

Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32051 Entry Year: 2027 Acreage: 8,751

County: Marquette

Management Area: Ralph Moraine

Stand Examiner: Jacob Siler

Legal Description:

T44N, R26W, Sections 8, 9, 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 35, 36T44N, R25W Sections 19, 29, 30, 31, 32

Identified Planning Goals:

The majority of this compartment constitutes the Bill Rollo Grouse Enhanced Management Site (GEMS). Management activities are prioritized by the GEM.

Soil and topography:

Terrain is relatively level to lightly sloping with soils ranging from mucks in the bog areas to excessively drained sands in the northeast portion of the compartment. Major soil associations include the Sagola-Rubicon Complex, Emmet-Escanaba, Paguin-Finch sand, and Rubicon sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

The area is predominately state-owned land, with one 40-acre private, non-industrial in-holding. The Bill Rollo Grouse Enhanced Management Site (GEMS) now contains most of the compartment. The area hosts a variety outdoor activity: hunting, fishing, hiking, and ATV/snowmobile riding.

Unique Natural Features:

The compartment is bordered by Chandlers Brook on the east side, Bryan Creek on the west and the West Branch of the Escanaba River on the south side. It contains Landon Lake and 3 ERA sites (Ecological Reference Area).

Archeological, Historical, and Cultural Features:

There is some evidence of old logging camps in this compartment but no major concerns.

Special Management Designations or Considerations:

The compartment contains the Bill Rollo Grouse Enhanced Management Site (GEMS). This compartment also contains 3 ERA sites; poor confier swamp, Management is guided by the Bill Rollo GEMS Management Plan.

Watershed and Fisheries Considerations:

This compartment contains Poplar Creek, Bryan Creek, Chandler Brook, Bobs Creek, Wilson Creek, and the West Branch Escanaba River. These streams are all designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 59.9 to 66.9°F (cold to cool streams). 300-ft buffers are recommended for these streams in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Ralph Moraine Management Area, on Ground Moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris; and deer wintering complexes. The following have been identified as featured species for the Ralph Moraine Management Area: American Woodcock, Blackburnian Warbler, Golden-winged Warbler, Wood Thrush, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear. For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

No known potential exists for commercial oil & gas production in this part of the state. The Kate's Grade sand & gravel pit is less than one mile west. While it is unclear whether the State owns the sand & gravel rights for the existing pit, the DNR had recently leased the undeveloped property just south of the pit to the Dickinson County Road Commission. That lease terminated last year without the DCRC ever developing the property. There is good potential for additional development of sand & gravel within the compartment on the upland drumlins. Historic abandoned iron mines occur roughly five miles northeast of the compartment. There is no history of exploration or mining within the compartment, and there is no current metallic mineral leasing activity involving State-owned mineral rights in the area. There may be some potential for the occurrence of metallic or critical minerals at depth beneath the compartment, but further investigation would be required, and, at this time, potential of future metallic mineral mining within the compartment is considered low. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access to the compartment is excellent via County Road 438, Perrin Bros. Road, and numerous 2-tracks.

Survey Needs:

Recreational Facilities and Opportunities:

Bill Rollo memorial GEM hosts hunting, hiking and snowshoeing. The compartment also contains many 2-tracks for hunting and fishing access. A snowmobile trail also runs down Perrin Bros Rd.

Fire Protection:

This compartment has a low risk for wildfire.

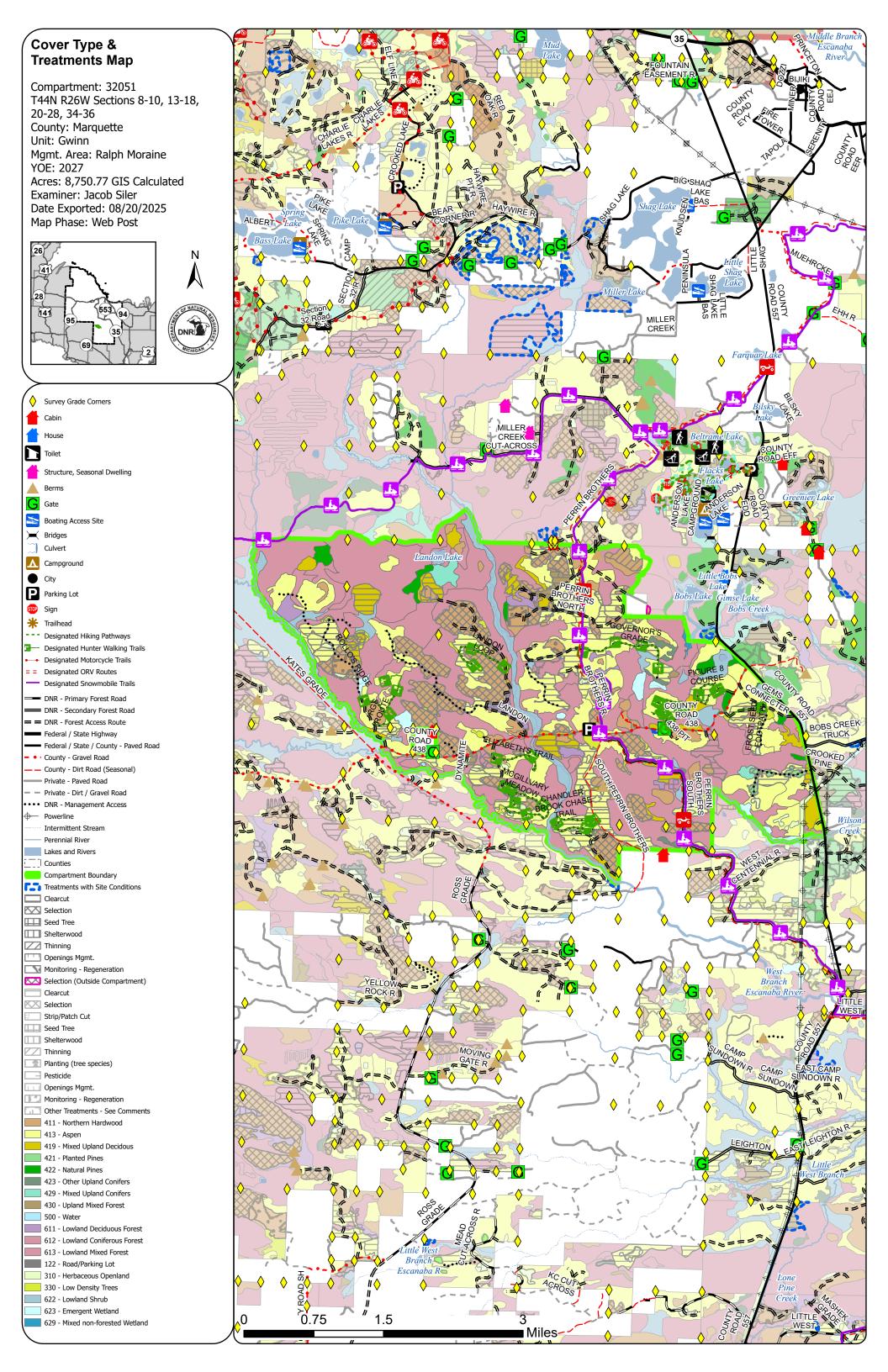
Additional Compartment Information:

