

Goshen Town Forest
Property
Forest Management Plan 2022

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Purpose:

This report provides current timber data on a large tract of land owned by the Town of Goshen on South Hill Road in Goshen, VT. The information contained in this report will allow the town's forest board to develop a forest management plan including a timber harvest schedule, possible sugarbush tapping leases and other forest uses. The last complete cruise and management plan was conducted in 2005.

The South Hill Goshen Town Forest is comprised of 1125 GIS calculated acres. (town grand list may vary) It is a remote property accessible from South Hill road, over an unmaintained class 4 road, by four wheel drive high clearance vehicles. The property is surrounded by private land and USFS land. Public parking at the edge of the property is limited. The forest is open to hiking and hunting. ATV/UTV use is currently not allowed but is occurring.

Methods:

Mapping and acreage calculations were done with ArcGIS (a geographic information system). The timber inventory was conducted during the summers of 2021 (north side of Basin Brook) and 2022 (south side) by Hutchison Forestry, Inc. of Leicester, VT. 160 data collection points were systematically located throughout the property (one plot for every 7 acres). 10-factor prism plots and 1/1000th acre regeneration plots were taken at each of the 160 data points. Species, diameter and merchantable height of sawlogs was collected for each tree on the plot. Trees were categorized as AGS or UGS (Acceptable or Unacceptable Growing Stock). Data collection and processing was done using Forest Metrics, an iPad/excel forest inventory program.

Stand numbers and delineation are based on previous mapping and current timber type. Some slight modifications occurred.

Stand 2 (north of Basin Brook)

Forest type: Northern hardwoods

Size: 7.6 acres

Basal area: 95 sq.ft./acre

TPA: 142

Stand age: 66

QMD: 11.1”

History: 1984 light harvest.

Stand Stocking board feet per acre

Product	Species	DBH (inches)				Stand Total
		12	14	16	20	
2 Sawlog	RM red maple	353.9	361.9	516.2	-	1,232.1
	WA white ash	217.4	718.8	-	-	936.1
	SM sugar maple	-	723.9	-	-	723.9
	YB yellow birch	-	-	-	391.1	391.1
	BE beech	-	-	-	-	-
	2 Sawlog Total		571.3	1,804.6	516.2	391.1

Stand composition

BA Species	Tree Status		Stand Total
	AGS	UGS	
RM red maple	21.05%	15.79%	36.84%
SM sugar maple	21.05%	5.26%	26.32%
WA white ash	15.79%	5.26%	21.05%
BE beech	0.00%	10.53%	10.53%
YB yellow birch	5.26%	0.00%	5.26%
Stand Total	63.16%	36.84%	100.00%

Basal area per acre by species and diameter

BA											
Tree Status	Species	DBH (inches)									Stand Total
		6	8	10	12	14	16	18	20		
AGS	RM red maple	-	-	-	10.0	5.0	5.0	-	-	20.0	
	SM sugar maple	-	5.0	-	5.0	10.0	-	-	-	20.0	
	WA white ash	-	-	5.0	5.0	5.0	-	-	-	15.0	
	YB yellow birch	-	-	-	-	-	-	-	5.0	5.0	
AGS Total		-	5.0	5.0	20.0	20.0	5.0	-	5.0	60.0	
UGS	RM red maple	-	-	-	5.0	-	10.0	-	-	15.0	
	BE beech	5.0	-	-	5.0	-	-	-	-	10.0	
	WA white ash	-	5.0	-	-	-	-	-	-	5.0	
	SM sugar maple	-	-	5.0	-	-	-	-	-	5.0	
UGS Total		5.0	5.0	5.0	10.0	-	10.0	-	-	35.0	
Stand Total		5.0	10.0	10.0	30.0	20.0	15.0	-	5.0	95.0	

Trees per acre by species and diameter

TPA											
Tree Status	Species	DBH (inches)									Stand Total
		6	8	10	12	14	16	18	20		
AGS	SM sugar maple	-	14	-	6	9	-	-	-	30	
	RM red maple	-	-	-	13	5	4	-	-	21	
	WA white ash	-	-	9	6	5	-	-	-	20	
	YB yellow birch	-	-	-	-	-	-	-	2	2	
AGS Total		-	14	9	25	19	4	-	2	74	
UGS	BE beech	25	-	-	6	-	-	-	-	32	
	WA white ash	-	14	-	-	-	-	-	-	14	
	RM red maple	-	-	-	6	-	7	-	-	14	
	SM sugar maple	-	-	9	-	-	-	-	-	9	
UGS Total		25	14	9	13	-	7	-	-	69	
Stand Total		25	29	18	38	19	11	-	2	142	

Regeneration (trees/acre):

Species	seedling	sapling
Yellow birch	500	500

Stand 4

Forest type: Northern hardwood, red maple

Size: 42.8 acres

Basal area: 122

TPA: 165

Stand age: Uneven-age

QMD: 11.0"

History: 1984 timber harvest.

Stand Stocking board feet per acre

Sum of Volume		DBH (inches)									Stand Total
Product	Species	12	14	16	18	20	22	24	26		
2 Sawlog	WA white ash	-	165.5	877.4	258.9	492.0	505.2	184.9	-	2,483.9	
	SM sugar maple	72.5	451.6	339.9	649.2	310.2	-	184.9	-	2,008.3	
	RM red maple	72.5	696.4	-	127.3	-	133.4	184.9	135.7	1,350.3	
	BC black cherry	-	120.6	125.8	-	179.8	-	-	-	426.3	
	AS Aspen	-	-	-	127.3	-	-	-	-	127.3	
	BE beech	-	120.6	-	-	-	-	-	-	120.6	
2 Sawlog Total		144.9	1,554.8	1,343.1	1,162.7	982.0	638.6	554.8	135.7	6,516.8	

Stand composition

BA Species	Tree Status		Stand Total
	AGS	UGS	
SM sugar maple	36.99%	0.00%	36.99%
RM red maple	21.92%	4.11%	26.03%
WA white ash	17.81%	1.37%	19.18%
BE beech	1.37%	5.48%	6.85%
BC black cherry	5.48%	1.37%	6.85%
AS Aspen	1.37%	0.00%	1.37%
YB yellow birch	1.37%	0.00%	1.37%
WB white birch	1.37%	0.00%	1.37%
Stand Total	87.67%	12.33%	100.00%

Basal area per acre by species and diameter

BA		DBH (inches)												Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	Stand Total	
AGS	SM sugar maple	6.7	3.3	-	15.0	5.0	3.3	6.7	3.3	-	1.7	-	45.0	
	RM red maple	1.7	-	1.7	10.0	6.7	-	1.7	-	1.7	1.7	1.7	26.7	
	WA white ash	-	-	3.3	-	1.7	6.7	1.7	3.3	3.3	1.7	-	21.7	
	BC black cherry	-	-	1.7	-	1.7	1.7	-	1.7	-	-	-	6.7	
	YB yellow birch	1.7	-	-	-	-	-	-	-	-	-	-	1.7	
	WB white birch	-	1.7	-	-	-	-	-	-	-	-	-	1.7	
	BE beech	-	-	-	-	1.7	-	-	-	-	-	-	1.7	
	AS Aspen	-	-	-	-	-	-	1.7	-	-	-	-	1.7	
AGS Total		10.0	5.0	6.7	25.0	16.7	11.7	11.7	8.3	5.0	5.0	1.7	106.7	
UGS	BE beech	-	-	1.7	1.7	-	3.3	-	-	-	-	-	6.7	
	RM red maple	-	-	-	1.7	1.7	1.7	-	-	-	-	-	5.0	
	WA white ash	-	-	-	1.7	-	-	-	-	-	-	-	1.7	
	BC black cherry	-	-	1.7	-	-	-	-	-	-	-	-	1.7	
UGS Total			3.3	5.0	1.7	5.0							15.0	
Stand Total		10.0	5.0	10.0	30.0	18.3	16.7	11.7	8.3	5.0	5.0	1.7	121.7	

Trees per acre by species and diameter

TPA		DBH (inches)												Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	Stand Total	
AGS	SM sugar maple	34	10	-	19	5	2	4	2	-	1	-	75	
	RM red maple	8	-	3	13	6	-	1	-	1	1	0	33	
	WA white ash	-	-	6	-	2	5	1	2	1	1	-	17	
	YB yellow birch	8	-	-	-	-	-	-	-	-	-	-	8	
	BC black cherry	-	-	3	-	2	1	-	1	-	-	-	7	
	WB white birch	-	5	-	-	-	-	-	-	-	-	-	5	
	BE beech	-	-	-	-	2	-	-	-	-	-	-	2	
	AS Aspen	-	-	-	-	-	-	1	-	-	-	-	1	
	AGS Total	51	14	12	32	16	8	7	4	2	2	2	0	148
UGS	BE beech	-	-	3	2	-	2	-	-	-	-	-	8	
	RM red maple	-	-	-	2	2	1	-	-	-	-	-	5	
	BC black cherry	-	-	3	-	-	-	-	-	-	-	-	3	
	WA white ash	-	-	-	2	-	-	-	-	-	-	-	2	
UGS Total			6	6	2	4							18	
Stand Total	51	14	18	38	17	12	7	4	2	2	2	0	165	

Regeneration (trees/acre):

Species	seedling	sapling
Beech	500	0
Sugar maple	166	0

Stand 9

Forest type: Red oak Northern Hardwoods

Size: 164.8 acres

Basal area: 113

TPA: 136

Stand age: Uneven-age

QMD: 12.4"

History: No recent activity

Stand Stocking board feet per acre

Sum of Volume		DBH (inches)										Stand Total
Product	Species	12	14	16	18	20	22	24	26	28		
2 Sawlog	RO red oak	123.0	186.6	495.6	588.7	655.4	1,044.4	742.9	374.9	33.1	4,244.6	
	SM sugar maple	217.8	313.2	362.6	120.2	151.3	87.5	44.4	-	45.4	1,342.3	
	RM red maple	56.6	340.9	380.7	84.2	108.1	-	-	-	-	970.5	
	AS Aspen	-	-	111.8	105.2	226.2	-	76.1	-	-	519.3	
	WA white ash	-	39.7	162.2	-	54.1	150.6	-	78.0	-	484.6	
	WB white birch	-	197.3	41.3	52.6	-	-	-	-	-	291.2	
	BE beech	28.3	57.9	-	42.1	31.3	-	-	-	-	159.6	
	YB yellow birch	84.9	16.9	41.3	-	-	-	-	-	-	143.2	
	WP white pine	-	-	-	-	-	-	-	-	-	-	
	BAS basswood	-	-	-	-	-	-	-	-	-	-	
2 Sawlog Total		510.7	1,152.5	1,595.6	993.0	1,226.4	1,282.5	863.4	452.8	78.5	8,155.4	

