

Date: Apr. 14, 2022

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



**Woodlot Management Plan**

**Property Number: 225441**

**Location: Brookvale**

**(Demonstration Woodlot)**

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## Goals and Management Objectives

***Forest Management on Prince Edward Island (P.E.I.) means different things to different people. Public Forest Lands are managed for a variety of reasons including timber and non- timber values, wildlife enhancement, soil and water preservation, demonstration techniques, training and recreation and aesthetics.***

The primary goal for management of P.E.I. Public Forest Land is to enhance the overall forest quality. To accomplish this, it may be necessary to remove some of the lower quality trees on the property and nurture those of higher quality. This will in turn improve genetic quality, species distribution and diversity through careful tree selection and natural regeneration. Allowing acceptable growing stock the chance to thrive and provide a seed source for the surrounding areas will ensure that quality natural regeneration has an opportunity to establish. Enhancement or enrichment planting may be necessary in areas where there is inadequate or unsuitable natural regeneration. Trees native to P.E.I. that are suitable to the site conditions will be chosen for any required reforestation on the property. Prescribing treatments in some stands while leaving others untreated will provide for a range of forest types. Converting stands from a single species to multiple species is desirable. This can be accomplished by retaining some of the natural regeneration in areas that have been previously planted and by planned tree selection in stand improvement treatments. Planted and natural stands on the property will be assessed for health and growth of desired species on an on-going basis. This information will be used to determine when and where future treatments will be carried out. Through time, a favourable healthy mixture of short-lived and long-lived species will provide for an abundance of quality forest products, biodiversity, wildlife, and recreational opportunities as well as a range of ecological goods and services (such as clean air and water).

## Property Overview

This particular parcel is managed as part of a group of properties that comprise the **Prince Edward Island Demonstration Woodlot system**. The “DEMO Woodlots” were 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 to incorporate multiple values.



**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 20<sup>th</sup> century. To better illustrate this 1935 photography can be seen in Appendix C.

In 1935, approximately 31 hectares (77 acres) was clear and being actively farmed. Much of the remaining woodland shows evidence of cutting throughout. It is possible that some scattered wooded



patches may not have been cleared for farmland due to rock formations close to the surface making them unsuitable for farming. A farmyard is visible at the southern end of the property at the point 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 as a result of land clearing for agriculture differs from natural forests that were never cleared. However, extensive forest management and tree planting has restored forest cover and has created cover and habitat for some forms of wildlife.

Below is a picture of an historical well discovered on the property. It was filled in with stone and this structure protects the start of a spring that appears from underground. It may have been the primary source for water on the farm that was located on this property.





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

The picture below shows a “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.



On 1968 photos, some land that appears actively farmed is still visible: 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 to restore forest cover and develop the forested areas found here today.

***This parcel was originally 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.*

Some pheromone traps may be noted in the woodlot where they are being used to collect insects. This research component is used to monitor the range of insects that have the potential to be harmful forest pests. Permanent Sample research plots (PSP's) can be found in various locations on the property indicating another feature of the on-going research component of this property. Following are some details on the **PEI research plot 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



## **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 this parcel until it merges with the “main stream”. It flows from north to south and can be seen following near the western boundary at the north end of the property. This observation can be viewed in Appendix A. This stream is fish-bearing and is part of the larger system that supports significant fish populations with their inherent value. (The main West River watershed system is an active sport fishing area.)

## **Property Access**

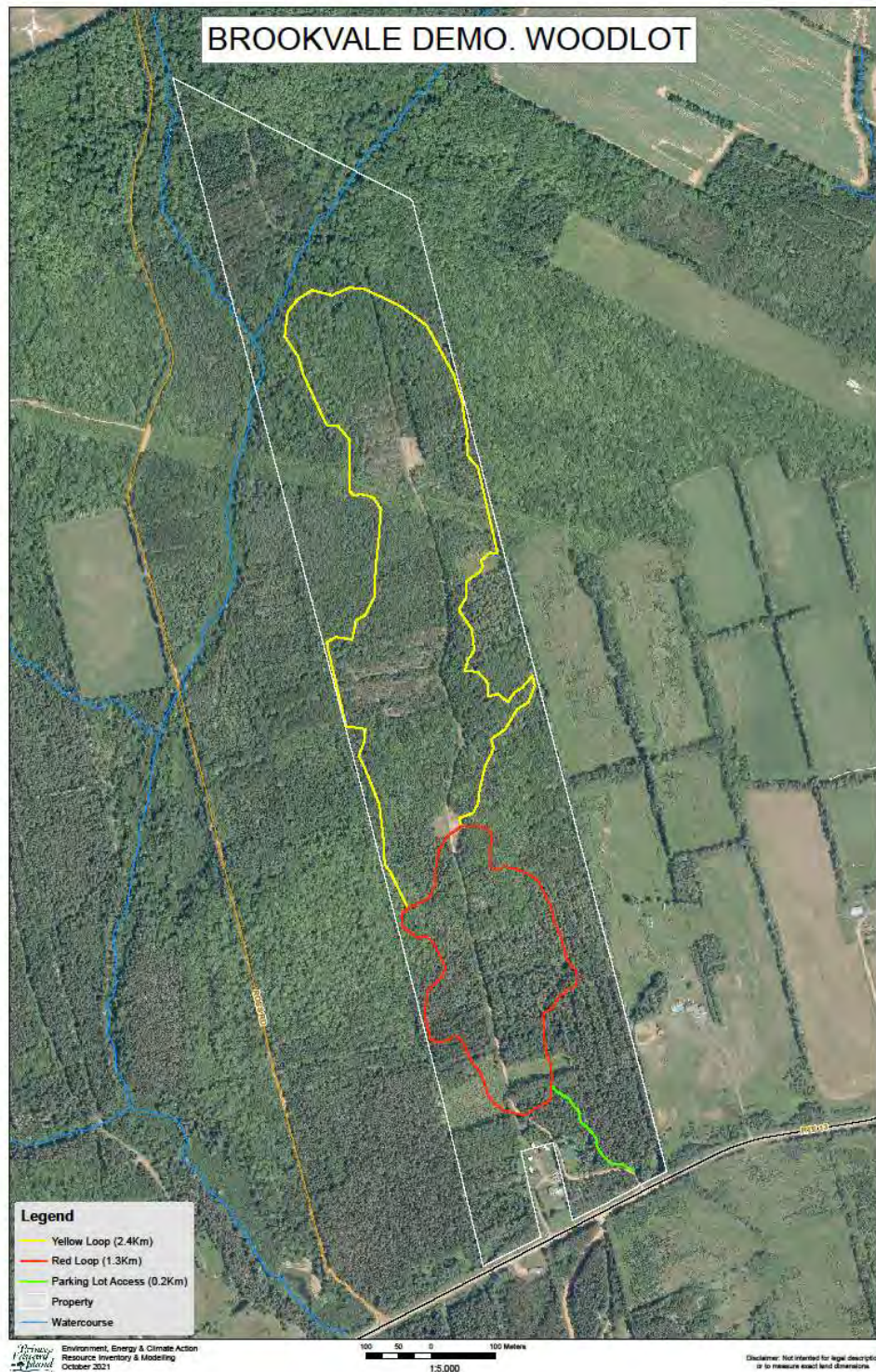
Access to this property is obtained utilizing a 1.95 km class 1 woods road. The woodlot road access point is found to the southeast corner of the property. Ongoing road maintenance will be required to keep the road in a useable condition. This will include keeping the right-of-way clear of any brush 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 to view forest treatments 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 is a map of the location of the interpretive trail network in relation to the property boundaries and woodlot road system.



### **Property Boundaries**

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

### **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 is a 900 gallon (gal) four-wheel drive forestry fire truck currently 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 to fight forest fires and these are on standby at the JF Gaudet Provincial Tree Nursery at Upton Rd. in Charlottetown. A stream that flows through the middle of this property 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 of the 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. Forest management can be utilized to help develop a future forest adapted to anticipated climate 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 says may be adapted to climate change in our region.



## Wildlife

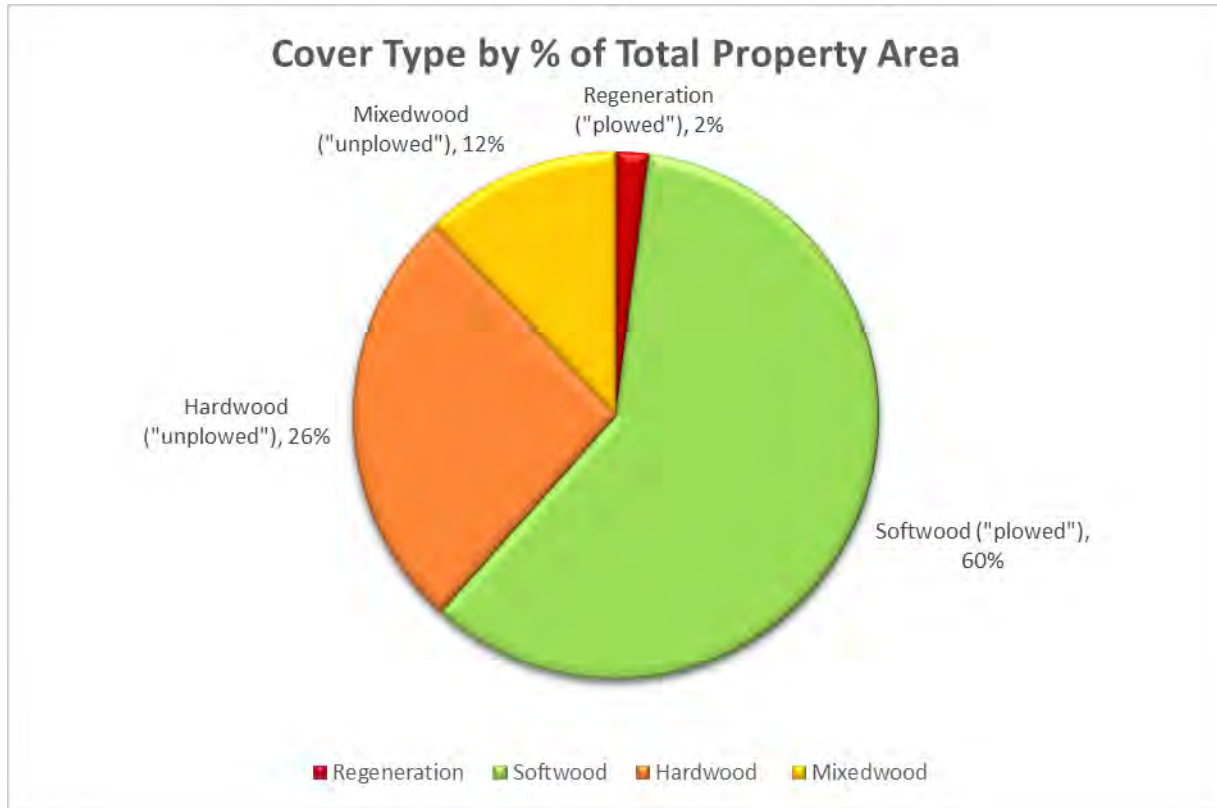
General “winter” observations of wildlife on this woodlot included:

- Mammals: Vole (mouse), snowshoe hare, red squirrel and fox tracks were noted in the 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.
- Reptiles and Amphibians: Due to the time of year, none of these species were noted.
- Fish: No fish were identified during the woodlot visit. However, it is expected that the streams would contain salmonoids.

