

Date: Sept.27, 2023

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



Woodlot Management Plan

Property Number: 225441

Location: Brookvale

(Demonstration Woodlot)

Table of Contents

Goals and Management Objectives.....	3
Property Overview	4
Location.....	5
Past Information	6
Property Information	8
Wetland and Watercourses	8
Property Access.....	9
Property Boundaries	11
Fire Protection	11
Planting and Silviculture	11
Wildlife.....	13
Table 1. Proposed treatment summary.....	20
Appendices.....	31
Appendix A. Map of Property with Locator Map.....	32
Appendix B. 1968 Aerial Photography	33
Appendix C. 1935 Aerial Photography	33
Appendix D. 2010 Corporate Land Use Inventory	35
Appendix E. Forest Inventory Codes	36
Appendix F. Stand Tally Sheets from on the Ground Assessment.....	37
Appendix G. Plantation Map with Contour Lines.....	65
Appendix H. Work Completed	76

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

This parcel is managed as part of the Prince Edward Island Demonstration Woodlot system. The

“DEMO Woodlots” were originally created in the 1980’s to show Islanders examples of:

1. Forest management techniques suited to PEI;
2. How high-quality forest products are grown and harvested;
3. Long-term forest research; and
4. Integrating multiple economic, recreation, wildlife and aesthetic forest values.

Following are two examples of snags on the property to be preserved to provide benefits for wildlife.



This parcel was **assigned to the Forests, Fish and Wildlife Division in the 1960's to:**

- a) conduct small scale planting trials (research) of several native tree species (White Spruce, Eastern White Cedar, White Pine, Red Pine) and several exotics (Norway Spruce, Douglas Fir) and determine how they performed on abandoned ("heavily-grassed") old field sites,
- b) demonstrate planting techniques to private landowners in order to encourage them to manage their lands for forest products and other values; and
- c) To promote recreational and educational values of forested lands.

Examples of **research** found on the property include:

- a) Pheromone traps are a research component used to monitor the range of insects that have the potential to be harmful forest pests.
- b) Permanent Sample Plots (PSP's) indicate on-going research. Following are some details on the PSP system:
 - *Research plots are found on Public and Private Land*
 - *Part of a network of around 1,000 PSP's established on PEI since 1976*
 - *Painted red trees are remeasured at regular intervals*
 - *Data is used to forecast forest production and health*
 - *Growth and yield data are used to predict carbon storage and model wood supply*

Location

Property # 225441 is located on Route #13, in the community of Brookvale, P.E.I., (Appendix A). The total area of this property is 54.4 hectares (134.5 acres) and the midpoint of the property is Latitude N 46.29332 decimal degrees, Longitude W -63.40596 decimal degrees.

Past Information

Local records and previous aerial photography show that a large portion of this property was used for agricultural purposes early in the 20th century. To better illustrate this 1935 photography can be seen in Appendix C.

In 1935, approximately 31 hectares (77 acres) was clear and actively farmed. Much of the remaining woodland shows evidence of cutting throughout. It is possible that some scattered wooded patches were not cleared for farmland due to rock formations close to the surface. A farmyard is visible at the southern end of the property where a private residential lot is found today. The extensive historical land-clearing characterizes many of the forested stands found here today. This is a common situation found throughout PEI due to the large amount of land historically cleared for agriculture in the past. Diversity and structure in old fields differ from natural forests that were never cleared. However, extensive forest management and tree planting has restored forest cover and habitat for some forms of wildlife.

By the time aerial photos were taken in 1958, a clearcut had recently been completed north of the woodlot stream. Clearcutting was extensive throughout the wooded sections. Some fields to the northwest were abandoned and being reclaimed by trees seeding in naturally from adjacent woodlands and hedges.

Below is a picture of an historical well discovered on the property. It was filled with stone and protects an underground spring.



The picture below shows “coppice” Red Maple. These multiple stems sprouting from a single cut stump indicate the history of harvesting for fuelwood or other products in stand# 871592.



By 1968, aerial photos show some land that appears actively farmed: 14.5 hectares (35.8 acres) of field is found to the south end of the property and 5.8 hectares (14.3 acres) is found in a narrow strip along the east boundary. Much of the balance of the cleared farmland on the property had been planted with tree seedlings in the mid to late 1960's.

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 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 is one tributary to the West River located on the property. This tributary starts on private land and flows east to west through until it merges with the "main stream". It flows from north to south and can be seen following near the northwest boundary. This observation can be viewed in Appendix A. This stream is fish-bearing and is part of the larger West River system that supports fish populations and sport fishing.

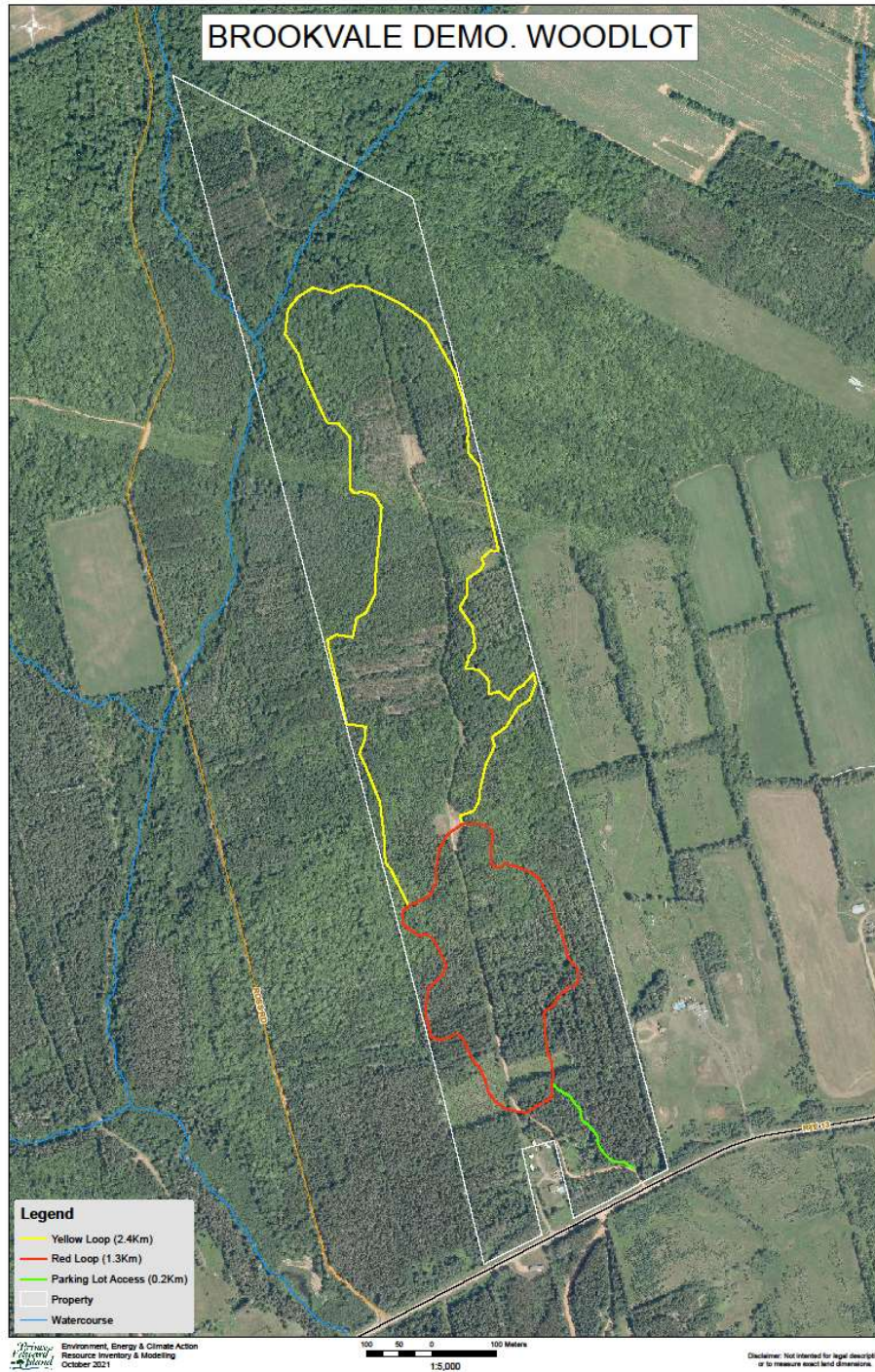
Property Access

Access to this property is obtained utilizing a 1.95 km class 1 woods road. The woodlot road access point is found to the southeast corner of the property. Following hurricane Fiona, the road was blocked by windfall in sections. Ongoing road maintenance will be required to keep the road in a useable condition. This will include keeping the right-of-way clear of any brush or trees, repairing rutting on the road, repairing any wet areas that restrict access, and any other maintenance required to keep these roads usable. Existing roads on the property can be seen on Appendix A.

Walking access is provided by a woodland trail system that is approximately 3.9 km in length. The photo below shows a section of the trail during the winter of 2022. Following hurricane Fiona (Sept. 3, 2022), the trail was rerouted to avoid heavily damaged sections.



Following is a map of the location of the original interpretive trail network prior to hurricane Fiona. The route is currently modified due to Fiona.



Property Boundaries

The property is bounded on the north, east and west by private land. The southern boundary is found on Route# 13. A portion of the central-Southern boundary surrounds a small residential lot. (NOTE: A high-voltage power line corridor right-of-way leading from Borden to Charlottetown is found crossing east to west in the central portion of the parcel.)

Fire Protection

This property is located within the jurisdiction of the Crapaud Fire Department. The amount of personnel and equipment used to fight any forest fires will depend greatly upon the size and severity of the fire. Protection of our woodland from forest fire is the responsibility of the Forestry Division and our local community fire brigades. In the Western District, there are four-wheel drive forestry fire trucks housed at 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. Specialized equipment includes “muskegs” that are designed for wildfires and these are on standby at the JF Gaudet Provincial Tree Nursery at Upton Rd., Charlottetown. The stream that flows through the property near the north would be a suitable site to setup a portable fire pump system.

Planting and Silviculture

There are 36 mapped plantations found on this property. As noted, areas were planted for long-term research and demonstration purposes. 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.

During management woodlands, the future expected results of climate change and its effect on forest health are being considered. Climate change is expected to have differing impacts on specific tree species and forest communities. Some anticipated wind events or the impacts of insects and diseases may adversely affect development or may hasten the decline and mortality of certain forest stands. Sustainable forest management



techniques can be utilized to help develop a future forest adapted for anticipated change. This can be done while salvaging timber volume and value to provide forest products. Some underplanting can add diversity to the woodland and help enhance the transition into the distant future. The Red Oak and White Pine seedlings pictured here are species that have silvicultural characteristics that science suggests may be adapted to climate change in our region.



Wildlife

General “winter” observations of wildlife included:

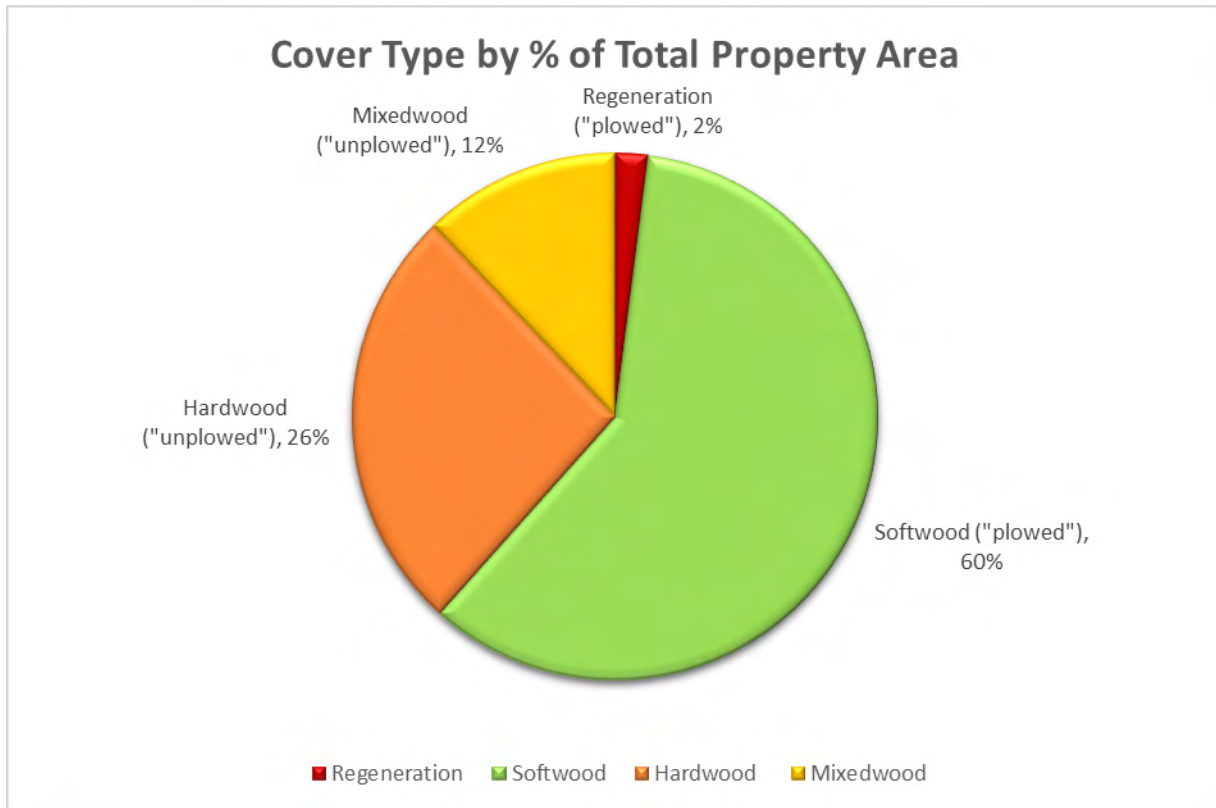
- Mammals: Vole (mouse), snowshoe hare, red squirrel and fox tracks were noted in snow.
- Birds: American crow, barred owl, black-capped chickadee, red-breasted nuthatch, and blue jay were noted. A red-tailed hawk was seen feeding on a ruffed grouse carcass. (Warblers, slate-coloured junco, and others have been noted in the woodlot during the summer.)
- Reptiles and Amphibians: Some species are expected to be using this area.
- Fish: It is expected that the streams would contain salmonoid species.

There are many components of Prince Edward Island wildlife that include wild mammals, birds, reptiles, amphibians, fish, invertebrates, plants, fungi, algae, bacteria and other wild organisms. Forests provide valuable habitat for many forms of wildlife. Some species such as Red Fox are “generalists”. Generalists survive in a wide range of habitats and have a varied diet. Other species such as barred owl are “specialists” and have more specific habitat and diet requirements. The composition of a forest and individual forest stands provide opportunities for different forms of wildlife.

Most PEI forests were influenced by historical tree harvesting and land clearing by settlers beginning in the 1700’s. By 1900, only about 30% of PEI was forested. Areas or forest stands with a history of agriculture use are characterized as “plowed” and tend to have less inherent diversity of species, age and stand structure. Sections never cleared for farming (“unplowed”) tend to be more complex with multiple tree and shrub species.

The following graph depicts general cover type categories found on this property “before” hurricane

Fiona.



***After Fiona storm damage;** the”) Softwood (“plowed”) portion has now diminished to around 45%; the Hardwood portion diminished to 21%; the “younger” Mixedwood portion diminished to 10%; and forest in the Regeneration phase has increased to 24%.

Following are features of the four “general” **cover types**:

1. Regeneration Cover Types:

Some species of wildlife require older forest habitat; other species may prefer regenerating open areas. Regeneration refers to recently disturbed areas that are in the initial stages of development. In disturbed areas such as harvest sites, plant and tree species that prefer open light situations (“early successional”) quickly establish and replace trees that once occupied the

area. Species of wildlife that might use these areas include the American robin, song sparrow, and snowshoe hare. Various predators such as fox, coyote and some hawk species use these areas.

2. Softwood Cover Types (old field):

Many old abandoned fields regenerated with white spruce, alder and other intolerant tree species. The natural seed was provided by adjacent woodland and hedgerows. Tree planting was sometimes used to establish forest cover on “heavily-grassed” old fields abandoned from active farming. These softwood cover types favour wildlife species such as red squirrel, snowshoe hare, American crow, raven, northern junco, black-capped chickadee, red-breasted nuthatch and sparrows. The dense crowns may provide nesting opportunities for hawk, crow and raven. The mid-canopy provides habitat for red squirrel. The forest floor may contain snowshoe hare and others. As a result, a variety of predator species may hunt in these stands. Pine dominated stands encourage species such as American goldfinch and robin. Small birds can find insects and grubs under scaly bark. (Large crowns in some specific White Pine on PEI are nest sites for bald eagle.)