Stand composition

BA Species	Tree Status		Stand Total
	AGS	UGS	
RO red oak	31.45%	0.00%	31.45%
SM sugar maple	16.61%	0.71%	17.31%
BE beech	2.83%	13.43%	16.25%
RM red maple	13.78%	1.77%	15.55%
YB yellow birch	5.30%	1.06%	6.36%
WA white ash	3.53%	0.35%	3.89%
AS Aspen	3.53%	0.35%	3.89%
WB white birch	3.53%	0.00%	3.53%
MI miscellaneous	0.71%	0.00%	0.71%
WP white pine	0.00%	0.35%	0.35%
BAS basswood	0.00%	0.35%	0.35%
HO hornbeam	0.00%	0.35%	0.35%
Stand Total	81.27%	18.73%	100.00%

Basal area per acre by species and diameter

BA		DBH (inches)														Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	30	36	Stand Total
AGS	RO red oak	-	0.4	0.8	2.0	2.0	4.4	4.4	5.2	6.8	5.6	2.8	0.8	-	0.4	35.6
	SM sugar mapl	-	1.2	0.8	5.6	3.6	3.2	1.6	1.2	0.8	0.4	-	0.4	-	-	18.8
	RM red maple	0.8	0.4	1.6	3.6	4.0	3.6	0.8	0.8	-	-	-	-	-	-	15.6
	YB yellow birch	2.0	0.4	0.8	2.0	0.4	0.4	-	-	-	-	-	-	-	-	6.0
	WA white ash	-	-	-	0.8	0.4	1.2	-	-	-	-	-	-	-	-	4.0
	WB white birch	-	0.4	-	0.8	2.0	0.4	0.4	-	0.8	-	0.4	-	-	-	4.0
	AS Aspen	-	-	-	-	-	1.2	0.8	1.6	-	0.4	-	-	-	-	4.0
	BE beech	0.8	-	-	0.8	0.8	-	0.4	0.4	-	-	-	-	-	-	3.2
	MI miscellanec	0.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	0.8
	AGS Total		4.0	3.2	4.0	15.6	13.2	14.4	8.4	9.6	8.4	6.4	3.2	1.2	-	0.4
UGS	BE beech	3.2	1.6	3.2	2.8	2.4	0.8	-	1.2	-	-	-	-	-	-	15.2
	RM red maple	-	-	-	-	1.2	0.4	-	-	0.4	-	-	-	-	-	2.0
	YB yellow birch	-	-	-	-	0.8	-	-	0.4	-	-	-	-	-	-	1.2
	SM sugar mapl	0.4	-	0.4	-	-	-	-	-	-	-	-	-	-	-	0.8
	WP white pine	-	-	-	-	-	-	-	-	-	0.4	-	-	-	-	0.4
	AS Aspen	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	0.4
	HO hornbeam	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	0.4
	BAS basswood	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	0.4
	WA white ash	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	0.4
	UGS Total		3.6	1.6	4.0	2.8	4.4	2.0	0.4	1.6	0.4	0.4	-	-	-	-
Stand Total		7.6	4.8	8.0	18.4	17.6	16.4	8.8	11.2	8.8	6.8	3.2	1.2	-	0.4	113.2

Trees per Acre by Species and Diameter

TPA		DBH (inches)														Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	30	36	Stand Total
AGS	RO red oak	-	1	1	3	2	3	2	2	3	2	1	0	-	0	20
	RM red maple	4	1	3	5	4	3	0	0	-	-	-	-	-	-	20
	SM sugar mapl	-	3	1	7	3	2	1	1	0	0	-	0	-	-	20
	YB yellow birch	10	1	1	3	0	0	-	-	-	-	-	-	-	-	16
	BE beech	4	-	-	1	1	-	0	0	-	-	-	-	-	-	6
	WB white birch	-	1	-	1	2	0	0	-	-	-	-	-	-	-	5
	MI miscellanec	2	1	-	-	0	-	-	-	-	-	-	-	-	-	3
	WA white ash	-	-	-	1	0	1	0	0	0	-	0	-	-	-	3
	AS Aspen	-	-	-	-	-	1	0	1	-	0	-	-	-	-	2
	AGS Total		20	9	7	20	12	10	5	4	3	2	1	0	-	0
UGS	BE beech	16	5	6	4	2	1	-	1	-	-	-	-	-	-	34
	SM sugar mapl	2	-	1	-	-	-	-	-	-	-	-	-	-	-	3
	RM red maple	-	-	-	-	1	0	-	0	-	-	-	-	-	-	2
	YB yellow birch	-	-	-	-	1	-	-	0	-	-	-	-	-	-	1
	HO hornbeam	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	WA white ash	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0
	AS Aspen	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0
	BAS basswood	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
	WP white pine	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
	UGS Total		18	5	7	4	4	1	0	1	0	0	-	-	-	-
Stand Total		39	14	15	23	16	12	5	5	3	2	1	0	-	0	136

Regeneration (trees/acre):

Species	seedling	sapling
Beech	680	240
Sugar maple	280	40
Aspen	40	0
Red oak	40	0
Spruce	0	40
Ash	40	40

Stand 10

Forest type: Sugar maple

Size: 17.7 acres

Basal area: 107

TPA: 74

Stand age: 96

QMD: 16.3"

History: No logging activity

Stand Stocking board feet by Acre

Sum of Volume		DBH (inches)							Stand Total
Product	Species	12	14	16	18	20	22	24	
2 Sawlog	SM sugar maple	236.0	410.3	2,635.3	2,964.6	1,244.7	462.0	369.9	8,322.6
	WA white ash	-	479.2	-	-	-	-	634.2	1,113.4
	RM red maple	-	-	428.2	-	-	158.1	-	586.3
	WB white birch	-	-	-	-	-	-	-	-
	BE beech	-	-	-	-	-	-	-	-
2 Sawlog Total		236.0	889.4	3,063.5	2,964.6	1,244.7	620.1	1,004.1	10,022.3

Stand Composition

BA Species	Tree Status		Stand Total
	AGS	UGS	
SM sugar maple	75.00%	3.13%	78.13%
WA white ash	9.38%	0.00%	9.38%
RM red maple	6.25%	0.00%	6.25%
WB white birch	0.00%	3.13%	3.13%
BE beech	0.00%	3.13%	3.13%
Stand Total	90.63%	9.38%	100.00%

Basal Area per Acre by Species and Diameter

BA											
Tree Status	Species	DBH (inches)									Stand Total
		10	12	14	16	18	20	22	24		
AGS	SM sugar maple	3.3	6.7	3.3	26.7	23.3	10.0	3.3	3.3	80.0	
	WA white ash	-	-	6.7	-	-	-	-	3.3	10.0	
	RM red maple	-	-	-	3.3	-	-	3.3	-	6.7	
AGS Total		3.3	6.7	10.0	30.0	23.3	10.0	6.7	6.7	96.7	
UGS	BE beech	-	-	-	3.3	-	-	-	-	3.3	
	WB white birch	-	-	-	-	-	-	-	3.3	3.3	
	SM sugar maple	-	-	-	3.3	-	-	-	-	3.3	
UGS Total		-	-	-	6.7	-	-	-	3.3	10.0	
Stand Total		3.3	6.7	10.0	36.7	23.3	10.0	6.7	10.0	106.7	

Trees per Acre by Species and Diameter

TPA												
Tree Status	Species	DBH (inches)										Stand Total
		6	8	10	12	14	16	18	20	22	24	
AGS	SM sugar maple	-	-	6	8	3	19	13	5	1	1	57
	WA white ash	-	-	-	-	6	-	-	-	-	1	7
	RM red maple	-	-	-	-	-	2	-	-	1	-	4
AGS Total		-	-	6	8	9	21	13	5	3	2	68
UGS	BE beech	-	-	-	-	-	2	-	-	-	-	2
	SM sugar maple	-	-	-	-	-	2	-	-	-	-	2
	WB white birch	-	-	-	-	-	-	-	-	-	1	1
UGS Total		-	-	-	-	-	5	-	-	-	1	6
Stand Total		-	-	6	8	9	26	13	5	3	3	74

Regeneration (trees/acre):

Species	seedling	sapling
Beech	666	0
Sugar maple	666	0

Stand 12

Forest type: Beech (Mountaintop)

Size: 31.0 acres

Basal area: 95

TPA: 221

Stand age: uneven aged

QMD: 8.9"

History: Low site index beech area, not suitable for timber harvesting

Stand Stocking board feet per Acre

Sum of Volume		DBH (inches)			
Product	Species	12	14	16	Stand Total
2 Sawlog	RM red maple	177.0	354.1	188.7	719.8
	SM sugar maple	-	-	321.1	321.1
	BC black cherry	-	-	321.1	321.1
	WB white birch	238.1	-	-	238.1
	RS red spruce	177.0	-	-	177.0
	RO red oak	177.0	-	-	177.0
	BE beech	-	-	-	-
	2 Sawlog Total		769.0	354.1	831.0

Stand Composition

BA		Tree Status		Stand Total
Species	AGS	UGS		
BE beech	0.00%	55.26%		55.26%
RM red maple	23.68%	2.63%		26.32%
RS red spruce	5.26%	0.00%		5.26%
SM sugar maple	2.63%	0.00%		2.63%
WA white ash	2.63%	0.00%		2.63%
WB white birch	2.63%	0.00%		2.63%
BC black cherry	2.63%	0.00%		2.63%
RO red oak	2.63%	0.00%		2.63%
Stand Total	42.11%	57.89%		100.00%