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 very general cover type categories found on this property.



#### 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.

#### 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.)

#### Hardwood Cover Types:

- Tolerant: 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.

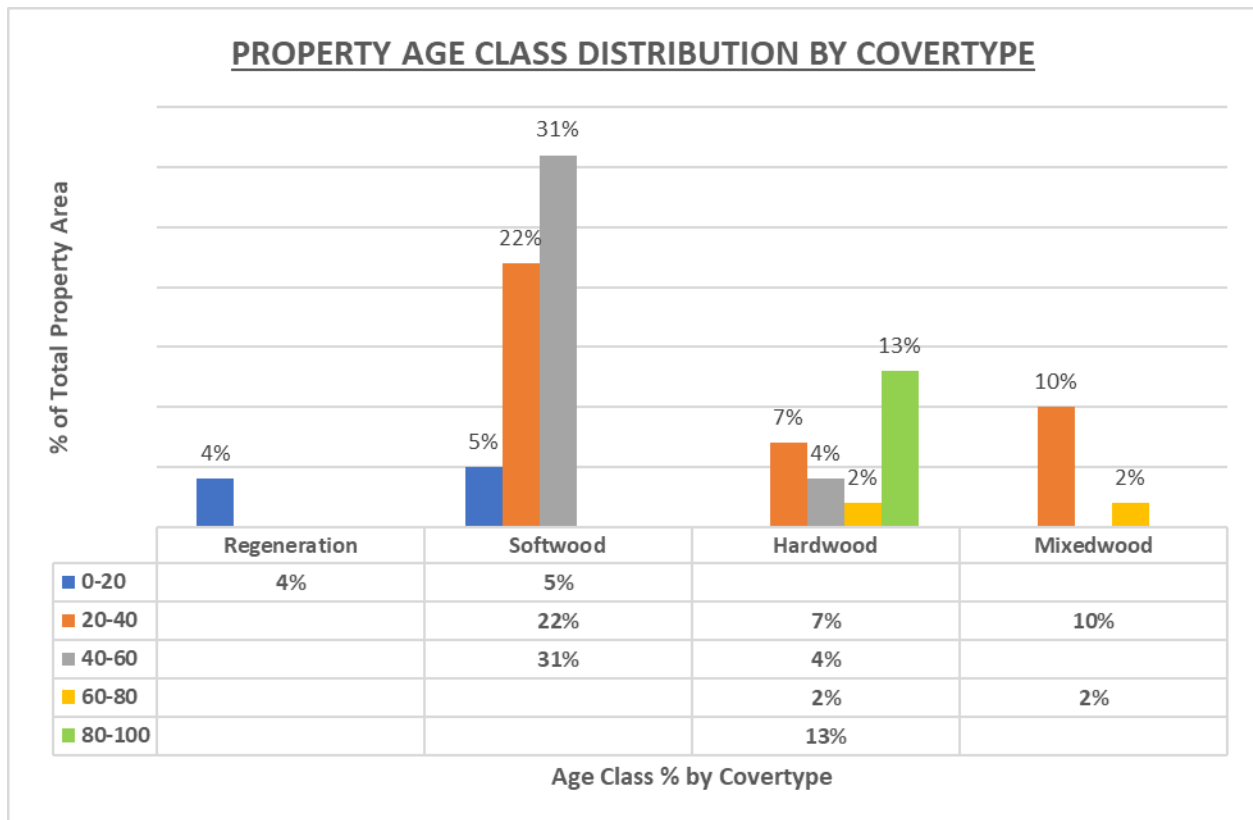


- Intolerant: Intolerant hardwood areas were generally never cleared for farmland (“unplowed”). However, they are characterized by a history of harvesting for fuelwood. The ecology of this forest type could allow for partial cuts that will regenerate naturally through seed or coppice growth. The small 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.

#### 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 covertime categories on this property.



Sustainable forest management can produce products while enhancing wildlife habitat. The Eco-System Based Forest Management Standards include 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 treatment 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 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](http://www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-_final.pdf) . Any additional information may be obtained by contacting a Provincial Forest

representative at the District Forestry Office in Wellington.

**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	2022...	All	Pg 12	Brush cutting, side trimming	Improve road access for forest management and road upgrades
Road	Culvert Replacement	2022	1	Pg 12	"Hanging" culvert, permit required	Improve road access, enable fish passage
Road	Fill and Level	2022...		Pg 11	Fill and grading of road surface as required	Maintain quality access
Wildlife	Species Survey	2022...		NA	Inventory species distribution on the woodlot	Create awareness to tailor management as required
Wildlife	Nesting boxes	2022...		Pg 33	Create nesting opportunities	Supplement natural distribution of snags or nesting sites to enhance for wildlife
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	2022	1	Pg 38	Glossy buckthorn identified	Protect ecological integrity of property and locale



	Recreation trail upgrade	2022...	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	2022		NA	System of interpretive signage for the public throughout the woodlot (education for woodlot owners)	Upgrade signage, improve public education component of Demonstration Woodlot
871202, 87458, 87459, 871206 PN# 2660020, 2660042, 2660017, 2660015, 2660013, 2660024, 2660027	Commercial Thinning (Selection Cut)	2022	2.71 Ha	Pg 26	White Pine plantations, too dense, no room for quality trees to develop further, maintain snags when available (for wildlife values), tall stand	Improve growth and health on quality trees by providing them adequate space to continue to develop, remove some timber, improve stand health and future timber production and diversity
871202, 87458, 87459, 871206 PN# 2660020, 2660042, 2660017, 2660015, 2660013, 2660024, 2660027	Site Preparation	2022	1.0 Ha	Pg 14	Scarify to expose mineral soil in some openings created during the Commercial Thinning/ Selection Cut	Develop seed beds to encourage seed establishing by natural means in the understory ("natural regeneration")
872289	Block Harvest	2022	1.48 Ha	Pg 30	Heavy decline of BF trees (mortality, rot), very dry site, poor growing conditions, possible shale deposit under?	Remove declining and dying stand, create opening to develop future stand with health and vigor
872289	Site Preparation & Enrichment Plant	2022	1.48 Ha	Pg 14, 17	Very dry site, not rich, shallow soils, plant trees adapted to conditions	Develop future quality stand more adapted to climate change and site conditions than declining BF stand found here today
872290	Block Harvest	2022	0.77 Ha	Pg 30	Old field WS, declining, quality timber, dead WS through stand (leave WS & PO snags when possible for wildlife values)	Salvage quality timber volume and value before trees die and rot (capture carbon in forest products)

87895 (part of)	Patch Harvest	2022	0.2 Ha	Pg 29	Small patch of old field WS in heavy decline in mapped plantation of DF	Salvage quality timber volume and value before trees die and rot (capture carbon in forest products)
87192	Patch Cut/Selection Cut	2022	0.4 Ha	Pg 29, 27	Select salvage modified with some patch harvests of WS	Salvage WS timber volume and value, forest products, create openings for new stand development
87473	Site Preparation & Enrichment Plant	2022	0.29 Ha	Pg 14, 17	Boy Scout plantation, planted in 2013 in old clearcut of diseased stand	Enrichment/fill plant in any openings to fully-stock plantation density
871208, 87461 PN# 2670005 2670004	Commercial Thinning	2022	1.35 Ha	Pg 26	Thinned in past, quality stems, growth slowing as trees starting to become crowded (too dense)	Remove some stems to allow continued optimal development (remove some timber)
871203 PN# 2875041	*Crop Tree Release	2022	0.2 Ha	Pg 23	*A few quality natural hardwood stems in small patch of BS dominated plantation	Encourage quality hardwood stems and maintain diversity and quality
871203 PN# 2875041	Monitor periodically	2022...	2.02 Ha	NA	Experimental plantation of Black Spruce on "high dry land", relatively young but exposed and not site conditions natural BS usually found on	Monitor to determine if any damage (ie. Windfall) that would require harvest to salvage
872189	Selection Harvest	2022	0.9 Ha	Pg 27	Selection harvest while preserving Red Spruce component (as a seed source)	Create openings to encourage RS regeneration to preserve diversity on the woodlot
87475 PN# 2845711	Site Preparation & Enrichment Plant	2022	0.45 Ha	Pg 14, 17	Underplant in stand openings, raspberry and elderberry competition	Develop future stand structure, add diversity
871201, 87426 PN# 2660035, 2660038	Commercial Thin	2023	1.93 Ha	Pg 26	Stand was thinned in past, tree crowns crowding again, experimental plantation	Remove some trees to allow the healthiest quality trees enough room to continue to develop
87434, 87422, 87481, 871195 PN# 2861702, 2895521, 2895522, 2895523	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

