

Woodlot Owner Name



Woodlot Owner Name



Statement of Intent

This woodlot management plan is prepared to:

- 1.) Identify and clarify the owner's objectives for the woodlot.
- 2.) Present an accurate description of existing conditions on the woodlot.
- 3.) Make recommendations consistent with the owner's objectives for woodlot management activities on the woodlot.
- 4.) Make recommendations, which will improve the overall health and productivity of the woodlot without unnecessary depletion of the woodlot resources.
- 5.) Create an action plan for woodlot management activities.

WOODLOT OWNER INFORMATION

Owner Name: Mailing Address:	******	Wooded- Wetland Total-	Woodlot S	Size: 107.5 acres 3.5 acres 111.0 acres	43.5 ha 1.4 ha 44.9 ha
Phone No.: Work: Cell No.: Other: Fax: Email:	****				
Woodlot Location: PID No.:	******				
NB Atlas Map No.: Aerial Photo:	********				

Owner History and Objectives:

*** and his son **** are both Forest Technicians and have there own forest management business. They own all the gear necessary to build roads, cut the wood and truck it to the mill. Any forest management work necessary on any of their woodlots that is required, they will be more than capable of getting it completed.

***** and **** are both interested in improving the health and productivity of their woodlots by salvaging any decadent wood, creating the ideal habitat conditions for deer and other wildlife to thrive in and also to reforest any areas without sufficient natural regeneration remaining after the harvesting has been completed.

Any government or SNB assistance programs are of interest to **** in order for him to reach his forest management goals and objectives.

Boundary Line Conditions

Line #	Evidence Found			Type of Evider	nce
А	No	Painted Blazes	and		Flagging Tape
В	Yes	Barbwire fence			
С	No	Not observed during t	he field in:	spection	
D	Yes	East Scotch Settleme	nt Road		
Е	Yes	Painted Blazes	and		Flagging Tape
F	Yes	Painted Blazes	and		Flagging Tape
G	Yes	Painted Blazes	and		Flagging Tape
Н	Yes	Painted Blazes	and		Flagging Tape

Maintenance required to Lines:

Note: Each boundary line for the woodlot has been given a letter of the alphabet designated to it for description purposes. The aerial photograph included with this report, shows all the boundary lines for the woodlot and the corresponding letter designated to it.

Access Conditions:

Overall Rating: Good

Existing roads/trails present:

This woodlot has great access to it with the ********** with a small log loanding already contructed on it. A few old woods roads and skidder trails that have grown in over the years.

Road Upgrades required:

If any forestry treatments are necessary, they would be best completed in the winter months to minimize rutting, due to some of the area being poorly drained. The existing old woods roads and trails cab be easily opened up again once they are cut out with the harvester and travelled upon with the porter or skidder.

Stand #:	1	Acres:	7.5		
		Stand Descript	<u>tion</u>		
Stand Origin:	Thinned Previously				
Stand Age Class:	Immature to Mature				
Development Stage 1				a b i	
Species:	Fir	Red Spruce	White Birch	Grey Birch	Yellow Birch
Percentage of Species	/5	10	10	< 5	< 5
Average Stand Height(feet):	15-20				
Crown closure(%):	70-80				
Est. Cords/acre:	20-25		in 1000 Eventlant		a a wa wwith was a staff
Comments:	This stand was pre-	commercially thinned	In 1999. Excellent	tree growth over the y	ears with most of
	the trees being in the	e 6 - 10 diameter ran	ge and exhibiting 3	0%-40% live crowns.	
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Woodlot Management Recommendations (continued)				
Understory				
Species:	Fir	Red Spruce		
Percentage of Species	80	20		
Average Stand Height(inch):	1-5 feet			
Stocking level(%):	70-80			
Density	Scattered Dense I	Patches		
Non-commercial species:	Alders, serviceber	rry, mosses, pin cherry	y, hardhack, ferns,	golden rod and grey birch.
Comments:	In the dense bals	am fir areas, a thick o	carpet of young bal	Isam fir seedlings can be found along the
	stand margins or	where trees have falle	en out of the stand.	
Topographic Conditions				
Aspect:	South East			
Slope (%):	U-5 Madarata Drainan			
Drainage:	Moderate Drainag	e		
Stand Health	Level			
	Present	Type/Extent:	Woolly Adelaid	Moderate
Animal Damage:	Not Present	Type/Extent:	Woolly Adeigid	Moderate
Wind throw	Present	Type/Extent:		Moderate
Ice Damage	Not Present	Type/Extent:		modorato
Disease	Not Present	Type/Extent:		
Comments:	Heavy mortality	was evident from ex	tensive blowdowns	s, dead standing, broken off trees and
	thinning crowns for	ound throughout this a	area. Adelgid dama	age, heavy winds and old age has caused
	this stand to deter	iorate rapidly over the	e past several years	5.
Wildlife				
Habitat suited for:	Deer	Ruffed Grouse	Porcupine	Squirrel
Wildlife Observed	Squirrel		roroupino	oquiror
Options to improve habitat:	n/a			
Comments:	Deer populations	are low in this area a	nd only one track v	was observed. No longer a great area for
	winter cover and r	efuge, due to the star	nd health.	
Environmental Concerns		0		
Wetland:	no	Buffer required:		
Lake	yes	Buffer required:	30 meters	
Watershed Area:	no	Name:		
Municipal Boundary:	no	Name:		
Ground prone to rutting:	yes			
Comments:	Some areas are fa	airly damp and poorly	drained. These are	eas should only be operated on during the
	frozen winter mon	ths. A 30 m buffer wil	I need to be placed	along Jacks Lake.
Stand Bacommondation				
I ype:	Harvest			
Treatment Timing (years):	1-3			
Comments:	This stand should	d be harvested to sa	alvage volume and	improve the overall health of the stand.
	After the harves	ting is complete, the	e area should be	evaluated for a potential reforestation
	treatment.			