Basal Area by Species and Diameter

BA								
Tree Status	Species	DBH (inches)						Stand Total
		6	8	10	12	14	16	
AGS	RM red maple	-	10.0	2.5	2.5	5.0	2.5	22.5
	RS red spruce	2.5	-	-	2.5	-	-	5.0
	WA white ash	-	-	2.5	-	-	-	2.5
	RO red oak	-	-	-	2.5	-	-	2.5
	WB white birch	-	-	-	2.5	-	-	2.5
	BC black cherry	-	-	-	-	-	2.5	2.5
	SM sugar maple	-	-	-	-	-	2.5	2.5
AGS Total		2.5	10.0	5.0	10.0	5.0	7.5	40.0
UGS	BE beech	12.5	15.0	15.0	7.5	2.5	-	52.5
	RM red maple	-	-	-	-	-	2.5	2.5
UGS Total		12.5	15.0	15.0	7.5	2.5	2.5	55.0
Stand Total		15.0	25.0	20.0	17.5	7.5	10.0	95.0

Trees per Acre by Species and Diameter

TPA								
Tree Status	Species	DBH (inches)						Stand Total
		6	8	10	12	14	16	
AGS	RM red maple	-	29	5	3	5	2	43
	RS red spruce	13	-	-	3	-	-	16
	WA white ash	-	-	5	-	-	-	5
	RO red oak	-	-	-	3	-	-	3
	WB white birch	-	-	-	3	-	-	3
	BC black cherry	-	-	-	-	-	2	2
	SM sugar maple	-	-	-	-	-	2	2
AGS Total		13	29	9	13	5	5	73
UGS	BE beech	64	43	28	10	2	-	146
	RM red maple	-	-	-	-	-	2	2
UGS Total		64	43	28	10	2	2	148
Stand Total		76	72	37	22	7	7	221

Regeneration (trees/acre):

Species	seedling	sapling
Beech	1000	0
Cherry	500	0

Stand 13

Forest type: Red Oak Northern Hardwoods

Size: 130.6 acres

Basal area: 91

TPA: 138

Stand age: 86

QMD: 11.0"

History: 1992 Patch clearcuts and selection harvests in buffers

Stand Stocking board feet by Acre

Sum of Volume		DBH (inches)										Stand Total
Product	Species	12	14	16	18	20	22	24	26	28	30	
2 Sawlog	SM sugar maple	263.1	586.1	822.8	299.9	178.5	215.4	-	-	-	-	2,365.7
	RO red oak	-	136.8	426.7	315.9	223.9	471.5	262.0	188.5	94.4	80.0	2,199.7
	RM red maple	118.0	120.6	-	159.4	43.5	-	77.5	-	-	-	519.0
	WA white ash	52.9	89.6	-	98.1	101.3	-	77.5	-	-	-	419.5
	WB white birch	-	95.4	214.1	-	-	-	-	-	-	-	309.5
	BE beech	-	55.2	-	-	-	-	-	-	-	-	55.2
	AS Aspen	-	-	-	-	-	-	-	-	-	-	-
	HO hornbeam	-	-	-	-	-	-	-	-	-	-	-
	BAS basswood	-	-	-	-	-	-	-	-	-	-	-
2 Sawlog Total		434.0	1,083.6	1,463.6	873.3	547.2	686.8	417.1	188.5	94.4	80.0	5,868.5

Stand Composition

BA Species	Tree Status		Stand Total
	AGS	UGS	
SM sugar maple	30.49%	1.22%	31.71%
BE beech	4.27%	17.07%	21.34%
RO red oak	20.12%	0.00%	20.12%
RM red maple	14.02%	0.61%	14.63%
WB white birch	3.05%	2.44%	5.49%
WA white ash	3.66%	0.00%	3.66%
AS Aspen	0.00%	1.22%	1.22%
BAS basswood	0.00%	0.61%	0.61%
HO hornbeam	0.00%	0.61%	0.61%
RS red spruce	0.61%	0.00%	0.61%
Stand Total	76.22%	23.78%	100.00%

Basal area per Acre by Species and Diameter

		DBH (inches)														
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	30	36	Stand Total
AGS	SM sugar mapl	0.6	1.1	1.7	6.1	5.6	6.7	2.8	1.7	1.7	-	-	-	-	-	27.8
	RO red oak	0.6	-	1.1	0.6	1.1	3.9	2.2	1.7	3.3	1.7	1.1	0.6	0.6	-	18.3
	RM red maple	1.7	1.1	2.2	3.9	1.7	-	1.1	0.6	-	0.6	-	-	-	-	12.8
	BE beech	0.6	0.6	-	1.7	1.1	-	-	-	-	-	-	-	-	-	3.9
	WA white ash	-	-	0.6	0.6	0.6	-	0.6	0.6	-	0.6	-	-	-	-	3.3
	WB white bird	-	-	-	-	1.1	1.7	-	-	-	-	-	-	-	-	2.8
	RS red spruce	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6
	AGS Total		3.9	2.8	5.6	12.8	11.1	12.2	6.7	4.4	5.0	2.8	1.1	0.6	0.6	-
UGS	BE beech	5.0	3.9	2.2	0.6	3.3	-	-	-	0.6	-	-	-	-	-	15.6
	WB white bird	0.6	0.6	1.1	-	-	-	-	-	-	-	-	-	-	-	2.2
	SM sugar mapl	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	1.1
	AS Aspen	-	-	-	0.6	-	0.6	-	-	-	-	-	-	-	-	1.1
	BAS basswood	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	0.6
	RM red maple	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	0.6
	HO hornbeam	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	0.6
UGS Total		5.6	4.4	3.3	2.2	4.4	1.1	-	0.6	-	-	-	-	-	-	21.7
Stand Total		9.4	7.2	8.9	15.0	15.6	13.3	6.7	4.4	5.6	2.8	1.1	0.6	0.6	-	91.1

Trees per Acre by Species and Diameter

		DBH (inches)														
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	26	Stand Total		
AGS	SM sugar maple	3	3	3	8	5	5	2	1	1	-	-	-	30		
	RM red maple	8	3	4	5	2	-	1	0	-	0	-	-	23		
	RO red oak	3	-	2	1	1	3	1	1	1	1	1	0	14		
	BE beech	3	2	-	2	1	-	-	-	-	-	-	-	8		
	WA white ash	-	-	1	1	1	-	0	0	-	0	-	-	3		
	RS red spruce	3	-	-	-	-	-	-	-	-	-	-	-	3		
	WB white birch	-	-	-	-	1	1	-	-	-	-	-	-	2		
	AGS Total		20	8	10	16	10	9	4	2	2	1	0	82		
UGS	BE beech	25	11	4	1	3	-	-	-	0	-	-	-	45		
	WB white birch	3	2	2	-	-	-	-	-	-	-	-	-	6		
	AS Aspen	-	-	-	1	-	0	-	-	-	-	-	-	1		
	SM sugar maple	-	-	-	-	1	-	-	-	-	-	-	-	1		
	BAS basswood	-	-	-	1	-	-	-	-	-	-	-	-	1		
	HO hornbeam	-	-	-	1	-	-	-	-	-	-	-	-	1		
	RM red maple	-	-	-	-	-	0	-	-	-	-	-	-	0		
UGS Total		28	13	6	3	4	1	-	0	-	-	-	55			
Stand Total		48	21	16	19	15	10	4	2	2	1	0	137			

Regeneration (trees/acre):

Species	seedling	sapling
Beech	333	55
Red maple	55	0
Red oak	222	0
Spruce	0	55

Stand 14

Forest type: Northern hardwoods

Size: 52.5 acres

Basal area: 74

TPA: 102

Stand age: 76

QMD: 11.6"

History: 2014 Recent patch clearcuts and Selection harvesting in residual stand

Stand Stocking board feet by Acre

Sum of Volume		DBH (inches)							Stand Total
Product	Species	12	14	16	18	20	28	30	
2 Sawlog	RM red maple	264.4	593.9	172.5	187.9	382.7	-	-	1,601.4
	SM sugar maple	237.2	175.8	-	-	193.1	-	-	606.1
	WP white pine	-	-	-	-	-	242.7	164.2	406.9
	RS red spruce	268.0	-	-	-	-	-	-	268.0
	WB white birch	-	60.5	147.5	-	-	-	-	208.0
	BC black cherry	-	141.8	-	-	-	-	-	141.8
	RO red oak	101.1	-	-	-	-	-	-	101.1
	YB yellow birch	-	60.5	-	-	-	-	-	60.5
	BE beech	-	-	-	-	-	-	-	-
	WA white ash	-	-	-	-	-	-	-	-
2 Sawlog Total		870.6	1,032.6	319.9	187.9	575.8	242.7	164.2	3,393.8

Stand Composition

Species	AGS	UGS	Stand Total
RM red maple	36.54%	1.92%	38.46%
SM sugar maple	15.38%	1.92%	17.31%
WB white birch	11.54%	1.92%	13.46%
YB yellow birch	1.92%	3.85%	5.77%
WA white ash	5.77%	0.00%	5.77%
RO red oak	3.85%	0.00%	3.85%
WP white pine	3.85%	0.00%	3.85%
RS red spruce	3.85%	0.00%	3.85%
BC black cherry	3.85%	0.00%	3.85%
BE beech	0.00%	1.92%	1.92%
STM striped maple	0.00%	1.92%	1.92%
Stand Total	86.54%	13.46%	100.00%

Basal Area by Species and Diameter

BA		DBH (inches)											Stand Total		
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	30	
AGS	RM red maple	1.4	1.4	1.4	8.6	7.1	2.9	1.4	2.9	-	-	-	-	-	27.1
	SM sugar maple	1.4	-	1.4	5.7	1.4	-	-	1.4	-	-	-	-	-	11.4
	WB white birch	-	-	5.7	-	1.4	1.4	-	-	-	-	-	-	-	8.6
	WA white ash	-	-	2.9	1.4	-	-	-	-	-	-	-	-	-	4.3
	WP white pine	-	-	-	-	-	-	-	-	-	-	-	1.4	1.4	2.9
	BC black cherry	-	-	-	1.4	1.4	-	-	-	-	-	-	-	-	2.9
	RO red oak	-	-	-	2.9	-	-	-	-	-	-	-	-	-	2.9
	RS red spruce	-	-	-	2.9	-	-	-	-	-	-	-	-	-	2.9
	YB yellow birch	-	-	-	-	1.4	-	-	-	-	-	-	-	-	1.4
	AGS Total		2.9	1.4	11.4	22.9	12.9	4.3	1.4	4.3	-	-	-	1.4	1.4
UGS	YB yellow birch	-	-	-	1.4	-	-	-	-	-	-	-	-	1.4	2.9
	STM striped maple	1.4	-	-	-	-	-	-	-	-	-	-	-	-	1.4
	WB white birch	-	-	-	1.4	-	-	-	-	-	-	-	-	-	1.4
	RM red maple	-	-	-	-	-	1.4	-	-	-	-	-	-	-	1.4
	BE beech	-	-	-	1.4	-	-	-	-	-	-	-	-	-	1.4
	SM sugar maple	-	-	-	-	-	-	1.4	-	-	-	-	-	-	1.4
UGS Total		1.4	-	-	4.3	-	1.4	1.4	-	-	-	-	-	1.4	10.0
Stand Total		4.3	1.4	11.4	27.1	12.9	5.7	2.9	4.3	-	-	-	1.4	2.9	74.3