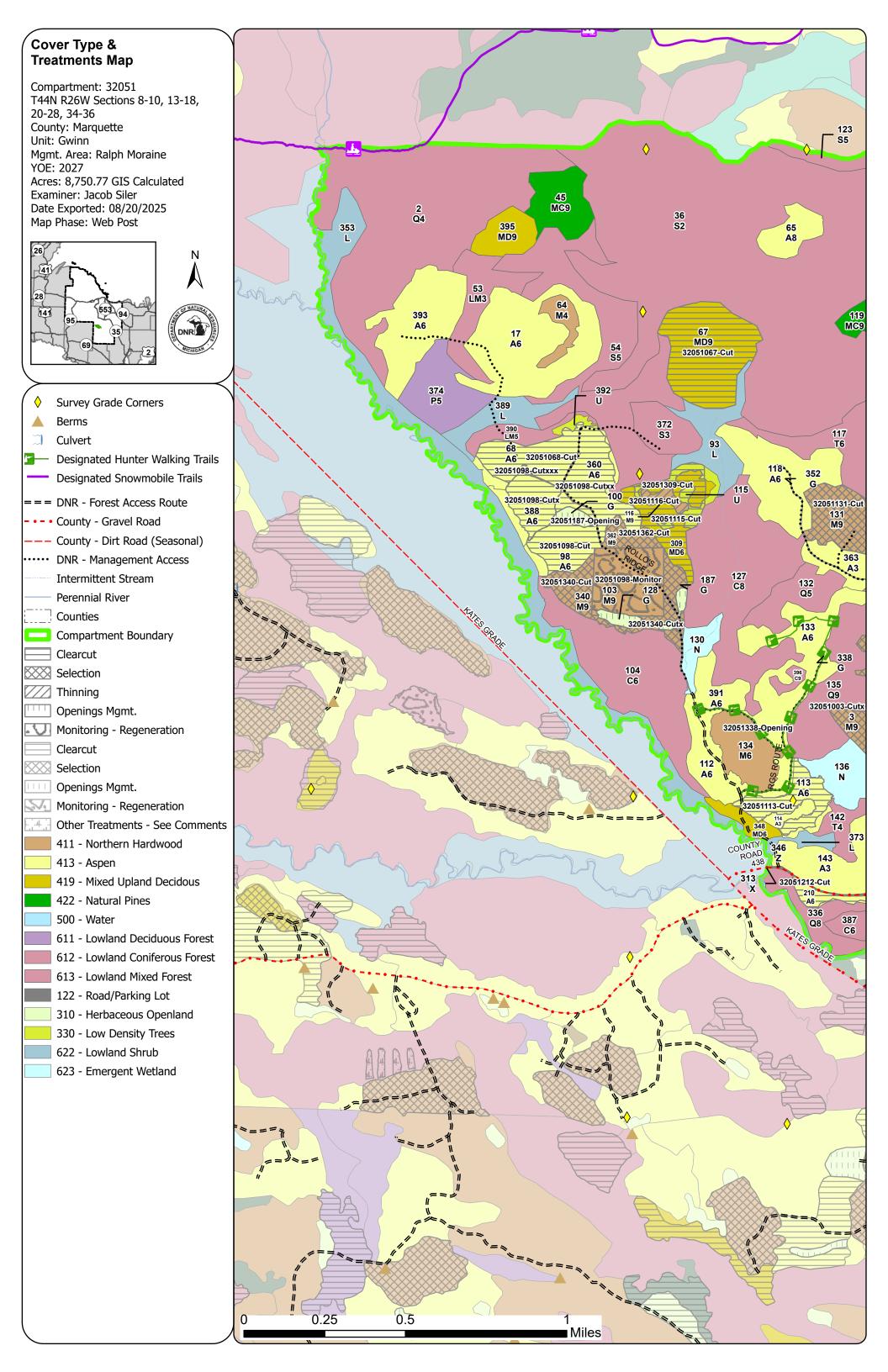
The following reports from the Inventory are attached:

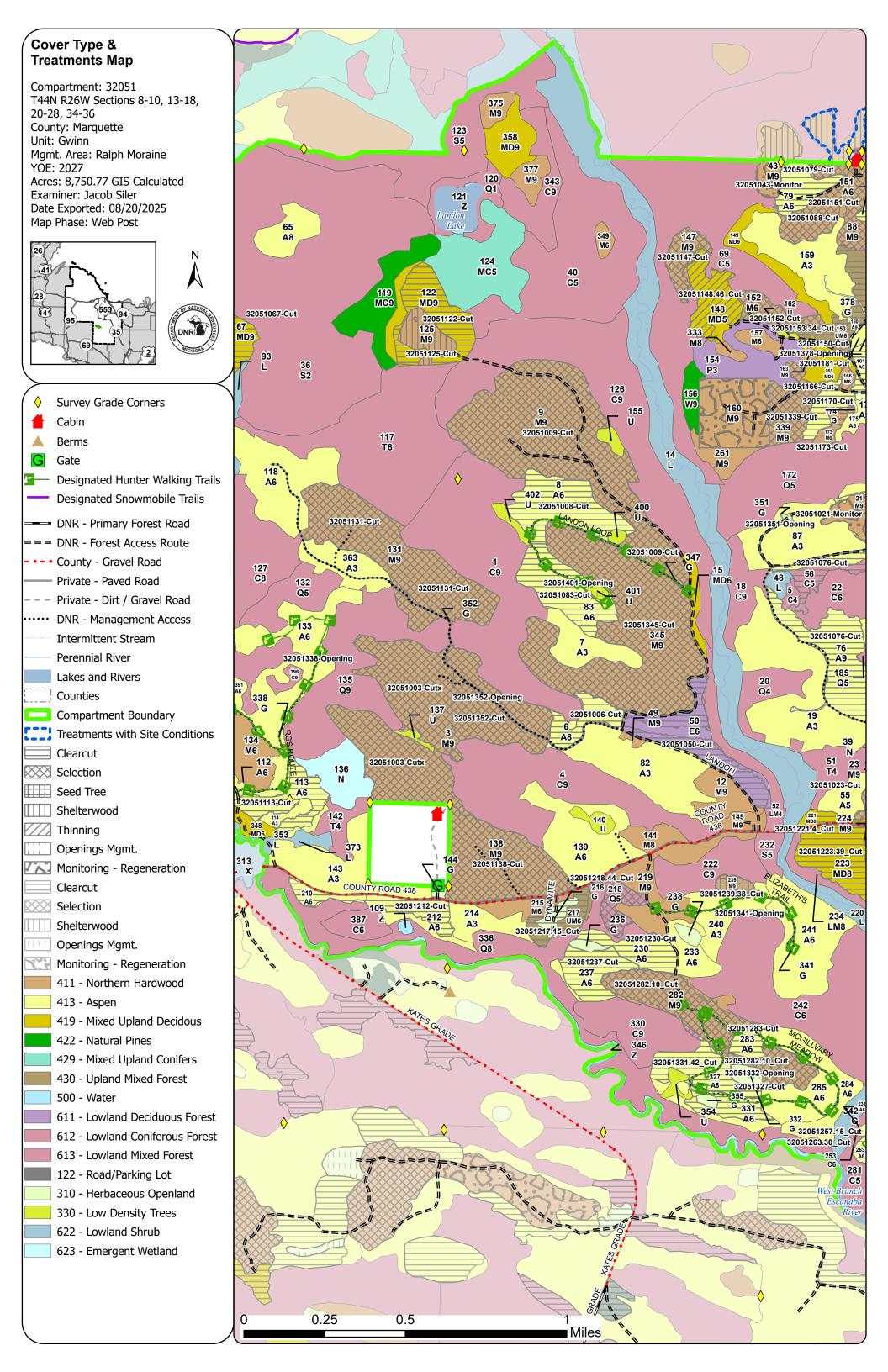
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

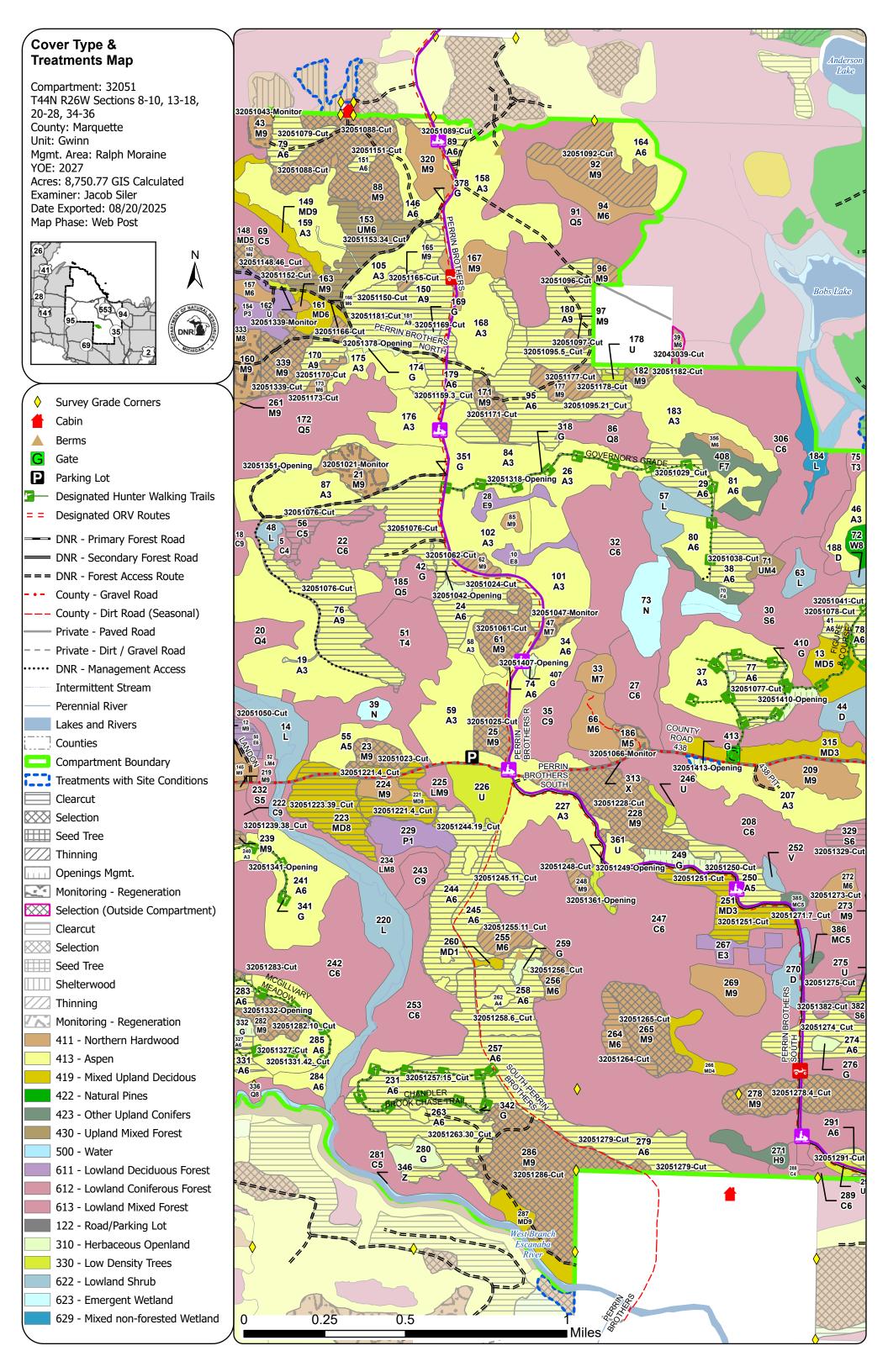
The following information is displayed, where pertinent, on the attached compartment maps:

