Linden
<b>RS</b>	Red Spruce	<b>BE</b>	Beech		

### **PERCENT**

<b>0</b>	1 - 9%
<b>1</b>	10 - 19%
<b>2</b>	20 - 29 %
<b>3</b>	30 - 39 %
<b>4</b>	40 - 49 %
<b>5</b>	50 - 59 %
<b>6</b>	60 - 69 %
<b>7</b>	70 - 79 %
<b>8</b>	80 - 89 %
<b>9</b>	90 - 100 %

### **CROWN CLOSURE**

<b>A</b>	91 % - 100%
<b>B</b>	81 % - 90 %
<b>C</b>	71 % - 80 %
<b>D</b>	61 % - 70 %
<b>E</b>	51 % - 60 %
<b>F</b>	41 % - 50 %
<b>G</b>	31 % - 40 %
<b>H</b>	21 % - 30 %
<b>I</b>	11 % - 20 %
<b>J</b>	0 % - 10 %

### **ORIGIN AND HISTORY**

<b>BR</b>	Burn	<b>DI</b>	Disease-Insect
<b>WF</b>	Wind Fall	<b>OF</b>	Old Field
<b>PC</b>	Partial Cut	<b>PN</b>	Plantation
<b>CC</b>	Clear Cut	<b>HR</b>	Hedgerow
<b>TH</b>	Thinning	<b>EP</b>	Excavation Pit

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### **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.

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### **NON-FOREST LAND TYPES**

<b>BO</b>	Bog	<b>AL</b>	Alders
<b>CL</b>	Clear Land	<b>FL</b>	Flowerage
<b>SO</b>	Swamps – Open	<b>AG</b>	Agricultural Land
<b>EP</b>	Excavation Pit	<b>SD</b>	Sand Dune
<b>PL</b>	Power Line	<b>UR</b>	Urban
<b>C</b>	Cemetery	<b>WW</b>	Water

### **FOREST GROUND CONDITION**

<b>SW</b>	Wet – Swampy
<b>ST</b>	Steep
<b>SY</b>	Sandy

## Appendix F. Stand Tally Sheets from on the Ground

### Assessment

#### STAND TALLY SHEET

CRUISER L. Stevenson STAND # 842343 PLANTATION # 2804701(W)  
 PROPERTY # 235093 AREA 3.44 ha Date 17 / 4 / 2023  
 D M Y

SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1						4					
2						5					
3						6					

STAND INFORMATION											
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha			
Species and (%)	%	%	%	%							
Even-aged	Uneven-aged		Biomass								
Slope	9 %	Aspect	NW								
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest		Ploughed	X					
	Clear Cut	X	Unknown								
Stand Maturity Class:	Regeneration		X	Immature		Mature		Over-mature			
Stand Stocking:	Understocked		X	Fully Stocked		Overstocked		Patchy			
Density:	SW		HW								
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.	PO	Height	1	2. Spp.	PC	Height	1			
	3. Spp.		Height		4. Spp.		Height				

GROUND OBSERVATIONS	
Ground Vegetation Species Present:	elderberry, raspberry, (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	X Bog Pond Stream X 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	coyote track noted by buffer zone (snowshoe hare trail to stream at east end by RP)
Comments	15 m buffer snag potential and cover (mature WS and PO) (WS 32cm, 15m height, low live crown %)

STAND PRESCRIPTION	
No Treatment	Regeneration Cut Crop Tree Release Block Cut
Shelterwood Cut	Selection Cut Patch Cut Strip Cut
Commercial Thinning	Afforestation Site Preparation 2023
Pre-commercial Thinning	Reforestation 2023 Riparian Zone Mgmt
Pln. Maint.	X Y / N Stems/Ha
Comments:	emergency Fiona salvage full harvest, this old field stand had minimal diversity and was completely wind damaged in hurricane, salvage removed timber, manual site prep and plant, future maintenance will be required after ground vegetation starts to develop (monitor to time appropriately based on development), good growing conditions, removed fire risk by residences!, leave landing area unplanted for parking access point