Trees per Acre by Species and Diameter

TPA		DBH (inches)											Stand Total	
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	30
AGS	RM red maple	7	4	3	11	7	2	1	1	1	1	1	1	36
	SM sugar maple	7	-	3	7	1	-	-	-	-	-	-	-	19
	WB white birch	-	-	10	-	1	1	-	-	-	-	-	-	13
	WA white ash	-	-	5	2	-	-	-	-	-	-	-	-	7
	RO red oak	-	-	-	4	-	-	-	-	-	-	-	-	4
	RS red spruce	-	-	-	4	-	-	-	-	-	-	-	-	4
	BC black cherry	-	-	-	2	1	-	-	-	-	-	-	-	3
	YB yellow birch	-	-	-	-	1	-	-	-	-	-	-	-	1
	AGS Total		15	4	21	29	12	3	1	2	1	1	1	87
UGS	STM striped maple	7	-	-	-	-	-	-	-	-	-	-	-	7
	WB white birch	-	-	-	2	-	-	-	-	-	-	-	-	2
	YB yellow birch	-	-	-	2	-	-	-	-	-	-	-	-	2
	BE beech	-	-	-	2	-	-	-	-	-	-	-	-	2
	RM red maple	-	-	-	-	-	1	-	-	-	-	-	-	1
	SM sugar maple	-	-	-	-	-	-	-	1	-	1	-	-	1
UGS Total		7	-	-	5	-	1	1	-	-	-	-	15	
Stand Total		22	4	21	35	12	4	2	2	2	1	1	101	

Regeneration (trees/acre):

Species	seedling	sapling
Beech	142	0
Sugar maple	142	142
Cherry	285	0
Red maple	285	0
Spruce	142	0
White ash	142	0
White birch	142	0

Stand 23

Forest type: Northern hardwoods

Size: 58.9 acres

Basal area: 108

TPA: 164

Stand age: 76

QMD: 11.0"

History: No recent activity

Stand Stocking board feet by Acre

Sum of Volume		DBH (inches)						Stand Total
Product	Species	12	14	16	18	20	22	
2 Sawlog	RM red maple	95.2	554.3	438.2	131.5	107.9	-	1,327.1
	SM sugar maple	70.8	493.3	385.2	-	135.2	-	1,084.5
	WA white ash	-	161.3	171.3	-	-	164.5	497.2
	BC black cherry	-	42.4	75.5	-	135.2	-	253.0
	WB white birch	-	72.4	178.7	-	-	-	251.1
	YB yellow birch	-	99.3	-	105.2	-	-	204.5
	AS Aspen	-	-	151.2	-	-	-	151.2
	BE beech	-	-	103.2	-	-	-	103.2
	RO red oak	-	-	75.5	-	-	-	75.5
2 Sawlog Total		166.0	1,423.0	1,578.8	236.7	378.2	164.5	3,947.3

Species Composition

Species	Tree Status		Stand Total
	AGS	UGS	
BE beech	3.70%	31.48%	35.19%
RM red maple	23.15%	2.78%	25.93%
SM sugar maple	17.59%	0.00%	17.59%
WA white ash	4.63%	0.00%	4.63%
YB yellow birch	3.70%	0.93%	4.63%
WB white birch	2.78%	0.93%	3.70%
BC black cherry	2.78%	0.93%	3.70%
STM striped maple	0.00%	1.85%	1.85%
MI miscellaneous	0.93%	0.00%	0.93%
AS Aspen	0.93%	0.00%	0.93%
RO red oak	0.93%	0.00%	0.93%
Stand Total	61.11%	38.89%	100.00%

Basal Area per Acre by Species and Diameter

BA													
Tree Status	Species	DBH (inches)											Stand Total
		6	8	10	12	14	16	18	20	22	24	26	
AGS	RM red maple	-	2.0	4.0	6.0	7.0	4.0	1.0	1.0	-	-	-	25.0
	SM sugar maple	2.0	2.0	3.0	2.0	5.0	4.0	-	1.0	-	-	-	19.0
	WA white ash	-	2.0	-	-	1.0	1.0	-	-	1.0	-	-	5.0
	BE beech	-	-	1.0	1.0	-	1.0	-	-	-	-	1.0	4.0
	YB yellow birch	-	-	-	2.0	1.0	-	1.0	-	-	-	-	4.0
	BC black cherry	-	-	-	-	1.0	1.0	1.0	-	1.0	-	-	3.0
	WB white birch	-	-	-	-	1.0	2.0	-	-	-	-	-	3.0
	MI miscellaneous	-	-	1.0	-	-	-	-	-	-	-	-	1.0
	AS Aspen	-	-	-	-	-	-	1.0	-	-	-	-	1.0
	RO red oak	-	-	-	-	-	-	1.0	-	-	-	-	1.0
AGS Total		2.0	6.0	9.0	11.0	16.0	15.0	2.0	3.0	1.0	-	1.0	66.0
UGS	BE beech	4.0	5.0	9.0	2.0	9.0	2.0	-	2.0	1.0	-	-	34.0
	RM red maple	-	-	-	1.0	-	1.0	1.0	-	-	-	-	3.0
	STM striped maple	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0
	BC black cherry	-	-	-	1.0	-	-	-	-	-	-	-	1.0
	YB yellow birch	-	-	-	-	-	-	-	-	-	-	1.0	1.0
	WB white birch	-	-	-	-	-	1.0	-	-	-	-	-	1.0
UGS Total		5.0	6.0	9.0	4.0	9.0	4.0	1.0	2.0	1.0	-	1.0	42.0
Stand Total		7.0	12.0	18.0	15.0	25.0	19.0	3.0	5.0	2.0	-	2.0	108.0

Trees per Acre by Species and Diameter

TPA													
Tree Status	Species	DBH (inches)											Stand Total
		6	8	10	12	14	16	18	20	22	24	26	
AGS	SM sugar maple	10	6	6	3	5	3	-	0	-	-	-	32
	RM red maple	-	6	7	8	7	3	1	0	-	-	-	31
	WA white ash	-	6	-	-	1	1	-	-	0	-	-	8
	BE beech	-	-	2	1	-	1	-	-	-	-	0	4
	YB yellow birch	-	-	-	3	1	-	1	-	-	-	-	4
	WB white birch	-	-	-	-	1	1	-	-	-	-	-	2
	BC black cherry	-	-	-	-	1	1	-	0	-	-	-	2
	MI miscellaneous	-	-	2	-	-	-	-	-	-	-	-	2
	AS Aspen	-	-	-	-	-	1	-	-	-	-	-	1
	RO red oak	-	-	-	-	-	1	-	-	-	-	-	1
AGS Total		10	17	17	14	15	11	1	1	0	-	0	87
UGS	BE beech	20	14	17	3	8	1	-	1	0	-	-	65
	STM striped maple	5	3	-	-	-	-	-	-	-	-	-	8
	RM red maple	-	-	-	1	-	1	1	-	-	-	-	3
	BC black cherry	-	-	-	1	-	-	-	-	-	-	-	1
	WB white birch	-	-	-	-	-	1	-	-	-	-	-	1
	YB yellow birch	-	-	-	-	-	-	-	-	-	-	-	0
UGS Total		25	17	17	5	8	3	1	1	0	-	0	78
Stand Total		36	34	33	19	23	14	2	2	1	-	1	164

Regeneration (trees/acre):

Species	seedling	sapling
Beech	800	200
Sugar maple	100	0
Spruce	100	0
Yellow birch	100	0

Stand 24

Forest type: Northern hardwood

Size: 47.0 acres

Basal area: 112

TPA: 168

Stand age: 86

QMD: 11.0"

History: 2014 timber harvest

Stand Stocking board feet per Acre

Sum of Volume		DBH (inches)							
Product	Species	12	14	16	18	20	22	24	Stand Total
2 Sawlog	RM red maple	276.7	406.8	-	254.6	225.3	231.0	184.9	1,579.3
	WA white ash	-	205.1	503.9	-	-	-	-	709.0
	YB yellow birch	118.0	165.5	251.6	-	-	79.1	-	614.2
	SM sugar maple	-	241.3	214.1	-	-	-	-	455.4
	BC black cherry	72.5	-	125.8	-	-	-	-	198.3
	RO red oak	-	-	-	175.4	-	-	-	175.4
	BE beech	-	-	-	-	-	-	-	-
	WB white birch	-	-	-	-	-	-	-	-
2 Sawlog Total		467.1	1,018.7	1,095.4	430.0	225.3	310.1	184.9	3,731.5

Stand Composition

BA	Tree Status		Stand Total
Species	AGS	UGS	
RM red maple	26.87%	10.45%	37.31%
SM sugar maple	19.40%	1.49%	20.90%
YB yellow birch	13.43%	2.99%	16.42%
BE beech	0.00%	8.96%	8.96%
WA white ash	7.46%	0.00%	7.46%
RO red oak	4.48%	0.00%	4.48%
BC black cherry	2.99%	0.00%	2.99%
WB white birch	0.00%	1.49%	1.49%
Stand Total	74.63%	25.37%	100.00%