Stand #:	2	Acres:	13.0		
		Stand Descrip	tion		
Stand Origin: A Cle	ear-Cut in Past				
Stand Age Class: Matu	ire				
Development Stage 1					
Species:	Balsam Fir	White Birch	Red Maple	Red Spruce	Yellow Birch
Percentage of Species	50	25	10	5	5
Average Stand Height(feet):	40-50				
Crown closure(%):	40-50				
Est. Cords/acre:	15-20				
Comments: This	area has been o	developing overtime	from being clearcu	it ~30-40 years ago.	The majority of the
area	is comprised of	f immature-mature	balsam fir patches	6"-8" in diameter),	40-50 feet tall and
runn	ing ~20 cord/aci	re, which were too y	oung to harvest in	the past. Several ir	nmature patches of
dens	e balsam fir, w	hite birch and grey	/ birch, 2"-4" were	e found throughout	as well. Scattered
throu	ignout the stan	a are residual large	e, mature red spr	uce, white birch an	a yellow birch with
uan		and with the red spi	uce reaching neigh		
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Woodlot Management Recommendations (continued)					
Understory					
Species:	Fir	Red Spruce			
Percentage of Species	80	20			
Average Stand Height(inch):	1-5 feet				
Stocking level(%):	70-80				
Density	Scattered Dense F	Patches			
Non-commercial species:	Alders, hazel bush	ies, ferns, mosses, b	unchberry and sars	aparilla.	
Comments:	In the dense balsa stand margins or v	am fir areas, a thick where trees have falle	carpet of young bal en out of the stand.	Isam fir seedlings c	an be found along the
Topographic Conditions					
Aspect:	South East				
Slope (%):	0-5				
Drainage:	Moderate Drainage	Э			
Terrain:	Level				
Stand Health					
Insect Damage:	Present	Type/Extent:	Woolly Adelgid	Moderate	
Animal Damage:	Present	Type/Extent:	Deer	Very Slight	Chewed off trees
Wind throw	Present	Type/Extent:		Moderate	
Ice Damage Disease	Not Present Not Present	Type/Extent: Type/Extent:			
Comments:	Heavy mortality w thinning crowns for this stand to deter	was evident from ex ound throughout this a iorate rapidly over the	ktensive blowdown area. Adelgid dama e past several years	s, dead standing, age, heavy winds ar s.	broken off trees and nd old age has caused
Wildlife					
Habitat suited for:	Deer	Ruffed Grouse	Squirrel	Rabbit	
Wildlife Observed	Squirrel				
Options to improve habitat:	None	bhit and a faw door t	racka abaarwad		
Comments:	Lots of squirrel, ra	DDIL and a few deer li	acks observed.		
Environmental Concerns		5 "	1		
Wetland:	no	Buffer required:	00		
Lake	yes	Buffer required:	30m		
vvatersned Area:	no	Name:			
	no	Name:			
Ground prone to rutting:	yes Somo propo pro fr	airly damp and poorly	drained These a	roa chauld anly hav	anaratad on during the
Comments.	frozen winter mon	ths. A 30 m buffer wil	I need to be placed	along Jacks Lake.	
Stand Recommendation					
Type: Treatment Timing (years): Comments:	Harvest 1-3 This stand should After the harvest treatment.	l be harvested to sa ing is complete, th	alvage volume and e area should be	improve the overa evaluated for a	II health of the stand. potential reforestation

Stand #:	2	A aroa:	25.0		
Stanu #.	3	Stand Descript	25.0	-	
Stand Origin:	Partial Harvested in	n Past			
Stand Age Class:	Immature to Matur	e			
Residuals					
Species:	Fir	Red Spruce	White Birch	Red Maple	Cedar
Percentage of Species	40	20	20	10	5
Average Stand Height(feet):	40-50				Black Spruce
Crown closure(%):	60-70				5
Est. Cords/acre:	20-25				
	area is comprised running ~20 cord/a are patches of larg few open grown a scattered non-com	of immature-mature b icre, which were too yo ge, mature red spruce reas are found throug mercial hardwoods.	balsam fir patche ung to harvest in 6"-12" in diame hout with covere	es (4"-7" in diameter) the past. Scattered to ter and reaching heig d mostly with shrubs	, 40-50 feet tall and throughout the stand ghts of 60-70 feet. A , mosses and a few