872290	Site Preparation & Enrichment Plant	2023	077 Ha	Pg 14, 17	Enrichment plant to reforest harvest site	Develop future forest cover and products (health and diversity)
87895 (part of)	Site Preparation & Enrichment Plant	2023	0.2 Ha	Pg 14, 17	Quality growing conditions, expect natural regeneration from adjacent stands and hedgerows	Enrichment plant to develop future quality and health, supplement natural regeneration expected
87192	Site Preparation & Enrichment Plant	2023	0.4 Ha	Pg 14, 17	Enrichment plant openings created by salvage harvest	Supplement natural regeneration to develop quality future stand
872189	Site Preparation & Enrichment Plant	2023	0.9 Ha	Pg 14, 17	Red Spruce is in relatively low abundance, enrichment plant a couple of other species as well	Scarify to encourage RS regeneration, spot-plant a couple of quality seedlings for future diversity and seed source
87374	Block/Patch Harvest (Modified)	2024...	2.75 Ha	Pg 30, 29	Declining WS stand (thinned in past and underplanted with WP), bark beetle, mortality starting in WS	Remove declining overstory (timber volume and value), release understory WP
87428 PN# 2660040	Site Preparation & Enrichment Plant	2024	0.08 Ha	Pg 14, 17	Four row plantation of RP, raspberry and elderberry under	Enrichment plant to develop future quality forest cover and diversity
87374	Site Preparation & Enrichment Plant	2025...	2.75 Ha	Pg 14, 17	WP established in understory, openings to be created by harvest	Supplement WP established and natural regeneration to fully stock future forest
87462 PN# 2680005	Patch Cut	2025	0.6 Ha	Pg 29	Typical even-aged old field, some shallow-root, some mortality, bark beetle in WS	Create openings for planting to transition to future while limiting windfall where possible
87423, 87459, 87895 PN# 2660011, 2660015, 2660018	Commercial Thin	2025	2.12 Ha	Pg 26	Thin to encourage growth on dominant, quality trees with best vigor, experimental stand	Create room trees with best vigor to achieve full potential for growth
87462	Patch Harvest (modified)	2025	0.6 Ha	Pg 29	Typical old field stand, even-aged approaching decline, quality timber, Patch Harvest to try and maintain stand structure and keep relatively windfirm	Create openings for planting and regeneration to develop future stand in advance of collapse, salvage timber volume and value, capture carbon in forest products
87462 PN# 2680005	Site Preparation & Enrichment Plant	2026	0.6 Ha	Pg 14, 17	Adapt stand to climate change, transition before all stand declines	Add diversity and quality to develop future healthy forest
87475 PN# 2845711	Manual Maintenance	2026	0.45 Ha	Pg 17	If required, monitor plantings, raspberry and elderberry difficult competition	To ensure plantings become established with difficult competition factors

87462	Site Preparation & Enrichment Plant	2026	0.6 Ha	Pg 14, 17	Quality timber production site, plant openings created	Develop future quality forest, transition from current stand susceptible to mortality (and loss of volume, timber value and carbon sequestration)
87434, 87422, 87481, 871195 PN# 2861702, 2895521, 2895522, 2895523	Manual Maintenance	2027	3.91 Ha	Pg 26	Monitor development of trees planted to determine if a maintenance required to encourage best development	Encourage best development of planted trees, limit competition that would negatively affect tree growth and survival
872290	Manual Maintenance	2027	0.77 Ha	Pg 17	Expect heavy PO regeneration in harvest site	Remove competition to planted trees while maintaining diversity
87895 (part of)	Manual Maintenance	2027	0.2 Ha	Pg 17	Thin out young plantation, preserve quality naturals	Remove competition to quality planted trees while maintaining diversity
87192	Manual Maintenance	2027	0.4 Ha	Pg 17	Possible future maintenance to thin natural regeneration and planted seedlings	Encourage best quality trees and species to develop (limit competition)
87473	Manual Maintenance	2028	0.29 Ha	Pg 17	Currently low density of competition species, monitor in future to determine if maintenance required	Remove competition from quality planted trees and naturals to maintain best development for future
871333 PN# 2660009	Block/Patch Harvest (modified)	2028	0.9 Ha	Pg 30, 29	Too late to thin, suppressed, low Live green Crown % on WS indicates slowing growth, monitor until declines (save RS noted for seed)	Harvest stand as is declines to salvage timber volume and value, create openings to reforest
87479 PN# 2690010	Commercial Thin	2028	0.57 Ha	Pg 26	Needs density reduced to continue development, CE is typically found on wet, swampy sites!	Create less competition for quality stems to continue to develop, improve stand health
87124, 871205 PN# 2130002 2120001	Manual Maintenance	2028	1.19 Ha	Pg 17	If required, monitor development, may not be needed	To maintain continued growth on quality plantation if competition limits development
87460 PN# 266043	Block Harvest	2028	0.36 Ha	Pg 30	Old commercial thinning, remove DF component	Salvage timber volume and value from declining stand

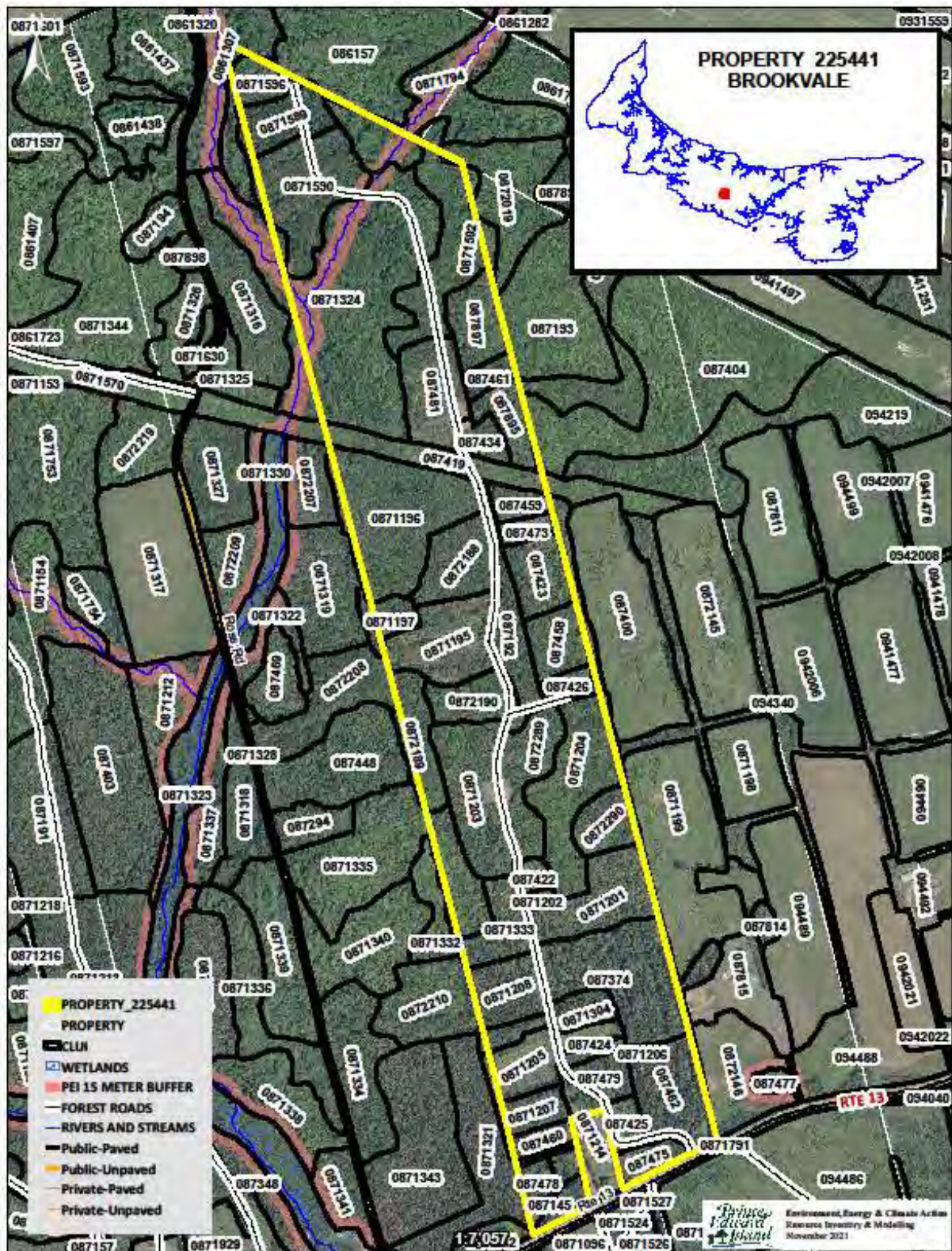


87478, 87474 PN# 2660043 2660041	Patch Harvest	2028	0.53 Ha	Pg 29	Monitor for decline, not great vigor, stand open, raspberry and ground vegetation excessive cover	Salvage timber volume and value from decline before rot and low value (capture carbon in timber products)
87427 PN# 2660039	Selection Harvest/ Invasive Species	2028	0.10 Ha	Pg 27, 38	Scotch Pine content (invasive species), harvest when working adjacent	Remove invasive species while maintaining snags and some stand structure for wildlife values
871333 PN# 2660009	Site Preparation & Enrichment Plant	2029	0.9 Ha	Pg 14, 17	Old field, adjacent to Norway Spruce, enrichment plant harvested area	Reforest to supplement any suitable natural regeneration
87460 PN# 266043	Site Preparation & Enrichment Plant	2029	0.36 Ha	Pg 14, 17	Heavy raspberry cover, disc site preparation? (difficult to establish plantation)	Develop future quality forest cover in absence of adequate regeneration
87478, 87474 PN# 2660043 2660041	Site Preparation & Enrichment Plant	2029	0.53 Ha	Pg 14, 17	Difficult to establish future stand due to excessive ground competition	Develop future quality forest in the absence of adequate natural regeneration
87145 PN# ?	Selection Harvest	2029	0.1 Ha	Pg 27	RP component on slope by highway, open up slightly	Remove low vigor trees and create openings to allow for planting
87145 PN# ?	Site Preparation & Enrichment Plant	2030	0.1 Ha	Pg 14, 17	South facing slope, direct light, good conditions for RO	Introduce diversity, convert stand to quality future stand adapted to climate change, create future seed sources
871204, 871197, 871592	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
871204, 871197, 871592	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)
871196	Block Harvest	2032	3.14 Ha	Pg 30	Monitor periodically, harvest may be required if storm damage or decline (exposed NW slope)	Possible harvest if stand health declines due to insect or weather events
871590 PN# 2861703	Commercial Thinning	2032	2.25 Ha	Pg 26	Red Pine plantation, was thinned in past, reasonable health and vigor	Maintain development while creating openings for regeneration of future forest
871589 PN# 2861701	Block Harvest	2032	0.96 Ha	Pg 30	Monitor stand health for decline to schedule harvest when appropriate	Harvest timber volume and value before decline, create opening to reforest with some species more adapted to climate change

87460 PN# 266043	Manual	2032	0.36 Ha	Pg 17	Heavy competition, monitor to see when required	Remove competition to encourage development of planted seedlings
871589 PN# 2861701	Site Preparation & Plant	2033	0.96 Ha	Pg 14, 17	Good conditions for tree grown, enrichment plant	Supplement expected natural regenerations with quality seedlings adapted to climate change
871196	Site Preparation & Plant	2033	3.14 Ha	Pg 14, 17	If harvest required, reforest	Develop future quality forest (along with residual RM)