Stand Basal Area per Acre by Species and Diameter

BA												
Tree Status	Species	DBH (inches)										
		6	8	10	12	14	16	18	20	22	24	Stand Total
AGS	RM red maple	1.7	-	6.7	6.7	6.7	-	3.3	1.7	1.7	1.7	30.0
	SM sugar maple	3.3	-	5.0	8.3	3.3	1.7	-	-	-	-	21.7
	YB yellow birch	-	-	1.7	6.7	1.7	3.3	-	-	1.7	-	15.0
	WA white ash	-	-	1.7	1.7	1.7	3.3	-	-	-	-	8.3
	RO red oak	-	-	-	3.3	-	-	1.7	-	-	-	5.0
	BC black cherry	-	-	-	1.7	-	1.7	-	-	-	-	3.3
AGS Total		5.0	-	15.0	28.3	13.3	10.0	5.0	1.7	3.3	1.7	83.3
UGS	RM red maple	-	-	1.7	5.0	1.7	3.3	-	-	-	-	11.7
	BE beech	5.0	-	-	1.7	3.3	-	-	-	-	-	10.0
	YB yellow birch	-	1.7	-	-	-	1.7	-	-	-	-	3.3
	WB white birch	-	-	-	-	-	1.7	-	-	-	-	1.7
	SM sugar maple	-	-	1.7	-	-	-	-	-	-	-	1.7
UGS Total		5.0	1.7	3.3	6.7	5.0	6.7	-	-	-	-	28.3
Stand Total		10.0	1.7	18.3	35.0	18.3	16.7	5.0	1.7	3.3	1.7	111.7

Trees per Acre by Species and Diameter

TPA												
Tree Status	Species	DBH (inches)										
		6	8	10	12	14	16	18	20	22	24	26 Stand Total
AGS	SM sugar maple	17	-	9	11	3	1	-	-	-	-	41
	RM red maple	8	-	12	8	6	-	2	1	1	1	39
	YB yellow birch	-	-	3	8	2	2	-	-	1	-	16
	WA white ash	-	-	3	2	2	2	-	-	-	-	9
	RO red oak	-	-	-	4	-	-	1	-	-	-	5
	BC black cherry	-	-	-	2	-	1	-	-	-	-	3
AGS Total		25	-	28	36	12	7	3	1	1	1	114
UGS	BE beech	25	-	-	2	3	-	-	-	-	-	31
	RM red maple	-	-	3	6	2	2	-	-	-	-	13
	YB yellow birch	-	5	-	-	-	1	-	-	-	-	6
	SM sugar maple	-	-	3	-	-	-	-	-	-	-	3
	WB white birch	-	-	-	-	-	1	-	-	-	-	1
UGS Total		25	5	6	8	5	5	-	-	-	-	54
Stand Total		51	5	34	45	17	12	3	1	1	1	168

Regeneration (trees/acre):

Species	seedling	sapling
Beech	833	0
Sugar maple	166	0
Red oak	166	0

Stand 25

Forest type: Northern hardwoods

Size: 41.6 acres

Basal area: 67

TPA: 77

Stand age: Uneven-age

QMD: 11.2"

History: 1991, 2003 harvest

Stand Stocking board feet per Acre

Sum of Volume		DBH (inches) ▾						
Product ▾	Species ▾	12	14	16	18	20	22	Stand Total
2 Sawlog	SM sugar maple	353.3	901.5	898.1	517.8	405.1	693.0	3,768.9
	WA white ash	-	239.6	214.1	-	533.4	-	987.0
	RM red maple	-	-	214.1	-	-	-	214.1
	BE beech	-	120.6	-	-	-	-	120.6
2 Sawlog Total		353.3	1,261.8	1,326.3	517.8	938.5	693.0	5,090.7

Stand Composition

BA		Tree Status ▾	
Species ▾	AGS	UGS	Stand Total
SM sugar maple	55.00%	0.00%	55.00%
BE beech	5.00%	27.50%	32.50%
WA white ash	10.00%	0.00%	10.00%
RM red maple	2.50%	0.00%	2.50%
Stand Total	72.50%	27.50%	100.00%

Stand Basal Area per Acre by Species and Diameter

BA		DBH (inch)										
Tree Status	Species	6	8	10	12	14	16	18	20	22	Stand Total	
AGS	SM sugar maple	-	1.7	1.7	5.0	8.3	8.3	3.3	3.3	5.0	36.7	
	WA white ash	-	-	-	-	1.7	1.7	-	3.3	-	6.7	
	BE beech	1.7	-	-	-	1.7	-	-	-	-	3.3	
	RM red maple	-	-	-	-	-	1.7	-	-	-	1.7	
AGS Total		1.7	1.7	1.7	5.0	11.7	11.7	3.3	6.7	5.0	48.3	
UGS	BE beech	5.0	3.3	1.7	6.7	1.7	-	-	-	-	18.3	
UGS Total		5.0	3.3	1.7	6.7	1.7	-	-	-	-	18.3	
Stand Total		6.7	5.0	3.3	11.7	13.3	11.7	3.3	6.7	5.0	66.7	

Trees per Acre by Species and Diameter

TPA		DBH (inch)										
Tree Status	Species	6	8	10	12	14	16	18	20	22	Stand Total	
AGS	SM sugar maple	-	5	3	6	8	6	2	2	2	33	
	BE beech	8	-	-	-	2	-	-	-	-	10	
	WA white ash	-	-	-	-	2	1	-	2	-	4	
	RM red maple	-	-	-	-	-	1	-	-	-	1	
AGS Total		8	5	3	6	11	8	2	3	2	49	
UGS	BE beech	25	10	3	8	2	-	-	-	-	48	
UGS Total		25	10	3	8	2	-	-	-	-	48	
Stand Total		34	14	6	15	12	8	2	3	2	97	

Regeneration (trees/acre):

Species	seedling	sapling
Beech	500	0
Sugar maple	333	0

Stand 26

Forest type: Northern hardwoods

Size: 41.8 acres

Basal area: 72

TPA: 81

Stand age: 86

QMD: 12.7"

History: Eck Lot, cut prior to 2005

Stand Stocking board feet per Acre

Sum of Volume		DBH (inches)								Stand Total
Product	Species	12	14	16	18	20	26	30		
2 Sawlog	SM sugar maple	-	446.4	125.8	561.5	-	188.1	140.6	1,462.5	
	WA white ash	72.5	410.3	251.9	346.5	266.7	-	-	1,347.9	
	YB yellow birch	118.0	70.6	327.0	-	-	-	-	515.6	
	RM red maple	-	-	-	175.4	310.2	-	-	485.6	
	RS red spruce	194.6	239.6	-	-	-	-	-	434.2	
	RO red oak	-	165.5	-	-	179.8	-	-	345.3	
	WB white birch	-	241.3	-	-	-	-	-	241.3	
	BC black cherry	-	-	214.1	-	-	-	-	214.1	
	BE beech	-	-	-	-	-	-	-	-	
	AS Aspen	-	-	-	-	-	-	-	-	
2 Sawlog Total		385.1	1,573.7	918.9	1,083.4	756.7	188.1	140.6	5,046.5	

Species Composition

BA Species	Tree Status		
	AGS	UGS	Stand Total
SM sugar maple	25.58%	0.00%	25.58%
WA white ash	18.60%	0.00%	18.60%
YB yellow birch	13.95%	0.00%	13.95%
RM red maple	11.63%	0.00%	11.63%
RS red spruce	9.30%	0.00%	9.30%
WB white birch	4.65%	2.33%	6.98%
BE beech	0.00%	4.65%	4.65%
RO red oak	4.65%	0.00%	4.65%
BC black cherry	2.33%	0.00%	2.33%
AS Aspen	0.00%	2.33%	2.33%
Stand Total	90.70%	9.30%	100.00%

Basal Area per Acre by Species and Diameter

Species	DBH (Inches)													Stand Total
	6	8	10	12	14	16	18	20	22	24	26	28	30	
SM sugar maple	1.7	1.7	-	-	5.0	1.7	5.0	-	-	-	1.7	-	1.7	18.3
WA white ash	-	-	-	3.3	3.3	1.7	3.3	1.7	-	-	-	-	-	13.3
YB yellow birch	-	-	-	3.3	1.7	5.0	-	-	-	-	-	-	-	10.0
RM red maple	-	-	1.7	1.7	-	-	1.7	3.3	-	-	-	-	-	8.3
RS red spruce	-	-	3.3	1.7	1.7	-	-	-	-	-	-	-	-	6.7
RO red oak	-	-	-	-	1.7	-	-	1.7	-	-	-	-	-	3.3
WB white birch	-	-	-	-	3.3	-	-	-	-	-	-	-	-	3.3
BC black cherry	-	-	-	-	-	1.7	-	-	-	-	-	-	-	1.7
AGS Total	1.7	1.7	5.0	10.0	16.7	10.0	10.0	6.7	-	-	1.7	-	1.7	65.0
BE beech	1.7	-	-	1.7	-	-	-	-	-	-	-	-	-	3.3
WB white birch	-	-	-	-	1.7	-	-	-	-	-	-	-	-	1.7
AS Aspen	-	-	-	-	1.7	-	-	-	-	-	-	-	-	1.7
UGS Total	1.7	-	-	1.7	3.3	-	-	-	-	-	-	-	-	6.7
Stand Total	3.3	1.7	5.0	11.7	20.0	10.0	10.0	6.7	-	-	1.7	-	1.7	71.7

Trees per Acre by Species and Diameter

Tree Status	Species	DBH (Inches)										Stand Total		
		6	8	10	12	14	16	18	20	22	24		26	28
AGS	SM sugar maple	8	5	-	-	5	1	3	-	-	-	-	-	22
	WA white ash	-	-	-	4	3	1	2	1	-	-	-	11	
	RS red spruce	-	-	6	2	2	-	-	-	-	-	-	10	
	YB yellow birch	-	-	-	4	2	4	-	-	-	-	-	9	
	RM red maple	-	-	3	2	-	-	1	2	-	-	-	8	
	WB white birch	-	-	-	-	3	-	-	-	-	-	-	3	
	RO red oak	-	-	-	-	2	-	-	1	-	-	-	2	
BC black cherry	-	-	-	-	-	1	-	-	-	-	-	1		
AGS Total	8	5	9	13	16	7	6	3	-	-	-	-	67	
UGS	BE beech	8	-	-	2	-	-	-	-	-	-	-	11	
	WB white birch	-	-	-	-	2	-	-	-	-	-	-	2	
	AS Aspen	-	-	-	-	2	-	-	-	-	-	-	2	
UGS Total	8	-	-	2	3	-	-	-	-	-	-	-	14	
Stand Total	17	5	9	15	19	7	6	3	-	-	-	-	80	

Regeneration (trees/acre):

Species	seedling	sapling
Beech	0	166
Sugar maple	0	166
Spruce	166	0

Stand 7 (south of Basin Brook)

Forest type: Northern hardwoods

Size: 80.0 acres

Basal area: 109

TPA: 154

Stand age: Uneven-age

QMD: 11.4"

History: 2001 harvest.