Woodlot Management Recommendations (continued)					
Understory]				
Species:	Fir	Red Spruce	Grey Birch		
Percentage of Species	80	10	10		
Average Stand Height(feet):	5-15				
Stocking level(%):	20-30				
Density	Scattered Dense I	Patches			
	Grey birch, winterl	berry, wild raisin, lam	bkill , bunchberry, s	phagnum moss, blueberries, ferns, and	
Non-commercial species:	sarsaparilla.				
Comments:	Dense patches of	advanced balsam fi	r regeneration was	observed scattered throughout the area.	
	Heavy patches of	terns observed in the	open areas of the s	stand.	
Topographic Conditions					
Aspect:	South East				
Slope (%):	0-5				
Drainage:	Imperfect				
Terrain:	Hummocky				
Stand Health	ļ				
Insect Damage:	Present	Type/Extent:	Woolly Adelgid	Moderately Severe	
Animal Damage:	Not Present	Type/Extent:			
Wind throw	Present	Type/Extent:		Slight	
Ice Damage	Not Present	Type/Extent:			
Disease	Not Present	Type/Extent:			
Comments:	Heavy mortality w	as observed in all o	f the immature-mat	ture balsam fir and some of the mature-	
	overmature red sp	pruce and white birch.	. Many dead standi	ng, broken tops and thinning crowns were	
	obsorvad				
Wildlife	observed.				
Wildlife Habitat suited for:	observed.	Wood Pecker	Rabbit		
Wildlife Habitat suited for: Wildlife Observed	observed. Deer n/a	Wood Pecker	Rabbit		
Wildlife Habitat suited for: Wildlife Observed	observed. Deer n/a n/a	Wood Pecker	Rabbit		
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments:	observed. Deer n/a n/a Great bedding are	Wood Pecker a for the local deer h	Rabbit erd. A few deer trac	ks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments:	observed. Deer n/a n/a Great bedding are	Wood Pecker a for the local deer h	Rabbit erd. A few deer trac	ks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns	observed. Deer n/a n/a Great bedding are	Wood Pecker	Rabbit erd. A few deer trac	sks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland:	observed. Deer n/a n/a Great bedding are	Wood Pecker a for the local deer h Buffer required:	Rabbit erd. A few deer trac	sks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake	observed. Deer n/a n/a Great bedding are yes yes	Wood Pecker a for the local deer h Buffer required: Buffer required:	Rabbit erd. A few deer trac 30m	ks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area:	observed. Deer n/a n/a Great bedding are yes yes no	Wood Pecker a for the local deer h Buffer required: Buffer required: Name:	Rabbit erd. A few deer trac 30m	ks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary:	observed. Deer n/a n/a Great bedding are yes yes no no	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name:	Rabbit erd. A few deer trac 30m	sks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting:	observed. Deer n/a n/a Great bedding are yes yes no no yes	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name:	Rabbit erd. A few deer trac 30m	sks and trails observed.	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name:	Rabbit erd. A few deer trac 30m y drained. These ar	eks and trails observed. rea should only be operated on during the	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name: Name: airly damp and poorly oths. A 30 m buffer	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla	rea should only be operated on during the aced along Jacks Lake and the adjacent	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor wetland.	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name: airly damp and poorly oths. A 30 m buffer	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla	rea should only be operated on during the aced along Jacks Lake and the adjacent	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor wetland.	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name: Name: airly damp and poorly oths. A 30 m buffer	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla	rea should only be operated on during the aced along Jacks Lake and the adjacent	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor wetland.	Wood Pecker a for the local deer h Buffer required: Name: Name: airly damp and poorly oths. A 30 m buffer	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla	eks and trails observed. rea should only be operated on during the aced along Jacks Lake and the adjacent	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years):	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor wetland. Harvest 1-3	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name: Name: airly damp and poorly oths. A 30 m buffer	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla	eks and trails observed. rea should only be operated on during the aced along Jacks Lake and the adjacent	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor wetland. Harvest 1-3 The balsam fir, wh	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name: Name: hite birch and any dee	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla	should be harvested from this area ASAP	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fr frozen winter mor wetland. Harvest 1-3 The balsam fir, wf before any further and for a future of	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name: Name: airly damp and poorly oths. A 30 m buffer hite birch and any dea volume is lost. Som	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla cadent red spruce, s	eks and trails observed. The should only be operated on during the aced along Jacks Lake and the adjacent should be harvested from this area ASAP ed maple should be left to further develop	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor wetland. Harvest 1-3 The balsam fir, wh before any further and for a future se	Wood Pecker a for the local deer h Buffer required: Name: Name: Name: airly damp and poorly oths. A 30 m buffer hite birch and any der volume is lost. Som	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla cadent red spruce, s	eks and trails observed. rea should only be operated on during the aced along Jacks Lake and the adjacent should be harvested from this area ASAP ed maple should be left to further develop	
Wildlife Habitat suited for: Wildlife Observed Options to improve habitat: Comments: Environmental Concerns Wetland: Lake Watershed Area: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	observed. Deer n/a n/a Great bedding are yes yes no no yes Some areas are fa frozen winter mor wetland. Harvest 1-3 The balsam fir, wh before any further and for a future se	Wood Pecker a for the local deer h Buffer required: Buffer required: Name: Name: Name: airly damp and poorly oths. A 30 m buffer hite birch and any dea volume is lost. Som	Rabbit erd. A few deer trac 30m / drained. These ar will need to be pla cadent red spruce, s	eks and trails observed. rea should only be operated on during the aced along Jacks Lake and the adjacent should be harvested from this area ASAP ed maple should be left to further develop	

Stand #:	4	Acres:	12.0		
		Stand Descri	ption		
Stand Origin:	Natural				
Stand Age Class:	Wetland				
Development Stage 1					
Species:	Fir	Black Spruce	Red Maple	Red Spruce	White Birch
Percentage of Species	60	15	10	5	5
Average Stand Height(feet):	30-40				Tamarack
Crown closure(%):	5-10				5
Est. Cords/acre:	0-5				
Comments:	Wetland area with	a small stream runni	ng through the mide	dle. Very stunted gro	owth for all softwo

Wetland area with a small stream running through the middle. Very stunted growth for all softwood trees and heavy mortality in white birch trees. A few dry islands with some 3"-6' immature balsam fir are scattered throughout but generally are found along the stand margins.



Stand #:	5	Acros	5 5		
	J	Stand Descrip	otion		
Stand Origin:	Wetland				
Stand Age Class:	Wetland				
Development Stage 1					
Species:	Black Spruce	Fir	Tamarack	White Birch	Red Spruce
Percentage of Species	65	20	10	< 5	< 5
Average Stand Height(feet):	20-30				
Crown closure(%):	5-10				
Est. Cords/acre:	5-10				
Comments:	Black spruce bog	area. Very stunted gr	owth for all softwoo	d trees and heavy i	mortality in the white
	birch trees. A few	dry islands with som	ne 3"-6" immature t	balsam fir are scatt	ered throughout but
	generally are found	d along the stand marg	jins.		

Woodlot Management Recommendations (continued)					
Understory					
Species:	Black Spruce	Fir	Red Spruce		
Percentage of Species	80	10	10		
Average Stand Height(feet):	5-15				
Stocking level(%):	30-40				
Density	Scattered Dense	Patches			
	Alders, bog laurel	, rhodora, blueberries	s, winterberry, wild ra	aisin, lambkill, bunchberry and sphagnum	
Non-commercial species:	moss.				
Comments:					
Topographic Conditions	1				
Aspect:	South Fast				
Slope (%):	0-5				
	Very Poor				
Terrain	Level				
Stand Health					
Insect Damage:	Present	Type/Extent:	Woolly Adelaid	Slight	
Animal Damage:	Not Present	Type/Extent:	, , , , , , , , , , , , , , , , , , , ,	5	
Wind throw	Present	Type/Extent:		Moderately Severe	
Ice Damage	Not Present	Type/Extent:			
Disease	Not Present	Type/Extent:			
Comments:	Very stunted tree	growth throughout. I	-leavy mortality in th	he black and red spruce, with many dead	
	standing stubs an	d thinning crowns ob	served.		
Wildlife					
Habitat suited for:	Rabbit	Porcupine	Moose	Deer	
Wildlife Observed					
Options to improve habitat:	None				
Comments:	Lots of rabbit trac	ks and a great sanctu	lary for deer.		
	1				
Environmental Concerns	VAS	Buffer required:	20 motoro		
	vca		30 0000		
Stream:	ves	Buffer required:	30 meters		
Municipal Boundary	yes	Buffer required: Name:	30 meters		
Municipal Boundary: Ground prone to rutting:	yes no yes	Buffer required: Name:	30 meters 30 meters		
Municipal Boundary: Ground prone to rutting: Comments:	yes no yes Very sensitive are	Buffer required: Name: a that should not hav	30 meters 30 meters re any forest manage	ement operations attempted in.	
Municipal Boundary: Ground prone to rutting: Comments:	yes no yes Very sensitive are	Buffer required: Name: a that should not hav	30 meters 30 meters	ement operations attempted in.	
Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation	yes no yes Very sensitive are	Buffer required: Name: a that should not hav	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type:	yes no yes Very sensitive are Leave to Provide	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years):	yes no yes Very sensitive are Leave to Provide ' n/a	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	yes no yes Very sensitive are Leave to Provide	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	yes no yes Very sensitive are Leave to Provide n/a	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	yes no yes Very sensitive are Leave to Provide ¹ n/a	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	yes no yes Very sensitive are Leave to Provide ' n/a	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	yes no yes Very sensitive are Leave to Provide n/a	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	yes no yes Very sensitive are Leave to Provide ' n/a	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	
Stream: Municipal Boundary: Ground prone to rutting: Comments: Stand Recommendation Type: Treatment Timing (years): Comments:	yes no yes Very sensitive are Leave to Provide n/a	Buffer required: Name: a that should not hav Wildlife Habitat	30 meters 30 meters	ement operations attempted in.	