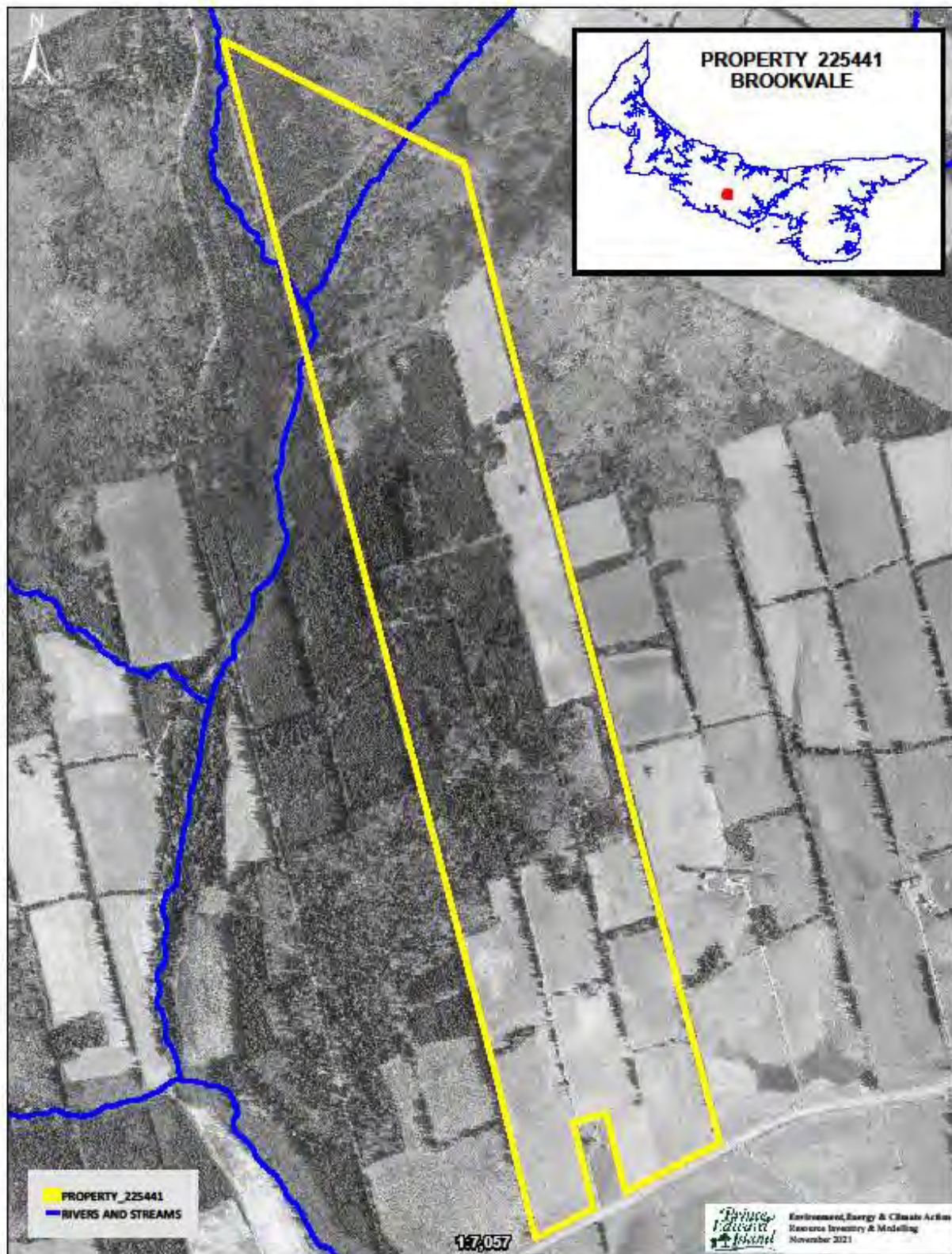
## **Appendices**

# Appendix A. Map of Property with Locator Map



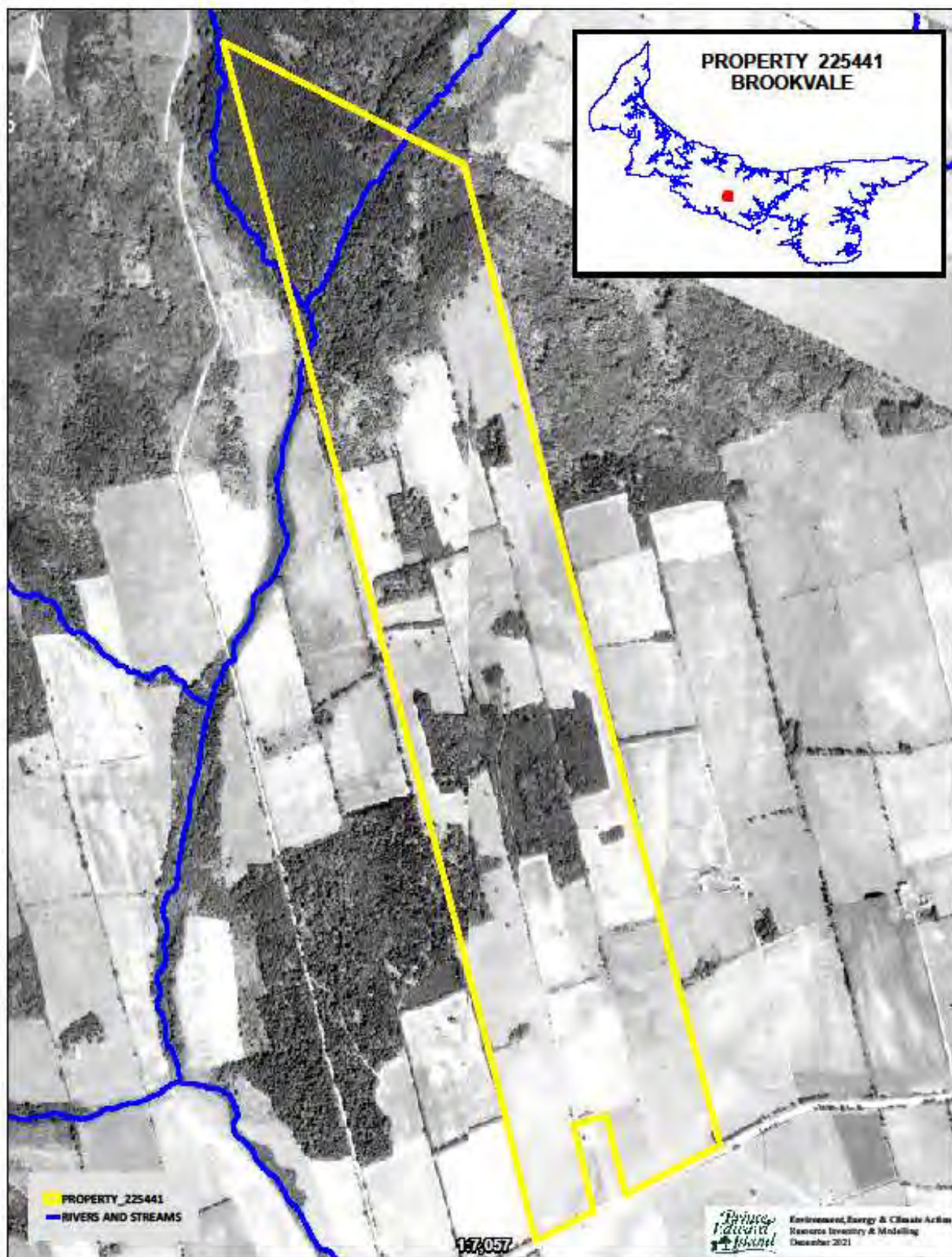


## Appendix B. 1968 Aerial Photography





## 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**

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

### **PERCENT**

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

### **CROWN CLOSURE**

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

### **ORIGIN AND HISTORY**

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

### **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 overlay 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**

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

### **FOREST GROUND CONDITION**

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

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

### Assessment

#### STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87374 PLANTATION #  
 PROPERTY # 225441 DEMO (Brookvale) AREA 2.75 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	56	31	17.5	4	WS	56	28	18
2	WS	56	33	18	5				
3	WS	56	29	17	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS100	%	%	%	%				
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	Xthin	Burn		Unploughed			
	Windfall	Non Forest				Ploughed X			
	Clear Cut	Unknown							
Stand Maturity Class:	Regeneration		Immature X	Mature X		Over-mature X			
Stand Stocking:	Understocked		Fully Stocked X	Overstocked		Patchy			
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
Ground Hemlock	Y / N X goldthread, feather moss, club moss, light grass, golden rod, haircap moss, (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:

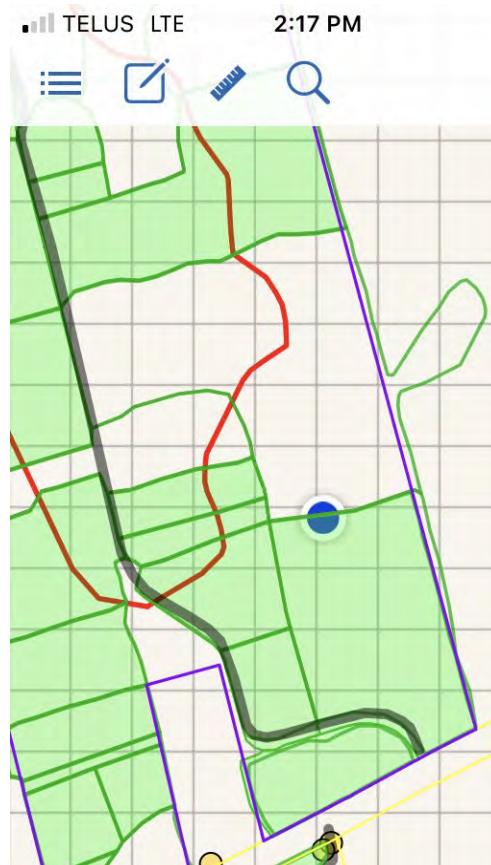
ENVIRONMENTAL OBSERVATIONS	
Water Course	Bog Pond Stream Seeps Beaver Present Y / N
Drainage:	Poor Moderate Good X Excellent Erosion Control Required Y / N
Snag Trees:	Adequate Inadequate
Coarse Woody Material:	Adequate Inadequate
Dens	Nests (Raptors, songbirds, etc.)
Wildlife Observed	garter snake (Oct.2021)
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 2024
Shelterwood Cut	Selection Cut	Patch Cut 2024	Strip Cut
Commercial Thinning	Afforestation	Site Preparation 2025	
Pre-commercial Thinning	Reforestation 2026	Riparian Zone Mgmt	
Pln. Maint. 2030?	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, selection salvage modified (as decline & windfall), west less dense, occasional snag, remnant DF, bark beetle noted in WS		