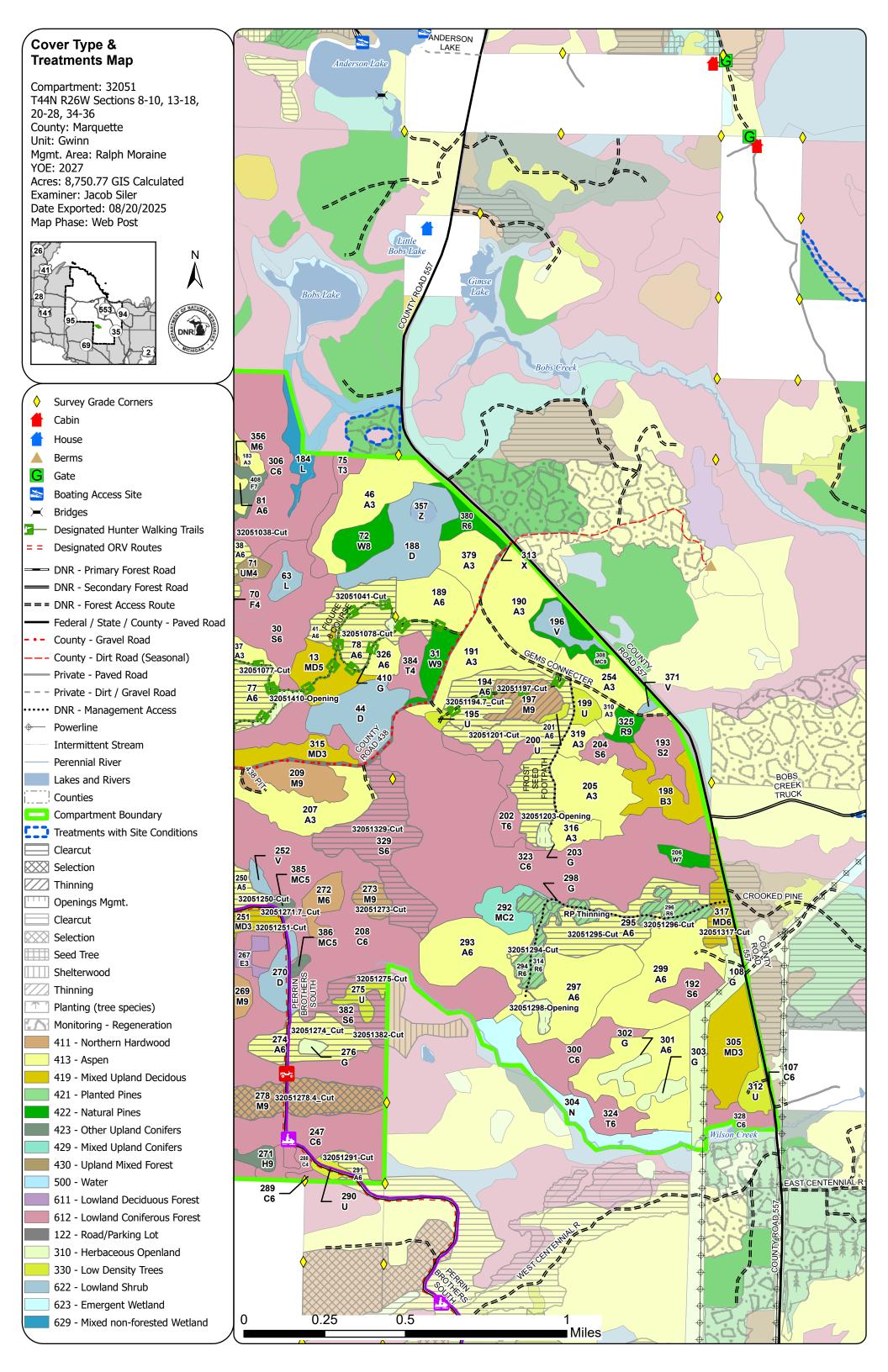
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