Stand #:	6	Acres:	9.5		
		Stand Descri	ption		
Stand Origin:	Thinned Previously	/			
Stand Age Class:	Immature				
Development Stage 1]				
Species:	Fir	Red Spruce	White Birch	Red Maple	
Percentage of Species	50	10	15	5	
Average Stand Height(feet):	15-20				
Crown closure(%):	70-80				
Est. Cords/acre:	20-25				
Comments:	This was an even	-aged, softwood star	nd. The stand was	s previously pre-commerc	cially thinned in
	1999. The pre-co	ommercial thinning t	reatment has crea	ited a more productive	forest, as less

1999. The pre-commercial thinning treatment has created a more productive forest, as less competition has allowed the stand to gain more volume. There were some areas growing better then others, based on the soils and drainage levels. The better drained, richer soils, were producing taller, more productive trees. Small pockets of alders, and suppressed fir/spruce were located in the low lying, poorly drained areas. The stand averaged 6-7 inches at breast height.



Woo	dlot Manag	ement Recor	nmendation	s (continued)
Understory				
Species:	Black Spruce	Fir		
Percentage of Species	80	20		
Average Stand Height(inch):	1-5 feet			
Stocking level(%):	5-10			
Density	Light			
Non-commercial species:	Lambkill Labrado	r taa hluaharrias wil	d raisin snacklad a	Iders and mountain holly
Comments:	The advanced rec	eneration was suppr	a raisin, speckied a	iders, and mountain nony.
oonments.	The advanced reg			
Topographic Conditions				
Aspect:	Flat			
Slope (%):	0-5			
Drainage:	Moderate Drainag	е		
Terrain:	Level			
Stand Health				
Insect Damage:	Not Present	Type/Extent:	Woolly Adelgid	Slight
Animal Damage:	Not Present	Type/Extent:		-
Wind throw	Not Present	Type/Extent:		
Ice Damage	Not Present	Type/Extent:		
Disease	Present	Type/Extent:	Witches Broom	Slight
Comments:	The overall health	was good: however.	the quality of the s	pruce was much higher then the quality of
	the fir. The balsar	m fir was beginning to	show some signs	of decay in places.
		5 5 5	5	
Wildlife				
Habitat suited for:	Moose	Bear	Deer	
Wildlife Observed	n/a			
Options to improve habitat:	Leaving this stand	I to develop naturally	would help provide	cover, and maintain the riparian buffer.
Options to improve habitat.				
Comments:	Cover is an impor	tant component to wi	nter habitat.	
Environmental Concerns				
Wetland:	yes	Buffer required:	30 meters	
Stream:	ves	Buffer required:	30 meters	
Watershed Area:	no	Name:		
Municipal Boundary:	no	Name:		
Ground prone to ruttina:	yes			
Comments:	This stand was p	rone to rutting. and	should be consider	ed for a winter harvest only. A 30 meter
	riparian buffer is	required. Approxim	ately 30% of the b	asal area within the buffer zone may be
	harvested with pro	per environmental pe	ermits.	
Stand Recommendation				
Туре:	Commercial Thinr	ning		
Treatment Timing (years):	4-5			
Comments:	Some areas woul	d benefit from a com	mercial thinning tre	eatment in the next 1-3 years while other
Commonto.	areas should be	a sensed in the next	4-5 years Other	areas would not qualify for a commercial
	thinning treatmen	t due to the high de	ansity of halsam fir	and/or white birch. This was not a high
	nriority stand due	to the location and	amount of volum	and or write birdh. This was not a flight
	develop paturally	would benefit both the	a wildlife and enviro	ie to be removed. Leaving this stand to
	action naturally			

				ations	
Stand #	7	Acres	7.0		
Stariu #.	1	Stand Descri	otion		
Stand Origin:	A Clear-Cut in Past		<u></u>		
Stand Age Class:	Mature				
Development Stage 1					
Species:	Balsam Fir	White Birch	Red Maple	Red Spruce	Yellow Birch
Percentage of Species	40	30	10	10	5
Average Stand Height(feet):	40-50				
Crown closure(%):	40-50				
Est. Cords/acre:	10-15 Very similar to Story	d #2 only on a dry	couth fooing knoll	This area has been	doveloping overtime
	from being clearcut balsam fir patches of young to harvest in birch, 2"-4" were for mature red spruce, reaching heights of 7	~30-40 years ago. (6"-8" in diameter), the past. Several ir ound throughout as white birch and yell 70-80 feet.	The majority of the 40-50 feet tall and nmature patches of well. Scattered th ow birch with diame	e area is comprised running ~20 cord/a dense balsam fir, w proughout the stand eters of 16"-18" and	of immature-mature cre, which were too white birch and grey are residual large, with the red spruce