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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	DF	56	34	17	4	DF	56	25	17
2	DF	56	29	17	5				
3	WS	56	30	17	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	DF90	%	WS10	%		%			
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	Xthin		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, wood fern, dense haircap moss to southern portion
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
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	2023 Afforestation Site Preparation
Pre-commercial Thinning	Reforestation 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

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 7 / 1 / 2022  
 D M Y

## SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WP	56	30	19	4	WP	56	39	19
2	WP	56	40	18.5	5	WP	56	46	21
3	WP	56	56	19	6	WP	56	42	20.5

## STAND INFORMATION

Stand Basal Area SW        M<sup>2</sup>/Ha SWSL        M<sup>2</sup>/Ha HW        M<sup>2</sup>/Ha HWSL        M<sup>2</sup>/Ha  
 Species and (%) WP100 %        %        %        %        %        %  
 Even-aged X        Uneven-aged        Biomass         
 Slope        % Aspect         
 Stand Origin: Old Field X        Partial Cut Xthin        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 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: (snow) beaked hazel noted in 87458, generally full crown closure and  
 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        Inadequate X         
 Coarse Woody Material: Adequate        Inadequate X         
 Dens        Nests (Raptors, songbirds, etc.)         
 Wildlife Observed        hear chickadees adjacent, raccoon track to southwest, slate-coloured junco noted  
 Comments DEMO trail, 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 2022 Patch Cut        Strip Cut         
 Commercial Thinning 2022 Afforestation        Site Preparation 2022  
 Pre-commercial Thinning        Reforestation        Riparian Zone Mgmt         
 Pln. Maint.        Y / N        Stems/Ha         
 Comments: a few codominant snags, dominants relatively good vigor and form (pruned 16'), some commercial  
thinning completed, selection harvest/ commercial thinning modified (light removal) to maintain  
crown development on dominants, stand 87458 is providing seed to adjacent private cleared land but  
low live crown ratio so needs to be opened up to maintain growth (handfull of RP in 87439), tall stand  
open up to maintain growth on quality and to create openings to encourage natural regeneration

# 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 7 / 1 / 2022  
 D M Y

## SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RP	33	30	18	4	RP	33	23	12
2	RP	33	29	18.5	5	RP	33	20	11
3	RP	33	22	12	6	RP	33	22	12

## STAND INFORMATION

Stand Basal Area SW        M<sup>2</sup>/Ha SWSL        M<sup>2</sup>/Ha HW        M<sup>2</sup>/Ha HWSL        M<sup>2</sup>/Ha  
 Species and (%) RP100 %        %        %        %        %        %  
 Even-aged X        Uneven-aged        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        Mature        Over-mature X         
 Stand Stocking: Understocked X        Fully Stocked        Overstocked        Patchy         
 Density: SW 750 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: (snow) 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 2023  
 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: 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, clearcut and plant or 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 7 / 1 / 2022  
 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 <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	BF60	%	RM20	%	WS20	%	WB		
Even-aged	X		Uneven-aged					Biomass	
Slope	%		Aspect	L					
Stand Origin:	Old Field	?	Partial Cut		Burn		Unploughed		
	Windfall		Non Forest				Ploughed		
	Clear Cut	?	Unknown						
Stand Maturity Class:	Regeneration		Immature	XRM	Mature	X	Over-mature	XBF	
Stand Stocking:	Understocked		Fully Stocked		Overstocked	X	Patchy		
Density:	SW	2,500	HW	500					
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp.		Height		2. Spp.		Height		
	3. Spp.		Height		4. Spp.		Height		

GROUND OBSERVATIONS	
Ground Vegetation Species Present:	(snow)
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	DEMO trail and parking lot, a few BF feeder snags (smaller diameters)

STAND PRESCRIPTION	
No Treatment	Regeneration Cut Crop Tree Release Block Cut 2022
Shelterwood Cut	Selection Cut Patch Cut Strip Cut
Commercial Thinning	Afforestation Site Preparation 2022
Pre-commercial Thinning	Reforestation 2022 Riparian Zone Mgmt
Pln. Maint.	2026? Stems/Ha
Comments:	not rich site, on crest of hill, may be issues due to history & shale deposit under, heavy decline in the BF component, should patch cut (leave RM) and 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 7 / 1 / 2022  
 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<sup>2</sup>/Ha SWSL        M<sup>2</sup>/Ha HW        M<sup>2</sup>/Ha HWSL        M<sup>2</sup>/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        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        HW         
 Advanced Regeneration: Understocked X        Fully Stocked        Overstocked        Patchy         
 Regeneration: 1. Spp. RM        Height        2. Spp. BF        Height        1  
 3. Spp.        Height        4. Spp.        Height       

## GROUND OBSERVATIONS

Ground Vegetation Species Present: (snow) 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        Inadequate X         
 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        2032 Strip Cut        2032  
 Commercial Thinning        Afforestation        Site Preparation        2032  
 Pre-commercial Thinning        Reforestation        2032 Riparian Zone Mgmt         
 Pln. Maint.        Y / N        Stems/Ha         
 Comments: high elevation, exposed to east (adjacent clearland), stand provides protection for woodlot, 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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	67	35	20	4	WB	67	29	19
2	WS	67	29	20	5				
3	WS	67	25	19	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS70	%	WB20	%		%	PO, RM		
Even-aged X	Uneven-aged							Biomass	
Slope	%	Aspect	SE						
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		Overstocked		Patchy X		
Density:	SW	1,250	HW	250					
Advanced Regeneration:	Understocked X		Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp. PO	Height	1.5	2. Spp. PO	Height	2			
	3. Spp. BF	Height	1	4. Spp.	Height				

GROUND OBSERVATIONS	
Ground Vegetation Species Present:	(snow) minimal veg in understory
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 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, leave lg. PO and snags, woody debris

STAND PRESCRIPTION			
No Treatment	Regeneration Cut	Crop Tree Release	Block Cut 2022
Shelterwood Cut	Selection Cut	Patch Cut	Strip Cut
Commercial Thinning	Afforestation	Site Preparation	2023
Pre-commercial Thinning	Reforestation	Riparian Zone Mgmt	
Pln. Maint.	2027? Stems/Ha		
Comments:	regenerated naturally on old field, never thinned, overmature and declining (quality timber stems), tall, occasional large diameter PO, a number of dead WS through stand, codominant WB scattered to edges, codominant WS all windfall, block salvage 70% area ASAP, WS hedgerow to east with few snags, adjacent private land field regenerating in WS (2.m), surrounded by hardwood stands (seed source)		

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87423&87459&87895 PN# 2660011,...15,..18,  
 PROPERTY # 225441 DEMO (Brookvale) AREA 2.12 ha Date 7 / 1 / 2022 (DF)  
 D M Y

SAMPLE TREE INFORMATION										
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	DF	56	32	17		4				
2	DF	56	34	17		5				
3	DF	56	26	16		6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	DF80	%	%	%	%	RM,BF,WB			
Even-aged X	Uneven-aged							Biomass	
Slope	%	Aspect	L						
Stand Origin:	Old Field X	Partial Cut		Burn		Unploughed			
	Windfall	Non Forest				Ploughed X			
	Clear Cut	Unknown							
Stand Maturity Class:	Regeneration		Immature X		Mature		Over-mature		
Stand Stocking:	Understocked		Fully Stocked		Overstocked X		Patchy		
Density:	SW	2,250	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:	(snow) 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 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 sign
Comments	stand 87459 (high elevation, exposed, adjacent to power line)

STAND PRESCRIPTION	
No Treatment	Regeneration Cut Crop Tree Release Block Cut
Shelterwood Cut	Selection Cut Patch Cut *2022 Strip Cut
Commercial Thinning	2025 Afforestation Site Preparation 2023
Pre-commercial Thinning	Reforestation 2023 Riparian Zone Mgmt
Pln. Maint.	2027? Stems/Ha
Comments:	stand was never thinned, one 40cm/18m Douglas Fir noted, may have been left unthinned for research, hardwoods developing in understory, could be selectively thinned, live crown ratios on dominants 30-35%, dominants getting above, commercially thin (selectively) removing codominants to maintain development of dominants, protect best vigor , *in 87895 old field WS patch



# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87192 PLANTATION #  
 PROPERTY # 225441 DEMO (Brookvale) AREA 1.19 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	67	37	20	4	WB	65	31	19
2	WS	67	33	19	5				
3	WB	67	23	17	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WB50	%	WS30	%		%	YB, RM		
Even-aged X	Uneven-aged							Biomass	
Slope	%	Aspect	L & N						
Stand Origin:	Old Field X	Partial Cut		Burn		Unploughed			
	Windfall X	Non Forest				Ploughed X			
	Clear Cut	Unknown							
Stand Maturity Class:	Regeneration		Immature X		Mature		Over-mature XWS		
Stand Stocking:	Understocked		Fully Stocked X		Overstocked		Patchy		
Density:	SW	500	HW						
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:	(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 Excellent Erosion Control Required Y / N
Snag Trees:	Adequate Inadequate
Coarse Woody Material:	Adequate Inadequate
Dens	Nests (Raptors, songbirds, etc.)
Wildlife Observed	
Comments	along woodlot road, DEMO trail, preserve snags,

STAND PRESCRIPTION	
No Treatment	Regeneration Cut Crop Tree Release Block Cut
Shelterwood Cut	Selection Cut 2022 Patch Cut 2022 Strip Cut
Commercial Thinning	Afforestation 2023 Site Preparation 2023
Pre-commercial Thinning	Reforestation 2023 Riparian Zone Mgmt
Pln. Maint.	2027 Stems/Ha
Comments:	WS content overmature, dense fully developed understory of BF, select (salvage) modified, extraction from woodlot road on ghost trails, salvage out WS and enrich with WP or others, BF regeneration aggressive in the understory in past, small area with some diversity due to hedgerow history, salvage where necessary, leave snags for wildlife values, enrich plant understory patches

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87473 PLANTATION # 2130001(W)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.29 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	9		2	4				
2	WS	9		1.5	5				
3					6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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	HW							
Advanced Regeneration:	Understocked	Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.	Height		2. Spp.	Height				
	3. Spp.	Height		4. Spp.	Height				

GROUND OBSERVATIONS	
Ground Vegetation Species Present:	(snow) 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 stands,

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	Riparian Zone Mgmt 2022
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, (old Red Pine stand removed was diseased)

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 871208 & 87461 PLANTATION # 2670005,...4 (NS)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 1.35 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION										
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	NS	55	40	22		4	NS	55	43	20
2	NS	55	34	21		5	NS	55	38	20
3	NS	55	33	20		6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	NS100	%	%	%	%				
Even-aged X	Uneven-aged							Biomass	
Slope	%	Aspect	S					*"permanent sample research plot" (PSP) in stand	
Stand Origin:	Old Field X	Partial Cut	Xthin	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	1,250	HW						
Advanced Regeneration:	Understocked	Xthin	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, low light to forest floor limits vegetation growth establishing
Ground Hemlock	Y / N
Invasive Species Present	Y / N If yes then what species:
Site Indicators	Y / N If yes then what species:

ENVIRONMENTAL OBSERVATIONS	
Water Course	Bog Pond Stream Seeps Beaver Present Y / N
Drainage:	Poor Moderate Good Excellent Erosion Control Required Y / N
Snag Trees:	Adequate Inadequate
Coarse Woody Material:	Adequate Inadequate
Dens	Nests (Raptors, songbirds, etc.)
Wildlife Observed	black-capped chickadee
Comments	DEMO trail

STAND PRESCRIPTION	
No Treatment	Regeneration Cut Crop Tree Release Block Cut
Shelterwood Cut	Selection Cut Patch Cut Strip Cut
Commercial Thinning	2022 Afforestation Site Preparation
Pre-commercial Thinning	Reforestation Riparian Zone Mgmt
Pln. Maint.	Y / N Stems/Ha
Comments:	commercially thinned, cleaned and pruned, very clean through understory, good tree form and vigor, could do light selective cut and row thin to remove suppressed and maintain growth on dominants, row thinned in past, about 65% of stand 871208 is Norway Spruce, note a couple of borken tops windfall, some rows more suppressed (design thinning to target these for removal)

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 871196 PLANTATION # 2861704 (LA)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 3.14 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION										
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	LA	36	20	17		4	LA	36	14	17
2	LA	36	22	17		5	WB	36	14	16
3	LA	36	21	17		6	WB	36	10	10

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	LA70	%	WB30	%		%	GB, RM, BF, PC		
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 X	Unknown							
Stand Maturity Class:	Regeneration		Immature		Mature		Over-mature		
Stand Stocking:	Understocked		Fully Stocked X		Overstocked		Patchy		
Density:	SW	1,250	HW	1,750					
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:	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, exposed to northwest valley (adjacent power line), slight gully to southwest

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.	Stems/Ha
Comments:	heavy slope west of DEMO trail, less slope near woodlot road, minimal windfall from wind storms, surrounded by woodland, monitor development and health to time future removal of LA if needed, harvest and replant when declining, don't commercial thin (maintain windfirm) reasonable form, monitor periodically, coppice hardwood from old plantation maintenance noted through, save them, tall, low live crown ratios, full crown density shading forest floor, LA not generally in this locale

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 871590 PLANTATION # 2861703 (RP)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 2.25 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RP	36	30	15	4				
2	RP	36	28	15	5				
3	RP	36	25	15	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	RP100	%	%	%	%				
Even-aged X	Uneven-aged							Biomass	
Slope	%	Aspect							
Stand Origin:	Old Field X	Partial Cut	Xthin	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, Mountain Ash (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 but appear to still have some opportunity for development, uniform stems, hardwood stands adjacent providing natural seed, no treat at this time, monitor development periodically for signs of decline, encourage understory and enhance plant to supplement naturals in future when future harvesting, CT to maintain cover but open for regen?

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 871596 PLANTATION #  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.53 ha Date 7 / 1 / 2022  
 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 <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	BF50	%	RM10	%	PC10	%	WB10	%	
Even-aged							Uneven-aged		
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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BF	36	20	11	4				
2	BF	36	18	10	5				
3	BF	36	19	10	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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	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)

# STAND TALLY SHEET

871324&

CRUISER L. Stevenson STAND # 86157&871794 PLANTATION # \_  
 PROPERTY # 225441 DEMO (Brookvale) AREA 6.97 ha Date 7 / 1 / 2022  
 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<sup>2</sup>/Ha SWSL        M<sup>2</sup>/Ha HW        M<sup>2</sup>/Ha HWSL        M<sup>2</sup>/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        Non Forest        Ploughed         
 Clear Cut        Unknown         
 Stand Maturity Class: Regeneration        Immature X        Mature X        Over-mature X         
 Stand Stocking: Understocked        Fully Stocked X        Overstocked        Patchy         
 Density: SW 250 HW 1,250  
 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) 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        Beaver Present        Y / N         
 Drainage: Poor X        Moderate X        Good X        Excellent        Erosion Control Required        Y / N         
 Snag Trees: Adequate X        Inadequate         
 Coarse Woody Material: Adequate X        Inadequate         
 Dens        Nests (Raptors, songbirds, etc.)         
 Wildlife Observed 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 X        Regeneration Cut        Crop Tree Release        Block Cut         
 Shelterwood Cut        Selection Cut        Patch Cut 2032 Strip Cut         
 Commercial Thinning        Afforestation        Site Preparation         
 Pre-commercial Thinning        Reforestation        Riparian Zone Mgmt         
 Pln. Maint.        Y / N        Stems/Ha         
 Comments: old stand characteristics NE, couple of dominant WS (tall, 50cm), SM have characteristics of old  
 age bark, 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, adjacent to woodlot road culvert to north, leave natural to protect  
 features and imperfectly drained soils and springs?, slopes, stand varies but typically older, young  
 SM at spring head west, large PO at base slope, old WS scattered, extreme slope younger to southwest  
 could patch cut small sections where slopes and springs are protected, Alberry soil type erosion-prone



The picture above shows a dead “feeder snag” in stand # 871324. This dead White Spruce was infested with bark beetle. Small birds (probably chickadees and others) searched under the scaly bark for food during the winter season.



# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 871304 PLANTATION #  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.8 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	38	28	13	4				
2	WS	38	24	12	5				
3	WB	38	20	13	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS70	%	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 X			
	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, bunchberry, 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 imperfect drainage section

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 871333 PLANTATION # 2660009 (DF)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.9 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	DF	56	22	17	4	DF	56	29	17
2	WS	56	21	17	5	WS	56	28	17
3	WS	56	32	17	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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 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 resistant 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 quality poor on Douglas Fir, low live crown ratio indicating slower growth, future harvest block



# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 871335 PLANTATION #  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.95 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION										
TREE #	SPP.	AGE	D.B.H.	HEIGHT		TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RM	57	27	13		4	RM	57	26	14
2	RM	57	24	12		5				
3	BF	57	24	11		6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	RM70	%	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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	BS	35	18	12	4	RM	35	8	8
2	BS	35	14	11	5	WB	35	11	10
3	BS	35	17	11	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	BS70	%	RM20	%	WB10	%	YB,BF		
Even-aged	X		Uneven-aged				Biomass		
Slope	%		Aspect	X					
Stand Origin:	Old Field		Partial Cut	maint.	Burn		Unploughed	X?	
	Windfall		Non Forest				Ploughed		
	Clear Cut	X	Unknown						
Stand Maturity Class:	Regeneration		Immature	X	Mature		Over-mature		
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked	X	Patchy		
Density:	SW	1,250	HW	2,000					
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
Site Indicators	Y / N
	If yes then what species:
	If yes then what species:

ENVIRONMENTAL OBSERVATIONS	
Water Course	Bog
Drainage:	Pond
Stream	Seeps
Beaver Present	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

STAND PRESCRIPTION	
No Treatment	X
Regeneration Cut	
Crop Tree Release	*2022
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:	(*light <b>crop tree release</b> a few quality hwd stems in patch to N), stand is BS plantation on high dry site, site, vigor moderate/poor , may be too dry, rooting depth reasonable, experimental planting trial, couple windfall, form of BS is good, coppice RM in understory 5cm/6m regenerated after, BS are "free to grow" at this point but slow growing, monitor health for removal when mature or declining 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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WB	56	22	17	4	RS	56	25	16
2	PO	56	41	18	5	RS	56	28	17
3	WB	56	18	17	6	RM	56	14	13

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WB60	%	PO20	%	RS10	%	RM,BF,WS		
Even-aged X	Uneven-aged							Biomass	
Slope	%	Aspect	W						
Stand Origin:	Old Field		Partial Cut		Burn		Unploughed		
	Windfall		Non Forest				Ploughed		
	Clear Cut		Unknown						
Stand Maturity Class:	Regeneration		Immature X		Mature X		Over-mature		
Stand Stocking:	Understocked		Fully Stocked X		Overstocked		Patchy		
Density:	SW	250	HW	2,500					
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp.		Height		2. Spp.		Height		
	3. Spp.		Height		4. Spp.		Height		

GROUND OBSERVATIONS	
Ground Vegetation Species Present:	(snow) 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 Inadequate X
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 2022 Patch Cut Strip Cut
Commercial Thinning	Afforestation 2022 Site Preparation
Pre-commercial Thinning	Reforestation 2023 Riparian Zone Mgmt
Pln. Maint.	Y / N Stems/Ha
Comments:	pocket of good quality RS, live crown ratios 35%, good form vigor and health, no treatment in this area to maintain the RS content (somewhat rare), leave entire stand, edge of woodlot, provides wind protection on slope from valley to west/northwest, natural stand, DEMO trail, recent windfall was removed selectively (dominant WS), could selectively remove overstory and scarify to encourage RS regeneration and 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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WB	35	18	14	4	BF	35	22	14
2	YB	35	16	13	5				
3	WB	35	16	14	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	36	23	11	4	WB	36	10	9
2	WS	36	13	8	5				
3	WS	36	16	9	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RP	38	28	14	4	RP	38	30	13
2	WS	38	34	15	5				
3	WS	38	14	10	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	RP70	%	WS30	%		%			
Even-aged	Uneven-aged *two				Biomass				
Slope	%	Aspect	S						
Stand Origin:	Old Field	X	Partial Cut	Xthin	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 2022
Pre-commercial Thinning	Reforestation 2022 Riparian Zone Mgmt
Pln. Maint.	2026 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 (use 2nd year seedlings or some gallon pots to develop 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 7 / 1 / 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	56	38	17	5				
3					6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	%	%	%	%					
Even-aged	Uneven-aged		Biomass						
Slope	%	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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	CE	53	23	13	4	CE	53	20	10
2	WS	53	33	15	5	WS	53	34	16
3	CE	53	22	11	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS60	%	CE40	%		%			
Even-aged X	Uneven-aged						Biomass		
Slope	%	Aspect	S/SE						
Stand Origin:	Old Field X	Partial Cut		Burn		Unploughed			
	Windfall	Non Forest		Ploughed	X				
	Clear Cut	Unknown							
Stand Maturity Class:	Regeneration		Immature X	Mature X	Over-mature				
Stand Stocking:	Understocked		Fully Stocked	Overstocked X	Patchy				
Density:	SW	3,250	HW						
Advanced Regeneration:	Understocked X	Fully Stocked	Overstocked	Patchy					
Regeneration:	1. Spp.	Height	2. Spp.	Height	3. Spp.	Height	4. Spp.	Height	