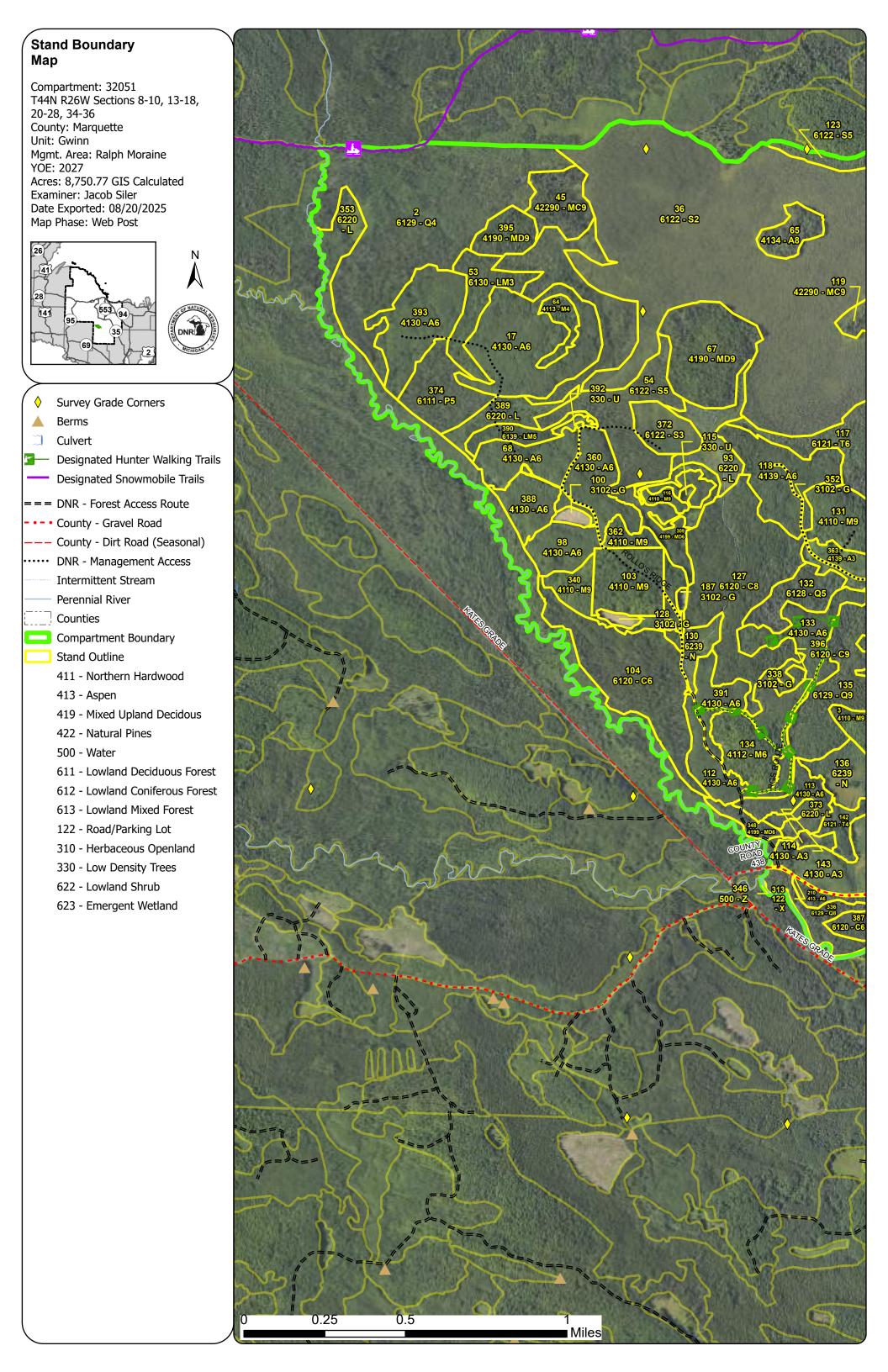


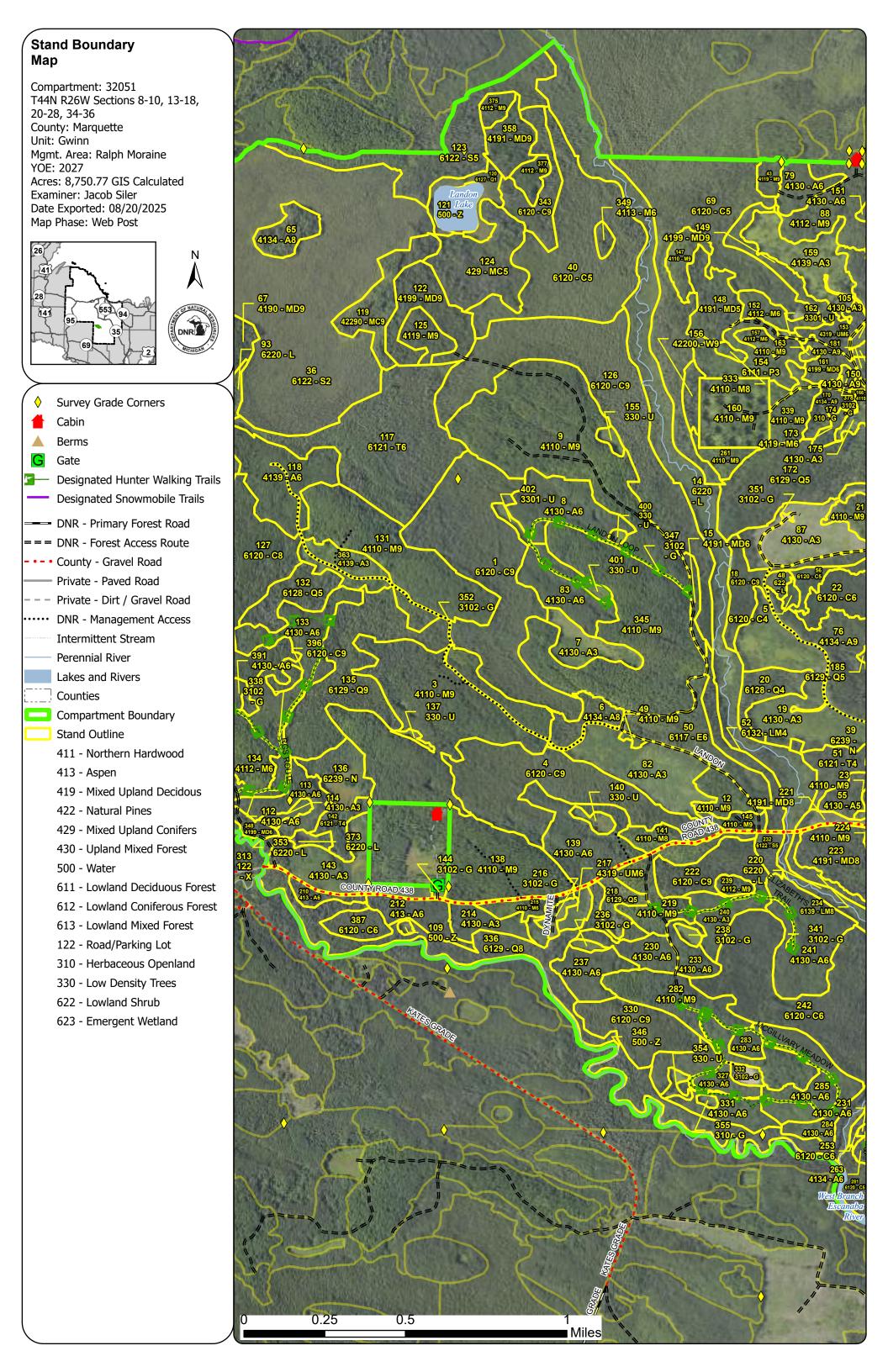


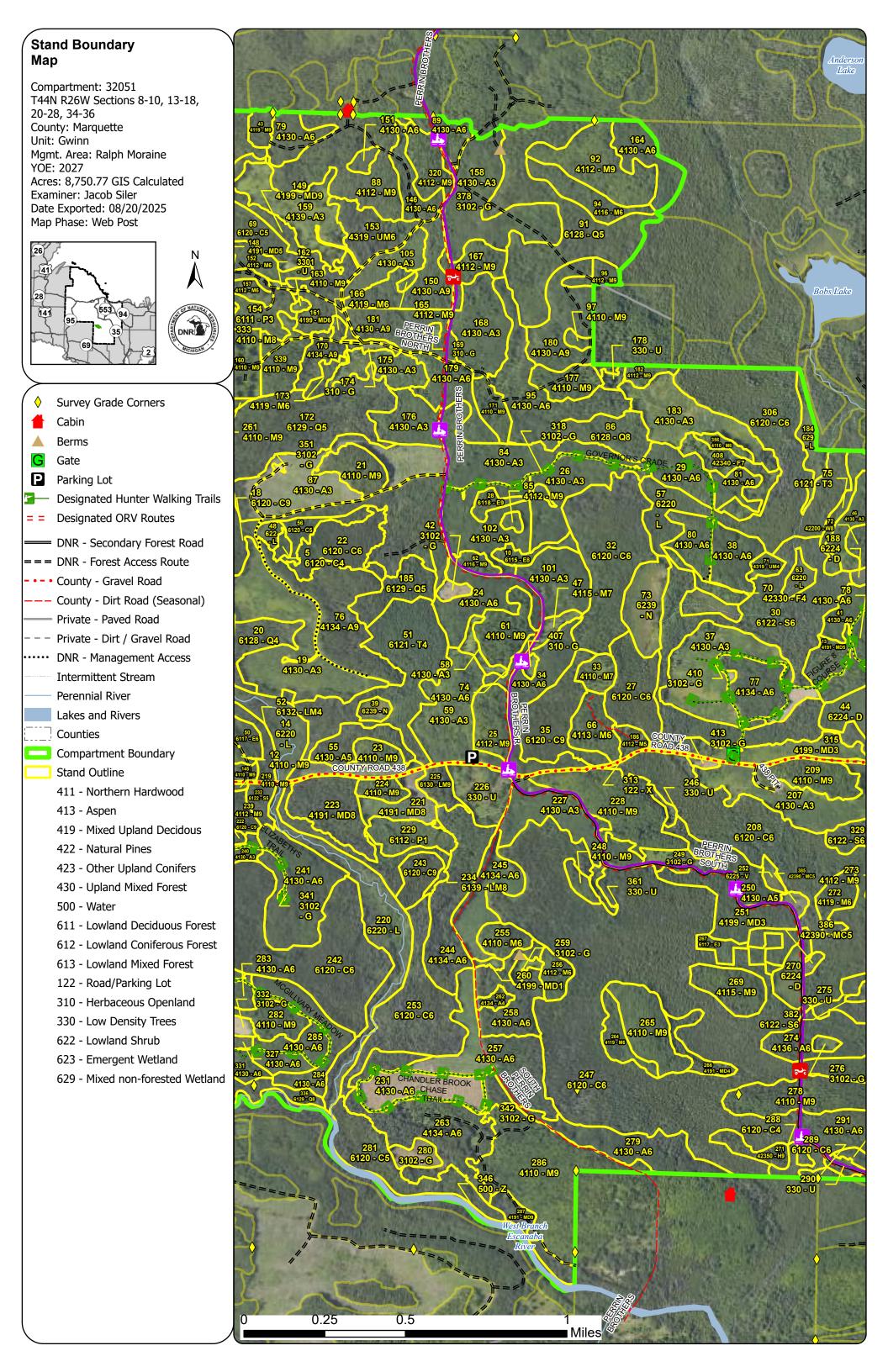


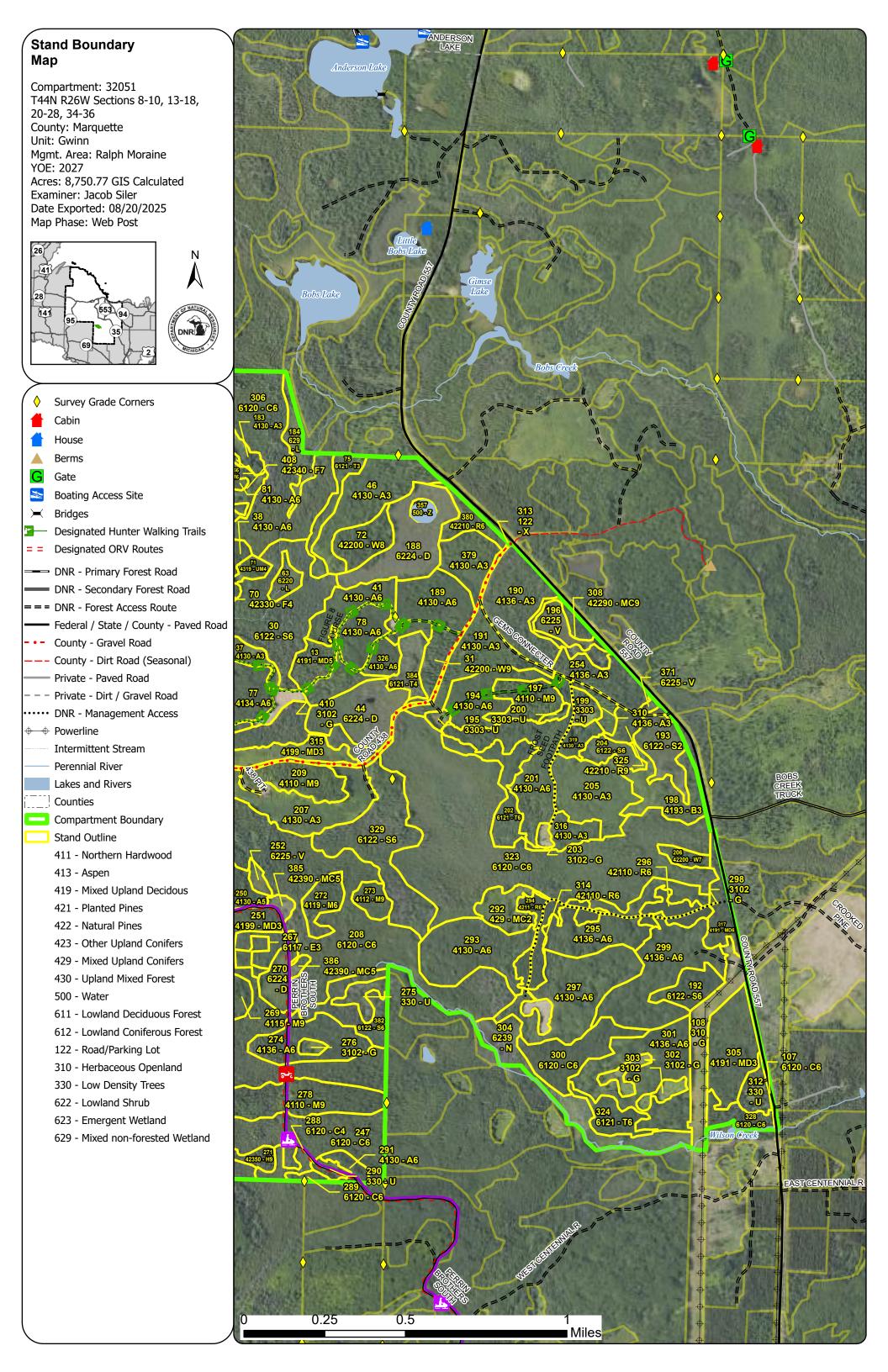


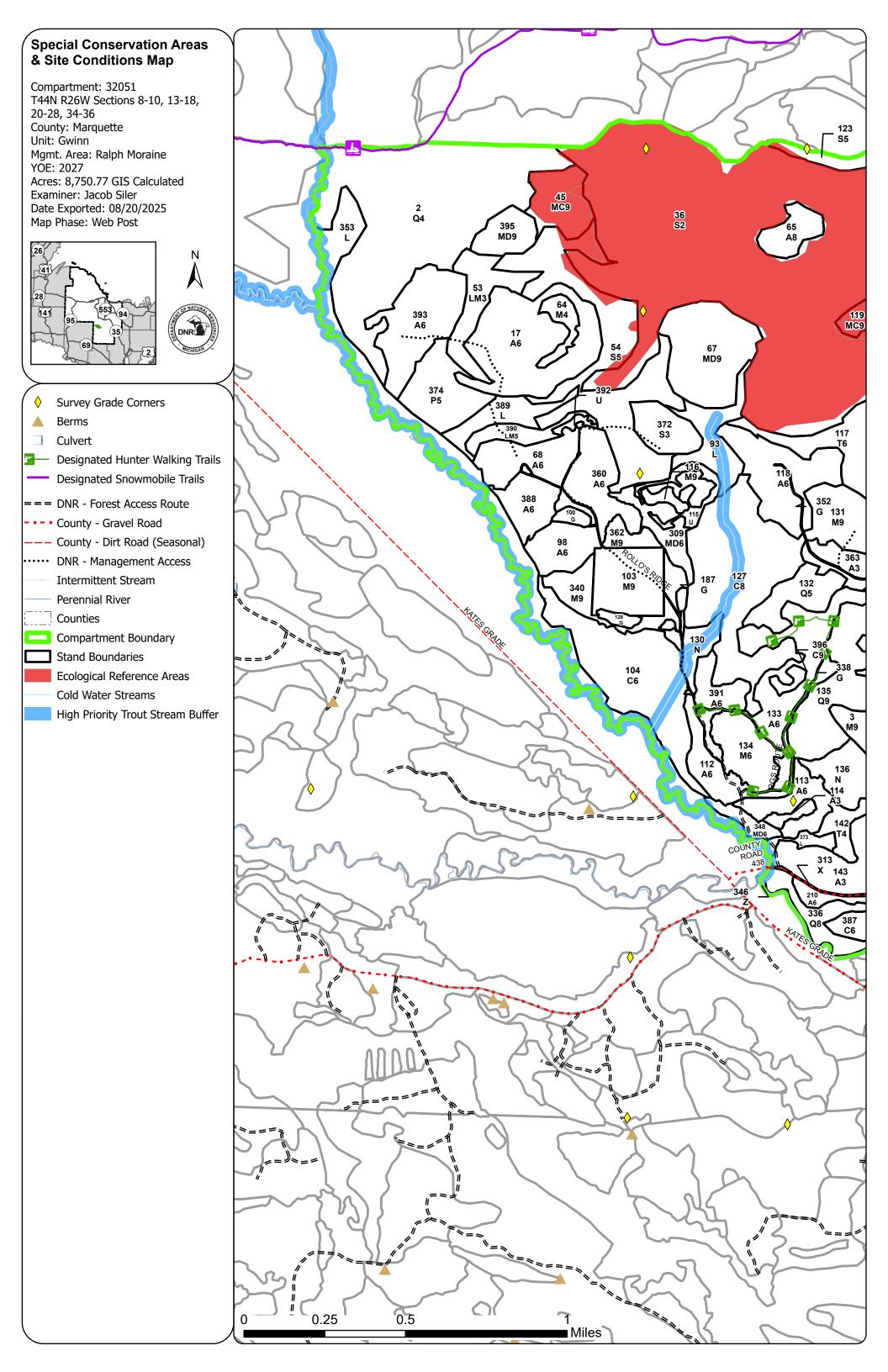


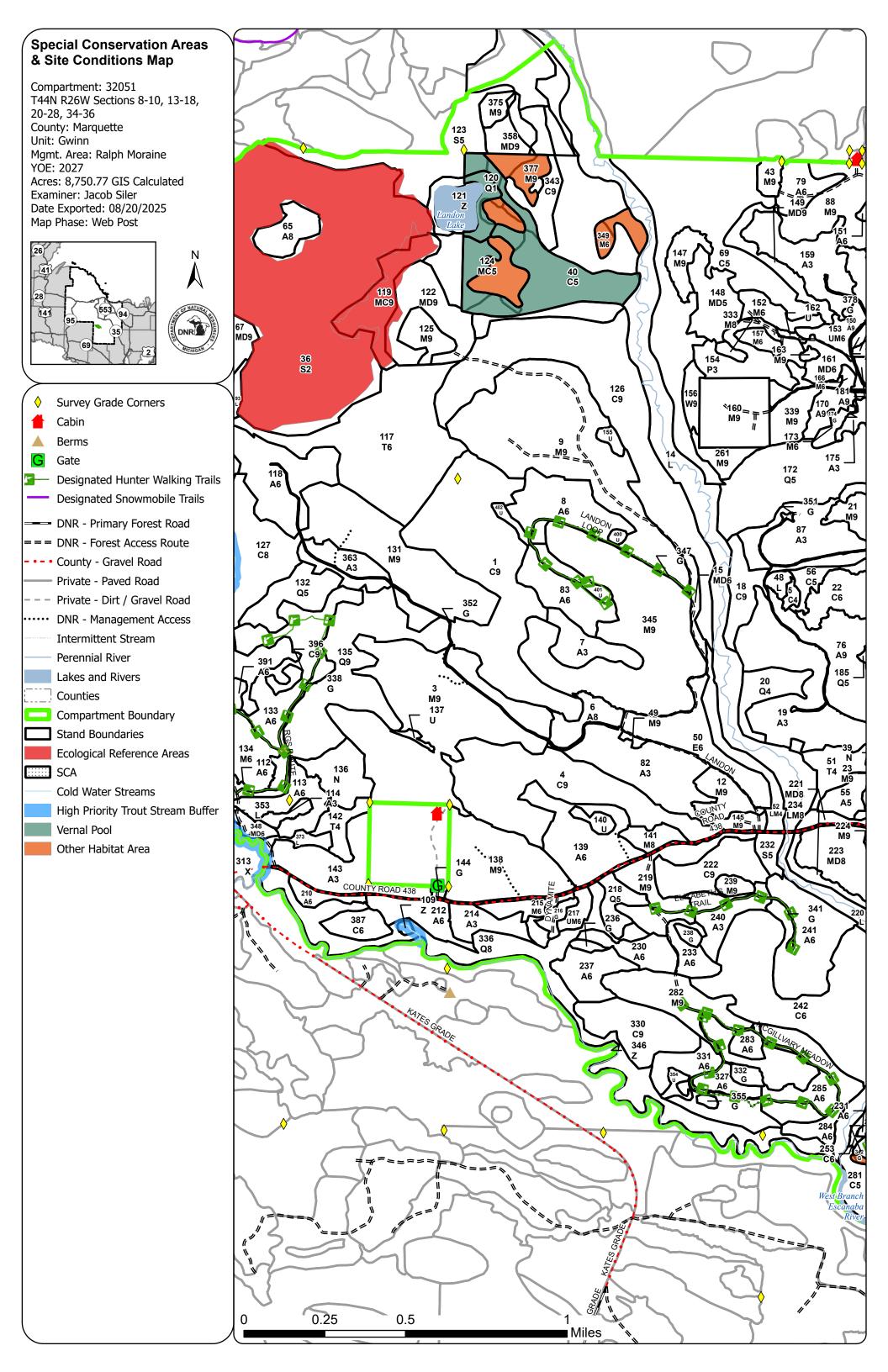


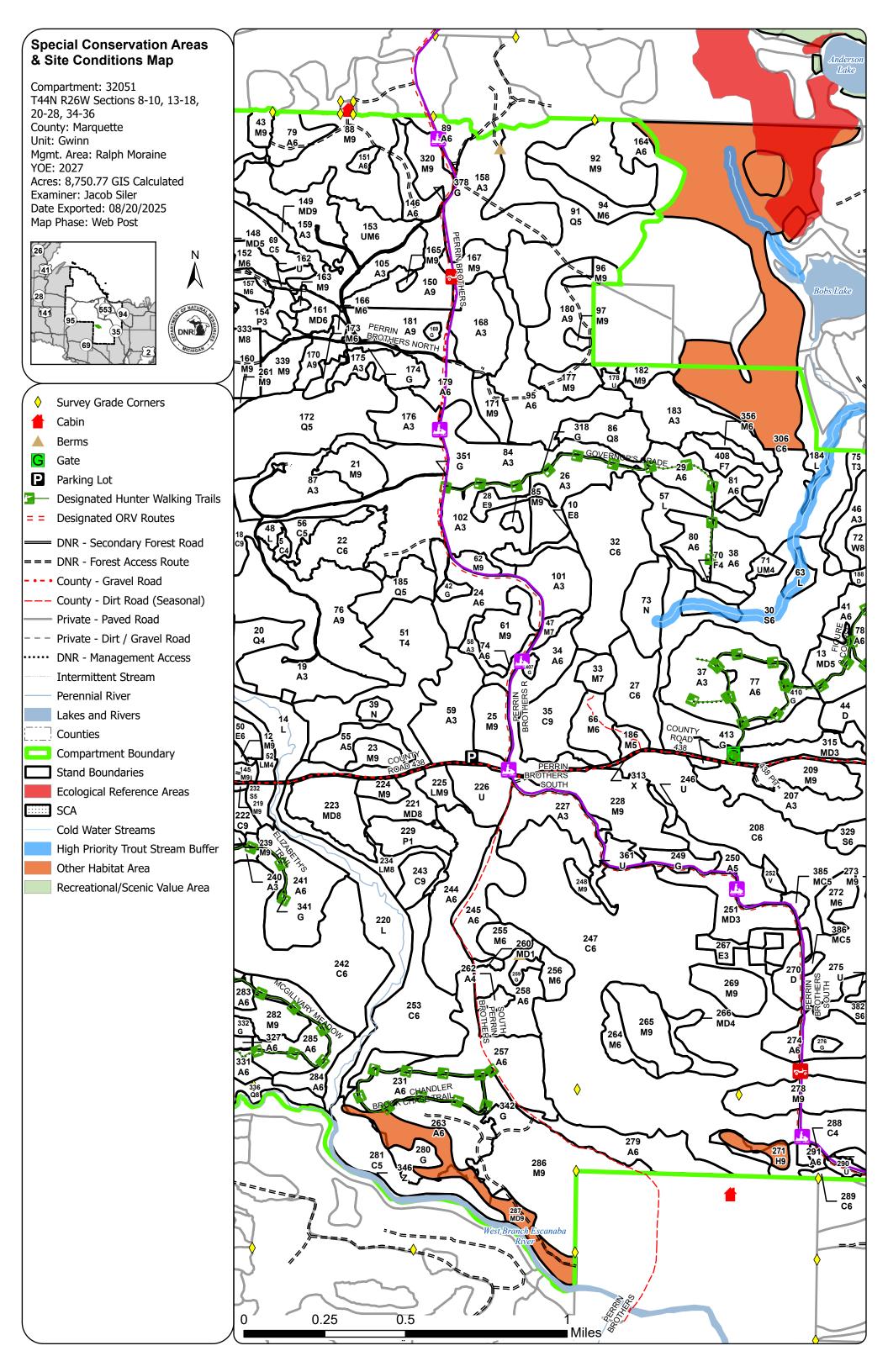


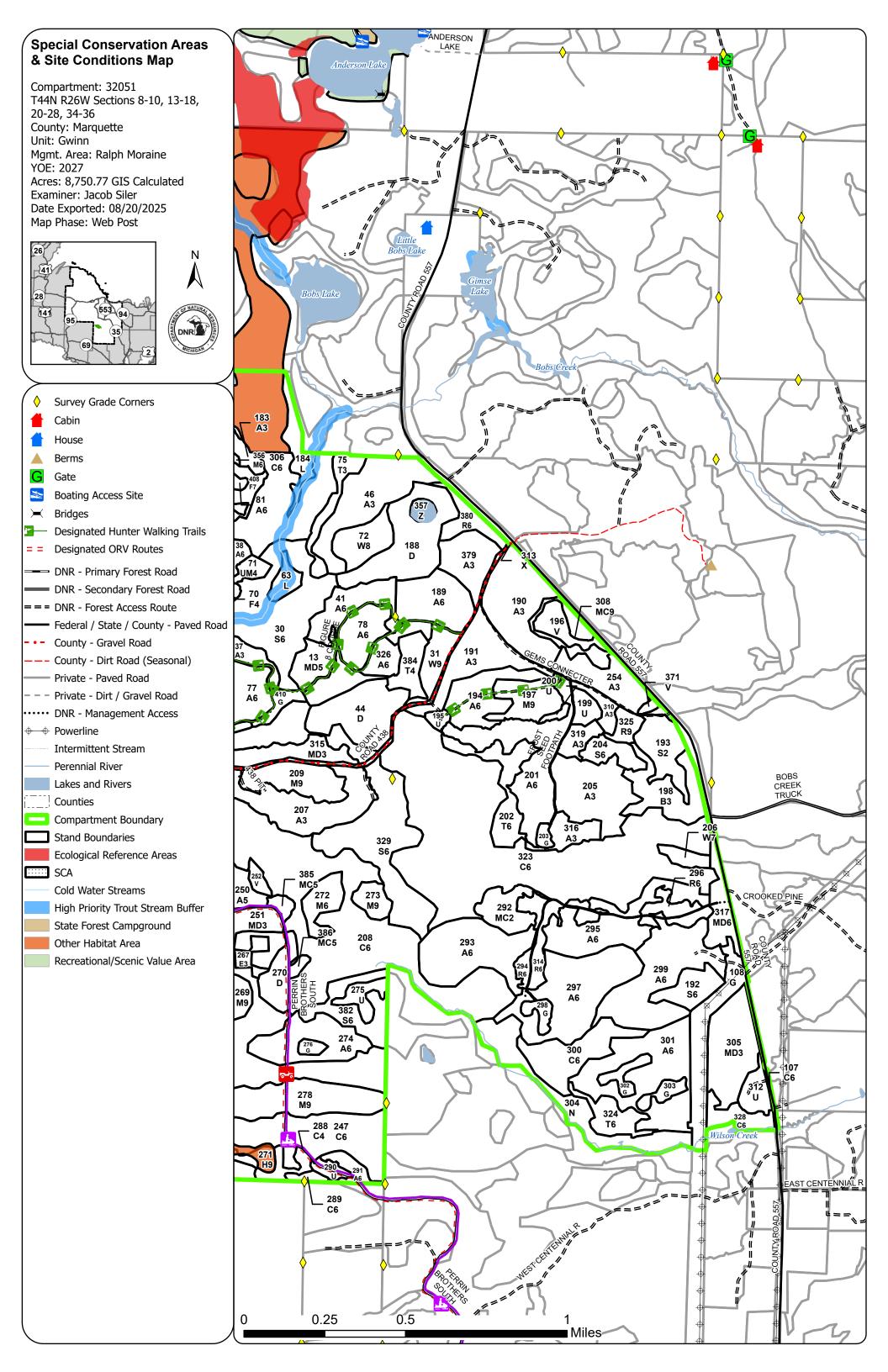












Compartment 51 Year of Entry 2027

Jacob Siler: Examiner

Gwinn Mgt. Unit



Age Class

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	/ ¥or	Koria /	s' / &		S S	3 / 15		8/8							?"/ <i>?</i> §			2 The	N. S.
Aspen	0	435	364	257	627	466	81	176	0	5	0	92	0	0	0	0	0	3	2506
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Cedar	0	0	0	0	0	0	0	0	6	0	103	217	324	162	352	124	559	46	1893
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8
Herbaceous Openland	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Low-Density Trees	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Lowland Aspen/Balsam Poplar	0	0	14	24	0	0	0	0	0	0	0	0	0	0	0	0	0	28	66
Lowland Conifers	0	0	0	12	0	0	0	0	0	0	0	252	0	29	0	0	79	165	537
Lowland Deciduous	0	0	0	9	0	0	0	0	6	0	0	36	0	0	0	0	0	0	51
Lowland Mixed Forest	0	0	0	0	10	0	0	16	0	15	7	0	0	0	0	0	0	24	72
Lowland Shrub	314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	314
Lowland Spruce/Fir	0	0	0	0	16	28	0	0	98	6	15	492	8	0	0	0	0	89	751
Marsh	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Mixed Upland Deciduous	0	19	0	36	43	41	0	47	73	0	21	0	0	0	0	0	0	70	350
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	47	0	55
Northern Hardwood	0	0	0	8	0	25	0	9	37	0	0	244	125	97	26	0	7	716	1294
Paper Birch	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Red Pine	0	0	0	0	0	25	0	0	9	0	5	0	0	0	0	0	0	0	39
Tamarack	0	0	0	10	19	11	0	0	10	0	10	0	151	0	0	0	0	0	210
Treed Bog	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Upland Conifers	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4	41	57
Upland Mixed Forest	0	0	0	0	4	0	0	35	0	0	0	0	0	0	0	0	0	0	39
Upland Spruce/Fir	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	16	22
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Water	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
White Pine	0	0	0	0	0	0	0	0	0	0	23	0	0	5	0	0	0	6	33