Woo	dlot Manag	gement Recon	nmendation	s (continued	d)
Understory]				
Species:	Fir	Red Spruce			
Percentage of Species	80	20			
Average Stand Height(inch):	1-5 feet				
Stocking level(%):	10-20				
Density	Scattered Dense	Patches			
Non-commercial species:	Alders, hazel bus	hes, ferns, mosses, b	unchberry and sars	aparilla.	
Comments:	In the dense bals	am fir areas, a thick	carpet of young ba	Isam fir seedlings	can be found along the
	stand margins, or	where trees have fall	en out of the stand.	. Very acidic groun	d.
Topographic Conditions					
Aspect:	South East				
Slope (%):	0-5				
Drainage:	Moderate Drainag	je			
Terrain:	Level				
Stand Health	J				
Insect Damage:	Present	Type/Extent:	Woolly Adelgid	Moderate	
Animal Damage:	Present	Type/Extent:	Deer	Very Slight	Chewed off trees
Wind throw	Present	Type/Extent:		Moderate	
Ice Damage	Not Present	Type/Extent:			
Disease	Not Present	Type/Extent:			
	Heavy mortality	was evident from ex	ktensive blowdown	s, dead standing,	broken off trees and
Comments:	thinning crowns to	ound throughout this a priorate, rapidly over th	area. Adeigid dama	age, neavy winds a	and old age has caused
	stunted, with croc	ked stems and heavy	limbs.		iu yellow blich are very
Wildlife]	····,			
Habitat suited for:	Deer	Ruffed Grouse	Squirrel	Rabbit	
Wildlife Observed	Squirrel		Oquiner	Rabbit	
Options to improve habitat:	None				
Comments:	Lots of squirrel, ra	abbit and a few deer tr	racks observed.		
Environmental Concerns	1				
Wetland:	no	Buffer required:			
Stream:	no	Buffer required:			
Watershed Area:	no	Name:			
Municipal Boundary:	no	Name:			
Ground prone to rutting:	yes				
Comments:	Some areas are f	fairly damp and poorly	/ drained. These a	rea should only be	operated on during the
	frozen winter mor	nths.		-	
Stand Recommendation)				
Type:	Harvest				
Treatment Timing (years):	1-3				
Comments:	This stand shoul	d be harvested to sa	alvage volume and	improve the over	all health of the stand.
	After the harves	sting is complete, the	e area should be	evaluated for a	potential reforestation
	treatment.				

		ranagement r	Ceconnicito	auons	
Otor d #		A 240-4	4.0		
Stand #:	ð	Acres: Stand Descrin	4.0	-	
Stand Origin:	A Clear-Cut in Past				
Stand Age Class:	Sapling	-			
Development Stage 1					
Species:	Red Maple	White Birch	Grey Birch	Yellow Birch	
Percentage of Species	50	30	10	5	
Average Stand Height(feet):	40-50				
Crown closure(%):	80-90				
Est. Cords/acre:	5-10				
	into a very thick, o grown from stump situated on a grave balsam fir were obs	dense stand with diar sprouts with genera elly knoll by the looks served.	neters in the 4"-6" ally 5-7 stems in e s of the slope (209	' range. Many of tr each clumps. This %) and topography.	ees in the area have stand appears to be A couple beech and

Woodlot Management Recommendations (continued)						
Understory						
Species:	n/a	n/a	n/a	n/a	n/a	
Percentage of Species	n/a	n/a	n/a	n/a	n/a	
Average Stand Height(feet):	n/a	n/a	n/a	n/a	n/a	
Stocking level(%):	n/a	n/a	n/a	n/a	n/a	
Density	n/a	n/a	n/a	n/a	n/a	
Non-commercial species:	Bunchberry, mos	ses, blueberries, ferns	, goldenrod and sars	aparilla.		
	No regeneration v	was observed.				
Comments:						
Topographic Conditions)					
Aspect	North Fast					
Slope (%):	15-20					
Drainage:	Moderate Drainad	P				
Terrain:	Hummockv					
Stand Health]					
Insect Damage:	Not Present	Type/Extent:				
Animal Damage:	Not Present	Type/Extent:				
Wind throw	Not Present	Type/Extent:				
Ice Damage	Not Present	Type/Extent:				
Disease	Not Present	Type/Extent:				
Comments:	The trees are cur	rently arowing well wit	h full healthy crowns	found throughout		
Wildlife		forming from the		iouna inougnoui.		
Habitat suited for:	Deer	Wood Pecker	Pabbit			
Wildlife Observed	Deel n/a	WOOU PECKEI	Rabbit			
Options to improve babitat:	n/a					
Commonte:	Great refuge area	for the local wildlife				
Comments.						
Environmental Concerns)					
Wetland:	no	Buffer required:				
Stream:	no	Buffer required:				
Watershed Area:	no	Name:				
Municipal Boundary:	no	Name:				
Ground prone to rutting:	no		1			
Comments:						
Stand Recommendation]					
Туре:	Harvest					
Treatment Timing (years):	20-22					
Comments:	I his stand is cui	rently doing well on	its own and simply	needs more time inc	crease in size and	

	Woodlot M	anagement R	lecommenda	tions	
Otor d #	0	A 2405-	24.0		
Stand #:	9	Acres:	24.0		
Stand Origin:	A Clear-Cut in Past	otana Desemp			
Stand Age Class:	Immature to Mature				
Development Stage 1	1				
Species:	Balsam Fir	Red Spruce	White Birch	Red Maple	Yellow Birch
Percentage of Species	70	10	10	5	< 5
Average Stand Height(feet):	40-50			Cedar	Trembling Aspen
Crown closure(%):	40-50			< 5	< 5
Est. Cords/acre:	10-15				
	from being clearcut balsam fir patches (young to harvest in t 1"-3" were found thro spruce, white birch heights of 70-80 feet the brook there we quickly.	~30-40 years ago. 6"-8" in diameter), 4 the past. Several impoughout as well. Sc and yellow birch wit and small brook was re some mature-ove	The majority of the 40-50 feet tall and r mature patches of c attered throughout t h diameters of 16"- observed along the ermature balsam fi	area is comprised unning ~20 cord/a lense balsam fir a he stand are resid .18" and with the northern boundar r 6"-10" and were	I of immature-mature acre, which were too nd a few white birch, ual large, mature red red spruce reaching ry of Stand 10. Along e starting to decline