3. Hardwood Cover Types:

- a) Tolerant Hardwood: Prior to historical disturbance by settlers, the forest cover in this locale was probably dominated by tolerant hardwood. (Land clearing for agriculture and historical settler harvesting for fuelwood has reduced the amount of tolerant hardwood found on PEI.) These stands tend to have more structural and species diversity and were never cleared for agriculture (“unplowed”). This cover can develop large snags and stable forest cover required by cavity nesters. The stands can develop diversity of structure due to stand ecology. Tolerant hardwood

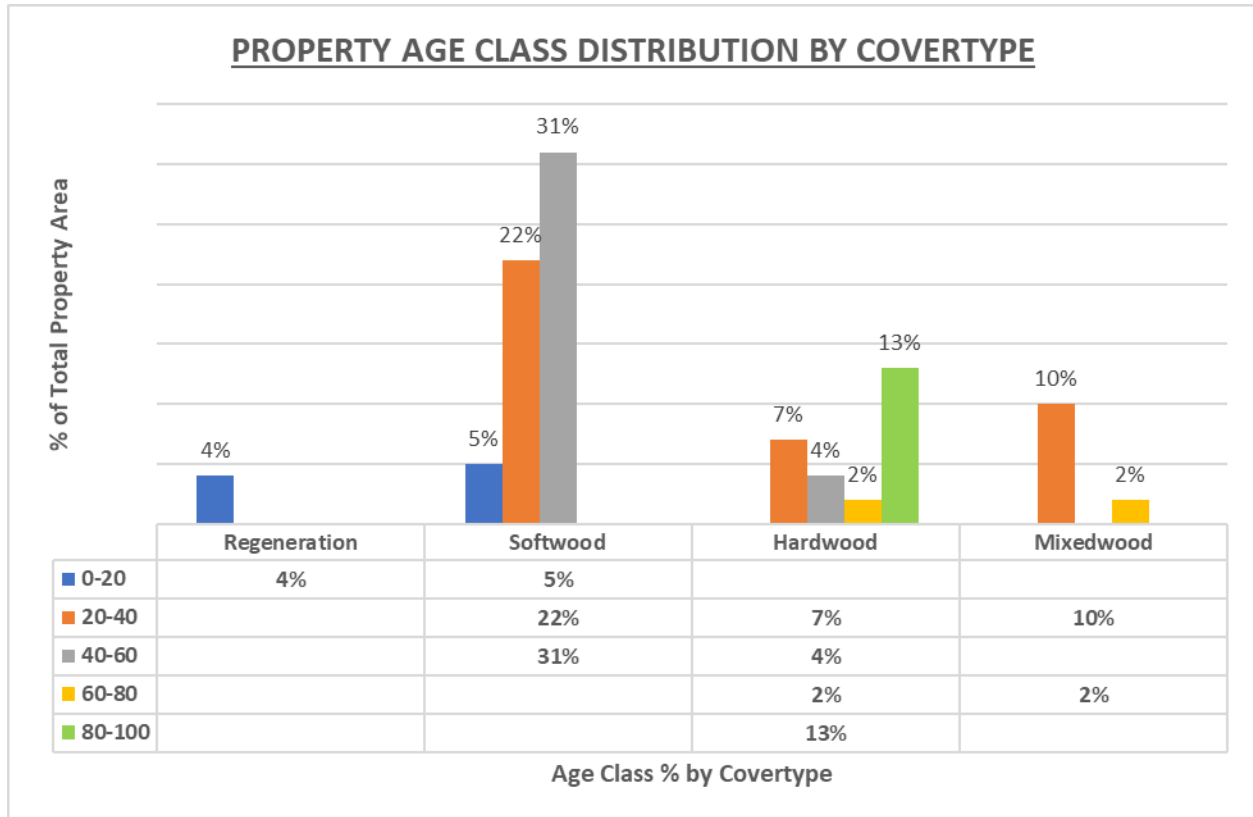
can develop in the shaded understory creating diversity of heights and ages with small openings sometimes created in the understory. Hairy and downy woodpecker, flying squirrel, snowshoe hare, black-capped chickadee, and others inhabit this forest. These draw various forms of predators including raptors.

- b) Intolerant Hardwood: Intolerant hardwood areas were generally never cleared for farmland (“unplowed”). However, they are characterized by a history of harvesting for fuelwood. The ecology of this forest type could allow for partial cuts that will regenerate naturally through seed or coppice growth. The small openings that can be created in these stands can improve diversity of cover and stand structure. The yellow-bellied sapsucker and ruby-throated hummingbird can utilize sap from the Red Maple stand component. Old Red Maple trees can create valuable snags for cavity nesters. Cover in the understory can be utilized by snowshoe hare. The fruit, seed and buds in these stands can be valuable to wildlife. These stands tend to have diverse habitat and cover that may encourage species such as ruffed grouse.

4. Mixed Wood Cover Types:

Mixed wood stands (a mix of hardwood and softwood) can contain a diverse number of species. The variety of cover can provide valuable habitat. Species noted in mixed wood may include red-breasted nuthatch, robin, snowshoe hare and ruffed grouse along with associated predators such as the northern goshawk.

Following is a diagram depicting the age class distribution of the general cover-type categories on this property **before hurricane Fiona**. Salvage harvest areas will increase in the regeneration age class due to developing new forest cover.



Sustainable forest management can produce products while enhancing wildlife habitat. The Eco-System Based Forest Management Standards includes enhancement techniques for wildlife.

- These include the installation of nesting boxes where insufficient nesting opportunities exist. Cavity nesting birds may include chickadee, flickers, tree sparrows, nuthatches, barred owls and others. Bats and flying squirrels may utilize specifically designed nesting boxes.
- It can include the establishment of artificial brush cover piles for escape, cover and nesting areas.

- Planting seed production orchards and creating openings to encourage the development of vegetation can increase food (“mast”), cover and nesting opportunities.
- A provision of Eco-System Based forest management requires diversity enhancement where cover patches and travel corridors are preserved within harvest areas.
- Coarse woody debris requirements for some treatments maintain habitat for small ground animals and invertebrates.
- Snags can be preserved to maintain wildlife benefits.
- Rare plants and animals require protection.
- When available, 15% of alternate tree species can be left in thinning type treatments.
- Demonstration Woodlots are designated “no hunting or trapping”.

******Any sustainable forest management treatments will affect the wildlife that utilize a property. Certain species of animals may increase in number while others will decrease or remain the same. The cover-type, forest age and ground vegetation are all important habitat factors.***

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	2023	1.95 km	Pg 12	Brush cutting, side trimming	Improve road access for forest management and fire access
Road	Culvert Replacement	2023	1	Pg 12	Replace or decommission, permit required	Improve road access, enable fish passage
Road	Fill and Level, Diversions	2023		Pg 11	Fill and grading of road surface as required, drainage	Improve road access for forest management and fire access
Wildlife	Species Survey	2023		NA	Inventory species distribution on the woodlot	Create awareness to tailor management
Wildlife	Nesting boxes	2023		Pg 33	Create nesting opportunities	Supplement natural distribution of snags or nesting sites to enhance for wildlife
						(continued)

Wildlife	Site Preparation & Enhancement Plant	2023		Pg 14, 17	Improve wildlife habitat with low density “spot-plant”	Enhance wildlife habitat characteristics of property
87374, 87462	Invasive species removal	2023	1	Pg 38	Glossy buckthorn identified	Protect ecological integrity of property and locale
	Trail upgrade	2023	3.9 Km	Pg 7	Reroute trail around drainage issues to protect, upgrade surface as required, trimming and maintenance	Improve access, limit environmental impact (create new trail map)
	Interpretive signage upgrade	2023		NA	System of interpretive signage	Upgrade signage, improve public education component of Demonstration Woodlot
						(continued)

871202,	Manual Site Preparation and Planting	2024	2.71 Ha	Pg 14 & 16	White Pine plantations, complete Fiona windfall emergency salvage sites	Plant to reforest and supplement natural regeneration
87458,						
87459,						
871206						
PN#						
2660020,						
2660042,						
2660017,						
2660015,						
2660013,						
2660024,						
2660027						
871202,	Manual Plantation Maintenance	2027	2.71 Ha	Pg 17	Natural Regeneration and planted seedlings	Encourage growth of quality stems, develop future quality forest cover
87458,						
87459,						
871206						
PN#						
2660020,						
2660042,						
2660017,						
2660015,						
2660013,						
2660024,						
2660027						

87374	Manual Site Preparation and Planting	2024	2.71 Ha	Pg 14 & 16	Fiona windfall emergency salvage site	Plant to reforest and supplement natural regeneration
87374	Manual Plantation Maintenance	2027	2.71 Ha	Pg 17	Natural Regeneration and planted seedlings	Encourage growth of quality stems, develop future quality forest cover
871201 & 87426	Manual Site Preparation and Planting	2024	0.30 Ha	Pg 14 & 16	Fiona windfall emergency salvage pocket	Plant to reforest and supplement natural regeneration
PN#						
260035, 2660038						
871201 & 87426	Manual Plantation Maintenance	2027	0.30 Ha	Pg 17	Natural Regeneration and planted seedlings	Encourage growth of quality stems, develop future quality forest cover
PN#						
260035, 2660038						
						(continued)

87434,	Manual Site Preparation & Enrichment Plant	2023	3.91 Ha	Pg 14, 17	RP stand thinned in past (residual trees in decline, poor health and vigor), remaining trees shading forest floor and possible limiting raspberry development	Underplant to develop future quality stand
87422,						
87481,						
871195						
PN# 2861702,						
2895521,						
2895522,						
2895523						
872289	Manual Site Preparation and Planting	2024	1.48 Ha	Pg 14 & 16	Fiona windfall emergency salvage site sections	Plant to reforest and supplement natural regeneration
872289	Manual Plantation Maintenance	2027	1.48 Ha	Pg 14	Natural Regeneration and planted seedlings	Encourage growth of quality stems, develop future quality forest cover
871204,	Patch/Strip Harvest	2032	1.6 Ha	Pg 29, 28	Higher elevation, natural hardwood stand, good diversity	Create openings for natural regeneration, create diversity and quality
871197,						
871592						

871204,	Site Preparation and Enrichment Plant	2032	1.6 Ha	Pg 14, 17	Low density planting in openings (“spot-planting” for enrichment)	Add quality and diversity, develop seed sources into the distant future adapted to climate change (possible RO)
871197,						
871592						
872290	Manual Site Preparation and Enrichment Plant	2024	0.77 Ha	Pg 14 & 17	Fiona emergency salvaged, expect PO regeneration	Supplement natural regeneration, add quality and diversity
872290	Manual Plantation Maintenance	2026	0.77 Ha	Pg 17	Expect significant PO regeneration	Encourage growth, encourage quality
87423, 87459, 87895 PN# 2660011, 2660015, 2660018	Manual Site Preparation and Plant	2024	2.12 Ha	Pg 14 & 17	Fiona emergency salvage	Supplement natural regeneration, add quality and diversity
87423, 87459, 87895 PN# 2660011, 2660015, 2660018	Manual Plantation Maintenance	2027	2.12 Ha	Pg 17	Maintain quality regeneration	Encourage growth on quality seedlings and naturals

87192	Manual Site Preparation and Enrichment Plant	2024	0.40 Ha	Pg 14 & 17	Fiona emergency selection salvage	Enrichment plant in selected openings created, supplement natural regeneration
87192	Manual Plantation Maintenance	2027	0.40 Ha	Pg 17	Maintain quality regeneration	Encourage growth on quality seedlings and naturals
87473 PN# 2130001	Manual Site Preparation and Enrichment Plant	2024	0.29 Ha	Pg 14 & 17	Spot plant a few seedlings	Supplement plantation, add quality and diversity
871196 PN# 2861704	Patch Cut/ Strip Cut (*modified)	2025	2.00 Ha	Pg 28 & 29	Salvage Fiona damage, save established hardwoods	Salvage and create openings
871196 PN# 2861704	Manual Site Preparation and Enrichment Plant	2025	2.00 Ha	Pg 14 & 17	Established small diameter hardwoods	Plant openings created, supplement natural regeneration
871208, 87461 PN# 2670005, 2670004	Manual Site Preparation and Enrichment Plant	2024	0.50 Ha	Pg 14 & 17	Fiona emergency salvage (patch cut), some shaded	Establish cover with tolerant species
871590 PN# 2861703	Commercial Thin	2032	2.25 Ha	Pg 26	Understory establishing, no Fiona damage	Selection/Thin to release understory

871589 PN# 2861701	Block Harvest	2032	096 Ha	Pg 30	Monitor for decline for appropriate timing	Harvest when mature
871589 PN# 2861701	Manual Site Preparation and Enrichment Plant	2033	096 Ha	Pg 14 & 17	Evaluate regeneration to prescribe density	Establish quality forest cover
871589 PN# 2861701	Manual Plantation Maintenance	2035	0.96 Ha	Pg 17	Evaluate quality of regeneration and seedlings	Encourage growth on quality seedlings and naturals
871324, 86157, 871794	Patch Cut (*modified salvage)	2023	1.60 Ha	Pg 29	Section of Fiona damage in older hardwood stand	Salvage, create openings
871333 PN# 2660009	Patch Harvest (Block Harvest)	2023... (2029)	0.8 Ha	Pg 29 & 30	Chainsaw training patch harvest	Create openings to transition to future quality
871333 PN# 2660009	Manual Site Preparation and Enrichment Plant	2024...	0.8 Ha	Pg 14 & 17	Fiona emergency salvage site, some regeneration	Establish quality forest cover, supplement regeneration
871333 PN# 2660009	Manual Plantation Maintenance	2027...	0.8 Ha	Pg 17	Evaluate quality of regeneration and seedlings	Encourage growth on quality seedlings and naturals
						(continued)

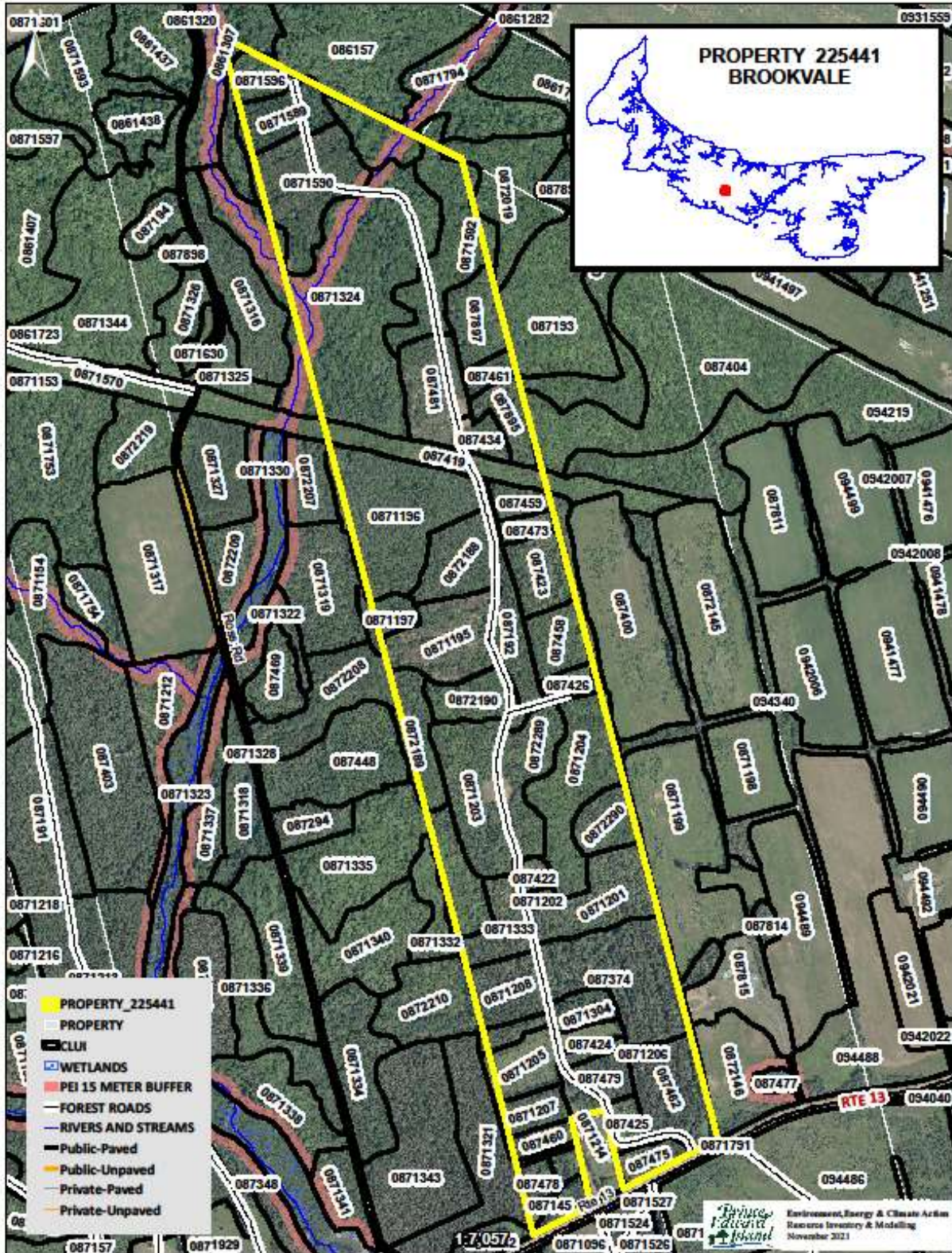
871203 PN# 2875041	Manual Site Preparation and Enrichment Plant	2033	2.0 Ha	Pg 14 & 17	Fiona emergency salvage site, some regeneration	Establish quality forest cover, supplement regeneration
871203 PN# 2875041	Manual Plantation Maintenance	2027...	2.0 Ha	Pg 17	Evaluate quality of regeneration and seedlings	Encourage growth on quality seedlings and naturals
871589	Block Harvest	2032	0.96 Ha	Pg 30	Monitor stand development	Salvage and prepare to transition to future
871589	Manual Site Preparation and Enrichment Plant	2033	0.4 Ha	Pg 14 & 17	Fiona emergency salvage site, encourage regeneration	Establish quality forest cover, supplement regeneration
871589	Manual Plantation Maintenance	2027...	0.96 Ha	Pg 17	Evaluate quality of regeneration and seedlings	Encourage growth on quality seedlings and naturals
872188 PN# 2845771	Manual Site Preparation and Enrichment Plant	2024	0.45 Ha	Pg 14 & 17	Spot plant a few seedlings, some already planted	Increase diversity, transition to future
872188 PN# 2845771	Manual Plantation Maintenance	2027...	0.96 Ha	Pg 17	Evaluate quality of regeneration and seedlings	Encourage growth on quality seedlings and naturals