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND # 841483 & 842342				PLANTATION # 2804071(BS)					
PROPERTY #		235093		AREA *4.86		ha		Date		17 / 4 / 2023			
				(*Fiona salvaged portion of total area)				D		M		Y	
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1						4							
2						5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)			%	%		%		WB,WS, BS (PO)					
Even-aged X		Uneven-aged							Biomass				
Slope		9 %	Aspect		S								
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed X					
		Clear Cut X		Unknown									
Stand Maturity Class:		Regeneration X		Immature		Mature		Over-mature					
Stand Stocking:		Understocked X		Fully Stocked		Overstocked		Patchy					
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:				*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		exposed to north, high elevation to North (residences adjacent), area was complete Fiona damaged											
STAND PRESCRIPTION													
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut							
Commercial Thinning		Afforestation		Site Preparation		2023							
Pre-commercial Thinning		Reforestation		2023		Riparian Zone Mgmt							
Pln. Maint.		X	Y / N	Stems/Ha									
Comments:		heavily damaged sections in hurricane Fiona, emergency salvage to remove fire danger near											
		residences, salvaged timber, plant salvaged areas, adjacent forest block sheltered by slope minimal											
		damage, this area was all old field in the past, minimal diversity, good quality growing conditions and											
		drainage, plant to develop future while adding some diversity, note adjacent residences,maintainance											
		in future when/if necessary (monitor periodically to follow development)											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND # 841483 & 842342				PLANTATION # 2804701(BS)					
PROPERTY #		235093		AREA		8.08 ha		Date		17 / 4 / 2023			
*portion of stand sheltered by slope and not windfelled by Fiona								D		M		Y	
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	BS	43	24	13	35	4	BS	43	16	12			
2	WS	43	17	13		5							
3	WS	43	14	12		6							
STAND INFORMATION													
Stand Basal Area		SW		M <sup>2</sup> /Ha		SWSL		M <sup>2</sup> /Ha		HW		M <sup>2</sup> /Ha	
Species and (%)		BS90 %		WS10 %						RM, alder, GB rd edge			
Even-aged X		Uneven-aged								Biomass			
Slope		% Aspect		S									
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed X					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature X		Mature X		Over-mature					
Stand Stocking:		Understocked X		Fully Stocked X		Overstocked		Patchy					
Density:		SW 2,250		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:				alder and bayberry noted at dries points on woodlot road edge, elderberry noted (*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	
Snag Trees:		Adequate		Inadequate		X							
Coarse Woody Material:		Adequate		X		Inadequate							
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		red squirrel											
Comments		relatively dense in sections											
STAND PRESCRIPTION													
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning				Afforestation		Site Preparation							
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt							
Pln. Maint.		Y / N		Stems/Ha									
Comments:		some was commercially thinned in past, good leader growth, a few windfall from Dorian, some co-											
		cominant WS , minimal density removed in commercial thin, WS naturally regenerated, relatively											
		shallow-rooted, best quality on lower slopes (more available soil moisture, less shallow-rooting),											
		E-W planted rows, leave to develop to maintain windfirmness, shelter by slope from Fiona, good											
		form and relatively healthy, monitor periodically, expect windfall on edges adjacent to salvage harvest											

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		84450		PLANTATION # 2914502(RP)					
PROPERTY #		235093		AREA		1.79 ha		Date		17 / 4 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RP	32	24	14	20	4							
2						5							
3						6							
STAND INFORMATION													
Stand Basal Area		SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)		RP95	%	%	%	%	PO(WB)						
Even-aged		Uneven-aged										Biomass	
Slope		8 %	Aspect		NW								
Stand Origin:		Old Field	X	Partial Cut		Burn		Unploughed					
		Windfall		Non Forest				Ploughed X					
		Clear Cut		Unknown									
Stand Maturity Class:		Regeneration		Immature		X		Mature		X		Over-mature	
Stand Stocking:		Understocked		Fully Stocked				Overstocked				Patchy	
Density:		SW	2,500	HW									
Advanced Regeneration:		Understocked		Fully Stocked				Overstocked		X		Patchy	
Regeneration:		1. Spp.		Height				2. Spp.		Height			
		3. Spp.		Height				4. Spp.		Height			
GROUND OBSERVATIONS													
Ground Vegetation Species Present:		Alder and a few choke cherry at open areas (*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		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		Inadequate		X							
Dens				Nests (Raptors, songbirds, etc.)									
Wildlife Observed		snowshoe hare trail to stream, coyote tracks to seeps at west for water, spring to west											
Comments		opening with PO in central portion, buffers, seeps to west end (PO and AL)											
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:		estimate 500 crop trees/ha, shoot moth noted causing poor tree form, significant limbs, could											
		remove 3 rows or patch cuts and try to plant under (low value), residences adjacent, rows N-S,											
		live crown % low indicating slowing growth, spring to west end starts from underground, leave to											
		develop further, monitor health, low value products											