Woo	dlot Manag	gement Recon	nmendations	s (continued	l)
Understory					
Species:	Fir	Red Spruce			
Percentage of Species	80	20			
Average Stand Height(inch):	1-5 feet				
Stocking level(%):	10-20				
Density	Scattered Dense	Patches			
Non-commercial species:	Winterberry, haze	l bushes, ferns, moss	es, bunchberry and	l sarsaparilla.	
Comments:	In the dense, dec	adent balsam fir areas	s, a dense carpet o	f young balsam fir	seedlings can be found
	along the stand m	argins, or where trees	s have fallen out of	the stand. Very aci	dic ground.
Topographic Conditions					
Aspect:	North East				
Slope (%):	0-5				
Drainage:	Moderate Drainag	е			
Terrain:	Level				
Stand Health	1				
Insect Damage:	Present	Type/Extent:	Woolly Adelgid	Moderate	
Animal Damage:	Present	Type/Extent:	Deer	Very Slight	Chewed off trees
Wind throw	Present	Type/Extent:		Moderate	
Ice Damage	Not Present	Type/Extent:			
Disease	Not Present	Type/Extent:			
Comments:	Heavy mortality	was evident from ex	tensive blowdown	s, dead standing,	broken off trees and
	thinning crowns to	ound throughout this a	area. Adelgid dama	age, heavy winds a	nd old age has caused
	stunted with croo	ked stems and heavy	limbs	ars. Most white an	d yellow blich are very
	Stantea, with croo	Red Sterns and neavy	111105.		
Wildlife			_		
Habitat suited for:	Deer	Ruffed Grouse	Squirrel	Rabbit	
Wildlife Observed	Squirrel				
Options to improve habitat:	None				
Comments:	Lots of squirrel, ra	abbit and a few deer tr	acks observed.		
Environmental Concerns					
Wetland:	no	Buffer required:	5		
Stream:	yes	Buffer required:	5M		
Watershed Area:	no	Name:			
iviunicipal Boundary:	no	Name:			
Ground prone to rutting:	yes		droing - These		operated an during of
	Some areas are t	ainy damp and poorly ths	urained. These al	ea shouid only be	operated on during the
Comments:					
Stand Recommendation					
Туре:	Harvest				
Treatment Timing (years):	1-3				
Comments:	This stand should	d be harvested to sa	alvage volume and	improve the overa	all health of the stand.
	After the harves	ting is complete, the	e area should be	evaluated for a	potential reforestation
	treatment.				

		Recommended Action Plan For Woodlot Owner Name	
Priority	Stand	Activity	Valid Until
1	n/a	Perform described boundary line work *	
2	1, 2, 3, 7, 8 & 9	Harvest	2018
3	6	Commercial Thinning *	2020
11	4 & 5	Leave to Provide Wildlife Habitat	n/a

* Stands which may qualify for assistance.

Commonly Used Forestry Terms

Afforestation The establishment of a tree crop on an area from which it has always or very long been absent, i.e.: fields, pits, etc.

Age Class A distinct group of trees or portion of growing stock recognized on the basis of age.

All-aged A forest, crop, or stand that contains trees of all, or almost all, age classes, including those of exploitable age.

Artificial Regeneration Renewal of a tree crop by direct seeding or by planting seedlings or cuttings.

Basal Area The basal area of a tree is the area in square meters (or feet) of the cross section at breast height of the stem.

The basal area of a forest, stand or forest type is the area in square meters (or feet) per hectare of the cross section at breast height of all the trees.

Bush-hogging/cutting The removal of undesirable woody plant species (bushes) from a site in preparation for afforestation.

Canopy The more or less continuous cover of branches and foliage collectively by the crowns of adjacent trees.

Chemical Weed Control Plantation tending performed by applying herbicides to kill competing vegetation.

Clear-cut Harvests The harvesting of all merchantable trees from an area of forest land.

Commercial Thinning A thinning which yields harvested trees of commercial size and value, which are removed from the site for commercial or consumptive purposes.

Coppice Method A method of regenerating a forest stand in which the cut trees produce sprouts or suckers.

Crop Tree Any tree selected to become or forming a component of the final crop.

Crop Tree Release The removal of trees from the dominant and co-dominant crown classes to favour the crown development of selected crop trees of those same crown classes.

Crown The part of a tree bearing live branches and foliage.

Crown Closure The assessment of the proportion of the ground covered by the forest canopy overhead; normally expressed as a percentage; 100% being completely closed in.

Development Cutting In the shelterwood system, cutting to free or release the established seedlings to develop rapidly in height and more rapidly than undesirable competitors.

Diameter at Breast Height (DBH) The stem diameter of a tree measured at breast height (1.3 m above ground level). Unless otherwise stated, applies to the outside bark dimension.

Diameter Limit Harvesting Removal of all merchantable trees above a specified minimum diameter, which in mixed stands may vary with species.

Page 2 – Commonly Used Forestry Terms

Direct Seeding The artificial systematic sowing of seeds by manual or mechanical means in an area on which a forest stand is to be raised.

Ecosystem The sum of the plants, animals, environmental influences, and their interaction within a particular habitat.

Epicormic Shoot A shoot arising from a dormant or adventitious bud on the stem or branch of a woody plant.

Establishment The process of developing a crop of seedlings to the stage at which the young trees may be considered established. i.e.: safe from normal browsing and no longer in need of special protection or special tending, but only routine cleaning, thinning and pruning.

Even-aged A forest stand or forest type in which relatively small age differences exist between individual trees. The differences in age permitted are usually 10 to 20 years, if the stand will not be harvested until it is 100 or 200 years old. Larger differences up to 25% of the rotation age may be allowed.

Even-aged Systems Silviculture systems in which stands have an even-aged structure.

Fill-Planting The planting of trees in naturally regenerated areas of 40% to 60% natural stocking to achieve the desired level of stocking; usually 90%.

Final Removal In the shelterwood system, the last removal cutting of the parent stand canopy often successful natural regeneration has established and is free to grow.

Fords A crossing located in a watercourse where the water is shallow enough to be travelled by a motor vehicle and where the banks and the bed of the channel are stable enough that use of the crossing will not result in any disturbance to the channel.

Full Planting The reforestation of a site of less than 40% natural stocking to achieve 90% stocking.

Group Selection Method A method of regenerating uneven-aged stands in which trees are removed in small groups.

Herbicide Any chemical preparation used to kill or inhibit the growth of forbs, grasses, woody plants, and their seeds.

Hy-grade Harvesting A partial harvest removing only the most valuable species or trees of desirable size and quality without regard for the condition of the residual stand.

Immature In even-aged management, those trees or stands that have grown past the regeneration stage but are not yet mature.

Indiscriminate Clear-cut Harvesting Clear-cut harvesting applied to an area of forest land in the absence of the consideration of the knowledge of silvics appropriate to the area.

Inter-Planting The up-grading of the stocking on a previously full-planted site to achieve 90% stocking.

Irregular Shelterwood System Harvest cutting in which opening of the canopy is irregular and gradual; generally in groups, with the final cutting often in strips; regeneration is natural; the regeneration interval is long, often up to half the rotation, and the resultant crop considerably uneven-aged and irregular.