Stand stocking/acre (board foot volume)

Product	Species	DBH (inches)	DBH (inches)							Stand Total
			12	14	16	18	20	22	24	
2 Sawlog	SM sugar maple	79.0	340.3	748.0	614.8	540.1	700.8	429.5	-	3,452.5
	RM red maple	-	65.8	93.9	95.7	122.9	126.0	126.9	-	631.1
	WA white ash	-	-	68.6	119.6	164.8	-	126.9	-	479.9
	YB yellow birch	79.0	131.6	178.4	69.4	-	-	-	-	458.5
	RO red oak	-	-	-	-	-	-	-	129.3	129.3
	WB white birch	-	104.3	-	-	-	-	-	-	104.3
	AS Aspen	-	-	68.6	-	-	-	-	-	68.6
	BE beech	-	-	-	-	-	-	-	-	-
2 Sawlog Total		158.1	642.0	1,157.5	899.5	827.7	826.8	683.3	129.3	5,324.2

Stand composition by Basal Area

BA Species	Tree Status		
	AGS	UGS	Stand Total
SM sugar maple	40.00%	10.00%	50.00%
YB yellow birch	12.50%	9.17%	21.67%
WA white ash	5.00%	2.50%	7.50%
RM red maple	5.00%	1.67%	6.67%
BE beech	0.83%	4.17%	5.00%
HO hornbeam	0.00%	3.33%	3.33%
WB white birch	2.50%	0.83%	3.33%
RO red oak	0.83%	0.00%	0.83%
AS Aspen	0.83%	0.00%	0.83%
BAS basswood	0.83%	0.00%	0.83%
Stand Total	68.33%	31.67%	100.00%

Basal area per acre by species and diameter

BA		DBH (in)												Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26		
AGS	SM sugar maple	2.7	-	4.5	1.8	5.5	8.2	6.4	4.5	6.4	3.6	-	43.6	
	YB yellow birch	0.9	1.8	2.7	1.8	2.7	2.7	0.9	-	-	-	-	13.6	
	WA white ash	-	1.8	-	-	-	0.9	0.9	0.9	-	0.9	-	5.5	
	RM red maple	-	-	-	-	0.9	0.9	0.9	0.9	0.9	0.9	-	5.5	
	WB white birch	-	-	0.9	-	1.8	-	-	-	-	-	-	2.7	
	BAS basswood	-	-	0.9	-	-	-	-	-	-	-	-	0.9	
	AS Aspen	-	-	-	-	-	0.9	-	-	-	-	-	0.9	
	BE beech	-	-	0.9	-	-	-	-	-	-	-	-	0.9	
	RO red oak	-	-	-	-	-	-	-	-	-	-	-	0.9	
AGS Total		3.6	3.6	10.0	3.6	10.9	13.6	9.1	6.4	7.3	5.5	0.9	74.5	
UGS	SM sugar maple	-	2.7	2.7	3.6	-	0.9	-	-	-	0.9	-	10.9	
	YB yellow birch	0.9	0.9	2.7	-	4.5	0.9	-	-	-	-	-	10.0	
	BE beech	1.8	0.9	0.9	-	0.9	-	-	-	-	-	-	4.5	
	HO hornbeam	1.8	1.8	-	-	-	-	-	-	-	-	-	3.6	
	WA white ash	-	-	0.9	-	-	-	0.9	0.9	-	-	-	2.7	
	RM red maple	-	-	-	0.9	-	0.9	-	-	-	-	-	1.8	
	WB white birch	-	-	-	-	0.9	-	-	-	-	-	-	0.9	
	UGS Total		4.5	6.4	7.3	4.5	6.4	2.7	0.9	0.9	-	0.9	-	34.5
Stand Total		8.2	10.0	17.3	8.2	17.3	16.4	10.0	7.3	7.3	6.4	0.9	109.1	

Trees per acre by species and diameter

TPA		DBH (in)												Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26		
AGS	SM sugar maple	14	-	8	2	5	6	4	2	2	1	-	44	
	YB yellow birch	5	5	5	2	3	2	1	-	-	-	-	22	
	WA white ash	-	5	-	-	-	1	1	0	-	0	-	7	
	WB white birch	-	-	2	-	2	-	-	-	-	-	-	3	
	RM red maple	-	-	-	-	1	1	1	0	0	0	-	3	
	BE beech	-	-	2	-	-	-	-	-	-	-	-	2	
	BAS basswood	-	-	2	-	-	-	-	-	-	-	-	2	
	AS Aspen	-	-	-	-	-	1	-	-	-	-	-	1	
	RO red oak	-	-	-	-	-	-	-	-	-	-	-	0	
AGS Total		19	10	18	5	10	9	5	3	3	2	0	84	
UGS	SM sugar maple	-	8	5	5	-	1	-	-	-	0	-	18	
	YB yellow birch	5	3	5	-	4	1	-	-	-	-	-	17	
	HO hornbeam	9	5	-	-	-	-	-	-	-	-	-	14	
	BE beech	9	3	2	-	1	-	-	-	-	-	-	14	
	WA white ash	-	-	2	-	-	-	1	0	-	-	-	3	
	RM red maple	-	-	-	1	-	1	-	-	-	-	-	2	
	WB white birch	-	-	-	-	1	-	-	-	-	-	-	1	
UGS Total		23	18	13	6	6	2	1	0	-	0	-	70	
Stand Total		42	29	32	10	16	11	6	3	3	2	0	154	

Regeneration (trees/acre):

Species	seedling	sapling
Beech	545	272
Sugar maple	91	91

Stand 6 (south of Basin Brook)

Forest type: Northern hardwoods

Size: 54.5 acres

Basal area: 128

TPA: 161

Stand age: Unevenage

QMD: 12.1”

History: 2001 timber harvest

Stand stocking/acre (board foot volume)

Sum of Volume		DBH (inches)								
Product	Species	12	14	16	18	20	22	24	Stand Total	
2 Sawlog	SM sugar maple	101.1	348.7	611.3	969.8	1,261.8	825.9	874.3	4,992.9	
	WA white ash	-	-	363.2	-	265.9	-	671.9	1,300.9	
	YB yellow birch	-	163.9	363.2	-	-	-	-	527.1	
	RM red maple	-	-	-	409.7	-	-	-	409.7	
	BE beech	-	-	-	-	-	-	-	-	
2 Sawlog Total		101.1	512.6	1,337.6	1,379.5	1,527.7	825.9	1,546.2	7,230.6	

Stand composition by Basal Area

BA	Tree Status		
Species	AGS	UGS	Stand Total
SM sugar maple	45.56%	3.33%	48.89%
YB yellow birch	14.44%	5.56%	20.00%
WA white ash	11.11%	1.11%	12.22%
BE beech	0.00%	6.67%	6.67%
WB white birch	2.22%	1.11%	3.33%
HO hornbeam	0.00%	3.33%	3.33%
RM red maple	3.33%	0.00%	3.33%
BAS basswood	1.11%	0.00%	1.11%
MI miscellaneous	0.00%	1.11%	1.11%
Stand Total	77.78%	22.22%	100.00%

Basal area per acre by species and diameter

BA		DBH (in)										
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	Stand Total
AGS	SM sugar maple	-	-	7.1	4.3	4.3	7.1	10.0	11.4	7.1	7.1	58.6
	YB yellow birch	-	7.1	4.3	-	2.9	4.3	-	-	-	-	18.6
	WA white ash	1.4	-	-	-	-	4.3	-	2.9	-	5.7	14.3
	RM red maple	-	-	-	-	-	-	4.3	-	-	-	4.3
	WB white birch	-	-	2.9	-	-	-	-	-	-	-	2.9
	BAS basswood	-	1.4	-	-	-	-	-	-	-	-	1.4
AGS Total		1.4	8.6	14.3	4.3	7.1	15.7	14.3	14.3	7.1	12.9	100.0
UGS	BE beech	-	-	4.3	2.9	1.4	-	-	-	-	-	8.6
	YB yellow birch	1.4	1.4	1.4	-	1.4	-	-	1.4	-	-	7.1
	HO hornbeam	1.4	2.9	-	-	-	-	-	-	-	-	4.3
	SM sugar maple	-	-	-	2.9	-	-	-	-	-	1.4	4.3
	WA white ash	-	-	1.4	-	-	-	-	-	-	-	1.4
	MI miscellaneous	-	1.4	-	-	-	-	-	-	-	-	1.4
	WB white birch	-	-	1.4	-	-	-	-	-	-	-	1.4
UGS Total		2.9	5.7	8.6	5.7	2.9	-	-	1.4	-	1.4	28.6
Stand Total		4.3	14.3	22.9	10.0	10.0	15.7	14.3	15.7	7.1	14.3	128.6

Trees per acre by species and diameter

TPA		DBH (in)										
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	Stand Total
AGS	SM sugar maple	-	-	13	5	4	5	6	5	3	2	44
	YB yellow birch	-	20	8	-	3	3	-	-	-	-	34
	WA white ash	7	-	-	-	-	3	-	1	-	2	13
	WB white birch	-	-	5	-	-	-	-	-	-	-	5
	BAS basswood	-	4	-	-	-	-	-	-	-	-	4
	RM red maple	-	-	-	-	-	-	2	-	-	-	2
AGS Total		7	25	26	5	7	11	8	7	3	4	103
UGS	YB yellow birch	7	4	3	-	1	-	-	1	-	-	16
	HO hornbeam	7	8	-	-	-	-	-	-	-	-	15
	BE beech	-	-	8	4	1	-	-	-	-	-	13
	MI miscellaneous	-	4	-	-	-	-	-	-	-	-	4
	SM sugar maple	-	-	-	4	-	-	-	-	-	0	4
	WA white ash	-	-	3	-	-	-	-	-	-	-	3
	WB white birch	-	-	3	-	-	-	-	-	-	-	3
UGS Total		15	16	16	7	3	-	-	1	-	0	58
Stand Total		22	41	42	13	9	11	8	7	3	5	161

Regeneration (trees/acre):