87424, 871205 PN# 2130002, 2120001	Plantation Maintenance	2023...	1.19 Ha	Pg 17	Immature plantation, good development	Encourage growth (if required)
87460 PN# 2660043	Manual Site Preparation and Enrichment Plant	2024	0.45 Ha	Pg 14 & 17	Fiona emergency salvage	Establish quality forest cover, supplement regeneration
87460 PN# 2660043	Plantation Maintenance	2027	0.45 Ha	Pg 17	Immature plantation, good development	Encourage growth if required
87478, 87474 PN# 2660043, 266041	Manual Site Preparation and Enrichment Plant	2024	0.53 Ha	Pg 14 & 17	Fiona emergency salvage	Establish quality forest cover, supplement regeneration
87478, 87474 PN# 2660043, 266041	Plantation Maintenance	2027	0.53 Ha	Pg 17	Immature plantation, good development	Encourage growth if required
87427 PN# 2660039	Manual Site Preparation and Enrichment Plant	2024	0.10 Ha	Pg 14 & 17	Fiona emergency salvage	Establish quality forest cover, supplement regeneration
87427 PN# 2660039	Plantation Maintenance	2027	0.10 Ha	Pg 17	Immature plantation, good development	Encourage growth if required
87145 PN#	Select Tree Harvest (*modified)	2029	0.33 Ha	Pg 27	Slope to highway	Create some small openings

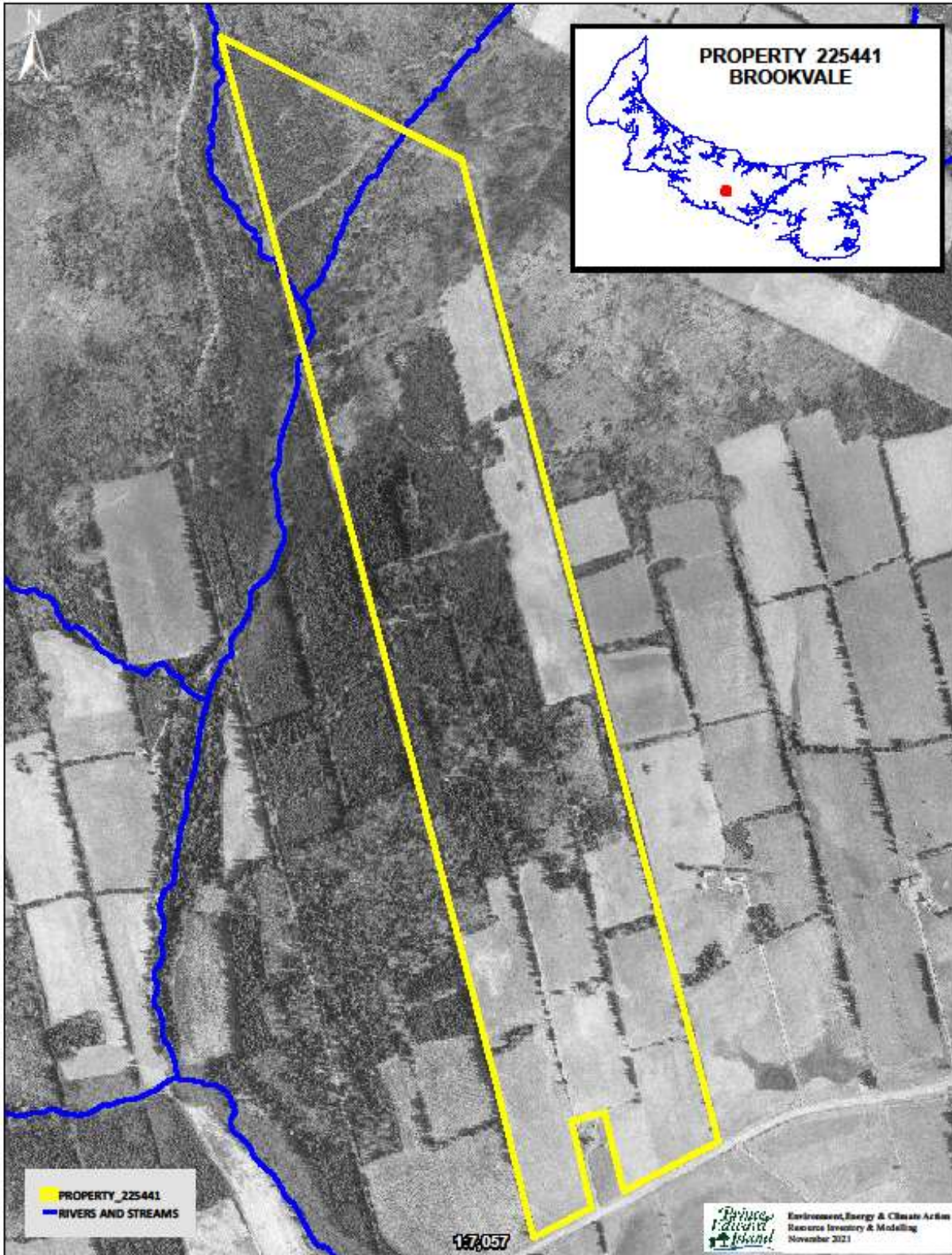
87145 PN#	Manual Site Preparation and Enrichment Plant	2024	0.10 Ha	Pg 14 & 17	Small openings on slope	Diversity enhance, transition to future
87462 PN# 2680005	Patch Harvest (*modified)	2023...	0.30 Ha	Pg 29	Salvage patches as required, maintain wind protection	Diversity enhance, transition to future
87462 PN# 2680005	Plantation Maintenance	2027	0.30 Ha	Pg 17	Immature plantation, good development	Encourage growth if required
87462 PN# 2680005	Manual Site Preparation and Enrichment Plant	2024...	0.10 Ha	Pg 14 & 17	Fiona emergency salvage portion and future harvests	Diversity enhance, transition to future
87462 PN# 2680005	Plantation Maintenance	2027...	0.10 Ha	Pg 17	Immature plantation, good development	Encourage growth if required

Appendices

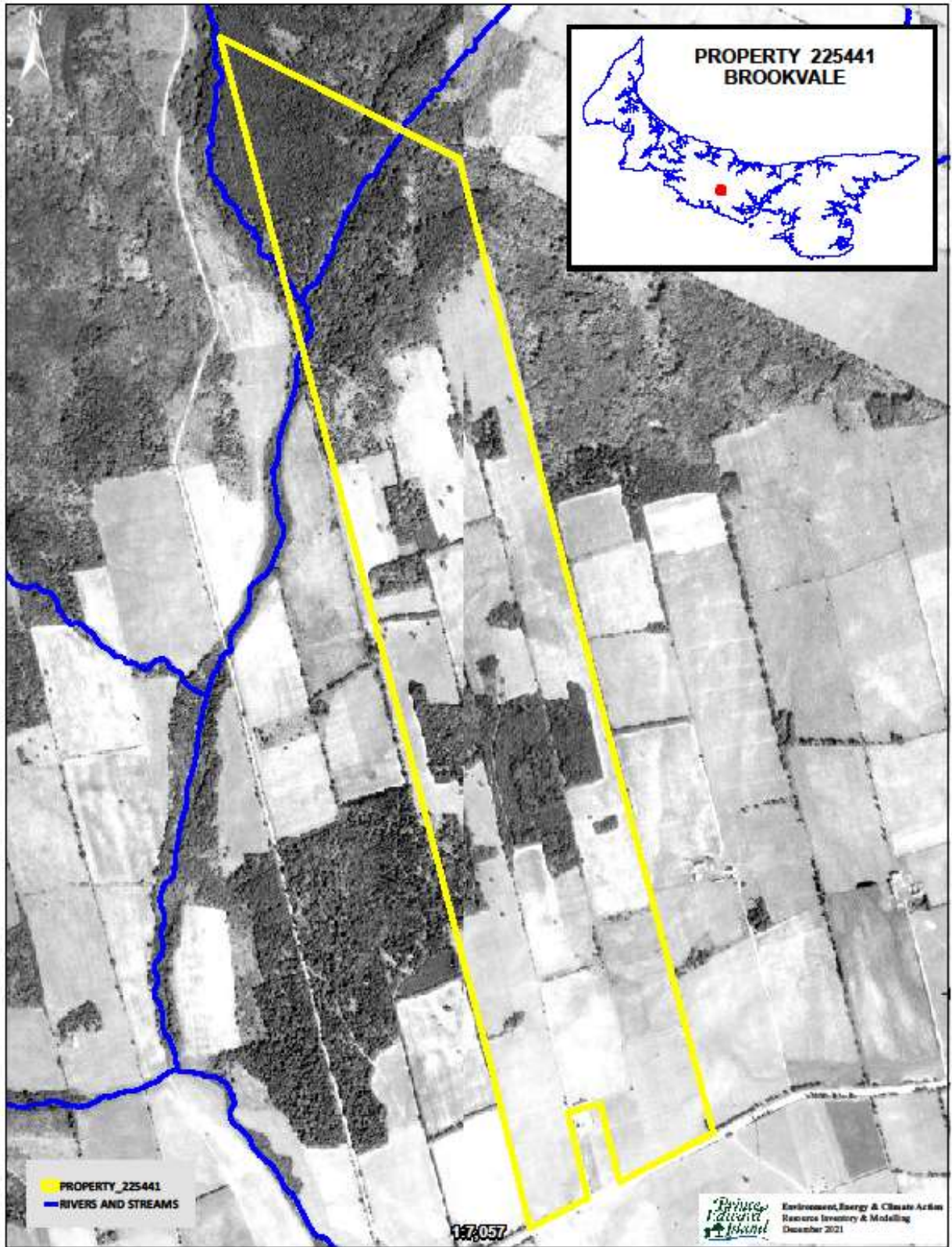
Appendix A. Map of Property with Locator Map



Appendix B. 1968 Aerial Photography



Appendix C. 1935 Aerial Photography



Appendix D. 2010 Corporate Land Use Inventory

FIELDID	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	HISTORY2	HECTARES
087897	WP	10.00		0.00		0.00		0.00		0.00	17.00	PN-66	1.00
087458	WP	10.00		0.00		0.00		0.00		0.00	17.00	PN-66	0.85
0871202	WP	10.00		0.00		0.00		0.00		0.00	16.00	PN-66	0.13
0871206	WP	10.00		0.00		0.00		0.00		0.00	17.00	PN-66	0.19
087479	CE	10.00		0.00		0.00		0.00		0.00	15.00	PN-69	0.57
0871207	WP	10.00		0.00		0.00		0.00		0.00	20.00	PN-66	0.54
087461	NS	10.00		0.00		0.00		0.00		0.00	17.00	PN-67	0.33
0871589	BF	9.00	RM	1.00		0.00		0.00		0.00	7.00	PN-86	0.96
0871592	BF	3.00	RM	3.00	WB	2.00	WS	2.00		0.00	13.00		2.08
0871590	RP	10.00		0.00		0.00		0.00		0.00	11.00	PN-86	2.25
087481	RP	9.00	PO	1.00		0.00		0.00		0.00	7.00	PN-89	1.46
087434	RP	8.00	RM	1.00	PO	1.00		0.00		0.00	10.00	PN-86	0.42
0871196	LA	5.00	WS	2.00	WB	2.00	PO	1.00		0.00	12.00	PN-86	3.14
0871195	RP	9.00	WB	1.00		0.00		0.00		0.00	7.00	PN-89	1.78
0871203	BS	7.00	PO	2.00	WB	1.00		0.00		0.00	9.00	PN-80	2.02
0871333	DF	8.00	PO	1.00	WB	1.00		0.00		0.00	14.00	PN-66	0.90
0871321	WS	10.00		0.00		0.00		0.00		0.00	14.00		0.00
0872188	WS	8.00	WB	1.00	PC	1.00		0.00		0.00	7.00	PN-86	1.29
087895	DF	7.00	WS	2.00	WB	1.00		0.00		0.00	17.00	PN-66	0.72
087459	DF	7.00	WP	3.00		0.00		0.00		0.00	16.00	PN-66	0.42
087473	RP	10.00		0.00		0.00		0.00		0.00	16.00	PN-66	0.29
087423	DF	9.00	WB	1.00		0.00		0.00		0.00	14.00	PN-66	0.98
087426	DF	9.00	WB	1.00		0.00		0.00		0.00	14.00	PN-66	0.26
0871201	DF	8.00	WB	1.00	PO	1.00		0.00		0.00	14.00	PN-66	1.67
087422	RP	10.00		0.00		0.00		0.00		0.00	16.00	PN-65	0.25
087374	WS	9.00	WB	1.00		0.00		0.00		0.00	14.00		2.75
0871208	NS	10.00		0.00		0.00		0.00		0.00	20.00	PN-67	1.02
0871304	WS	6.00	WB	2.00	PO	1.00	RM	1.00		0.00	12.00		0.80
087424	RP	10.00		0.00		0.00		0.00		0.00	14.00	PN-66	0.32
0871205	RP	10.00		0.00		0.00		0.00		0.00	15.00	PN-66	0.87
087462	DF	10.00		0.00		0.00		0.00		0.00	15.00	PN-68	1.59
087425	RP	8.00	DT	2.00		0.00		0.00		0.00	16.00	PN-66	0.33
087460	DF	10.00		0.00		0.00		0.00		0.00	14.00	PN-66	0.36
087475	RP	10.00		0.00		0.00		0.00		0.00	12.00	PN-84	0.45
087428	RP	10.00		0.00		0.00		0.00		0.00	13.00	PN-66	0.08
087474	BF	7.00	DT	3.00		0.00		0.00		0.00	15.00	PN-66	0.21
087478	WS	7.00	DT	3.00		0.00		0.00		0.00	10.00	PN-66	0.32
087427	SP	10.00		0.00		0.00		0.00		0.00	16.00	PN-66	0.10
087145	RP	10.00		0.00		0.00		0.00		0.00	9.00		0.33
0872289	WS	4.00	RM	2.00	WB	2.00	PO	1.00	BF	1.00	12.00		1.48
0861307	RM	4.00	RS	2.00	BF	2.00	YB	1.00	WB	1.00	19.00		0.08
086157	SM	4.00	RM	3.00	YB	2.00	BF	1.00		0.00	19.00		0.05
0871596	DT	5.00	RM	2.00	WS	1.00	BF	1.00	PO	1.00	16.00		0.53
0871794	RM	4.00	SM	2.00	YB	2.00	WB	1.00	WS	1.00	18.00		0.82
0871324	SM	3.00	WB	2.00	RM	2.00	BF	2.00	PO	1.00	17.00		6.10
0871197	RM	4.00	WS	3.00	WB	2.00	PC	1.00		0.00	10.00		0.35
0871335	SM	6.00	RM	2.00	WS	1.00	WB	1.00		0.00	17.00		0.95
0871342	WS	4.00	WB	4.00	PO	2.00		0.00		0.00	12.00		0.01
0872189	PO	4.00	RM	2.00	WS	2.00	WB	2.00		0.00	15.00		0.90
0872190	RM	3.00	PO	3.00	WB	2.00	WS	1.00	PC	1.00	12.00		0.97
0872019	RM	4.00	SM	3.00	YB	2.00	WB	1.00		0.00	18.00		0.03
087193	SM	4.00	RM	3.00	YB	1.00	PO	1.00	WB	1.00	16.00		0.00
087902	RM	4.00	PO	2.00	WB	2.00	BF	2.00		0.00	11.00		0.00
087404	SM	4.00	RM	2.00	WB	2.00	BE	1.00	YB	1.00	17.00		0.02
087192	WS	4.00	WB	4.00	RM	1.00	PO	1.00		0.00	16.00		1.19
0871204	RM	3.00	PO	3.00	WS	2.00	WB	2.00		0.00	14.00		2.28
0872290	RM	3.00	PO	3.00	WS	2.00	WB	2.00		0.00	17.00		0.77

Appendix E. Forest Inventory Codes

EXPLANATION OF FOREST CODES; SPECIES

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

PERCENT

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

CROWN CLOSURE

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

ORIGIN AND HISTORY

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

SAMPLE DESCRIPTIONS

FOREST STAND DESCRIPTIONS

75401 – Stand No.