Page 3 – Commonly Used Forestry Terms

Live-Crown Ratio A rough but convenient index of the ability of a tree's crown to nourish the remaining part of the tree; it is the percentage of length of stem having living branches.

Mature In even-aged management, those trees or stands that are sufficiently developed to be harvestable and that are at or near rotation age (includes over-mature trees and stands for which an over-mature class has not been recognized).

Mechanical Site Preparation The full or partial preparation of a site for afforestation by mechanical means as opposed to manual or chemical.

Merchantable Of a tree or stand that has attained sufficient size, quality and/or volume to make it suitable for harvesting. Does not imply accessibility, economic or otherwise

Mixed stand A stand composed of two or more species in which less than 30% of the trees in the main crown canopy are of a single species.

Mortality Death or destruction of forest trees as a result of competition, disease, insect damage, drought, wind, fire, old age, and other factors, excluding harvesting.

Mowing The removal of herbaceous vegetation by mechanical means from a site in preparation for afforestation.

Natural Regeneration A tree crop which has been renewed by natural seeding, sprouting, suckering or layering.

Old growth A stand of mature or over-mature trees relatively uninfluenced by human activity.

Over-mature In even-aged management, those trees or stands past the mature stage.

Partial Harvest Any harvest in which only part of the stand is harvested.

Plantation Cleaning A release treatment made in a plantation not past the sapling stage to free the favoured trees from less desirable species of the same age that over-top them or are likely to do so.

Plantation Tending The removal (manual, chemical, etc.) of competing vegetation from a recently established plantation for the purpose of achieving a "free-to-grow" state for the crop trees.

Pre-Commercial Thinning A thinning that does not yield trees of commercial size or value, usually designed to improve crop spacing (density) in stands of the regeneration to sapling development stage.

Prescribed Clear-cut Harvesting The application of the knowledge of silvics, in the determination of clear-cut harvesting as a silviculturally sound method to harvest an area of forest land.

Pre-scribed Harvesting Any harvest performed by following a written statement which is based upon the knowledge of silvics as applied to the site, usually defining the objectives to be attained and critical factors to be involved in aspects of the harvest.

Pruning The removal of live or dead branches from standing trees by natural or artificial means.

Reforestation The artificial regeneration of a site from which a forest stand has been removed, typically in a "cut-over" state.

Page 4 – Commonly Used Forestry Terms

Regeneration Cut Any removal of trees intended to assist regeneration already present or to make regeneration possible.

Release Cutting Freeing a group of trees from more immediate competition by cutting or otherwise eliminating growth that is over-topping or closely surrounding them.

Residual Removal The removal of established residual trees from a previously disturbed site, where they would hinder the development of a new crop of natural or artificial regeneration; crown closure is usually less than 25%.

Rotation The time period from the regeneration of crop trees through to harvestable timber

Salvage Cutting The harvesting of trees that are dead, dying, or deteriorating (e.g.: because of overmaturity or materially damaged by fire, wind, insects, fungi or other injurious agencies) before their timber value becomes worthless.

Sanitation Cutting The removal of dead, damaged, or susceptible trees, essentially to prevent the spread of pests or pathogens and so to promote forest hygiene.

Sapling A loose term for a young tree no longer a seedling but not yet a pole, about 1-2 m high and 2-4 cm in dbh, typically growing vigorously and without dead bark or more than occasional dead branches. Also, a young tree having a diameter at breast height greater than 1 cm but less than the smallest merchantable diameter.

Scarification Breaking up the forest floor in preparation for artificial regeneration, natural seeding or the occurrence of coppice or sucker growth.

Seed Cutting In the shelterwood system, usually the first cutting to encourage the development of thrifty seed bearers and to open up enough vacant growing space in a single operation to allow the establishment of regeneration.

Seed Tree Method A method of regenerating a forest stand in which all trees are removed from an area except for a small number of seed-bearing trees that are left singly or in small groups. The objective is to create an even-aged stand.

Selection Harvesting Periodic cutting of trees chosen individually or by groups, in order to recover the yield and develop or maintain a balanced un-even aged stand structure, while providing the cultural measures required for tree growth and seedling establishment. The cuts are usually a mix of regeneration cuts and stand development cuts and will provide the opportunity for regular entries without ever clear cutting the stand.

Self-pruning The inherent ability of a tree species to shed dead branches at their junction with the live stem.

Semi-Commercial Thinning A thinning that yields trees of both commercial and non-commercial size or value, usually designed to improve crop spacing and crown development, in stands of the sapling to young development stage.

Shade Tolerance The relative capacity of a species to become established and persist under a canopy.

Shelterwood Cut Any regeneration cutting in a more or less regular and mature crop, designed to establish a new crop under the protection (overhead or side) of the old, as typically in shelterwood systems, or where the resultant crop will be more or less regular.

Page 5 – Commonly Used Forestry Terms

Silviculture The application of the knowledge of silvics in the continuous cycle of stand establishment, development, harvesting, establishment ..., to meet the needs and values of landowners and society on a sustainable basis.

Site Preparation The preparation of sites for afforestation, including the removal of undesirable vegetation, and preparation or provision of top soil, as necessary.

Slash The residue left on the ground after felling and tending and/or accumulating there as a result of storm, fire, girdling or poisening

Snag A standing dead tree from which the leaves and most of the branches have fallen.

Spacing The distance between trees in a plantation, a thinned stand, or a natural stand.

Stand A community of trees possessing sufficient uniformity in composition, age, arrangement, or condition to be distinguishable from the forest or other growth on adjoining areas.

Stand Development Any treatment in a stand during that portion of the rotation not included in the stand harvest (final) or establishment periods. The primary objective of the group of treatments is to improve stand volume, quality and/or piece size for the future.

Stand Establishment The process of developing a crop (forest stand) to the stage at which the young trees may be considered established, i.e.: safe from normal browsing and no longer in need of special protection or special tending, but only routing cleaning, thinning and pruning.

Stocking A qualitative expression of the adequacy of tree cover on an area, in terms of crown closure, number of trees, basal area, or volume, in relation to a pre-established norm. In this context, "tree cover" includes seedlings and saplings; hence, the concept carries no connotation of a particular age. Stocking may be described in regionally or locally developed classes, or as a percentage of regional or local normal standards, which vary according to site-specific conditions.

Strip Clear Cutting Removal of the crop in strips in one or more operations, generally for protecting fragile sites, or visually apparent view scapes.