Total	750	454	410	356	725	596	81	283	239	26	193	1333	608	293	386	124	696	1204	8753



Report 2 – Treatment Summary

Gwinn Mgt. Unit Year of Entry: 2027

Acres of Harvest

Compartment 51
Total Compartment Acres: 8,751

Commercial Harvest - 4833 Harvests with Site Condition - 0 Next Step Harvest - 12 Habitat Cut - 0

Cover Type by Harvest Method

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				To the state of th			O LANGE L	initial Sol	Rough Co	8		1
Aspen		917	0	0	0	0	0	0	0	0	917	
Cedar		4	0	0	0	0	0	0	0	0	4	
Herbaceous Openland		1	0	0	0	0	0	0	0	0	1	
Low-Density Trees		16	0	0	0	0	0	0	0	0	16	
Lowland Conifers		0	9	0	0	0	0	0	0	0	9	
Lowland Deciduous		24	0	0	0	0	0	0	0	0	24	
Lowland Spruce/Fir		46	0	0	0	0	0	0	0	0	46	
Mixed Upland Deciduous		173	0	0	0	0	18	0	0	0	191	
Northern Hardwood		20	833	0	3	11	89	0	0	0	957	
Red Pine		0	0	0	0	0	26	0	0	0	26	
Upland Mixed Forest		39	0	0	0	0	0	0	0	0	39	
	Total	1241	843	0	3	11	132	0	0	0	2230	

Proposed and Next Step Treatments by Method

		/					in land	90 / N		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ሬ / ኤ	\$ 1
Current		2230	0	0	0	0	0	88	0	0	2375	ĺ
Next Step		12	0	7	0	0	0	2080	44	329	2733	
	Total	2242	0	7	0	0	0	2167	44	329	5108	

Stand

CoverType

Size

Density

Stand

Age

BA

Range

Structure

Cover Type

Objective

d

7	DNR DUR
ae	Habitat

Cut

Proposed	Treatments:
 	1100ttt01

Treatment

Name

39 32043039-Cut 2.2 4112 - Maple, 6 105 111- Harvest Selection 411 - Northern Current No Beech, Cherry 140 Hardwood

Treatment

Type

Treatment

Method

<u>Prescription</u>
Specs:
Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Acres

Treatments:

Acceptable birch, maple. pine, cherry, hemlock

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

3 32051003-Cutx 84.0 4110 - Sugar Maple 9 120 111- Harvest Selection 4110 - Sugar Current No Association 140 Maple Association

Prescription Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.

Specs: 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, cherry, basswood

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

8 32051008-Cut 30.7 4130 - Aspen 6 37 81-110 Harvest Clearcut 413 - Aspen Planting No Record

Record