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #		842341		PLANTATION #					
PROPERTY #	235093		AREA		0.61 ha		Date	17 /	4 /	2023		
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WS	70	32	19	25	4						
2	WS	70	37	20	25	5						
3	WS	70	28	18	25	6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)	WS70	%	WB20	%	RM10	%						
Even-aged X	Uneven-aged									Biomass		
Slope	9	%	Aspect	N								
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed	X				
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration	X	Immature		Mature	X	Over-mature	X				
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy					
Density:	SW	1,500	HW									
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy	X				
Regeneration:	1. Spp.	RM	Height	4 to 7	2. Spp.	BF	Height	4 to 6				
	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	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		Inadequate	X								
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed												
Comments	spring to east end,buffer stand, *leave natural to protect stream and enhance wildlife 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 field naturally regenerated with White Spruce, hardwood content in southern property boundary											
	providing seed for RM in understory, buffer stand with difficult access, leave this area to develop											
	naturally as stand declines, will provide buffer and snags, natural regeneration will develop through											
	understory, protect the stream and adjacent springs along with residential lots and wildlife values											



STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #		841481		PLANTATION #					
PROPERTY #	235093		AREA		1.51 ha		Date	17 /	4 /	2023		
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WS	75	37	19		4						
2	PO	75	43	22		5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)	WS40	%	PO30	%	RM20	%						
Even-aged X	Uneven-aged									Biomass		
Slope	9	%	Aspect	N								
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration			Immature		Mature X		Over-mature X				
Stand Stocking:	Understocked			Fully Stocked X		Overstocked		Patchy X				
Density:	SW	750	HW									
Advanced Regeneration:	Understocked			Fully Stocked X		Overstocked		Patchy				
Regeneration:	1. Spp.	RM		Height	7	2. Spp.	BF		Height	4		
	3. Spp.			Height		4. Spp.			Height			
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	flood plain alder, * 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 X		Bog		Pond		Stream X		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		Inadequate X									
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed	coyote track, red squirrel, chickadee											
Comments	old PO snags, some Dorian hurricane windfall, older (some WS snags)											
STAND PRESCRIPTION												
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning				Afforestation		Site Preparation						
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt						
Pln. Maint.		Y / N		Stems/Ha								
Comments:	some WS in decline, a few windfall from Dorian hurricane, flood plain along stream, older and snag											
	in old PO and some WS, fully stocked RM in understory seeding in from adjacent hedgerow, *leave											
	area natural to benefit wildlife and to protect stream buffer and adjacent residential lots, good											
	progression of development for wildlife values, poor access and sensitive environmental features											

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #		841482		PLANTATION #				
PROPERTY #	235093		AREA		1.19 ha		Date	17 /	4 /	2023	
								D	M	Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	WS	44	27	17	25	4	BF	44	17	14	20
2	PO	44	30	19	30	5					
3	WS	44	26	17	20	6					
STAND INFORMATION											
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha
Species and (%)	WS70	%	PO30	%		%	(WB,BF)				
Even-aged X	Uneven-aged						Biomass				
Slope	7	%	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	X	Over-mature			
Stand Stocking:	Understocked			Fully Stocked	X	Overstocked		Patchy			
Density:	SW	2,500	HW	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:			pincherry noted, *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	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		Inadequate	X							
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	red squirrel, coyote track, snowshoe hare track, chickadee										
Comments	patch of PO in central portion, buffer zone section (minimal vegetation in understory)										
STAND PRESCRIPTION											
No Treatment				Regeneration Cut		Crop Tree Release		Block Cut	2031		
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut			
Commercial Thinning				Afforestation		Site Preparation	2032				
Pre-commercial Thinning				Reforestation	2032	Riparian Zone Mgmt					
Pln. Maint.	X	Y / N		Stems/Ha							
Comments:	low live crown percentage where dense at ends, good growing conditions, need to enrich old field										
	under buffer prior to decline (farmed right to stream historically), too late to thin, still relatively										
	healthy but monitor development, 3000 stems in thickest to 1500 in more open sections, fully										
	stocked stand with minimal vegetation in understory, check periodically for decline (bark beetle)										