SM5RM4 – Sugar Maple 50%, Red Maple 40%

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

OF – Origin History Old Field

Stand Numbering relates to the position of the stand within a 100 X 100 grid cell overlaid with the minimum values in the southwest corner and the maximum values in the northeast corner.

A stand labeled 75 40 1 would be positioned within easting grid 75 and northing grid 40 and would be the first stand within that grid cell.

NON-FOREST LAND TYPES

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

FOREST GROUND CONDITION

SW	Wet – Swampy
ST	Steep
SY	Sandy

Appendix F. Stand Tally Sheets from on the Ground

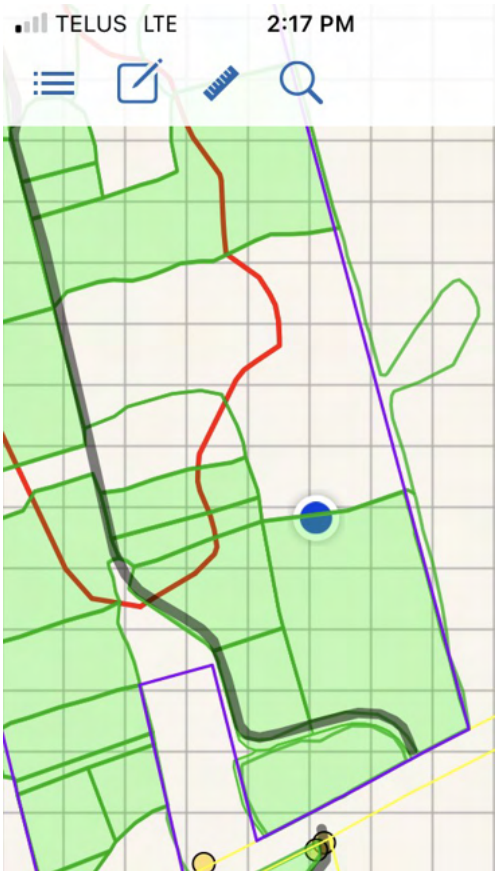
STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87374		PLANTATION #					
PROPERTY #	225441 DEMO (Brookvale)		AREA	2.75 ha		Date	21 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT	
1	WS	57	31	17.5		4	WS	57	28	18	
2	WS	57	33	18		5					
3	WS	57	29	17		6					
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	WS100 %		%			%	(DF)				
Even-aged	X	Uneven-aged								Biomass	
Slope		%	Aspect	S			<i>*permanent sample research plot (PSP) in stand</i>				
Stand Origin:	Old Field	X	Partial Cut	X	thin	Burn		Unploughed			
	Windfall	X	Non Forest					Ploughed	X		
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration		Immature		Mature	X	Over-mature	X			
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy	X			
Density:	SW	750	HW								
Advanced Regeneration:	Understocked		Fully Stocked	X	Overstocked		Patchy				
Regeneration:	1. Spp.	WP (pn.)	Height	2.5	2. Spp.	WP	Height	2.25			
	3. Spp.	WP (pn.)	Height	3.5	4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) elderberry, pincherry, raspberry, alternate-leaf dogwood										
	goldthread, feather moss, club moss, light grass, golden rod, haircap moss,										
Ground Hemlock	Y / N	X	(light coverage), open patches with raspberry (vines present)								
Invasive Species Present	X	Y / N	If yes then what species: glossy buckthorn (*see attached GIS map)								
Site Indicators	Y / N		If yes then what species:								
ENVIRONMENTAL OBSERVATIONS											
Water Course	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor		Moderate		Good	X	Excellent		Erosion Control Required	Y / N	
Snag Trees:	Adequate	X	Inadequate								
Coarse Woody Material:	Adequate	X	Inadequate								
Dens			Nests (Raptors, songbirds, etc.)								
Wildlife Observed	garter snake (Oct.2021)										
Comments	slopes generally south, a couple of plateaus, drainage pattern to south end, adjacent residence										
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation	2024					
Pre-commercial Thinning			Reforestation	2024	Riparian Zone Mgmt						
Pln. Maint.	2028		Stems/Ha								
Comments:	old field WS stand, commercially thinned in past, area underplanted with 750/ha WP seedlings, WP shaded from weevil damage, good form, older WS hedge with some WB and PO, some snags, stand is approaching decline, development on WP planting good (good form), difficult to treat with partial cutting in mature overstory, patch/block emergency salvage Fiona damage to north, west less dense, occassional snag, remnant DF, bark beetle noted in WS, ongoing Fiona emergency salvage										

Assessment

Garter snake noted in stand #87374 on Nov. 2021.



Approximate location of possible glossy buckthorn (invasive species scheduled for removal) in stand #87374.



STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	871201&87426		PLANTATION #	2660035,2660038(DF)				
PROPERTY #	225441 DEMO (Brookvale)		AREA	1.93 ha		Date	21 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	DF	57	34	17	4	DF	54	25	17		
2	DF	57	29	17	5						
3	WS	57	30	17	6						
STAND INFORMATION											
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)	DF90	%	WS10	%		%					
Even-aged	X		Uneven-aged							Biomass	
Slope		%	Aspect	S						**permanent sample research plot (PSP) in stand	
Stand Origin:	Old Field	X	Partial Cut	X	thin	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	X	Patchy				
Density:	SW		HW								
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy	X			
Regeneration:	1. Spp.	RM	Height	4	2. Spp.	RM	Height	6			
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) mountain ash, alternate-leaf dogwood, bunchberry										
	goldthread, western portion (raspberry), elderberry, beaked hazelnut,										
Ground Hemlock	Y / N	X	wood fern, dense haircap moss to southern portion								
Invasive Species Present		Y / N	If yes then what species: _____								
Site Indicators		Y / N	If yes then what species: _____								
ENVIRONMENTAL OBSERVATIONS											
Water Course		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate	X	Good	X	Excellent	X	Erosion Control Required		Y / N
Snag Trees:	Adequate		Inadequate								
Coarse Woody Material:	Adequate		Inadequate								
Dens		Nests (Raptors, songbirds, etc.) _____									
Wildlife Observed	_____										
Comments	stand 87426 exposed location,										
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning		2025	Afforestation		Site Preparation		2024				
Pre-commercial Thinning			Reforestation		2024	Riparian Zone Mgmt					
Pln. Maint.	Y / N		Stems/Ha			Crop Tree Prune		2023			
Comments:	relatively open to east, denser to west, stand was thinned in past, could be thinned again at this										
	point, reasonably good development, a few codominants appear to be suppressed and dying off, thin										
	down to 500 to 750 stems per hectare, keep dense to east to keep windfirm, central section old										
	hedgerow with WS snags (large-tooth Aspen, WB and RM noted in hedge) experimental plantation,										
	*plant portion 0.26ha to north in stand 87426 (emergency salvage Fiona damage)										

Ground cover of haircap moss found in stand #871201 and in other locations through the property.



Picture showing Douglas Fir stem in stand #871201 (This was an experimental plantation of a “western Canada” species showing typical thick bark indicative of a species adapted to forest fire.)



STAND TALLY SHEET												
STAND #				871202&87458&87459&871206				PN#		2660020,...42,...17,		
CRUISER		L. Stevenson		&871207&87897				...15,...13,...24,..27 (WP				
PROPERTY #		225441 DEMO (Brookvale)		AREA		2.71 ha		Date		21 / 9 / 2023		
								D M Y				
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1					4							
2					5							
3					6							
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)		%		%		%		%		WP		
Even-aged		Uneven-aged								Biomass		
Slope		%		Aspect								
Stand Origin:		Old Field X		Partial Cut		Burn		Unploughed				
		Windfall *Fiona		Non Forest				Ploughed X				
		Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature		Mature		Over-mature				
Stand Stocking:		Understocked X		Fully Stocked		Overstocked		Patchy				
Density:		SW		HW								
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) beaked hazel noted in 87458, generally had full crown closure prior to Fiona windfall, needle cover on forest floor										
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 X		Inadequate								
Coarse Woody Material:		Adequate X		Inadequate								
Dens				Nests (Raptors, songbirds, etc.)								
Wildlife Observed		heard chickadees adjacent, raccoon track to southwest, slate-coloured junco noted										
Comments		87439 exposed on crest of hill on edge of power line corridor, couple codominant snags										
STAND PRESCRIPTION												
No Treatment				Regeneration Cut				Crop Tree Release				Block Cut
Shelterwood Cut				Selection Cut				Patch Cut				Strip Cut
Commercial Thinning				Afforestation				Site Preparation		2024		
Pre-commercial Thinning				Reforestation		2024		Riparian Zone Mgmt				
Pln. Maint.		X Y / N		Stems/Ha								
Comments:		complete windfall Fiona damage (emergency salvage), healthy prior to storm but tall and exposed, was quality WP stems, no shelter on exposed slopes, too tall with no shelter to buffer from Fiona, stand 87458 provided quality seed to adjacent private cleared land to reclaim abandoned field, (was a handfull of RP in 87439), tall stand, good quality timber salvage for local products										

STAND TALLY SHEET												
						87434&			2861702			
CRUISER		L. Stevenson		STAND # 87422&87481&871195			PLANTATION # 2895521,...22,...23 (RP)					
PROPERTY #		225441 DEMO (Brookvale)			AREA 3.91 ha		Date 21 / 9 / 2023					
						D M Y						
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	RP	34	30	18	4	RP	34	23	12			
2	RP	34	29	18.5	5	RP	34	20	11			
3	RP	34	22	12	6	RP	34	22	12			
STAND INFORMATION												
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)		RP100	%	%	%	%						
Even-aged		X	Uneven-aged									Biomass
Slope		%	Aspect		S							
Stand Origin:		Old Field	X	Partial Cut	X(thin	Burn	Unploughed					
		Windfall	X	Non Forest	Ploughed X							
		Clear Cut	Unknown									
Stand Maturity Class:		Regeneration		Immature		Mature		Over-mature X				
Stand Stocking:		Understocked X		Fully Stocked		Overstocked		Patchy				
Density:		SW	500	HW								
Advanced Regeneration:		Understocked X		Fully Stocked		Overstocked		Patchy				
Regeneration:		1. Spp.	RM	Height	3	2. Spp.	PC	Height	2			
		3. Spp.	RM	Height	6	4. Spp.	BF	Height	1.5			
GROUND OBSERVATIONS												
Ground Vegetation Species Present:		raspberry heavy, elderberry, haircap, wood fern, grasses, goldthread,										
		bunchberry on edge, beaked hazel, bracken fern, kalmia (edge of woodlot										
Ground Hemlock		Y / N	X	road)								
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	X	Inadequate								
Coarse Woody Material:		Adequate	Inadequate X									
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed		coyote track, bluejay										
Comments		standing RP snags, raspberry cover, 87481 by power line corridor (landing), 3m RM in old stump rows										
STAND PRESCRIPTION												
No Treatment		Regeneration Cut		Crop Tree Release				Block Cut				
Shelterwood Cut		Selection Cut		Patch Cut				Strip Cut				
Commercial Thinning		Afforestation		Site Preparation				2024..				
Pre-commercial Thinning		Reforestation		2024..		Riparian Zone Mgmt						
Pln. Maint.		X	Stems/Ha									
Comments:		understocked, standing dead, poor vigor and in decline, could possibly harvest any time but...,										
		was commercially thinned in past, introduced light to forest floor encouraging dormant raspberry,										
		overall very dry, low nutrient/moisture, underplant WP/RO, leave RP for shade to control raspberry?,										
		(no indication of snowshoe hare population to predict browsing on small seedlings),87481 RP decline!										
		some poor with 10-15% Live Crown ratio indicating poor vigor, underplant and develop new future										

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	872289		PLANTATION #						
PROPERTY #	225441 DEMO (Brookvale)		AREA	1.48 ha		Date	21 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	BF	41	18	11		4						
2	WS	41	20	12		5						
3	BF	41	18	12		6						
STAND INFORMATION												
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha
Species and (%)		%	RM20 %		%		WB					
Even-aged X	Uneven-aged									Biomass		
Slope	%	Aspect	L									
Stand Origin:	Old Field X	Partial Cut		Burn		Unploughed						
	Windfall	*Fiona	Non Forest			Ploughed						
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration		Immature XRM	Mature		Over-mature						
Stand Stocking:	Understocked X	Fully Stocked		Overstocked		Patchy						
Density:	SW		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:	haircap noted, feather moss, 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		Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor	Moderate		Good		Excellent	X	Erosion Control Required		Y / N		
Snag Trees:	Adequate	Inadequate										
Coarse Woody Material:	Adequate X	Inadequate										
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed												
Comments	a few BF feeder snags prior to Fiona (smaller diameters) heavy windfall (low cover)											
STAND PRESCRIPTION												
No Treatment				Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning				Afforestation		Site Preparation	2024					
Pre-commercial Thinning				Reforestation	2024	Riparian Zone Mgmt						
Pln. Maint.	X		Stems/Ha									
Comments:	not rich site, on crest of hill, may be issues due to history & shale deposit under, complete windfall in BF component, emergency Fiona salvage (leave RM), plant to try and develop future vigor and quality, plant to add diversity, poor nutrient or moisture site, moderately expose to element on crest of hill, adjacent to open main parking lot for trail system, plant hardy species for dry site (ie. WP, RO)											

STAND TALLY SHEET												
871204&												
CRUISER	L. Stevenson		STAND # 871197&871592			PLANTATION #						
PROPERTY #	225441 DEMO (Brookvale)		AREA	4.71 ha		Date	21 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WB	41	20	17	4	WB	41	21	18			
2	PO	41	21	18	5							
3	RM	41	18	16	6							
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	RM40 %	WB40 %	PO10 %			YB,WS(*SM)PC						
Even-aged	X		Uneven-aged									Biomass
Slope	% Aspect		E&L,N									
Stand Origin:	Old Field	X(part	Partial Cut	X	Burn			Unploughed	X			
	Windfall	X	Non Forest					Ploughed	X			
	Clear Cut	X	Unknown									
Stand Maturity Class:	Regeneration				Immature	X		Mature				
Stand Stocking:	Understocked				Fully Stocked	X		Overstocked				
Density:	SW	HW										
Advanced Regeneration:	Understocked		X		Fully Stocked			Overstocked				
Regeneration:	1. Spp. RM		Height	2		2. Spp. BF		Height	1			
	3. Spp.		Height			4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	beaked hazel, alternate-leaf dogwood, bunchberry, wood fern,											
	bracken fern, ground hemlock, mountain maple in riparian zone to North											
Ground Hemlock	X	Y / N										
Invasive Species Present			Y / N	If yes then what species:								
Site Indicators			Y / N	If yes then what species:								
ENVIRONMENTAL OBSERVATIONS												
Water Course	Bog	Pond		Stream		Seeps		Beaver Present		Y / N		
Drainage:	Poor	Moderate		Good		Excellent		X		Erosion Control Required	Y / N	
Snag Trees:	Adequate		Inadequate X									
Coarse Woody Material:	Adequate		X Inadequate									
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed												
Comments	high elevation flat plateau, very dry, future snag potential in large diameter PO's to south, DEMO trail											
STAND PRESCRIPTION												
No Treatment			Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut			Selection Cut				Patch Cut				Strip Cut	
Commercial Thinning			Afforestation				Site Preparation		2024			
Pre-commercial Thinning			Reforestation		2024		Riparian Zone Mgmt					
Pln. Maint.	Y / N		Stems/Ha		*enrich plant							
Comments:	high elevation, exposed to east (adjacent clearland), access strip for emergency Fiona salvage, a few scattered older residuals, pocket of more recent harvest to southwest (12cm/9m),natural develop											
	hardwood stand, few good quality RM stems, generally longer-lived species with good diversity,											
	leave natural to develop, adds diversity in this section of woodlot, shelters adjacent stands											
	more RM in north stand, coppice development RM overall, stoney,quality and growth rate fair,											
	coppice growth to north generally poor root attachment (fuelwood, no log quality, a few YB, young)											