<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Leave retention as islands. Do not cut cedar, white pine, red pine, and hemlock. Create 5 to 6 Specs: drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, birch, maple BAM, cherry

Regen:

Other Comment:

Site Condition:

32051025-Cut 14.8 4112 - Maple, 9 108 111-Harvest Selection 4112 - Maple, Current No Beech, Cherry 140 Beech, Cherry Association Association

<u>Prescription</u>
Specs:
Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.

10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

pecs: 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps are

Next Step Monitoring, Natural Regen (Intermediate) Treatments:

Acceptable maple, cherry, pine, hemlock, birch, basswood, ash

Other Comment:

Regen:

Site Condition:

Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, Prescription Specs: from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component.

140

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, mixed hardwood, mixed conifer

<u>Other</u>

Regen:

Comment: Site Condition:

Proposed Start Date: 10/01/2026

32051041-Cut 15.7 4130 - Aspen 6 32 81-110 Harvest Clearcut **Planting** No 413 - Aspen Record

Prescription Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, cherry, white pine and red pine. Create 2 to 4 drumming logs, at least 8 Specs: feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer com

Next Step Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Aspen, mixed hardwood, mixed conifer

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

32051042-2113 - Forage 42 3102 - Grass 99 Openings Mgmt. Openings Mgmt. Previous No 3.1 Opening Crops Inventory

Prescription Cultivated to clover plot

Specs:

Next Step Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting

Treatments:

Acceptable Cool season forbs

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 05/01/2025

Record

S t		Gwinr	n Mgt. Unit		Repor	t3 '	Treatments		Compartmen Year of Entry		DNR MATURAL AND MATURA AND MATURAL AND MATURA AND MATURAL AND MATURA AND MATURAL AND MATURA AND MATURAL AND MATURA AN
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
61	32051061-Cut	17.8 4	110 - Sugar Maple Association	9	108	81-110	Harvest	Selection	4110 - Sugar Maple Association	Current	No