GROUND OBSERVATIONS	
Ground Vegetation Species Present:	(snow) 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 2028	Afforestation Site Preparation
Pre-commercial Thinning	Reforestation Riparian Zone Mgmt
Pln. Maint. Y / N	Stems/Ha
Comments:	scattered dead WS (a few), bark beetle evidence, needs some form of a selection/commercial thin, try not to open to west adjacent residence, DEMO trail, page wire in old hedge to east, CE under and codominants, troubling amount of bark beetle evidence, some WS wolf- tree like (25-25% live crown), CE can handle shading, minimal open up to remove beetle and light release CE

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # \_87424&871205 PLANTATION # \_2130002,2120001(WS)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 1.19 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	9		1.25	4	WS	9		1.7
2	WS	9		0.6	5	WS	9		1.5
3	WS	9		2.25	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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:	(snow) some raspberry, dominated by grass and golden rod,
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	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	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.	2028? Stems/Ha
Comments:	old RP plantation in past was clearcut and planted with WS, plantaion maintained in 2019, couple of small WP seeded in from adjacent stand, vigor appears good, terminal leders indicate good height development, development in case light cleaning needed, heights now 2.5 meters plus in summer 2021



# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87460 PLANTATION # 2660043 (DF)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.36 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	56	30	16	4	WS	56	34	17
2	WS	56	24	15	5				
3	DF	56	25	15	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS100	%	%	%	DF				
Even-aged X	Uneven-aged							Biomass	
Slope	%	Aspect	W/SW						
Stand Origin:	Old Field X	Partial Cut	Xthin	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	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:	(snow) 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 2028
Shelterwood Cut	Selection Cut Patch Cut Strip Cut
Commercial Thinning	Afforestation Site Preparation 2029
Pre-commercial Thinning	Riparian Zone Mgmt
Pln. Maint.	2032? Stems/Ha
Comments:	stand had commercial thinning that removed 99% of DF component leaving WS stems, WS live crown 35%, doing reasonably well, leave to develop further and monitor, heavy hedge to east adjacent to residence and cottages (maintain buffer), very open, due to heavy raspberry cover difficult to get plantings establish (possible disc and plant), follow-up maintenance, maintain residential privacy

## STAND TALLY SHEET

CRUISER	L. Stevenson	STAND # _	87428	PLANTATION # _	2660040(RP)
PROPERTY #	225441 DEMO (Brookvale)	AREA	0.08 ha	Date	7 / 1 / 2022
				D	M Y

## SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RP	56	33	18
2	RP	56	27	15
3	RP	56	34	18

## STAND INFORMATION

Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha
Species and (%)	RP100	%	%	%	%			
Even-aged	X		Uneven-aged					Biomass
Slope	%		Aspect					
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed	
	Windfall		Non Forest				Ploughed	X
	Clear Cut		Unknown					
Stand Maturity Class:		Regeneration		Immature		Mature	X	Over-mature
Stand Stocking:		Understocked		Fully Stocked	X	Overstocked		Patchy
Density:	SW	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) raspberry and elderberry heavy cover

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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.	_____ Y / N _____	Stems/Ha	_____				
Comments:	<u>narrow strip planted with RP, tops dying back, never thinned fully, raspberry and elderberry under,</u> <u>four rows of RP is whole stand (no advantage to remove), could spot plant under to try and develop</u> <u>future, unclear if snowshoe hare browse would be an issue, leave as corridor for wind protection and</u> <u>diversity for adjacent stand treatments</u>						

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87478 & 87474 PLANTATION # 2660043&266041  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.53 ha Date 7 / 1 / 2022  
 D M Y

## SAMPLE TREE INFORMATION

TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	56	33	16.5
2	WS	56	20	15
3	WS	56	31	16

TREE #	SPP.	AGE	D.B.H.	HEIGHT
4				
5				
6				

## STAND INFORMATION

Stand Basal Area SW        M<sup>2</sup>/Ha SWSL        M<sup>2</sup>/Ha HW        M<sup>2</sup>/Ha HWSL        M<sup>2</sup>/Ha  
 Species and (%) WS100 %        %        %        %        %  
 Even-aged        Uneven-aged        Biomass         
 Slope        % Aspect         
 Stand Origin: Old Field        Partial Cut Xthin        Burn        Unploughed         
 Windfall        Non Forest        Ploughed         
 Clear Cut        Unknown         
 Stand Maturity Class: Regeneration        Immature        Mature        Over-mature         
 Stand Stocking: Understocked X        Fully Stocked        Overstocked        Patchy         
 Density: SW        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) 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        2028 Strip Cut         
 Commercial Thinning        Afforestation        Site Preparation        2029  
 Pre-commercial Thinning        Reforestation        2029 Riparian Zone Mgmt         
 Pln. Maint.        2032 Stems/Ha         
 Comments: quite open, had a BF content along with WS, the stand now mainly WS with some snags and small  
 diameter BF snags, reasonable live crown but not great vigor, some broken tops, further thinning due  
 to mortality, excessive ground vegetation will limit success of planting, stand does not need to be  
 harvested quite yet but raspberry will create problems to reforest, problem stand!, monitor decline!

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87427 PLANTATION # 2660039 (SP)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.1 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	SP	56	29	16	4				
2	SP	56	27	15	5				
3	SP	56	32	16	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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
Shelterwood Cut	Selection Cut 2028 Patch Cut Strip Cut
Commercial Thinning	Afforestation Site Preparation
Pre-commercial Thinning	Riparian Zone Mgmt
Pln. Maint.	Y / N Stems/Ha
Comments:	typical Scotch Pine, poor form and vigor, overmature, declining, invasive species!, no value in timber but if cutting beside remove this, would provide some snag opportunities if not harvested but would allow seed, selection cut prescribed to remove SP component when feasible

# STAND TALLY SHEET

CRUISER L. Stevenson STAND # 87145 PLANTATION # (RP?)  
 PROPERTY # 225441 DEMO (Brookvale) AREA 0.33 ha Date 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	RP	38	32	12	4	WS		20	9
2	RP	38	24	12.5	5				
3	WS		24	10	6				

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	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		Mature		Over-mature		
Stand Stocking:	Understocked		Fully Stocked		Overstocked		Patchy		
Density:	SW		HW						
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked		Patchy		
Regeneration:	1. Spp.		Height		2. Spp.		Height		
	3. Spp.		Height		4. Spp.		Height		

GROUND OBSERVATIONS	
Ground Vegetation Species Present:	(snow)
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	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 7 / 1 / 2022  
 D M Y

SAMPLE TREE INFORMATION									
TREE #	SPP.	AGE	D.B.H.	HEIGHT	TREE #	SPP.	AGE	D.B.H.	HEIGHT
1	WS	54	41	18	4	DF	54	38	18
2	WS	54	38	18	5	WS	54	29	17
3	WS	54	32	18	6	DF	54	20	13

STAND INFORMATION									
Stand Basal Area	SW	M <sup>2</sup> /Ha	SWSL	M <sup>2</sup> /Ha	HW	M <sup>2</sup> /Ha	HWSL	M <sup>2</sup> /Ha	
Species and (%)	WS90	%	DF5	%		%	BF (couple LA)		
Even-aged X			Uneven-aged					Biomass	
Slope	%		Aspect	E					
Stand Origin:	Old Field X		Partial Cut		Burn		Unploughed		
	Windfall		Non Forest				Ploughed X		
	Clear Cut		Unknown						
Stand Maturity Class:	Regeneration		Immature		Mature X		Over-mature		
Stand Stocking:	Understocked		Fully Stocked X		Overstocked		Patchy		
Density:	SW	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 2025 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:	old roadway by east boundary, occasional quality DF (a few specimens up should leave to see what is possible), 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



**PROPERTY 225441  
BROOKVALE**

**LEGEND**

- PROPERTY 225441
- PROPERTY
- PLANTATIONS
- WETLANDS
- PEI 15 METER BUFFER
- FOREST ROADS
- RIVERS AND STREAMS
- Public-Paved
- Public-Unpaved
- Private-Paved
- Private-Unpaved

**Map Details:**

- The map shows a topographic view of a forested area with numerous land parcels outlined in black and labeled with numbers (e.g., 2075143, 2861701, 2861703, 2885036, 2885031, 2075141, 2885032, 2885033, 2995112, 2995113, 2861704, 2895521, 2805741, 2954052, 2885034, 2954053, 2660024, 2895523, 2670004, 2895522, 2660014, 2861702, 2660016, 2660015, 2660018, 2130001, 2660011, 2660017, 2660038, 2650011, 2660027, 2660035, 2660009, 2670005, 2660042, 2120001, 2130002, 2690010, 2680005, 2660013, 2660020, 2660021, 2845711, 2660039, 2845072, 2875081, 2845071).
- Yellow hatched areas indicate the 15-meter buffer zone.
- Blue lines represent rivers and streams.
- Black lines represent forest roads.
- Green hatched areas represent plantations.
- Blue areas represent wetlands.
- White areas represent public or private land.

**Inset Map:**

- Shows the location of the property within Prince Edward Island.