Strip Shelterwood System A shelterwood system in which regeneration cuttings are carried out on fairly narrow strips, generally against the prevailing wind, and progress rapidly; regeneration is mainly natural, the regeneration interval is short, and the resultant crop fairly even-aged and regular.

Sustainable Forestry Management of forested area in order to provide wood products in perpetuity, soil and watershed integrity, persistence of most native species and maintenance of highly sensitive species or suitable conditions for continued evolution of species.

Thicket A dense growth of small trees or bushes.

Two Pass Harvesting The cutting of an even-aged stand in two distinct harvesting interventions of variable intervals, usually to remove the shorter lived, intolerant species and to allow the longer rotation species to be harvested in the second intervention, thereby capturing potential morality in the interim.

Two-Storied Stand A forest stand in which two height classes of considerable difference occur, the overstory and understory. The term is not applicable to a forest in process of reproduction, in which the appearance of two stories is due to a seed tree or shelterwood cut before final cut.

Under-Planting The planting of young trees under the canopy of an existing stand.

Page 6 – Commonly Used Forestry Terms

Uneven-aged A stand which contains three or more well-defined age classes of trees intermingling on the same area.

Uneven-aged Systems A silviculture system in which stands have an un-even aged structure of 3 or more age classes.

Uniform Selection Method Is a method of selection harvesting in which trees are removed more or less uniformly throughout the stand. This treatment is aimed at the creation or maintenance of balanced uneven-aged (3 or more age classes) stands which will provide the opportunity for regular entries, without ever clearcutting the stand.

Uniform Shelterwood System A shelterwood system in which the canopy is opened fairly evenly throughout the regeneration area; regeneration is mainly natural, though it may be supplemented artificially; the regeneration interval is fairly short and the resultant crop more or less even-aged and regular.

Variable Thinning The removal of trees to control stand spacing and favour desired trees using a combination of thinning criteria/methods without regard to crown position.

WOOD MEASUREMENT CONVERSION FACTORS

Notes on Units:

- λ One GMT (green metric tonnes with bark on)
- λ M3 (cubic meters, solid wood, no bark)
- λ STM3 (stacked cubic meter, no bark)
- λ Cunit (solid wood, no bark)
- λ Cord (with bark on)
- λ ODMT (oven dry metric tonne, solid wood, no bark)
- λ MFBM (1,000 foot board measure, solid wood, no bark)

SOFTWOOD											
UNITS	GMT	M3	STM3	CUNITS	CORDS	ODMT	MFBM				
ONE GMT	1.00	1.16	1.99	.41	.55	.41	190				
M3	.87	1.00	1.72	.35	.47	.35	164				
STM3	.51	.58	1.00	.21	.28	.21	84				
CUNIT	2.45	2.83	4.88	1.00	1.33	.99	464				
CORD	1.84	2.12	3.62	.75	1.00	.74	348				
ODMT	2.47	2.87	4.92	.99	1.32	1.00	471				
MFBM	5.26	6.10	11.98	2.16	2.87	2.12	1,000				

HARDWOOD OR BIRCH

UNITS	GMT	M3	STM3	CUNITS	CORDS	ODMT	MFBM
ONE GMT	1.00	.95	1.89	.34	.52	.53	171
M3	1.04	1.00	1.97	.35	.54	.55	179
STM3	.53	.51	1.00	.18	.28	.28	91
CUNIT	2.95	2.83	5.57	1.00	1.54	1.56	505
CORD	1.92	1.84	3.62	.65	1.00	1.01	329
ODMT	1.90	1.82	3.59	.65	.99	1.00	325
MFBM	5.85	5.61	11.05	1.99	3.04	3.10	1,000

POPLAR

UNITS	GMT	M3	STM3	CUNITS	CORDS	ODMT
ONE GMT	1.00	1.03	1.69	.37	.46	.41
M3	.97	1.00	1.64	.35	.44	.39
STM3	.59	.61	1.00	.22	.28	.24
CUNIT	2.74	2.83	4.57	1.00	1.25	1.11
CORD	2.19	2.26	3.62	.80	1.00	.89
ODMT	2.47	2.54	4.12	.90	1.13	1.00

USEFUL CONVERSIONS

Area – Imperial UnitsMetric Equivalents		Ratios – Imperial UnitsMetric Equivalents			
1 acre	0.404686 ha	1 cord per acre 8.9	5647 m ³ (stacked)/ha		
2.47105 acres	1 ha	1 cubic foot per acre 0.0	699725 m ³ /ha		
1 square foot	0.0929030 m^2	1 square foot per acre 0.2	29568 m²/ha		
1 square inch	6.4516 cm^2	1 ton (2000) per acre 2.2	34170 t/ha		
1 square mile	2.58999 km^2	1 miles per gallon 0.3	54006 km/L		
1 square yard	0.836127 m^2				
Length – Imperial Units 1 chain (66 ft) 1 foot DBH (4.5 ft) 1 inch 1 mile 1 yard	Metric Equivalents 20.1168 m 0.3048 m 1.3 m 2.54 cm 1.60934 km 0.9144 m	Volume – Imperial units 1 cord (128 stacked ft ³) 1 cubic yard 1 board foot 1,000 foot board measure (fbm 1,000 foot board measure (fbm 1 gallon	Metric Equivalents 3.62456 m ³ 0.764555 m ³ 0.0024 m ³ h) 195 ft ³ h) 4.4 m ³ 4.54609 L		

CONVERSION FACTORS FOR ROUNDWOOD

	Multiplied By	Softwood	Cedar	White Pine	Hardwood	
m.f.b.m.		6.1	6.1	6.1	6.1	$= m^3$
m^3 st		0.5836*	0.5625*	-	0.5078*	$= m^3$
Cord		2.11526*	2.03881*	-	1.84055*	$= m^3$
Cunit		2.83168	2.83166	2.83168	2.83168	$= m^3$

* 2.44 m Rough Pulpwood

CONVERSION FACTORS FOR SAWMILL RESIDUE

	Multiplied By	Softwood	Poplar	Hardwood		
Bone Dry Tons (BDT)		2.593	2.310	1.6837	$= m^3$	
Green Tons (GT)		1.297	1.155	0.818	$= m^3$	
Bone Dry Tonnes (BDt)		2.860	2.546	1.804	$= m^3$	
Green Tonnes (Gt)		1.430	1.274	0.903	$= m^3$	
NOTE: Oven Dry is Same as Bone Dry						