Pres Spec		a basal are	ea of 60sqft. Mark to	improve o	quality a	nd provide	e light for regene	eration.			
	t Step Monito htments:	ring, Natura	al Regen (Intermedia	ate)							
Acce Rege		birch, bass	swood, cherry.								
Othe Com	<u>er</u> nment:										
	Condition: posed Start Date	<u>:</u> 10/01/20	031								
62	32051062-Cut		4116 - Mixed N. Hardwood - Aspen	9	108	111- 140	Harvest	Thinning	4116 - Mixed N. Hardwood - Aspen	Current	No
Pres Spec			ea of 80sqft. Mark to	improve o	quality. L	eave all s	species represen	nted. Favor yellow b	irch for retention a	nd retain som	ne large
	t Step Monito atments:	ring, Natura	al Regen (Re-Invento	ory)							
Acce Rege		maple, bird	ch, pine, spruce, fir, a	ash, oak, I	BAM						
Othe Com	e <u>r</u> nment:										
	Condition:	: 10/01/20	031								
67	32051067-Cut	_	190 - Mixed Upland Deciduous with	9	64	141- 170	Harvest	Clearcut	4199 - Other Mixed Upland	Planting Record	No

67 32051067-Cut 47.5 4190 - Mixed Upland 9 64 141- Harvest Clearcut 4199 - Other Planting N
Deciduous with 170 Mixed Upland Record
Cedar Deciduous

<u>Prescription</u> Specs: Cut all trees 2 inches and greater at DBH. Green tree 1, preferably log sized, sugar maple or birch for every acre of treatment. Exclude cedar areas where practical. Do not cut cedar, hemlock and pine. Winter cut only

areas where practical. Do not cut cedal, hermock and pine. White cut on

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, aspen, BAM, spruce, fir, cedar, pine, hemlock, cherry

Regen:

Other ERA to the North and start of cold-water stream to the south. Lowland crossing will require care and more than likely mats. I did not observe any

Comment: stream where lowland crossing area will be needed. I don't believe stream buffer will be needed, as stream or

Site Condition:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

 88
 32051088-Cut
 50.5
 4112 - Maple, Beech, Cherry
 9
 106
 111- Harvest
 Selection
 4112 - Maple, Beech, Cherry
 No

Association

<u>Prescription</u>
Specs:
Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.
10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, cherry, basswood