Species	seedling	sapling
Beech	1285	0
Sugar maple	143	0
Yellow birch	142	0

Stand 5 (south of Basin Brook)

Forest type: Sugar maple

Size: 82.5 acres

Basal area: 110

TPA: 157

Stand age: Uneven-age

QMD: 11.4"

History: 2001 timber harvest

Stand stocking/acre (board foot volume)

Sum of Volume		DBH (inches)								
Product	Species	12	14	16	18	20	22	24	30	Stand Total
2 Sawlog	SM sugar maple	236.9	562.1	971.1	749.8	460.7	669.7	573.7	-	4,224.0
	WA white ash	-	314.0	91.8	281.9	-	-	-	-	687.6
	YB yellow birch	93.2	82.0	107.8	54.6	-	-	-	-	337.5
	RM red maple	-	-	-	75.2	167.6	-	79.3	-	322.0
	RO red oak	-	-	-	-	-	-	-	82.1	82.1
	RS red spruce	68.0	-	-	-	-	-	-	-	68.0
	BE beech	-	-	-	54.6	-	-	-	-	54.6
	WB white birch	-	-	53.9	-	-	-	-	-	53.9
	AS Aspen	-	-	-	-	-	-	-	-	-
2 Sawlog Total		398.1	958.0	1,224.6	1,215.9	628.3	669.7	653.0	82.1	5,829.7

Stand composition by Basal Area

BA	Tree Status		Stand Total
Species	AGS	UGS	
SM sugar maple	50.32%	10.97%	61.29%
YB yellow birch	7.74%	1.94%	9.68%
BE beech	1.94%	6.45%	8.39%
WA white ash	7.10%	0.65%	7.74%
RM red maple	3.23%	1.29%	4.52%
HO hornbeam	0.00%	2.58%	2.58%
WB white birch	0.65%	0.65%	1.29%
MI miscellaneous	0.00%	1.29%	1.29%
RO red oak	0.65%	0.00%	0.65%
BAS basswood	0.00%	0.65%	0.65%
AS Aspen	0.00%	0.65%	0.65%
BC black cherry	0.65%	0.00%	0.65%
RS red spruce	0.65%	0.00%	0.65%
Stand Total	72.90%	27.10%	100.00%

Basal area per acre by species and diameter

BA		DBH (inches)															Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	30	36	40	Stand Total
AGS	SM sugar mapl	2.9	5.0	2.9	5.0	7.9	10.0	7.1	4.3	5.7	5.0	-	-	-	-	-	55.7
	YB yellow birch	-	-	2.9	2.1	1.4	1.4	0.7	-	-	-	-	-	-	-	-	8.6
	WA white ash	0.7	-	-	0.7	3.6	0.7	2.1	-	-	-	-	-	-	-	-	7.9
	RM red maple	-	-	-	-	-	-	0.7	2.1	-	0.7	-	-	-	-	-	3.6
	BE beech	-	-	0.7	-	-	-	0.7	0.7	-	-	-	-	-	-	-	2.1
	WB white birch	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	0.7
	BC black cherry	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
	RO red oak	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	-	0.7
	RS red spruce	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	0.7
AGS Total		4.3	5.0	6.4	8.6	12.9	12.9	11.4	7.1	5.7	5.7	-	-	0.7	-	-	80.7
UGS	SM sugar mapl	0.7	0.7	4.3	0.7	2.9	0.7	-	-	-	-	-	-	-	1.4	0.7	12.1
	BE beech	1.4	-	4.3	1.4	-	-	-	-	-	-	-	-	-	-	-	7.1
	HO hornbeam	0.7	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9
	YB yellow birch	0.7	-	0.7	0.7	-	-	-	-	-	-	-	-	-	-	-	2.1
	RM red maple	-	-	-	-	0.7	0.7	-	-	-	-	-	-	-	-	-	1.4
	MI miscellaneous	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
	BAS basswood	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
	WB white birch	-	-	-	-	-	-	-	0.7	-	-	-	-	-	-	-	0.7
	AS Aspen	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	0.7
	WA white ash	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	0.7
UGS Total		5.7	2.9	9.3	2.9	3.6	2.9	-	0.7	-	-	-	-	-	1.4	0.7	30.0
Stand Total		10.0	7.9	15.7	11.4	16.4	15.7	11.4	7.9	5.7	5.7	-	-	0.7	1.4	0.7	110.7

Trees per acre by species and diameter

TPA		DBH (inches)												Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	Stand Total		
AGS	SM sugar maple	15	14	5	6	7	7	4	2	2	2	65		
	YB yellow birch	-	-	5	3	1	1	0	-	-	-	11		
	WA white ash	4	-	-	1	3	1	1	-	-	-	10		
	BC black cherry	4	-	-	-	-	-	-	-	-	-	4		
	BE beech	-	-	1	-	-	-	0	0	-	-	2		
	RM red maple	-	-	-	-	-	-	0	1	-	0	2		
	RS red spruce	-	-	-	1	-	-	-	-	-	-	1		
	WB white birch	-	-	-	-	-	1	-	-	-	-	1		
AGS Total		22	14	12	11	12	9	6	3	2	2	94		
UGS	SM sugar maple	4	2	8	1	3	1	-	-	-	-	18		
	BE beech	7	-	8	2	-	-	-	-	-	-	17		
	HO hornbeam	4	6	-	-	-	-	-	-	-	-	10		
	MI miscellaneous	7	-	-	-	-	-	-	-	-	-	7		
	YB yellow birch	4	-	1	1	-	-	-	-	-	-	6		
	BAS basswood	4	-	-	-	-	-	-	-	-	-	4		
	RM red maple	-	-	-	-	1	1	-	-	-	-	1		
	AS Aspen	-	-	-	-	-	1	-	-	-	-	1		
	WA white ash	-	-	-	-	-	1	-	-	-	-	1		
	WB white birch	-	-	-	-	-	-	-	0	-	-	0		
UGS Total		29	8	17	4	3	2	-	0	-	-	64		
Stand Total		51	23	29	15	15	11	6	4	2	2	157		

Regeneration (trees/acre):

Species	seedling	sapling
Beech	71	285
Sugar maple	714	428
Spruce	71	0

Stand 8 (south of Basin Brook)

Forest type: Northern hardwood

Size: 68.4 acres

Basal area: 90

TPA: 141

Stand age: Unevenage

QMD: 10.8"

History: 2014 timber harvest.

Stand stocking/acre (board foot volume)

Sum of Volume		DBH (inches)								
Product	Species	12	14	16	18	20	22	24	26	Stand Total
2 Sawlog	SM sugar maple	48.3	610.1	1,107.7	318.7	599.5	-	212.4	-	2,896.6
	YB yellow birch	-	127.5	100.5	-	119.9	-	-	-	347.9
	WA white ash	78.7	-	114.7	-	-	-	89.1	-	282.5
	RM red maple	-	47.1	-	-	86.9	-	-	-	134.0
	BE beech	-	-	-	-	-	-	-	-	-
	BAS basswood	-	-	-	-	-	-	-	-	-
2 Sawlog Total		127.0	784.7	1,322.9	318.7	806.3	-	301.5	-	3,661.0

Stand composition by Basal Area

BA	Tree Status		Stand Total
Species	AGS	UGS	
SM sugar maple	45.68%	4.94%	50.62%
BE beech	1.23%	24.69%	25.93%
YB yellow birch	6.17%	2.47%	8.64%
WA white ash	6.17%	1.23%	7.41%
RM red maple	3.70%	0.00%	3.70%
HO hornbeam	0.00%	2.47%	2.47%
BAS basswood	0.00%	1.23%	1.23%
Stand Total	62.96%	37.04%	100.00%

Basal area per acre by species and diameter

BA		DBH (in)												Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26		
AGS	SM sugar maple	4.4	1.1	-	2.2	8.9	13.3	3.3	5.6	-	2.2	-	41.1	
	YB yellow birch	-	-	-	-	2.2	2.2	-	1.1	-	-	-	5.6	
	WA white ash	-	1.1	1.1	1.1	-	1.1	-	-	-	1.1	-	5.6	
	RM red maple	-	-	-	1.1	1.1	-	-	1.1	-	-	-	3.3	
	BE beech	-	-	-	-	1.1	-	-	-	-	-	-	1.1	
AGS Total		4.4	2.2	1.1	4.4	13.3	16.7	3.3	7.8	-	3.3	-	56.7	
UGS	BE beech	6.7	1.1	6.7	-	6.7	-	1.1	-	-	-	-	22.2	
	SM sugar maple	-	-	-	1.1	-	-	-	-	1.1	-	2.2	4.4	
	YB yellow birch	-	2.2	-	-	-	-	-	-	-	-	-	2.2	
	HO hornbeam	-	1.1	1.1	-	-	-	-	-	-	-	-	2.2	
	BAS basswood	-	-	-	-	-	-	1.1	-	-	-	-	1.1	
	WA white ash	-	-	1.1	-	-	-	-	-	-	-	-	1.1	
UGS Total		6.7	4.4	8.9	1.1	6.7	-	2.2	-	1.1	-	2.2	33.3	
Stand Total		11.1	6.7	10.0	5.6	20.0	16.7	5.6	7.8	1.1	3.3	2.2	90.0	

Trees per acre by species and diameter

TPA		DBH (in)												Stand Total
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26		
AGS	SM sugar maple	23	3	-	3	8	10	2	3	-	1	-	52	
	WA white ash	-	3	2	1	-	1	-	-	-	0	-	8	
	YB yellow birch	-	-	-	-	2	2	-	1	-	-	-	4	
	RM red maple	-	-	-	1	1	-	-	1	-	-	-	3	
	BE beech	-	-	-	-	1	-	-	-	-	-	-	1	
AGS Total		23	6	2	6	12	12	2	4	-	1	-	68	
UGS	BE beech	34	3	12	-	6	-	1	-	-	-	-	56	
	YB yellow birch	-	6	-	-	-	-	-	-	-	-	-	6	
	HO hornbeam	-	3	2	-	-	-	-	-	-	-	-	5	
	SM sugar maple	-	-	-	1	-	-	-	-	0	-	1	2	
	WA white ash	-	-	2	-	-	-	-	-	-	-	-	2	
	BAS basswood	-	-	-	-	-	-	1	-	-	-	-	1	
UGS Total		34	13	16	1	6	-	1	-	0	-	1	73	
Stand Total		57	19	18	7	19	12	3	4	0	1	1	141	

Regeneration (trees/acre):

Species	seedling	sapling
Beech	22	111
Sugar maple	0	111
Yellow birch	2777	0
Ash	111	0

Stand 1 (south of Basin Brook)

Forest type: Northern hardwood

Size: 131.3 acres

Basal area: 112

TPA: 115

Stand age: Uneven-age

QMD: 13.4"

History: 1984 timber harvest.