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND # 84362, 84363, 84122, 841596, 84224									
PROPERTY #		235093		AREA		13.99 ha		Date		17 / 4 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RM	65	32	14	35	4							
2	RM	65	20	14	35	5							
3	BF	55	23	14	25	6							
STAND INFORMATION													
Stand Basal Area		SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)		RM	%	%	%	%	BF(HE)						
Even-aged X		Uneven-aged										Biomass	
Slope		%	Aspect		W								
Stand Origin:		Old Field		Partial Cut X		Burn		Unploughed X					
		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	750	HW	2,250								
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:		*snow cover											
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		Erosion Control Required		Y / N	
Snag Trees:		Adequate		Inadequate X		*should be fish-bearing stream							
Coarse Woody Material:		Adequate		Inadequate X									
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed		snowshoe hare road edge, chickadee, red-breasted nuthatch, hawk,											
Comments		old remnant Hemlock (60cm), various slopes (shelves), BF dead (feeder snags), 60cm WS top of slope											
STAND PRESCRIPTION													
No Treatment				Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut				Selection Cut				Patch Cut		2032		Strip Cut 2032	
Commercial Thinning				Afforestation				Site Preparation		2033			
Pre-commercial Thinning				Reforestation		2033		Riparian Zone Mgmt					
Pln. Maint.		Y / N		Stems/Ha									
Comments:		all harvested at one time in the distant past, coppice RM growth, leave any single-stem RM or YB or											
		WB and Hemlock for diversity and legacy trees, coppice indicates past harvesting history, generally											
		fuelwood quality stand with a couple of single-stem hardwoods, stand <b>could</b> be treated with a mix											
		of patch or strip cuts in portions to increase diversity and enrich with some quality hardwoods (ie. RO											
		, young patch near woods road (patch harvest 35 years ago now coppice RM and BF)											