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	872290		PLANTATION #					
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.77 ha		Date	21 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	PO	68	35	20	4	WB	65	29	19		
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 (%)	WS 5 %	WB10 %					PO, RM				
Even-aged	X		Uneven-aged				Biomass				
Slope	%	Aspect	SE								
Stand Origin:	Old Field	X		Partial Cut	Burn		Unploughed				
	Windfall	*Fiona		Non Forest			Ploughed X				
	Clear Cut			Unknown							
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature				
Stand Stocking:	Understocked		X		Fully Stocked		Overstocked		Patchy		
Density:	SW	HW		100							
Advanced Regeneration:	Understocked		X		Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp. PO		Height		1.5		2. Spp. PO		Height		
	3. Spp. BF		Height		1		4. Spp.		Height		
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) minimal veg in understory (expect some PO regeneration)										
Ground Hemlock	Y / N	X									
Invasive Species Present	Y / N	If yes then what species:									
Site Indicators	Y / N	If yes then what species:									
ENVIRONMENTAL OBSERVATIONS											
Water Course	Bog	Pond		Stream		Seeps		Beaver Present		Y / N	
Drainage:	Poor	Moderate		Good		Excellent		X		Erosion Control Required	
Snag Trees:	Adequate		X		Inadequate						
Coarse Woody Material:	Adequate		X		Inadequate						
Dens	Nests (Raptors, songbirds, etc.)										
Wildlife Observed	grouse, black-capped chickadee (quiet wildlife day due to strong winds and season!)										
Comments	DEMO trail on west edge, exposed to E/SE on high point of land, woody debris										
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation		2024				
Pre-commercial Thinning			Reforestation		2024		Riparian Zone Mgmt				
Pln. Maint.	2027		Stems/Ha								
Comments:	was WS on old field, never thinned, overmature and declining (quality timber stems), tall, occasional large diameter PO, complete Fiona damage, codominant WB scattered to edges, emergency Fiona salvage, WS hedgerow to east with a few snags, adjacent private land field regenerating in WS (2.m), surrounded by hardwood stands (seed source), expect aggressive PO regen										

STAND TALLY SHEET												
										PN#	2660011,...15,..18,	
CRUISER	L. Stevenson		STAND #	87423&87459&87895			(DF)					
PROPERTY #	225441 DEMO (Brookvale)		AREA	2.12 ha	Date	21 / 9 / 2023						
						D	M	Y				
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	DF	57	32	17		4						
2	DF	57	34	17		5						
3	DF	57	26	16		6						
STAND INFORMATION												
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha
Species and (%)	DF20	%	%	%	%	RM,BF,WB						
Even-aged	X	Uneven-aged									Biomass	
Slope	%	Aspect	L									
Stand Origin:	Old Field	X	Partial Cut	Burn	Unploughed							
	Windfall	*Fiona	Non Forest	Ploughed							X	
	Clear Cut	Unknown										
Stand Maturity Class:	Regeneration		Immature	X	Mature	X	Over-mature					
Stand Stocking:	Understocked		X	Fully Stocked	Overstocked	Patchy						
Density:	SW	150	HW									
Advanced Regeneration:	Understocked		Fully Stocked	Overstocked	Patchy							X
Regeneration:	1. Spp.	Height		2. Spp.	Height							
	3. Spp.	Height		4. Spp.	Height							
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	mountain ash noted, alternate-leaf dogwood, beaked hazel, elderberry, mountain maple, grass											
Ground Hemlock	Y / N	X										
Invasive Species Present	Y / N	If yes then what species:										
Site Indicators	Y / N	If yes then what species:										
ENVIRONMENTAL OBSERVATIONS												
Water Course	Bog	Pond	Stream	Seeps	Beaver Present							Y / N
Drainage:	Poor	Moderate	X	Good	X	Excellent	X	Erosion Control Required				Y / N
Snag Trees:	Adequate	Inadequate										X
Coarse Woody Material:	Adequate		X	Inadequate								
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed	snowshoe hare sign											
Comments	stand 87459 (high elevation, exposed, adjacent to power line), heavy Fiona damage											
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.	2027?	Stems/Ha										
Comments:	40cm/18m Douglas Fir noted prior to Fiona, most not thinned, heavy Fiona damage, emergency salvage, some hardwoods developing in understory, part select salvage, live crown ratios on dominants were 30-35%, dominants, experimental plantation western species for research, *in 87895 old field WS patch (very exposed to Fiona on high elevation)											

STAND TALLY SHEET													
CRUISER	L. Stevenson			STAND #	87192			PLANTATION #					
PROPERTY #	225441 DEMO (Brookvale)			AREA	1.19 ha		Date	21 /	9 /	2023			
								D	M	Y			
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT			TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	RM	68	37	20			4						
2	WB	68	33	19			5						
3							6						
STAND INFORMATION													
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha		
Species and (%)	WB50	%	%	%	%	%	YB, RM						
Even-aged	X		Uneven-aged				Biomass						
Slope	%	Aspect	L & N										
Stand Origin:	Old Field	X		Partial Cut	Burn		Unploughed						
	Windfall	*Fiona		Non Forest			Ploughed X						
	Clear Cut			Unknown									
Stand Maturity Class:	Regeneration		Immature		X		Mature		X		Over-mature		
Stand Stocking:	Understocked		X		Fully Stocked		Overstocked		Patchy				
Density:	SW	250	HW	500									
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		X		Patchy				
Regeneration:	1. Spp. BF		Height		4		2. Spp.		Height				
	3. Spp.		Height				4. Spp.		Height				
GROUND OBSERVATIONS													
Ground Vegetation Species Present:	feather moss, bracken fern												
Ground Hemlock	Y / N												
Invasive Species Present	Y / N		If yes then what species:										
Site Indicators	Y / N		If yes then what species:										
ENVIRONMENTAL OBSERVATIONS													
Water Course	Bog	Pond		Stream		Seeps		Beaver Present		Y / N			
Drainage:	Poor	Moderate		Good		X		Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate		X		Inadequate								
Coarse Woody Material:	Adequate		X		Inadequate								
Dens	Nests (Raptors, songbirds, etc.)												
Wildlife Observed													
Comments	along woodlot road, DEMO trail reroute, preserve snags, Fiona damage worst to high elevation S												
STAND PRESCRIPTION													
No Treatment	Regeneration Cut		Crop Tree Release		Block Cut								
Shelterwood Cut	Selection Cut		*		Patch Cut		Strip Cut						
Commercial Thinning	Afforestation		Site Preparation		2024								
Pre-commercial Thinning	Reforestation		2024		Riparian Zone Mgmt								
Pln. Maint.	2027	Stems/Ha											
Comments:	WS content overmature pre Fiona, dense developed understory of BF, ,												
	could enrich with WP or others (expect hare browse?), BF regeneration aggressive in the past,												
	selective emergency Fiona salvage, small area with some diversity due to hedgerow history,												
	salvage where necessary, leave snags for wildlife values, preserve windfirm hardwoods												

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87473		PLANTATION #	2130001(W.S)				
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.29 ha		Date	21 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	WS	10		2.5	4						
2	WS	10		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 (%)	WS	%	%	%	%		GB				
Even-aged	X		Uneven-aged							Biomass	
Slope	%	Aspect	L								
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed	X			
	Clear Cut	X	Unknown								
Stand Maturity Class:	Regeneration	X	Immature		Mature		Over-mature				
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy	X			
Density:	SW	1,750	HW	250							
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:	grass, raspberry,										
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											
Comments	DEMO trail, edges adjacent to maturing stand that had heavy Fiona windfall damage,										
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation	2024					
Pre-commercial Thinning			Reforestation	2024	Riparian Zone Mgmt						
Pln. Maint.	2028?		Stems/Ha								
Comments:	Boy Scout planting in 2013 (area was a declining overmature RP plantation that was clearcut, some openings, planted seedlings were damaged by frost but recovered, doing reasonably well but could spot plant to add some diversity and quality, small opening creating edge effect for some forms of wildlife enhancement										

STAND TALLY SHEET													
CRUISER	L. Stevenson		STAND #	871196		PLANTATION #	2861704 (LA)						
PROPERTY #	225441 DEMO (Brookvale)		AREA	3.14 ha		Date	21 /	9 /	2023				
							D	M	Y				
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	LA	37	20	17	4	LA	37	14	17				
2	LA	37	22	17	5	WB	37	14	16				
3	LA	37	21	17	6	WB	37	10	10				
STAND INFORMATION													
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha		
Species and (%)	LA30	%	WB30	%	%	%	GB, RM, BF, PC						
Even-aged	X		Uneven-aged									Biomass	
Slope	%	Aspect	W										
Stand Origin:	Old Field	X		Partial Cut			Burn			Unploughed			
	Windfall	*Fiona		Non Forest			Ploughed	X					
	Clear Cut	X		Unknown									
Stand Maturity Class:	Regeneration				Immature	X		Mature			Over-mature		
Stand Stocking:	Understocked		X		Fully Stocked			Overstocked			Patchy		
Density:	SW	500	HW	1,500									
Advanced Regeneration:	Understocked		X		Fully Stocked			Overstocked			Patchy		
Regeneration:	1. Spp.		Height				2. Spp.	Height					
	3. Spp.		Height				4. Spp.	Height					
GROUND OBSERVATIONS													
Ground Vegetation Species Present:	haircap moss, feather moss, tuft wood fern, patch buncherry (minimal veg cover overall)												
Ground Hemlock	Y / N												
Invasive Species Present	Y / N		If yes then what species:										
Site Indicators	Y / N		If yes then what species:										
ENVIRONMENTAL OBSERVATIONS													
Water Course	Bog		Pond		Stream		Seeps		Beaver Present		Y / N		
Drainage:	Poor	Moderate		Good		X		Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate		Inadequate		X								
Coarse Woody Material:	Adequate		Inadequate		X								
Dens	Nests (Raptors, songbirds, etc.)												
Wildlife Observed													
Comments	DEMO trail closed, exposed to northwest valley (adjacent power line), Fiona damaged												
STAND PRESCRIPTION													
No Treatment			Regeneration Cut				Crop Tree Release				Block Cut		
Shelterwood Cut			Selection Cut				Patch Cut	*mod	2025	Strip Cut		2025	
Commercial Thinning			Afforestation				Site Preparation		2025				
Pre-commercial Thinning			Reforestation		2025		Riparian Zone Mgmt						
Pln. Maint.	X	Stems/Ha											
Comments:	heavy slope to west, less slope near woodlot road, LA component significant Fiona windfall damage, surrounded by woodland, could salvage selected stems, modified strip/patch salvage (save hwd's), reasonable form but medium to smaller diameters to salvage (fuelwood/biomass), coppice hardwood from old plantation maintenance noted throughout (save them), was tall with lower live crown ratios, full crown density shaded forest floor, LA not generally in this locale												

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	871208 & 87461		PLANTATION #	2670005,...4 (NS)					
PROPERTY #	225441 DEMO (Brookvale)		AREA	1.35 ha		Date	21 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	NS	56	40	22		4	NS	56	43	20		
2	NS	56	34	21		5	NS	56	38	20		
3	NS	56	33	20		6						
STAND INFORMATION												
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha
Species and (%)	NS100 %		%			%						
Even-aged X	Uneven-aged									Biomass		
Slope	%	Aspect	S									
Stand Origin:	Old Field X	Partial Cut	Xthin	Burn		Unploughed						
	Windfall	*Fiona	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	500	HW									
Advanced Regeneration:	Understocked X	Fully Stocked		Overstocked		Patchy						
Regeneration:	1. Spp.		Height		2. Spp.		Height					
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	was full crown closure, low light to forest floor limits vegetation growth establishing											
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	black-capped chickadee											
Comments	DEMO trail (Permanent Sample Research Plot in south portion)											
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning			Afforestation		Site Preparation	2024						
Pre-commercial Thinning			Reforestation	2024	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N	Stems/Ha									
Comments:	Fiona emergency salvage (100% windfall stand 87461, patch in 871208), was clean understory, excellent form and vigor on developing trees, susceptible to Fiona due to height and elevation, row thinned in past, about 65% of stand 871208 is Norway Spruce, note a couple of borken tops windfall, some rows more suppressed											

STAND TALLY SHEET													
CRUISER	L. Stevenson		STAND #	871590		PLANTATION #	2861703 (RP)						
PROPERTY #	225441 DEMO (Brookvale)		AREA	2.25 ha		Date	21 /	9 /	2023				
							D	M	Y				
SAMPLE TREE INFORMATION													
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT				
1	RP	34	30	15	4								
2	RP	34	28	15	5								
3	RP	34	25	15	6								
STAND INFORMATION													
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha		
Species and (%)	RP100	%	%	%	%								
Even-aged X	Uneven-aged										Biomass		
Slope	%	Aspect											
Stand Origin:	Old Field X	Partial Cut X		thin	Burn	Unploughed							
	Windfall	Non Forest		Ploughed X									
	Clear Cut	Unknown											
Stand Maturity Class:	Regeneration		Immature		Mature X			Over-mature					
Stand Stocking:	Understocked		Fully Stocked X		Overstocked			Patchy					
Density:	SW	1,250	HW										
Advanced Regeneration:	Understocked X		Fully Stocked		Overstocked			Patchy					
Regeneration:	1. Spp.	BF	Height	2	2. Spp.	RM	Height	2					
	3. Spp.	GB	Height	3	4. Spp.		Height						
GROUND OBSERVATIONS													
Ground Vegetation Species Present:	(snow) bunchberry, wood fern, couple of openings with blackberry and raspberry (may be aggressive if more light to forest floor),												
Ground Hemlock	Y / N												
Invasive Species Present	Y / N		If yes then what species:										
Site Indicators	Y / N		If yes then what species:										
ENVIRONMENTAL OBSERVATIONS													
Water Course	Bog	Pond	Stream	Seeps	Beaver Present							Y / N	
Drainage:	Poor	Moderate	Good	X	Excellent	Erosion Control Required					Y / N		
Snag Trees:	Adequate	Inadequate X											
Coarse Woody Material:	Adequate	Inadequate X											
Dens	Nests (Raptors, songbirds, etc.)												
Wildlife Observed													
Comments	lower elevation on woodlot, old root rake rows with RM,WB,Pincherry,MountainAsh (PO), diversity												
STAND PRESCRIPTION													
No Treatment	Regeneration Cut		Crop Tree Release				Block Cut						
Shelterwood Cut	Selection Cut		Patch Cut				Strip Cut						
Commercial Thinning	2032		Afforestation				Site Preparation						
Pre-commercial Thinning	Reforestation		Riparian Zone Mgmt										
Pln. Maint.	Y / N	Stems/Ha											
Comments:	commercially thinned in 2013, foliage has decent colour, appears to be healthier than other RP on property, live crown ratio 20% low for optimal growth, still has some opportunity to develop, NO windfall from hurricane Fiona!, hardwood stands adjacent providing natural seed, no treat at this time, monitor development periodically for signs of decline, remove some overstory to release naturals in future harvesting, (requires upgrade to culvert on woodlot road prior to accessing)												



Woodlot road through Red Pine plantation in stand # 871590. This stand as on lower elevation with no exposure to the north. No damage found from hurricane Fiona.