**Scale:**

- 1:7,057

**Map Source:**

- Environment, Energy & Climate Action
- Resource Inventory & Modelling
- November 2021

### Appendix H. Work Completed

property_id	treatment_code	amount_completed	treatment_date	treatment_description
225441	11	2000	19-Dec-2013	Landing Construction
225441	11	2500	19-Dec-2013	Landing Construction
225441	11	1800	24-Sep-2013	Landing Construction
225441	11	2200	25-Sep-2013	Landing Construction
225441	11	4000	1-Nov-2021	Landing Construction
225441	110	1.45	28-Jan-1992	Commercial Softwood< 5000 /Ha
225441	110	1	13-Jul-2004	Commercial Softwood< 5000 /Ha
225441	110	0.3	15-Jul-2004	Commercial Softwood< 5000 /Ha
225441	110	4.98	4-Nov-2010	Commercial Softwood< 5000 /Ha
225441	110	1.4	16-Sep-2011	Commercial Softwood< 5000 /Ha
225441	110	2	21-Jun-2012	Commercial Softwood< 5000 /Ha
225441	110	1	21-Jun-2012	Commercial Softwood< 5000 /Ha
225441	110	2.34	6-Jun-2013	Commercial Softwood< 5000 /Ha
225441	110	1.6	17-Jun-2013	Commercial Softwood< 5000 /Ha
225441	110	2.69	16-Jul-2013	Commercial Softwood< 5000 /Ha
225441	110	0.54	26-Aug-2014	Commercial Softwood< 5000 /Ha
225441	110	0.38	5-Sep-2014	Commercial Softwood< 5000 /Ha
225441	112	4000	5-Nov-2021	Unknown
225441	13	1.25	8-Jun-2009	Trail Maintenance
225441	13	10	26-May-2010	Trail Maintenance
225441	13	3000	20-May-2011	Trail Maintenance
225441	13	3	8-May-2013	Trail Maintenance
225441	13	3	24-May-2013	Trail Maintenance
225441	13	3.28	30-May-2014	Trail Maintenance
225441	13	1.1	25-Aug-2021	Trail Maintenance
225441	13	3.3	29-May-2018	Trail Maintenance
225441	13	3.3	13-Jun-2019	Trail Maintenance
225441	13	3.3	19-May-2020	Trail Maintenance
225441	13	0.2	17-Jun-2021	Trail Maintenance
225441	13	0.35	23-Aug-2021	Trail Maintenance
225441	13	2.12	24-Aug-2021	Trail Maintenance
225441	13	3.38	25-May-2015	Trail Maintenance
225441	13	3.04	31-May-2016	Trail Maintenance
225441	13	3.04	31-May-2016	Trail Maintenance
225441	13	1	6-Oct-2016	Trail Maintenance
225441	13	3.3	29-May-2017	Trail Maintenance
225441	13	3.3	29-Sep-2017	Trail Maintenance
225441	13A	1	11-Jun-2009	Trail Signage Maintenance
225441	14	1.24	28-Jan-1992	Boundary Line Establishment
225441	15	0.17	3-Dec-1997	Road right of way cutting



225441	15	0.1	13-Jun-2013	Road right of way cutting
225441	152	0.45	28-Jan-1992	Site Reclamation class 2-with product
225441	16	1.2	19-Dec-1996	Misc. Road Maintenance
225441	16	2.1	28-Oct-2003	Misc. Road Maintenance
225441	16	0.8	14-Oct-2003	Misc. Road Maintenance
225441	16A	0.32	21-Sep-2006	Manual roadside trimming (brush saw)
225441	16A	1627	23-Sep-2010	Manual roadside trimming (brush saw)
225441	16B	2.15	1-Apr-2005	Mechanical roadside trimming
225441	16B	2.15	7-Aug-2007	Mechanical roadside trimming
225441	16B	2.15	25-Sep-2008	Mechanical roadside trimming
225441	16B	1.95	7-Jul-2015	Mechanical roadside trimming
225441	16B	1.92	16-Jun-2015	Mechanical roadside trimming
225441	16B	1.95	17-Jun-2014	Mechanical roadside trimming
225441	16B	1.9	12-Jun-2019	Mechanical roadside trimming
225441	16B	0.1	29-Aug-2019	Mechanical roadside trimming
225441	16B	1.9	12-Jun-2020	Mechanical roadside trimming
225441	16B	0.1	12-Jun-2020	Mechanical roadside trimming
225441	16C	100	13-Jun-2019	Shale fill and leveling
225441	16C	42	1-Mar-2021	Shale fill and leveling
225441	16E	0.71	13-Jun-2019	Ditch maintenance
225441	16H	1	1-Jun-2016	Silt trap maintenance
225441	16H	1	1-Jun-2016	Silt trap maintenance
225441	16H	1	5-Jun-2018	Silt trap maintenance
225441	2	27	3-Oct-1995	Fill
225441	2	180	10-Dec-1996	Fill
225441	2	200	8-Feb-1999	Fill
225441	2	63	30-Sep-2011	Fill
225441	29	0.95	20-Feb-2012	Raking Crawler Tractor-Root Rake:per Ha
225441	29	0.32	20-May-2013	Raking Crawler Tractor-Root Rake:per Ha
225441	29	0.29	22-May-2013	Raking Crawler Tractor-Root Rake:per Ha
225441	30B	1103	2-Aug-1993	Manual Site Preparation per Site (Hawk)
225441	30B	1718	2-Aug-1993	Manual Site Preparation per Site (Hawk)
225441	30B	645	2-Aug-1993	Manual Site Preparation per Site (Hawk)
225441	30B	1291	2-Aug-1993	Manual Site Preparation per Site (Hawk)
225441	30B	540	2-Aug-1993	Manual Site Preparation per Site (Hawk)
225441	30B	240	10-Sep-2012	Manual Site Preparation per Site (Hawk)
225441	30B	1748	10-Sep-2012	Manual Site Preparation per Site (Hawk)
225441	30B	1350	27-May-2013	Manual Site Preparation per Site (Hawk)
225441	320	1	10-Oct-2018	Provincial Forest Sign Installation
225441	321	5	29-Jul-2016	Demonstration Woodlot Sign Installation
225441	321	2	20-Sep-2017	Demonstration Woodlot Sign Installation

225441	321	3	20-Sep-2017	Demonstration Woodlot Sign Installation
225441	321	1	2-Jul-2018	Demonstration Woodlot Sign Installation
225441	321	10	2-Jul-2019	Demonstration Woodlot Sign Installation
225441	321	3	28-Oct-2020	Demonstration Woodlot Sign Installation
225441	321	30	9-Jul-2020	Demonstration Woodlot Sign Installation
225441	322	2	17-Mar-2021	Trail Sign Installation
225441	3I	1	1-Nov-2021	Culvert 60cm Class 1&2 road
225441	3W	2	3-Dec-1997	Water Diversion Structure
225441	3W	1	12-Feb-1999	Water Diversion Structure
225441	3W	1	12-Jun-2013	Water Diversion Structure
225441	50CF	1	2-Aug-1993	FILL PLANT AREA - CENTRAL
225441	50CF	1.01	2-Aug-1993	FILL PLANT AREA - CENTRAL
225441	50CF	0.32	2-Aug-1993	FILL PLANT AREA - CENTRAL
225441	50CF	1.89	2-Aug-1993	FILL PLANT AREA - CENTRAL
225441	50CF	0.99	2-Aug-1993	FILL PLANT AREA - CENTRAL
225441	53CF	1718	2-Aug-1993	FILL PLANT RED PINE - CENTRAL
225441	53CF	645	2-Aug-1993	FILL PLANT RED PINE - CENTRAL
225441	53CF	1291	2-Aug-1993	FILL PLANT RED PINE - CENTRAL
225441	54CF	540	2-Aug-1993	FILL PLANT BALSAM FIR - CENTRAL
225441	55C	1748	10-Sep-2012	WHITE SPRUCE - CENTRAL
225441	55C	800	28-May-2013	WHITE SPRUCE - CENTRAL
225441	55CF	1103	2-Aug-1993	FILL PLANT WHITE SPRUCE - CENTRAL
225441	55CF	240	10-Sep-2012	FILL PLANT WHITE SPRUCE - CENTRAL
225441	55CF	550	29-May-2013	FILL PLANT WHITE SPRUCE - CENTRAL
225441	55WF	210	31-May-2021	FILL PLANT WHITE SPRUCE - WESTERN
225441	56CI	1778	19-Oct-2011	INTERPLANT WHITE PINE - CENTRAL
225441	56WF	40	31-May-2021	FILL PLANT WHITE PINE - WESTERN
225441	82B	1.74	4-Oct-1990	Herbicide:Broadcast : 1st Treatment
225441	82B	0.3	4-Oct-1990	Herbicide:Broadcast : 1st Treatment
225441	82B	1.01	28-Oct-1991	Herbicide:Broadcast : 1st Treatment
225441	88A	0.53	25-Jan-1991	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88A	2.6	25-Jan-1991	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88A	1	28-Jan-1992	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88A	1.9	28-Jan-1992	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88A	3.81	12-Feb-1999	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88A	1.01	12-Feb-1999	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88A	1.87	12-Feb-1999	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88A	0.99	12-Feb-1999	Class I : Manual : 0 -5000/Ha <6 Metres
225441	88B	1.5	12-Feb-1999	Class 2 : Manual : 5001-10000/Ha <6 Metres
225441	88B	0.96	3-Jul-2019	Class 2 : Manual : 5001-10000/Ha <6 Metres
225441	88B	0.32	9-Jul-2019	Class 2 : Manual : 5001-10000/Ha <6 Metres

225441	88B	0.29	11-Jul-2019	Class 2 : Manual : 5001-10000/Ha <6 Metres
225441	91	0.3	28-Jan-1992	Strip Cut
225441	91	1.57	31-Oct-1993	Strip Cut
225441	91	0.97	31-Oct-1993	Strip Cut
225441	91	2.54	31-Oct-1993	Strip Cut
225441	91	2.39	31-Oct-1993	Strip Cut
225441	92	0.96	4-Oct-2011	Clearcut Block
225441	92	0.95	20-Aug-2012	Clearcut Block
225441	92	0.28	22-Aug-2012	Clearcut Block
225441	92	0.28	22-Aug-2012	Clearcut Block
225441	92	0.31	20-Aug-2012	Clearcut Block
225441	92	0.36	22-Aug-2012	Clearcut Block
225441	95	0	12-Feb-1999	Special Projects
225441	95	44	6-Sep-2006	Special Projects
225441	95	17	6-Jun-2006	Special Projects
225441	95	0	13-Aug-2007	Special Projects
225441	95	0	7-Jun-2007	Special Projects
225441	95	0	15-Jul-2008	Special Projects
225441	95	1	22-Sep-2014	Special Projects
225441	95	3	8-Sep-2010	Special Projects
225441	95	4	8-Aug-2011	Special Projects
225441	95	1	22-May-2012	Special Projects
225441	95	1	27-May-2013	Special Projects
225441	95	1	26-Sep-2013	Special Projects
225441	95	6	28-Jul-2014	Special Projects
225441	95	0	5-Aug-2008	Special Projects
225441	95	0	15-May-2008	Special Projects
225441	95	6	21-Sep-2004	Special Projects
225441	95	24	9-Aug-2004	Special Projects
225441	95	30	6-Aug-2008	Special Projects
225441	95	0	24-Sep-2009	Special Projects
225441	97	54	28-Jan-1992	Wood Extraction
225441	97	127	23-Sep-2011	Wood Extraction
225441	97	102	12-Jan-2012	Wood Extraction
225441	97	52.93	15-Aug-2012	Wood Extraction
225441	97	117.06	3-Sep-2012	Wood Extraction
225441	97	2.34	20-Sep-2013	Wood Extraction
225441	97	1.6	25-Sep-2013	Wood Extraction
225441	97	2.69	30-Sep-2013	Wood Extraction
225441	97	6.77	2-Sep-2014	Wood Extraction
225441	97	6.78	4-Sep-2014	Wood Extraction