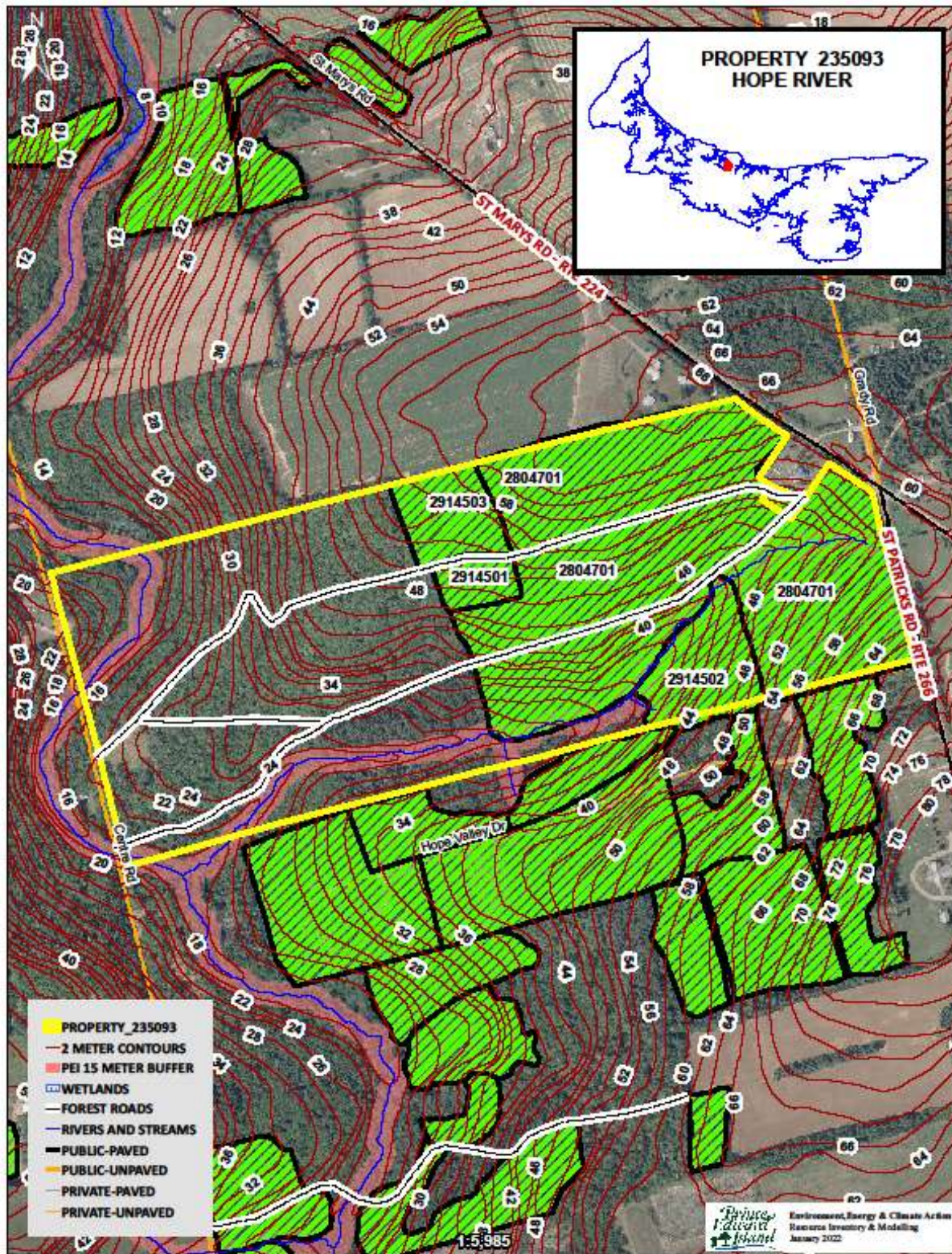
STAND TALLY SHEET													
CRUISER	L. Stevenson			STAND #	84227			PLANTATION #					
PROPERTY #	235093			AREA	2.27 ha		Date	17 /	4 /	2023			
								D	M	Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	RM	35	16	13	30	4	WB		27	15	30		
2	RM		12	12	30	5							
3	BF		22	12	25	6							
STAND INFORMATION													
Stand Basal Area	SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha	
Species and (%)	RM70	%	BF20	%	WB10	%	(WS,HE,PO)						
Even-aged X	Uneven-aged			Biomass									
Slope	10	%	Aspect	W/SW									
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	X	Overstocked		Patchy				
Density:	SW	500	HW	3,250									
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:				Mountain Ash noted (wildlife value), wild apple noted on road to NW, *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		Excellent		Erosion Control Required	Y / N			
Snag Trees:	Adequate		Inadequate										
Coarse Woody Material:	Adequate		Inadequate										
Dens		Nests (Raptors, songbirds, etc.)											
Wildlife Observed													
Comments	60cm Hemlock snag (10m tall),												
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 dozed road at crest of slope, stand is young (harvested), White Birch ("paper-bark"), coppice RM indicating past harvest history, relatively immature, leave to develop at this point and monitor health, relatively stable stand type, no treat at this time, coppice growth with 11 stems per stump indicating relatively good growing conditions (good soils and drainage)												

STAND TALLY SHEET												
CRUISER		L. Stevenson		STAND #		841480		PLANTATION # 2914501(RP)				
PROPERTY #		235093		AREA		0.67 ha		Date		17 / 4 / 2023		
										D M Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	RP	32	20	14	30	4						
2	RP	32	22	14	30	5						
3	RP	32	16	14	30	6						
STAND INFORMATION												
Stand Basal Area		SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha
Species and (%)		RP100	%	%	%	%	(RM,PC)					
Even-aged X		Uneven-aged		Biomass								
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			Fully Stocked		Overstocked	X	Patchy			
Density:		SW	2,250	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:				*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	X	Inadequate								
Coarse Woody Material:		Adequate		Inadequate	X							
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed												
Comments		snowshoe hare tracks										
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:		minimal shoot moth noted, good form, could be pruned, typical RP development, not feasible to										
		thin based on lack of markets and possible issues in future weather events, monitor development										
		to plan future transition of stand										