STAND TALLY SHEET																		
CRUISER	L. Stevenson			STAND #	871596			PLANTATION #										
PROPERTY #	225441 DEMO (Brookvale)			AREA	0.53 ha			Date	21 /	9 /	2023							
									D	M	Y							
SAMPLE TREE INFORMATION																		
TREE #	SPP.	AGE	D.B.H.	HEIGHT				TREE #	SPP.	AGE	D.B.H.	HEIGHT						
1	PC			7				4										
2	WB			6				5										
3	BF			4				6										
STAND INFORMATION																		
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha						
Species and (%)	BF50 %	RM10 %	PC10 %	WB10 %														
Even-aged	Uneven-aged			Biomass														
Slope	%	Aspect																
Stand Origin:	Old Field	Partial Cut		Burn	Unploughed			X										
	Windfall	X		Non Forest	Ploughed													
	Clear Cut			Unknown														
Stand Maturity Class:	Regeneration			Immature			X			Mature	Over-mature							
Stand Stocking:	Understocked			Fully Stocked			Overstocked			X			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)																	
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			X			Inadequate											
Dens	Nests (Raptors, songbirds, etc.)																	
Wildlife Observed	*leave natural for wildlife cover adjacent to West River stream																	
Comments	dense low cover, buffer to stream, small diameter "feeder" 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:	stand with BF content declined, standing small snags 16-20' scattered, noted RS natural, scattered RM, understory of BF 4m tall, BF thickets through understory, stream to northwest, leave natural for wildlife benefit and to protect stream, no treatment at this time, note old boundary line markers on trees to northeast boundary, good wildlife cover in riparian zone																	

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	871589		PLANTATION #	2861701 (BF)					
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.96 ha		Date	21 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	BF	37	20	11	4							
2	BF	37	18	10	5							
3	BF	37	19	10	6							
STAND INFORMATION												
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha
Species and (%)	BF100	%	%	%	%							
Even-aged	X		Uneven-aged							Biomass		
Slope		%	Aspect	W								
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut	X	Unknown									
Stand Maturity Class:	Regeneration		Immature	X	Mature		Over-mature					
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy					
Density:	SW	2,500	HW									
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.	RM	Height	3	2. Spp.		Height					
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	(snow) full crown closure, moss cover under											
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		Inadequate	X								
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed												
Comments	low dense cover, edge effect adjacent to diverse stand types											
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut	2032				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning			Afforestation		Site Preparation	2033						
Pre-commercial Thinning			Reforestation	2033	Riparian Zone Mgmt							
Pln. Maint.	Y / N		Stems/Ha									
Comments:	also BF naturals 1-2m tall in the understory but heavily suppressed, *monitor to time future harvest, provide some low dense cover, old site prepare brush rake strip has immature WB, PC, and coppice RM (just a strip but adds diversity and future seed), BF plantation vigor moderate to low upper part of stand (some candling noted on tops), after harvest use planting and natural regeneration *noted a couple of RS (protect as future seed source), NO damage in hurricane Fiona!											

STAND TALLY SHEET												
871324&												
CRUISER	L. Stevenson		STAND # 86157&871794			PLANTATION # _						
PROPERTY #	225441 DEMO (Brookvale)			AREA	6.97 ha	Date	22 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	SM	125	60	17.5		4	RM	65	34	17		
2	WS	125	50	23		5	BF	70	40	16		
3	SM	65	28	16		6	BF	38	14	11		
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	SM40 %	RM30 %	WS10 %	BF10 %	YB(PO)							
Even-aged	Uneven-aged		X		Biomass							
Slope	%	Aspect										
Stand Origin:	Old Field	Partial Cut		X		Burn	Unploughed					X
	Windfall	*Fiona	Non Forest		Ploughed							
	Clear Cut	Unknown										
Stand Maturity Class:	Regeneration		Immature		X		Mature		X			
Stand Stocking:	Understocked		X		Fully Stocked		Overstocked		Patchy			
Density:	SW *	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:	alternate-leaf dogwood, mountain maple, beaked											
	hazel, heavy patches of ground hemlock, wood fern											
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	X		
Drainage:	Poor	X		Moderate	X		Good	X		Excellent	Erosion Control Required	
Snag Trees:	Adequate		X									
Coarse Woody Material:	Adequate		X									
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed	fish bearing stream (12' wide main stream at 0.5-1.5' deep), small stream 2' hanging culvert!!!											
Comments	springy ground, large old BF snag (50cm hollow), DEMO trail, 12' wide main stream (0.5-1.5' deep)											
STAND PRESCRIPTION												
No Treatment			Regeneration Cut				Crop Tree Release		Block Cut			
Shelterwood Cut			Selection Cut				Patch Cut *modified		2023		Strip Cut	
Commercial Thinning			Afforestation				Site Preparation					
Pre-commercial Thinning			Reforestation				Riparian Zone Mgmt					
Pln. Maint.	Y / N		Stems/Ha									
Comments:	heavy Fiona windfall damage, had old stand characteristics NE (old-bark SM), heavy hwd windfall, quite a volume of SM in this area (large, old), a few old BF in heavy decline as well as snags, springs, stream to north, heavy windfall in hardwood content, leave natural to protect features and imperfectly drained soils and springs?, stand varied but typically older, young SM at spring head west, extreme slope younger to southwest, Alberrry soil type erosion-prone could patch salvage sections where slopes and springs are protected, encourage natural regeneration											



The picture above shows a dead “feeder snag” in stand # 871324 buffer pre-Fiona. This dead White Spruce was infested with bark beetle.



Post-Fiona hurricane damage in the old hardwood stand on a north facing slope (# 871324).

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	871304		PLANTATION #					
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.8 ha		Date	22 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	WS	39	28	13	4						
2	WS	39	24	12	5						
3	WB	39	20	13	6						
STAND INFORMATION											
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)	WS70	%	WB10	%		%	YB,RO,AL,Willow,GB				
Even-aged	X	Uneven-aged								Biomass	
Slope	%	Aspect		E							
Stand Origin:	Old Field		X	Partial Cut		Burn		Unploughed			
	Windfall			Non Forest				Ploughed			
	Clear Cut			Unknown							
Stand Maturity Class:	Regeneration			Immature	X	Mature		Over-mature			
Stand Stocking:	Understocked			Fully Stocked	X	Overstocked		Patchy			
Density:	SW	1,250	HW	250							
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.			Height		2. Spp.		Height			
	3. Spp.			Height		4. Spp.		Height			
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) alder, willow, beaked hazel to west old transition, buncberry, wood fern, mountain ash, striped maple, pincherry										
Ground Hemlock	Y / N	X									
Invasive Species Present		Y / N		If yes then what species:							
Site Indicators	Y / N			If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate	X	Good		Excellent			X	Y / N
Snag Trees:	Adequate		Inadequate	X							
Coarse Woody Material:	Adequate		Inadequate	X							
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	bluejay, possible black-cap chickadee feeding marks on declining mountain ash										
Comments	wild apple, DEMO trail, edge of opening immature plantation (edge effect), old stone to west										
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:	east old field section, regenerated naturally, openings with Alder and wild apple noted, RO noted, PO stems to east, mixed heights, possibly natural WS with some interplanting, PO (trembling and large-tooth Aspen), drops to drainage pattern to east, west of woodlot road is transition between fields, mountain ash with some RM,& PC, diversity of species in hedgerow portion to west side of woodlot, note seep (springy) to northeast, reroute recreation trail to avoid poor drainage, no treat at this time										

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	871333		PLANTATION #	2660009 (DF)				
PROPERTY #	225441 DEMO (Brookvale)			AREA	0.9 ha	Date	22 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	DF	57	22	17	4	DF	57	29	17		
2	WS	57	21	17	5	WS	57	28	17		
3	WS	57	32	17	6						
STAND INFORMATION											
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)	WS65	%	DF35	%		%	RM				
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		Over-mature		
Stand Stocking:	Understocked			Fully Stocked	X		Overstocked	X		Patchy	
Density:	SW	2,000	HW								
Advanced Regeneration:	Understocked		X		Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp.		Height		2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) beaked hazel and mountain ash noted to north end, minimal vegetation, tuft grass										
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	Inadequate X									
Dens	Nests (Raptors, songbirds, etc.)										
Wildlife Observed											
Comments	shallow-root on some WS central portion of stand										
STAND PRESCRIPTION											
No Treatment	Regeneration Cut			Crop Tree Release			Block Cut 2028				
Shelterwood Cut	Selection Cut			Patch Cut			*mod.	Strip Cut			
Commercial Thinning	Afforestation			Site Preparation			2029				
Pre-commercial Thinning	Reforestation			2029			Riparian Zone Mgmt				
Pln. Maint.	X	Y / N	Stems/Ha								
Comments:	extends south into "mapped" location of Norway Spruce plantation adjacent for about 30%, DF showing decent diameter and height growth, developing thick "corky" bark consistent with fire origin species, overall moderate health and vigor (moderately immature), may not respond to a thinning, codominants starting to be suppressed, average 25cm, never thinned, typical old field, low live crown ratio indicating slower growth, future harvest block, patch cut chainsaw training!										

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	871335			PLANTATION #					
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.95 ha		Date	22 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	RM	58	27	13		4	RM	58	26	14		
2	RM	58	24	12		5						
3	BF	58	24	11		6						
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	RM70 %	RM10 %					WS,BF,YB(BE)					
Even-aged X	Uneven-aged									Biomass		
Slope	%	Aspect	W									
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed X					
	Windfall		Non Forest				Ploughed					
	Clear Cut X		Unknown									
Stand Maturity Class:	Regeneration		Immature X		Mature X		Over-mature					
Stand Stocking:	Understocked		Fully Stocked X		Overstocked		Patchy					
Density:	SW	250	HW	1,750								
Advanced Regeneration:	Understocked		Fully Stocked X		Overstocked		Patchy					
Regeneration:	1. Spp.	BF	Height	3		2. Spp.	RM	Height	4			
	3. Spp.		Height			4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	(snow)											
Ground Hemlock	Y / N											
Invasive Species Present	Y / N		If yes then what species:									
Site Indicators	Y / N		If yes then what species:									
ENVIRONMENTAL OBSERVATIONS												
Water Course	Bog	Pond	Stream	Seeps		Beaver Present		Y / N				
Drainage:	Poor	Moderate	Good X	Excellent		Erosion Control Required		Y / N				
Snag Trees:	Adequate X	Inadequate										
Coarse Woody Material:	Adequate X		Inadequate									
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed												
Comments	DEMO trail, low dense cover											
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:	coppice RM, small BF feeder snags, hedgerow type stand, no treat, let develop naturally to protect adjacent stands and for wildlife benefit, narrow stand area, recreational trail, coppice fuelwood quality, update trail sign information for accuracy,											

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	871203		PLANTATION #	2875041 (BS)					
PROPERTY #	225441 DEMO (Brookvale)			AREA	2.02 ha	Date	22 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	BS	37	18	12	4	RM	33	8	8			
2	RM	37	10	9	5	WB	33	11	10			
3	WB	37	12	11	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	%	RM20	%	WB10	%	YB,BF					
Even-aged	X	Uneven-aged			Biomass							
Slope	%	Aspect		X								
Stand Origin:	Old Field	Partial Cut		maint.	Burn	Unploughed X?						
	Windfall	*Fiona	Non Forest		Ploughed							
	Clear Cut	X	Unknown									
Stand Maturity Class:	Regeneration		Immature			X	Mature		Over-mature			
Stand Stocking:	Understocked			X	Fully Stocked		Overstocked		X	Patchy		
Density:	SW	HW		750								
Advanced Regeneration:	Understocked			X	Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.		Height		2. Spp.		Height					
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	feather moss											
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 and fox tracks											
Comments	near parking lot, interpretive trail											
STAND PRESCRIPTION												
No Treatment	Regeneration Cut			Crop Tree Release			Block Cut					
Shelterwood Cut	Selection Cut			Patch Cut			Strip Cut					
Commercial Thinning	Afforestation			Site Preparation			2024					
Pre-commercial Thinning	Reforestation			2024			Riparian Zone Mgmt					
Pln. Maint.	X	Y / N		Stems/Ha								
Comments:	possible shale deposit under some of the stand, dry soils,											
	vigor moderate/poor , may be too dry, experimental planting trial, complete Fiona windfall,											
	emergency salvage harvest, coppice RM in understory 5cm/6m regenerated after, was noted as											
	susceptible to windfall on high elevation if thinned (leave to develop, crown development adequate)											
	susceptible to windfall on high elevation if thinned (leave to develop, crown development adequate)											

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	872189		PLANTATION #						
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.9 ha		Date	22 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WB	57	22	17	4	RS	57	25	16			
2	PO	57	41	18	5	RS	57	28	17			
3	WB	57	18	17	6	RM	57	14	13			
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	WB60	%	PO20	%	RS 5	%	RM,BF,WS					
Even-aged	X		Uneven-aged								Biomass	
Slope	%	Aspect	W									
Stand Origin:	Old Field	Partial Cut		Burn			Unploughed					
	Windfall	*Fiona	Non Forest			Ploughed X						
	Clear Cut	Unknown										
Stand Maturity Class:	Regeneration		Immature X			Mature X		Over-mature				
Stand Stocking:	Understocked X			Fully Stocked			Overstocked		Patchy			
Density:	SW	100	HW	1,500								
Advanced Regeneration:	Understocked X			Fully Stocked			Overstocked		Patchy			
Regeneration:	1. Spp.		Height			2. Spp.		Height				
	3. Spp.		Height			4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	(snow) not much light reaching the forest floor due dense crowns											
Ground Hemlock	Y / N											
Invasive Species Present	Y / N		If yes then what species:									
Site Indicators	Y / N		If yes then what species:									
ENVIRONMENTAL OBSERVATIONS												
Water Course	Bog	Pond	Stream	Seeps	Beaver Present						Y / N	
Drainage:	Poor	Moderate	Good	X	Excellent	X	Erosion Control Required				Y / N	
Snag Trees:	Adequate	Inadequate X										
Coarse Woody Material:	Adequate X			Inadequate								
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed												
Comments	DEMO trail, some large diameter PO for future snags, PO snag noted, exposed to west valley winds											
STAND PRESCRIPTION												
No Treatment	Regeneration Cut			Crop Tree Release				Block Cut				
Shelterwood Cut	Selection Cut			Patch Cut				Strip Cut				
Commercial Thinning	Afforestation			Site Preparation				2022				
Pre-commercial Thinning	Reforestation			2023				Riparian Zone Mgmt				
Pln. Maint.	X	Y / N	Stems/Ha									
Comments:	pocket of good quality RS, live crown ratios 35%, good form vigor and health, Fiona damaged, select salvage emergency Fiona, RS content (somewhat rare), leave entire stand, edge of woodlot, on slope from valley to west/northwest, natural stand, DEMO trail, recent windfall Fiona remove selectively (dominant WS), encourage RS regeneration and manage for RS content, limit BF regeneration in small pocket of RS (is exposed to wind!)											

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	872190		PLANTATION #					
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.97 ha		Date	22 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT	
1	WB	36	18	14		4	BF		22	14	
2	YB	36	16	13		5					
3	WB	36	16	14		6					
STAND INFORMATION											
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)	WB50 %	YB10 %	BF10 %	RM10 %	PO,WS,						
Even-aged X	Uneven-aged		Biomass								
Slope	%	Aspect	N/NW								
Stand Origin:	Old Field	Partial Cut		Burn		Unploughed X					
	Windfall	Non Forest		Ploughed							
	Clear Cut X	Unknown									
Stand Maturity Class:	Regeneration		Immature X		Mature		Over-mature				
Stand Stocking:	Understocked		Fully Stocked		Overstocked X		Patchy				
Density:	SW	250	HW	3,000							
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)										
Ground Hemlock	Y / N										
Invasive Species Present	Y / N		If yes then what species:								
Site Indicators	Y / N		If yes then what species:								
ENVIRONMENTAL OBSERVATIONS											
Water Course	Bog	Pond	Stream	Seeps	Beaver Present					Y / N	
Drainage:	Poor	Moderate	Good X	Excellent X	Erosion Control Required					Y / N	
Snag Trees:	Adequate		Inadequate X								
Coarse Woody Material:	Adequate		Inadequate X								
Dens	Nests (Raptors, songbirds, etc.)										
Wildlife Observed											
Comments	occasional BF feeder snags, dominant PO for future 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:	typical clearcut with natural regeneration, mature WB at 35cm, dominant PO 35cm and 18m, larger were residuals from past clearcut, rest of stand 10cm and 10m tall hardwoods regenerated after clearcut, a couple of good quality YB stems on the west end and the east end that may need future crop tree release but leave for the period of this plan to prevent epicormic branching devaluing										

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	872188		PLANTATION #	2861704 (WS)				
PROPERTY #	225441 DEMO (Brookvale)			AREA	1.29 ha	Date	22 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	WS	37	23	12	4	WB	37	10	10		
2	WS	37	13	9	5						
3	WS	37	16	10	6						
STAND INFORMATION											
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha
Species and (%)	WS80 %	WB10 %	RM10 %								
Even-aged X	Uneven-aged									Biomass	
Slope	%	Aspect	W								
Stand Origin:	Old Field X	Partial Cut		Burn		Unploughed					
	Windfall	Non Forest				Ploughed X					
	Clear Cut	Unknown									
Stand Maturity Class:	Regeneration		Immature X	Mature		Over-mature					
Stand Stocking:	Understocked		Fully Stocked X	Overstocked		Patchy					
Density:	SW	1,750	HW	750							
Advanced Regeneration:	Understocked		Fully Stocked	Overstocked		Patchy	X				
Regeneration:	1. Spp. RM	Height	6	2. Spp.	Height						
	3. Spp.	Height		4. Spp.	Height						
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) feather moss, tufts haircap, bunchberry, Bracken Fern patch noted, noted soldier lichen, minimal ground vegetation 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	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 track										
Comments	knoll to northwest corner										
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:	shorter heights on knoll, plantation shows low vigor, not healthy at top of slope, best vigor at bottom, may be on shale deposit limiting soil moisture (probably not nutrient depletion due to farming?), just leave to develop, crowns not good vigor, monitor periodically for maturing, weak development, sparse crowns, (*soil sample to check if soils or possible drainage, farm history? shale deposit? No nutrients put back after farming? Heavy cover of WS cones on forest floor!										