Stand stocking/acre (board foot volume)

Sum of Volume		DBH (inches)										Stand Total
Product	Species	12	14	16	18	20	22	24	26	28		
2 Sawlog	SM sugar maple	327.9	542.1	1,073.3	723.1	748.1	580.1	-	373.3	-	4,368.0	
	WA white ash	124.6	60.4	39.7	299.3	200.0	-	-	-	-	724.1	
	YB yellow birch	22.9	76.2	266.3	223.4	71.1	-	-	-	-	659.9	
	RM red maple	60.1	90.4	-	205.0	-	58.1	58.4	-	-	472.0	
	BE beech	-	-	39.7	95.6	112.3	-	-	-	-	247.6	
	RS red spruce	-	-	159.1	81.8	-	-	-	-	-	240.9	
	BC black cherry	-	141.0	-	-	-	-	-	-	-	141.0	
	WP white pine	-	-	-	-	-	-	-	-	115.6	115.6	
	WB white birch	-	52.3	-	-	-	-	-	-	-	52.3	
	BAS basswood	-	-	-	-	-	-	-	-	-	-	
2 Sawlog Total		535.6	962.3	1,578.2	1,628.1	1,131.5	638.2	58.4	373.3	115.6	7,021.3	

Stand composition by Basal Area

BA	Tree Status		Stand Total
Species	AGS	UGS	
SM sugar maple	46.95%	5.63%	52.58%
BE beech	2.82%	13.62%	16.43%
YB yellow birch	10.33%	3.76%	14.08%
WA white ash	7.04%	0.00%	7.04%
RM red maple	4.69%	0.94%	5.63%
BC black cherry	1.41%	0.00%	1.41%
RS red spruce	1.41%	0.00%	1.41%
WB white birch	0.47%	0.00%	0.47%
BAS basswood	0.00%	0.47%	0.47%
WP white pine	0.47%	0.00%	0.47%
Stand Total	75.59%	24.41%	100.00%

Basal area per acre by species and diameter

BA		DBH (in.)													
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	Stand Total	
AGS	SM sugar maple	-	3.2	6.3	6.3	6.3	11.1	7.4	5.3	4.2	-	2.6	-	52.6	
	YB yellow birch	1.1	0.5	0.5	1.1	1.6	3.2	3.2	0.5	-	-	-	-	11.6	
	WA white ash	-	-	0.5	2.6	1.1	0.5	2.1	1.1	-	-	-	-	7.9	
	RM red maple	-	-	-	1.1	1.1	-	2.1	-	0.5	0.5	-	-	5.3	
	BE beech	-	-	0.5	-	-	0.5	1.1	1.1	-	-	-	-	3.2	
	RS red spruce	-	-	-	-	-	1.1	0.5	-	-	-	-	-	1.6	
	BC black cherry	-	-	-	-	1.6	-	-	-	-	-	-	-	1.6	
	WB white birch	-	-	-	-	0.5	-	-	-	-	-	-	-	0.5	
	WP white pine	-	-	-	-	-	-	-	-	-	-	-	0.5	0.5	
AGS Total		1.1	3.7	7.9	11.1	12.1	16.3	16.3	7.9	4.7	0.5	2.6	0.5	84.7	
UGS	BE beech	0.5	1.1	2.1	3.2	3.2	3.2	2.1	-	-	-	-	-	15.3	
	SM sugar maple	-	0.5	2.6	1.1	0.5	-	-	1.1	-	0.5	-	-	6.3	
	YB yellow birch	-	-	-	0.5	-	-	1.1	1.6	-	-	0.5	0.5	4.2	
	RM red maple	-	-	-	-	-	0.5	-	0.5	-	-	-	-	1.1	
	BAS basswood	-	-	-	-	-	-	0.5	-	-	-	-	-	0.5	
UGS Total	0.5	1.6	4.7	4.7	3.7	3.7	3.7	3.2	-	0.5	0.5	0.5	27.4		
Stand Total		1.6	5.3	12.6	15.8	15.8	20.0	20.0	11.1	4.7	1.1	3.2	1.1	112.1	

Trees per acre by species and diameter

TPA		DBH (in.)													
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	26	28	Stand Total	
AGS	SM sugar maple	-	9	12	8	6	8	4	2	2	-	1	-	51	
	YB yellow birch	5	2	1	1	1	2	2	0	-	-	-	-	15	
	WA white ash	-	-	1	3	1	0	1	0	-	-	-	-	7	
	RM red maple	-	-	-	1	1	-	1	-	0	0	-	-	4	
	BE beech	-	-	1	-	-	0	1	0	-	-	-	-	2	
	BC black cherry	-	-	-	-	1	-	-	-	-	-	-	-	1	
	RS red spruce	-	-	-	-	-	1	0	-	-	-	-	-	1	
	WB white birch	-	-	-	-	0	-	-	-	-	-	-	-	0	
	WP white pine	-	-	-	-	-	-	-	-	-	-	-	-	0	
AGS Total	5	11	14	14	11	12	9	4	2	0	1	0	83		
UGS	BE beech	3	3	4	4	3	2	1	-	-	-	-	-	20	
	SM sugar maple	-	2	5	1	0	-	-	0	-	0	-	-	9	
	YB yellow birch	-	-	-	1	-	-	1	1	-	-	0	0	2	
	RM red maple	-	-	-	-	-	0	-	0	-	-	-	-	1	
	BAS basswood	-	-	-	-	-	-	0	-	-	-	-	-	0	
UGS Total	3	5	9	6	3	3	2	1	-	0	0	0	32		
Stand Total	8	15	23	20	15	14	11	5	2	0	1	0	115		

Regeneration (trees/acre):

Species	seedling	sapling
Beech	894	263
Sugar maple	105	52
Spruce	105	0
Ash	157	0
Yellow birch	0	105

Stand 21 (south of Basin Brook)

Forest type: Northern hardwoods

Size: 41.5 acres

Basal area: 100

TPA: 137

Stand age: 40+ years

QMD: 11.6"

History: early 1980s clearcut.

Stand stocking/acre (board foot volume)

Sum of Volume		DBH (inches)							
Product	Species	12	14	16	18	20	22	Stand Total	
2 Sawlog	SM sugar maple	72.5	-	125.8	780.8	450.6	-	1,429.6	
	YB yellow birch	118.0	120.6	642.0	-	-	-	880.6	
	BE beech	-	120.6	251.6	394.6	-	-	766.9	
	RM red maple	-	-	172.1	254.6	-	-	426.7	
	WA white ash	-	-	-	175.4	-	231.0	406.4	
	BC black cherry	-	-	297.9	-	-	-	297.9	
2 Sawlog Total		190.4	241.3	1,489.4	1,605.3	450.6	231.0	4,208.0	

Stand composition by Basal Area

BA	Tree Status		
Species	AGS	UGS	Stand Total
BE beech	8.33%	38.33%	46.67%
SM sugar maple	16.67%	3.33%	20.00%
YB yellow birch	15.00%	1.67%	16.67%
RM red maple	8.33%	0.00%	8.33%
WA white ash	5.00%	0.00%	5.00%
BC black cherry	3.33%	0.00%	3.33%
Stand Total	56.67%	43.33%	100.00%

Basal area per acre by species and diameter

BA		DBH (inches)										
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	Stand Total
AGS	SM sugar maple	-	1.7	1.7	1.7	-	1.7	6.7	3.3	-	-	16.7
	YB yellow birch	1.7	1.7	-	3.3	1.7	6.7	-	-	-	-	15.0
	BE beech	-	-	-	-	1.7	3.3	3.3	-	-	-	8.3
	RM red maple	1.7	-	-	1.7	-	1.7	3.3	-	-	-	8.3
	WA white ash	-	-	1.7	-	-	-	1.7	-	1.7	-	5.0
	BC black cherry	-	-	-	-	-	3.3	-	-	-	-	3.3
AGS Total		3.3	3.3	3.3	6.7	3.3	16.7	15.0	3.3	1.7	-	56.7
UGS	BE beech	3.3	8.3	3.3	5.0	6.7	6.7	5.0	-	-	-	38.3
	SM sugar maple	-	-	-	-	-	-	1.7	-	1.7	-	3.3
	YB yellow birch	-	-	-	-	1.7	-	-	-	-	-	1.7
UGS Total		3.3	8.3	3.3	5.0	8.3	6.7	6.7	-	1.7	-	43.3
Stand Total		6.7	11.7	6.7	11.7	11.7	23.3	21.7	3.3	3.3	-	100.0

Trees per acre by species and diameter

TPA		DBH (inches)										
Tree Status	Species	6	8	10	12	14	16	18	20	22	24	Stand Total
AGS	YB yellow birch	8	5	-	4	2	5	-	-	-	-	24
	SM sugar maple	-	5	3	2	-	1	4	2	-	-	16
	RM red maple	8	-	-	2	-	1	2	-	-	-	14
	BE beech	-	-	-	-	2	2	2	-	-	-	6
	WA white ash	-	-	3	-	-	-	1	-	1	-	5
	BC black cherry	-	-	-	-	-	2	-	-	-	-	2
AGS Total		17	10	6	8	3	12	8	2	1	-	67
UGS	BE beech	17	24	6	6	6	5	3	-	-	-	67
	SM sugar maple	-	-	-	-	-	-	1	-	1	-	2
	YB yellow birch	-	-	-	-	2	-	-	-	-	-	2
UGS Total		17	24	6	6	8	5	4	-	1	-	70
Stand Total		34	33	12	15	11	17	12	2	1	-	137

Regeneration (trees/acre):

Species	seedling	sapling
Beech	2500	166
Yellow birch	166	0

Stand 2, 3 (south side of Basin Brook)

Forest Type: Wetland & old pasture Light harvest 1984.

Size: 17.7 acres

No data collected. Too small to manage on it's own. Any harvesting should occur when Stand 5 is harvested.