STAND TALLY SHEET													
CRUISER		L. Stevenson		STAND #		84459		PLANTATION # 2914503(BS)					
PROPERTY #		235093		AREA		1.39 ha		Date		17 / 4 / 2023			
										D M Y			
SAMPLE TREE INFORMATION													
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%		
1	BS	32	16	11	60	4	BS	32	11	9	60		
2	BS	32	14	9	60	5							
3	BS	32	14	10	60	6							
STAND INFORMATION													
Stand Basal Area		SW		M <sup>2</sup> /Ha	SWSL		M <sup>2</sup> /Ha	HW		M <sup>2</sup> /Ha	HWSL		M <sup>2</sup> /Ha
Species and (%)		BS90	%	%	%	%	RM, WB, PC(PO)						
Even-aged X		Uneven-aged										Biomass	
Slope		6 %	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		Fully Stocked				Overstocked		X Patchy			
Density:		SW	2,750	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	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, red squirrel,											
Comments		old natural openings in stands (diverse species in old brush piles)											
STAND PRESCRIPTION													
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut							
Commercial Thinning		2030	Afforestation		Site Preparation								
Pre-commercial Thinning		Reforestation		Riparian Zone Mgmt									
Pln. Maint.		Y / N	Stems/Ha										
Comments:		good form and good live crown %, relatively small diameters (quite dry site for BS), good leder											
		growth, 2 piece tall trees (fence post size), monitor health in 7-10 years, could thin between natural											
		openings, maintain windfirmness on top of slope, monitor in future to follow development if thin											
		would be recommended or leave to develop naturally											



# Appendix G. Plantation Map with Contour Lines



## Appendix H. Work Completed

activity number	treatment code	amount completed	treatment date	treatment description
0	1	0.98	11/3/1993	Class 1 Road Construction
0	101	3.3	12/14/1992	Class I PCT Softwood < 6 M 0-5000
0	101	0.7	12/14/1992	Class I PCT Softwood < 6 M 0-5000
	11	1000	8/10/2016	Landing Construction
0	110	3.47	12/14/2001	Commercial Softwood< 5000 /Ha
	13	1.42	9/30/2016	Trail Maintenance
	15	2.12	8/8/2016	Road right of way cutting
0	16	2.04	9/30/2004	Misc. Road Maintenance
0	16	1.94	11/1/2001	Misc. Road Maintenance
0	16A	2.03	9/3/2010	Manual roadside trimming (brush saw)
1130557	16A	2.03	9/3/2013	Manual roadside trimming (brush saw)
	16B	2.04	6/16/2014	Mechanical roadside trimming
0	16B	2.23	4/1/2005	Mechanical roadside trimming
0	201	1.8	12/14/1992	Class I PCT Hardwood 5000-10000/Ha
0	225	0.5	12/14/1992	Uniform Shelterwood: Hardwood
0	23A	1.5	12/12/1990	Rhyme Disc Single Pass - Per Ha
0	23A	0.6	12/12/1990	Rhyme Disc Single Pass - Per Ha
0	29	1	12/12/1990	Raking Crawler Tractor-Root Rake:per Ha
0	29	0.6	12/12/1990	Raking Crawler Tractor-Root Rake:per Ha
0	29	1.5	12/12/1990	Raking Crawler Tractor-Root Rake:per Ha
	320	1	10/9/2018	Provincial Forest Sign Installation
0	38A	1.5	1/9/1991	Slash Pile Burn Less Than 4 Ha.
0	38A	0.6	1/9/1991	Slash Pile Burn Less Than 4 Ha.
0	38A	1.02	1/9/1991	Slash Pile Burn Less Than 4 Ha.
0	3E	1	11/3/1993	Culvert 40cm Class 1& 2 road
3220504	3I	1	11/9/2022	Culvert 60cm Class 1&2 road
2912503	51C	2809	1/28/1992	BLACK SPRUCE - CENTRAL
2914501	53C	1536	5/28/1991	RED PINE - CENTRAL
2914502	53C	4352	5/28/1991	RED PINE - CENTRAL
2914502	82B	1.59	11/17/1992	Herbicide:Broadcast : 1st Treatment
0	88B	12.54	1/25/1991	Class 2 : Manual : 5001-10000/Ha <6 Metres
	91	3.16	7/6/2017	Strip Cut
3220542	92	8.3	2/1/2023	Clearcut Block
0	92	0.98	10/31/1993	Clearcut Block
1170597	97	129.6	9/13/2017	Wood Extraction
1160554	97	32.23	10/30/2016	Wood Extraction