White lichen found on the forest floor in stand # 871288 indicating the dry site conditions.



STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87475		PLANTATION #	2845711 (RP)				
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.45 ha		Date	22 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	RP	39	28	15	4	RP	39	30	14		
2	WS	39	34	17	5						
3	WS	39	14	11	6						
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	RP70	%	WS30	%		%					
Even-aged	Uneven-aged		*two							Biomass	
Slope	%	Aspect	S								
Stand Origin:	Old Field	X	Partial Cut	X	thin	Burn		Unploughed			
	Windfall		Non Forest					Ploughed	X		
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration			Immature	X	Mature		Over-mature			
Stand Stocking:	Understocked			Fully Stocked	X	Overstocked		Patchy			
Density:	SW	1,500	HW								
Advanced Regeneration:	Understocked		X	Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.		Height		2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) full raspberry heavy, elderberry, patch of narrow-leaf goldenrod										
Ground Hemlock	Y / N	X									
Invasive Species Present	Y / N			If yes then what species:							
Site Indicators	Y / N			If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor		Moderate		Good		Excellent	X	Erosion Control Required	Y / N	
Snag Trees:	Adequate		Inadequate	X							
Coarse Woody Material:	Adequate		Inadequate	X							
Dens			Nests (Raptors, songbirds, etc.)								
Wildlife Observed											
Comments	more pronounce slope to west, by highway										
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation	2024					
Pre-commercial Thinning			Reforestation	2024	Riparian Zone Mgmt						
Pln. Maint.			Stems/Ha								
Comments:	thinned in the past, try to underplant openings with quality species, adjacent to roadway, thinned and pruned, edge of WS naturals by highway, entrance to DEMO woodlot road and parking lot, underplanting difficult due to raspberry cover, plant away from road edges, improve entrance and aesthetic values)										

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87425		PLANTATION #	2660021(BF)				
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.33 ha		Date	22 /	9 /	2022		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	*clearing				4						
2	BF	57	38	17	5						
3					6						
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)		%	%	%		%					
Even-aged		Uneven-aged								Biomass	
Slope	%	Aspect									
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed	X			
	Clear Cut	X	Unknown								
Stand Maturity Class:	Regeneration		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) clearing with golden rod, pincherry, alternate-leaf dogwood at edge, not much veg due to snow, elderberry										
Ground Hemlock	Y / N	X									
Invasive Species Present	Y / N				If yes then what species:						
Site Indicators	Y / N				If yes then what species:						
ENVIRONMENTAL OBSERVATIONS											
Water Course	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor		Moderate		Good		Excellent	X	Erosion Control Required	Y / N	
Snag Trees:	Adequate	X	Inadequate								
Coarse Woody Material:	Adequate		Inadequate	X							
Dens			Nests (Raptors, songbirds, etc.)								
Wildlife Observed											
Comments	remnant BF snags on edge not cleared, adjacent residence and cottages										
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:	most clearcut and stumped/cleared, small pocket of dense BF left standing, appears at edge of stand is heavy raspberry under heavy decline BF pn., most is the clearing, adjacent to neighbouring landowner with campers and cottages, BF was probably originally a plantation, maintain this area for yarding for timber products or possible overflow for parking in future										

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	87479		PLANTATION #	2690010(CE)					
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.57 ha		Date	22 /	9 /	2023			
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	CE	54	23	13	4	CE	54	20	10			
2	WS	54	33	15	5	WS	54	34	16			
3	CE	54	22	11	6							
STAND INFORMATION												
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha	
Species and (%)	WS60	%	CE40	%		%						
Even-aged	X		Uneven-aged									Biomass
Slope		%	Aspect	S/SE								
Stand Origin:	Old Field	X		Partial Cut	*CT	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	2,000	HW									
Advanced Regeneration:	Understocked		X			Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp.	Height		2. Spp.			Height					
	3. Spp.	Height		4. Spp.			Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	full crown closure, no ground vegetation, complete crown closure and shading to forest floor (patch moss)											
Ground Hemlock	Y / N	X										
Invasive Species Present	Y / N	If yes then what species:										
Site Indicators	Y / N	If yes then what species:										
ENVIRONMENTAL OBSERVATIONS												
Water Course	Bog	Pond	Stream	Seeps	Beaver Present			Y / N				
Drainage:	Poor	Moderate	Good	X	Excellent	X	Erosion Control Required			Y / N		
Snag Trees:	Adequate	Inadequate										X
Coarse Woody Material:	Adequate	Inadequate										X
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed	snowshoe hare tracks, coyote tracks?,											
Comments	DEMO trail, occasional old WS snags, maintain neighbours lot privacy											
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:	selection/commercial thin salvage post Fiona, windfall WP in adjacent stand to North, do not open to west adjacent residence, page wire in old hedge to east, CE under and codominants, some bark beetle evidence, a couple WS wolf- tree (25-25% live crown), CE can handle shading, monitor development of released Cedar, maintain density to keep windfirm											

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87424&871205			PLANTATION #	2130002,2120001(W)			
PROPERTY #	225441 DEMO (Brookvale)		AREA	1.19 ha		Date	22 /	9 /	2022		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT	
1	WS	10		3		4					
2	WS	10		3		5					
3	WS	10		3.5		6					
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	WS100 %		%			%	(PC,RM)				
Even-aged	X		Uneven-aged							Biomass	
Slope		%	Aspect	L							
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed	X			
	Clear Cut	X	Unknown								
Stand Maturity Class:		Regeneration	X		Immature		Mature		Over-mature		
Stand Stocking:		Understocked			Fully Stocked	X	Overstocked		Patchy		
Density:	SW	2,500	HW								
Advanced Regeneration:		Understocked			Fully Stocked		Overstocked		Patchy		
Regeneration:		1. Spp.		Height			2. Spp.		Height		
		3. Spp.		Height			4. Spp.		Height		
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	some raspberry, dominated by grass and golden rod,										
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		Inadequate	X							
Dens			Nests (Raptors, songbirds, etc.)								
Wildlife Observed	possible coyote track crossing through area										
Comments	pushbacks with old WS snags on hedges, wildlife opportunity, DEMO trail through, edge effect										
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			Stems/Ha							
Comments:	old RP plantation in past was clearcut and planted with WS, plantaion maintenanced in 2019, small WP seeded in from adjacent stand, vigor appears good, terminal leders indicate good height growth, occasional RM and wild Apple left in stand, no treatment needed at this point, monitor development in case light cleaning needed										

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87460		PLANTATION #	2660043 (DF)				
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.36 ha		Date	22 /	9 /	2022		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1					4						
2					5						
3					6						
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)		%	%	%		%	DF				
Even-aged	X		Uneven-aged						Biomass		
Slope		%	Aspect	W/SW							
Stand Origin:	Old Field	X	Partial Cut	Xthin	Burn		Unploughed				
	Windfall	*Fiona	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	1,250	HW								
Advanced Regeneration:		Understocked	X	Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.		Height		2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	heavy raspberry and elderberry, pincherry (*heavy, dense vegetated raspberry cover), fireweed, tufts of wood fern										
Ground Hemlock		Y / N									
Invasive Species Present		Y / N		If yes then what species:							
Site Indicators		Y / N		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate		Good	X	Excellent		Erosion Control Required		Y / N
Snag Trees:	Adequate		Inadequate	X							
Coarse Woody Material:	Adequate		Inadequate	X							
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed											
Comments	maintain residence hedge for privacy										
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation	2024					
Pre-commercial Thinning			Reforestation	2024	Riparian Zone Mgmt						
Pln. Maint.	X		Stems/Ha								
Comments:	was a commercial thinning that removed 99% of DF component leaving WS stems, WS were mature and approaching decline, heavy hedge to east adjacent to residence and rental cottages, residence and cottages (maintain buffer), very open, due to heavy raspberry cover difficult to get plantings establish (possible disc and plant), full Fiona windfall emergency salvage to be planted										

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87428		PLANTATION #	2660040(RP)				
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.08 ha		Date	22 /	9 /	2022		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1					4						
2					5						
3					6						
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)		%	%	%	%						
Even-aged	X		Uneven-aged							Biomass	
Slope		%	Aspect	L							
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed				
	Windfall	*Fiona	Non Forest				Ploughed	X			
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature				
Stand Stocking:	Understocked	X	Fully Stocked		Overstocked		Patchy				
Density:	SW		HW								
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:	raspberry and elderberry heavy 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		Inadequate	X							
Dens			Nests (Raptors, songbirds, etc.)								
Wildlife Observed											
Comments	adjacent residence										
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation	2024					
Pre-commercial Thinning			Reforestation	2024	Riparian Zone Mgmt						
Pln. Maint.	X	Y / N	Stems/Ha								
Comments:	Fiona emergency windfall salvage, raspberry and elderberry under, part of larger salvage block, unclear if snowshoe hare browse would be an issue, difficult to establish planting due to advanced vegetation in understory, disc and plant possibly										

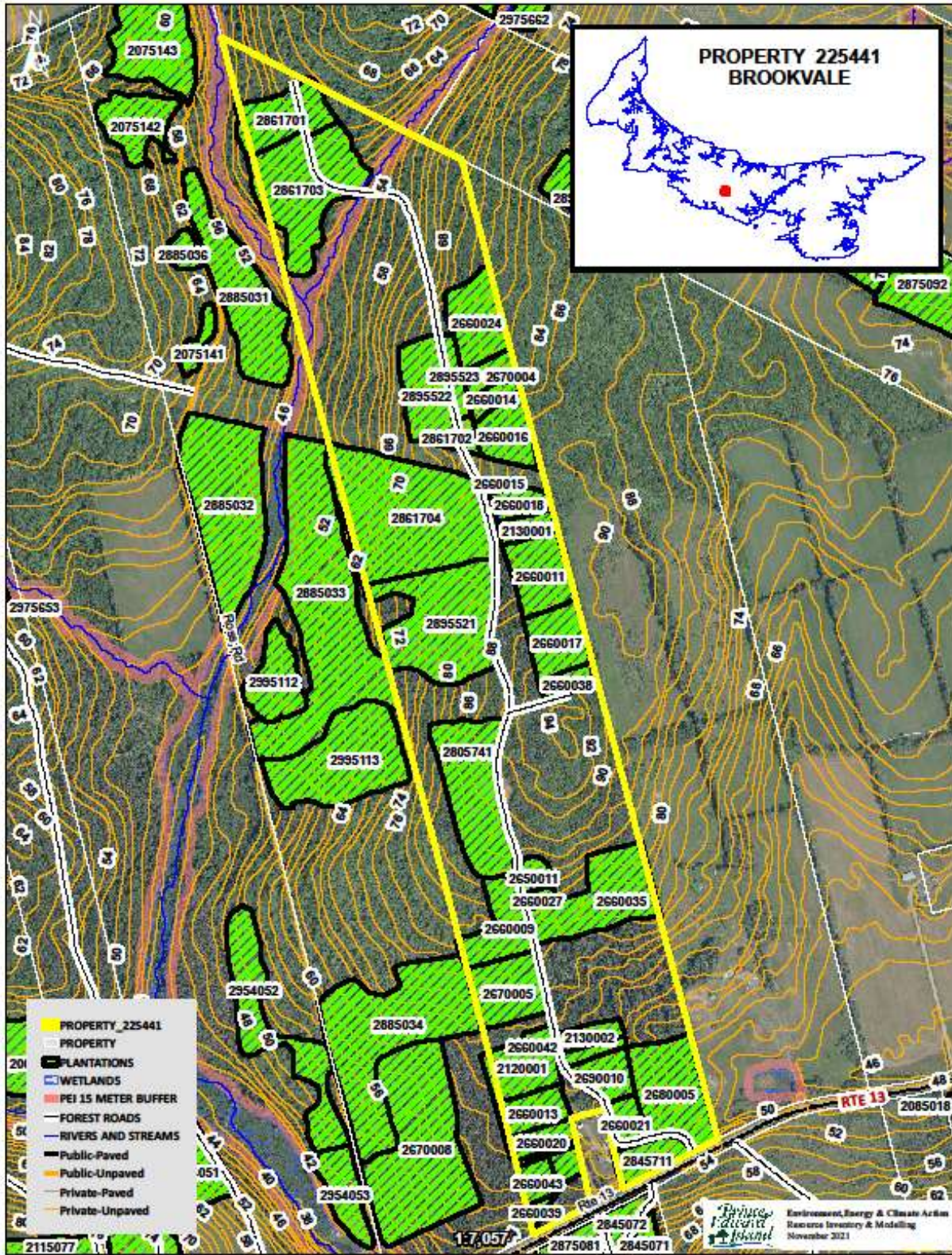
STAND TALLY SHEET											
CRUISER	L. Stevenson			STAND #	87478 & 87474			PLANTATION #	2660043&266041		
PROPERTY #	225441 DEMO (Brookvale)			AREA	0.53 ha			Date	22 /	9 /	2022
									D	M	Y
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	WS	57	33	16.5	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 (%)	WS10	%	%	%	%						
Even-aged			Uneven-aged							Biomass	
Slope	%	Aspect	L								
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed				
	Windfall	*Fiona	Non Forest				Ploughed	X			
	Clear Cut		Unknown								
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature				
Stand Stocking:	Understocked	X	Fully Stocked		Overstocked		Patchy				
Density:	SW		HW								
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:	heavy raspberry, elderberry, some goldenrod and pincherry										
	*excessive ground veg 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		Excellent		Erosion Control Required	Y / N	
Snag Trees:	Adequate		Inadequate								
Coarse Woody Material:	Adequate		Inadequate								
Dens			Nests (Raptors, songbirds, etc.)								
Wildlife Observed											
Comments											
STAND PRESCRIPTION											
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation	2024					
Pre-commercial Thinning			Reforestation	2024	Riparian Zone Mgmt						
Pln. Maint.	X		Stems/Ha								
Comments:	emergency Fiona salvage harvest site, requires planting, part of larger area,										
	excessive ground vegetation will limit success of planting, raspberry will create problems to										
	reforest, heave competition to planted seedlings, possible disc and plant?										

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87427		PLANTATION #	2660039 (SP)				
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.1 ha		Date	22 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	SP	54	29	16	4						
2	SP	54	27	15	5						
3	SP	54	32	16	6						
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	SP100	%	%	%	%						
Even-aged	X		Uneven-aged							Biomass	
Slope	%	Aspect	W/SW								
Stand Origin:	Old Field	X		Partial Cut		Burn		Unploughed			
	Windfall			Non Forest				Ploughed	X		
	Clear Cut			Unknown							
Stand Maturity Class:	Regeneration			Immature		Mature		Over-mature	X		
Stand Stocking:	Understocked			Fully Stocked	X		Overstocked		Patchy		
Density:	SW	1,750	HW								
Advanced Regeneration:	Understocked			Fully Stocked	X		Overstocked		Patchy		
Regeneration:	1. Spp.	BF	Height	2.5	2. Spp.	Height					
	3. Spp.		Height		4. Spp.	Height					
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	(snow) elderberry, raspberry, mountain ash noted										
Ground Hemlock	Y / N	X									
Invasive Species Present	X	Y / N	If yes then what species: Scotch Pine								
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	declining stems (snags), dense low cover										
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	2024								
Pre-commercial Thinning	Reforestation	2024	Riparian Zone Mgmt								
Pln. Maint.	X	Y / N	Stems/Ha								
Comments:	typical Scotch Pine, poor form and vigor, overmature, declining, invasive species!, no value in timber adjacent to Fiona emergency salvage, snag opportunities if not harvested (girdle), might be part of larger planting site (disc?), expect raspberry development										

STAND TALLY SHEET											
CRUISER	L. Stevenson		STAND #	87145		PLANTATION # (RP?)					
PROPERTY #	225441 DEMO (Brookvale)		AREA	0.33 ha		Date	22 /	9 /	2023		
							D	M	Y		
SAMPLE TREE INFORMATION											
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT		
1	RP	39	32	13	4	WS		20	9		
2	RP	39	24	13.5	5						
3	WS		26	12	6						
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	WS65	%	RP35	%		%					
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		Over-mature		
Stand Stocking:	Understocked			Fully Stocked	X		Overstocked		Patchy		
Density:	SW	2,000	HW								
Advanced Regeneration:	Understocked		X		Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp.		Height		2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:											
Ground Hemlock		Y / N	X								
Invasive Species Present		Y / N		If yes then what species:							
Site Indicators		Y / N		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate		Good		Excellent		Erosion Control Required	Y / N	
Snag Trees:	Adequate		Inadequate X								
Coarse Woody Material:	Adequate		Inadequate X								
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	coyote tracks,										
Comments	side of highway, across from residence, opening with alder to southwest (willow noted in stand)										
STAND PRESCRIPTION											
No Treatment				Regeneration Cut		Crop Tree Release		Block Cut			
Shelterwood Cut				Selection Cut	2029	Patch Cut		Strip Cut			
Commercial Thinning				Afforestation		Site Preparation	2030				
Pre-commercial Thinning				Reforestation	2030	Riparian Zone Mgmt					
Pln. Maint.		Y / N		Stems/Ha							
Comments:	RP adjacent to highway on steep slope, WS are on plateau at top of slope, RP never thinned or prune, not great vigor, WS at top of slope full crowns and vigor, 70% live crown ratio on WS, south slope could be selective thinned codominants and underplant with RO where light from south to develop, around 20m wide RP on downslope, RP were planted but unmapped (possible Boy Scout planting?)										

STAND TALLY SHEET												
CRUISER	L. Stevenson		STAND #	87462		PLANTATION #	2680005(DF)					
PROPERTY #	225441 DEMO (Brookvale)			AREA	1.59 ha		Date	22 /	9 /	2022		
							D	M	Y			
SAMPLE TREE INFORMATION												
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT			
1	WS	55	41	18	4	DF	55	38	18			
2	WS	55	38	18	5	WS	55	29	17			
3	WS	55	32	18	6	DF	55	20	13			
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	WS90	%	DF5	%	%	%	BF (couple LA)					
Even-aged	X		Uneven-aged								Biomass	
Slope	%	Aspect	E									
Stand Origin:	Old Field	X		Partial Cut	Burn		Unploughed					
	Windfall	*Fiona		Non Forest			Ploughed X					
	Clear Cut	Unknown										
Stand Maturity Class:	Regeneration			Immature			Mature X		Over-mature			
Stand Stocking:	Understocked			Fully Stocked X			Overstocked		Patchy			
Density:	SW	1,750	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) full crown closure (goldthread, wood aster, elderberry, feather moss,											
Ground Hemlock	Y / N	X										
Invasive Species Present	X	Y / N		If yes then what species: climbing nightshade, glossy buckthorn north								
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	snowshoe hare tracks											
Comments	drain pattern flows at northeast to adjacent (not flow-defining or sediment bed), no large snags											
STAND PRESCRIPTION												
No Treatment	Regeneration Cut			Crop Tree Release				Block Cut				
Shelterwood Cut	Selection Cut			Patch Cut				2023		Strip Cut		
Commercial Thinning	Afforestation			Site Preparation				2026				
Pre-commercial Thinning	Reforestation			2026		Riparian Zone Mgmt						
Pln. Maint.	2030?	Stems/Ha			*Remove glossy buckthorn 2022							
Comments:	pocket Fiona windfall northwest emergency Fiona salvage patch and plant, some scattered other											
	windfall, most DF in decline of died off, some bark beetle noted, a few broken tops, stand needs to											
	start to be opened up or will be clearcut future, live crown ratio 15-25%, develop new entrance for											
	trail?, eventually stand will decline all at once, patches or strips but exposed to east, old hedge WB,											
	typical old field stand presenting difficulty with management, some shallow rooting, new trail section											

Appendix G. Plantation Map with Contour Lines



Appendix H. Work Completed

activity #	treatment code	amount completed	treatment date	treatment description
1130530	11	2000	12/19/2013	Landing Construction
1130531	11	2500	12/19/2013	Landing Construction
	11	1800	9/24/2013	Landing Construction
	11	2200	9/25/2013	Landing Construction
	11	4000	11/1/2021	Landing Construction
	11	400	9/20/2021	Landing Construction
0	110	1.45	1/28/1992	Commercial Softwood< 5000 /Ha
2660024	110	1	7/13/2004	Commercial Softwood< 5000 /Ha
2670004	110	0.3	7/15/2004	Commercial Softwood< 5000 /Ha
2861703	110	4.98	11/4/2010	Commercial Softwood< 5000 /Ha
87374	110	1.4	9/16/2011	Commercial Softwood< 5000 /Ha
2120522	110	2	6/21/2012	Commercial Softwood< 5000 /Ha
	110	0.8	6/8/2022	Commercial Softwood< 5000 /Ha
	110	2.59	7/11/2022	Commercial Softwood< 5000 /Ha
2120521	110	1	6/21/2012	Commercial Softwood< 5000 /Ha
	110	2.34	6/6/2013	Commercial Softwood< 5000 /Ha
	110	1.6	6/17/2013	Commercial Softwood< 5000 /Ha
	110	2.69	7/16/2013	Commercial Softwood< 5000 /Ha
	110	0.54	8/26/2014	Commercial Softwood< 5000 /Ha
	110	0.38	9/5/2014	Commercial Softwood< 5000 /Ha
	112	4000	11/5/2021	Unknown
0	13	1.25	6/8/2009	Trail Maintenance
0	13	10	5/26/2010	Trail Maintenance
0	13	3000	5/20/2011	Trail Maintenance
	13	3	5/8/2013	Trail Maintenance
2130506	13	3	5/24/2013	Trail Maintenance
	13	3.28	5/30/2014	Trail Maintenance
	13	3.22	6/1/2022	Trail Maintenance
	13	1.1	8/25/2021	Trail Maintenance
	13	0.16	9/13/2021	Trail Maintenance
	13	3.22	5/31/2022	Trail Maintenance
	13	3.22	11/1/2022	Trail Maintenance
	13	1.9	11/17/2022	Trail Maintenance
	13	0.34	11/18/2022	Trail Maintenance

	13	3.3	5/29/2018	Trail Maintenance
1190559	13	3.3	6/13/2019	Trail Maintenance
	13	3.3	5/19/2020	Trail Maintenance
	13	0.2	6/17/2021	Trail Maintenance
	13	0.35	8/23/2021	Trail Maintenance
	13	2.12	8/24/2021	Trail Maintenance
	13	3.38	5/25/2015	Trail Maintenance
1160564	13	3.04	5/31/2016	Trail Maintenance
	13	3.04	5/31/2016	Trail Maintenance
1160550	13	1	10/6/2016	Trail Maintenance
	13	3.3	5/29/2017	Trail Maintenance
	13	3.3	9/29/2017	Trail Maintenance
0	13A	1	6/11/2009	Trail Signage Maintenance
0	14	1.24	1/28/1992	Boundary Line Establishment
0	15	0.17	12/3/1997	Road right of way cutting
1130558	15	0.1	6/13/2013	Road right of way cutting
0	152	0.45	1/28/1992	Site Reclamation class 2-with product
2970000	16	1.2	12/19/1996	Misc. Road Maintenance
0	16	2.1	10/28/2003	Misc. Road Maintenance
0	16	0.8	10/14/2003	Misc. Road Maintenance
	16	0.2	10/1/2021	Misc. Road Maintenance
3220519	16	0.05	11/16/2022	Misc. Road Maintenance
	16	1.6	5/31/2022	Misc. Road Maintenance
	16	1.2	11/15/2022	Misc. Road Maintenance
	16	0.1	11/5/2022	Misc. Road Maintenance
0	16A	0.32	9/21/2006	Manual roadside trimming (brush saw)
0	16A	1627	9/23/2010	Manual roadside trimming (brush saw)
0	16B	2.15	4/1/2005	Mechanical roadside trimming
0	16B	2.15	8/7/2007	Mechanical roadside trimming
0	16B	2.15	9/25/2008	Mechanical roadside trimming
	16B	1.95	7/7/2015	Mechanical roadside trimming
	16B	1.92	6/16/2015	Mechanical roadside trimming
	16B	1.95	6/17/2014	Mechanical roadside trimming
1190529	16B	1.9	6/12/2019	Mechanical roadside trimming
1190535	16B	0.1	8/29/2019	Mechanical roadside trimming
	16B	1.9	6/12/2020	Mechanical roadside trimming
	16B	0.1	6/12/2020	Mechanical roadside trimming
1190534	16C	100	6/13/2019	Shale fill and leveling
	16C	42	3/1/2021	Shale fill and leveling
1190533	16E	0.71	6/13/2019	Ditch maintenance
	16H	1	6/1/2016	Silt trap maintenance
	16H	1	6/1/2016	Silt trap maintenance
	16H	1	6/5/2018	Silt trap maintenance
	16I	0.06	12/13/2021	Grass seeding
0	2	27	10/3/1995	Fill

0	2	180	12/10/1996	Fill
0	2	200	2/8/1999	Fill
	2	63	9/30/2011	Fill
2120001	29	0.95	2/20/2012	Raking Crawler Tractor-Root Rake:per Ha
	29	0.32	5/20/2013	Raking Crawler Tractor-Root Rake:per Ha
	29	0.29	5/22/2013	Raking Crawler Tractor-Root Rake:per Ha
2845711	30B	1103	8/2/1993	Manual Site Preparation per Site (Hawk)
2895522	30B	1718	8/2/1993	Manual Site Preparation per Site (Hawk)
2895523	30B	645	8/2/1993	Manual Site Preparation per Site (Hawk)
2861703	30B	1291	8/2/1993	Manual Site Preparation per Site (Hawk)
2861701	30B	540	8/2/1993	Manual Site Preparation per Site (Hawk)
2120001	30B	240	9/10/2012	Manual Site Preparation per Site (Hawk)
2120001	30B	1748	9/10/2012	Manual Site Preparation per Site (Hawk)
	30B	1350	5/27/2013	Manual Site Preparation per Site (Hawk)
	320	1	10/10/2018	Provincial Forest Sign Installation
	321	5	7/29/2016	Demonstration Woodlot Sign Installation
	321	2	9/20/2017	Demonstration Woodlot Sign Installation
1170543	321	3	9/20/2017	Demonstration Woodlot Sign Installation
	321	1	7/2/2018	Demonstration Woodlot Sign Installation
1190519	321	10	7/2/2019	Demonstration Woodlot Sign Installation
	321	3	10/28/2020	Demonstration Woodlot Sign Installation
	321	30	7/9/2020	Demonstration Woodlot Sign Installation
	322	2	3/17/2021	Trail Sign Installation
3210501	3I	1	11/1/2021	Culvert 60cm Class 1&2 road
0	3W	2	12/3/1997	Water Diversion Structure
0	3W	1	2/12/1999	Water Diversion Structure
1130527	3W	1	6/12/2013	Water Diversion Structure
	400	2	10/13/2022	Training
	400	1	10/17/2022	Training
	400A	7	10/31/2022	Chainsaw Training
	400A	4	11/23/2022	Chainsaw Training
	400A	3	12/1/2022	Chainsaw Training
2845711	50CF	1	8/2/1993	FILL PLANT AREA - CENTRAL

2895522	50CF	1.01	8/2/1993	FILL PLANT AREA - CENTRAL
2895523	50CF	0.32	8/2/1993	FILL PLANT AREA - CENTRAL
2861703	50CF	1.89	8/2/1993	FILL PLANT AREA - CENTRAL
2861701	50CF	0.99	8/2/1993	FILL PLANT AREA - CENTRAL
2895522	53CF	1718	8/2/1993	FILL PLANT RED PINE - CENTRAL
2895523	53CF	645	8/2/1993	FILL PLANT RED PINE - CENTRAL
2861703	53CF	1291	8/2/1993	FILL PLANT RED PINE - CENTRAL
2861701	54CF	540	8/2/1993	FILL PLANT BALSAM FIR - CENTRAL
2120001	55C	1748	9/10/2012	WHITE SPRUCE - CENTRAL
	55C	800	5/28/2013	WHITE SPRUCE - CENTRAL
2845711	55CF	1103	8/2/1993	FILL PLANT WHITE SPRUCE - CENTRAL
2120001	55CF	240	9/10/2012	FILL PLANT WHITE SPRUCE - CENTRAL
	55CF	550	5/29/2013	FILL PLANT WHITE SPRUCE - CENTRAL
	55WF	210	5/31/2021	FILL PLANT WHITE SPRUCE - WESTERN
2113071	56CI	1778	10/19/2011	INTERPLANT WHITE PINE - CENTRAL
	56WF	40	5/31/2021	FILL PLANT WHITE PINE - WESTERN
	56WF	20	6/2/2022	FILL PLANT WHITE PINE - WESTERN
	56WF	111	6/3/2022	FILL PLANT WHITE PINE - WESTERN
	56WF	269	6/4/2022	FILL PLANT WHITE PINE - WESTERN
	63W	35	9/29/2021	SUGAR MAPLE - WESTERN
	63W	25	9/29/2021	SUGAR MAPLE - WESTERN
	64W	40	9/28/2021	RED OAK - WESTERN
	64W	115	9/29/2021	RED OAK - WESTERN
	64W	70	9/29/2021	RED OAK - WESTERN
	64W	40	9/28/2021	RED OAK - WESTERN
	65W	30	9/28/2021	WHITE ASH - WESTERN
	65W	25	9/29/2021	WHITE ASH - WESTERN
	65W	35	9/29/2021	WHITE ASH - WESTERN
	75W	36	9/29/2021	RED MAPLE - WEST
	75W	24	9/29/2021	RED MAPLE - WEST
	81	0.25	9/13/2022	Plantation Maintenance: Mowing
	81	0.1	11/21/2022	Plantation Maintenance: Mowing
2895521	82B	1.74	10/4/1990	Herbicide:Broadcast : 1st Treatment
2895523	82B	0.3	10/4/1990	Herbicide:Broadcast : 1st Treatment

2895521	82B	1.01	10/28/1991	Herbicide:Broadcast : 1st Treatment
0	88A	0.53	1/25/1991	Class I : Manual : 0 -5000/Ha <6 Metres
0	88A	2.6	1/25/1991	Class I : Manual : 0 -5000/Ha <6 Metres
0	88A	1	1/28/1992	Class I : Manual : 0 -5000/Ha <6 Metres
0	88A	1.9	1/28/1992	Class I : Manual : 0 -5000/Ha <6 Metres
2861704	88A	3.81	2/12/1999	Class I : Manual : 0 -5000/Ha <6 Metres
2895522	88A	1.01	2/12/1999	Class I : Manual : 0 -5000/Ha <6 Metres
2861703	88A	1.87	2/12/1999	Class I : Manual : 0 -5000/Ha <6 Metres
2861701	88A	0.99	2/12/1999	Class I : Manual : 0 -5000/Ha <6 Metres
2895521	88B	1.5	2/12/1999	Class 2 : Manual : 5001-10000/Ha <6 Metres
2120001	88B	0.96	7/3/2019	Class 2 : Manual : 5001-10000/Ha <6 Metres
2130002	88B	0.32	7/9/2019	Class 2 : Manual : 5001-10000/Ha <6 Metres
2130001	88B	0.29	7/11/2019	Class 2 : Manual : 5001-10000/Ha <6 Metres
0	91	0.3	1/28/1992	Strip Cut
0	91	1.57	10/31/1993	Strip Cut
0	91	0.97	10/31/1993	Strip Cut
0	91	2.54	10/31/1993	Strip Cut
0	91	2.39	10/31/1993	Strip Cut
2660022	92	0.96	10/4/2011	Clearcut Block
2120504	92	0.95	8/20/2012	Clearcut Block
2120523	92	0.28	8/22/2012	Clearcut Block
2120524	92	0.28	8/22/2012	Clearcut Block
2120527	92	0.31	8/20/2012	Clearcut Block
2120528	92	0.36	8/22/2012	Clearcut Block
0	95	0	2/12/1999	Special Projects
0	95	44	9/6/2006	Special Projects
0	95	17	6/6/2006	Special Projects
0	95	0	8/13/2007	Special Projects
0	95	0	6/7/2007	Special Projects
0	95	0	7/15/2008	Special Projects
	95	1	9/22/2014	Special Projects
	95	4	12/20/2021	Special Projects
	95	3	8/24/2022	Special Projects
	95	2	9/2/2022	Special Projects
0	95	3	9/8/2010	Special Projects
0	95	4	8/8/2011	Special Projects
2120534	95	1	5/22/2012	Special Projects
	95	1	5/27/2013	Special Projects

	95	1	9/26/2013	Special Projects
	95	6	7/28/2014	Special Projects
0	95	0	8/5/2008	Special Projects
0	95	0	5/15/2008	Special Projects
0	95	6	9/21/2004	Special Projects
0	95	24	8/9/2004	Special Projects
0	95	30	8/6/2008	Special Projects
0	95	0	9/24/2009	Special Projects
0	97	54	1/28/1992	Wood Extraction
	97	127	9/23/2011	Wood Extraction
	97	102	1/12/2012	Wood Extraction
2120519	97	52.93	8/15/2012	Wood Extraction
2120529	97	117.06	9/3/2012	Wood Extraction
	97	2.34	9/20/2013	Wood Extraction
	97	1.6	9/25/2013	Wood Extraction
	97	2.69	9/30/2013	Wood Extraction
	97	6.77	9/2/2014	Wood Extraction
	97	6.78	9/4/2014	Wood Extraction
	97	6.79	9/27/2021	Wood Extraction
	97	9.9	7/21/2022	Wood Extraction