Regen:
Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2031

Association

Gwinn Mgt. Unit

Report 3 -- Treatments

Compartment: 32051 Year of Entry: 2027

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Treatment Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Name CoverType Range Method Objective Structure Density Type d Age Cut 89 32051089-Cut 9.5 4130 - Aspen 111-Harvest Clearcut 413 - Aspen **Planting** No 140 Record Cut all trees 2 inches and greater at DBH. Do not cut, cherry, cedar, hemlock, white pine and red pine. Create 1 to 2 drumming logs, at least 8 Prescription feet long, from trees optimally 9-15 inches in size, if available. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable aspen, birch, cherry, pine, maple, BAM Regen: **Other** no retention needed Comment: Site Condition: Proposed Start Date: 10/01/2031 4110 - Sugar 32051092-Cut 32.3 4112 - Maple, 9 106 111-Harvest Thinning Current No Beech, Cherry 140 Maple Association Association Prescription Thin to a BA of 80sqft. Mark to improve quality. Remove red maple when possible. Do not cut basswood. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/01/2031 4112 - Maple, 96 32051096-Cut 5.4 9 100 111-Harvest Thinning 4112 - Maple, Current No Beech, Cherry 140 Beech, Cherry Association Association Prescription Thin to basal area of 80sqft. Mark to improve quality. Do not cut basswood. Specs: Next Step Treatments: Acceptable maple, birch, cherry, spruce, fir, pine, cedar, and hemlock Regen:

Other Comment:

Site Condition:

s t	Gwinn	Mgt. Unit		Repor	rt 3 1	Freatments		Compartmer Year of Entr		DNR	
a n Treatment d Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut	
97 32051097-C	ıt 2.2 4	110 - Sugar Maple Association	9	106	111- 140	Harvest	Thinning	4110 - Sugar Maple Association	Planting Record	No	
Prescription Thin Specs:	o a basal are	ea of 80sqft. Mark to	improve o	quality.							
Next Step Treatments:											
Acceptable Regen:											
<u>Other</u> Comment:											
Site Condition:											
Proposed Start Da 115 32051115-Ci		26 	99			Harvest	Clearcut	4130 - Aspen	Planting	No	
115 32051115-0	IL 1.2 .	Trees	99			пагческ	Clearcut	4130 - Aspen	Record	INC	
<u>Prescription</u> Cut a <u>Specs:</u>	II trees 2 inch	nes and greater at d	bh. Do not	cut cher	rry, cedar,	hemlock, red pi	ne, and white pine				
<u>Next Step</u> Moni <u>Treatments:</u>	oring, Natura	ll Regen (Re-Invento	ory); Plant	ing, Inte	rplant						
Treatments:		ll Regen (Re-Invento cherry, birch, spruc		ing, Inte	rplant						
Treatments: Acceptable aspe				ing, Inte	rplant						
Treatments: Acceptable aspe Regen: Other				ing, Inte	rplant						
Treatments: Acceptable aspe Regen: Other Comment:	n, BAM, pine,	cherry, birch, spruc		ing, Inte	rplant						
Treatments: Acceptable aspe Regen: Other Comment: Site Condition:	n, BAM, pine,	cherry, birch, spruc		120	111- 140	Harvest	Thinning	4110 - Sugar Maple Association	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Ci	e: 10/01/20	cherry, birch, spruc	ee, and fir	120	111-	Harvest	Thinning	Maple	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Co	e: 10/01/20	31 110 - Sugar Maple Association	ee, and fir	120	111-	Harvest	Thinning	Maple	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Cu Prescription Thin Specs: Next Step	e: 10/01/20 nt 3.5 4 o a basal are	31 110 - Sugar Maple Association	ee, and fir	120	111-	Harvest	Thinning	Maple	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Co Prescription Thin Specs: Next Step Treatments: Acceptable maple	e: 10/01/20 nt 3.5 4 o a basal are	31 110 - Sugar Maple Association	ee, and fir	120	111-	Harvest	Thinning	Maple	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Comments Prescription Thin Specs: Next Step Treatments: Acceptable maple Regen: Other	e: 10/01/20 nt 3.5 4 o a basal are	31 110 - Sugar Maple Association	ee, and fir	120	111-	Harvest	Thinning	Maple	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Co Prescription Thin Specs: Next Step Treatments: Acceptable mapl Regen: Other Comment:	e: 10/01/20 at 3.5 4 o a basal are e, basswood,	31 110 - Sugar Maple Association a of 80sqft. Follow cherry, and birch	ee, and fir	120	111-	Harvest	Thinning	Maple	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Comment: Specs: Next Step Treatments: Acceptable maple Regen: Other Comment: Site Condition: Proposed Start Da	e: 10/01/20 at 3.5 4 o a basal are e, basswood, e: 10/01/20 at 24.1 4	31 110 - Sugar Maple Association a of 80sqft. Follow cherry, and birch	ee, and fir	120 marker.	111-	Harvest	Thinning	Maple	Current	No	
Treatments: Acceptable aspe Regen: Other Comment: Site Condition: Proposed Start Da 116 32051116-Cu Prescription Thin Specs: Next Step Treatments: Acceptable mapl Regen: Other Comment: Site Condition: Proposed Start Da 122 32051122-Cu Prescription Cut a	e: 10/01/20 t 3.5 4 to a basal are e, basswood, e: 10/01/20 t 24.1 4	31 110 - Sugar Maple Association ea of 80sqft. Follow cherry, and birch 31	9 complete r	120 marker. 70 ot cut wh	111- 140 81-110 iite pine, re	Harvest	Clearcut	Maple Association	Planting Record	No	

Probably best suited as a winter cut. Access road from stand 9 was lifted out of the swamp in the 50s/60s. I observed 1 culvert but not sure if a stream is present.

Proposed Start Date: 10/01/2031

Other F
Comment: s
Site Condition:

Gwinn Mgt. Unit	Report 3 Treatments

Compartment: 32051

Northern

Hardwoods

S t									Year of Entr	y: 2027	DNR
а	T	A	Otamal	0:	C4	В.	Tue - tue - ut	Tue et e t	Carran Trus	A	MICHIGAN W
n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Туре	Method	Objective	Structure	Cut
125	32051125-Cut	10.6	4119 - Mixed	9	120	111-	Harvest	Shelterwood	4119 - Mixed	Current	No

Prescription Mark to retain residual BA of 40 to 60sqft, cutting all remaining trees 2 inches and greater at DBH. Focus on leave sugar maple and basswood. Specs: Do not cut hemlock, white pine, red pine and cedar. Do not cut trees meeting legacy tree guidelines. Exclude area

140

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, pine, cedar, hemlock, basswood, aspen, BAM, spruce, fir, cherry

Northern Hardwoods

Regen:

Other Access road from stand 9 was lifted out of the swamp in the 50s/60s. I observed 1 culvert but not sure if a stream is present.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

131 32051131-Cut 67.6 4110 - Sugar Maple 106 111-Harvest Selection Current 4110 - Sugar No Association 140 Maple Association

<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. Specs:

10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, basswood, birch, cherry, hemlock

Regen: Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

138 32051138-Cut 47.5 4110 - Sugar Maple 120 81-110 Harvest Selection 4110 - Sugar Current No Association Maple Association

Prescription Thin to a basal area of 60sqft. Mark to improve quality and provide light for regeneration. Favor large healthy basswood for retention when Specs:

Next Step Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable maple, basswood, birch, hemlock

Regen:

Other Comment:

Site Condition:

Site Condition:

Proposed Start Date: 10/01/2031

165 32051165-Cut 1.2 4112 - Maple, 9 100 111-Harvest Thinning 4112 - Maple, Current No Beech, Cherry 140 Beech, Cherry Association Association

<u>Prescription</u> Thin to a basal area of 90sqft. Focus on improving quality and removing red maple. Do not cut yellow birch.

Specs:

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

<u>Acceptable</u> maple, pine, birch, spruce, cherry, cedar, hemlock

Regen:

Other No long-term retention.

Comment:

Site Condition:

s t		Gwinn	n Mgt. Unit		Repor	t 3 1	Treatments		Compartmen Year of Entry		DNR DNR
a n Tr d	reatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
	051177-Cut		110 - Sugar Maple Association	9	106	111- 140	Harvest	Thinning	4110 - Sugar Maple Association	Planting Record	No
Prescript Specs:	tion Thin to a	a basal are	ea of 80sqft. Mark to	improve o	quality. D	o not ma	rk white ash.				
<u>Next Ste</u> <u>Treatme</u>											
Acceptal Regen:											
<u>Other</u> Commer		sh to be re	tained for cavity tree	es.							
Site Con											
	d Start Date:										
178 32	051178-Cut	2.4	330 - Low-Density Trees	99			Harvest	Clearcut	330 - Low- Density Trees	Previous Inventory	No
Prescript Specs:	tion Cut all t	rees 2 inch	nes and greater at DI	ВН.							
Next Ste Treatme	_	estMgt, Mo	owing								
Accepta	<u>ble</u> aspen, r	naple, spr	uce, fir, pine, birch, o	cherry, her	baceous	plants					
Regen: Other Commer	nt:										
Site Con											
<u>Propose</u>	d Start Date:	10/01/20	26								
181 32	051181-Cut	24.1	4130 - Aspen	9	49	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
Prescript Specs:			nes and greater at Dl e. Green tree a few							aple and/or b	irch trees,
Next Ste Treatme		ng, Natura	ıl Regen (Re-Invento	ory)							
Acceptal Regen:	<u>ble</u> aspen, r	naple, spr	uce, fir, pine, BAM								
Other Comme	nt:										
Site Con	dition:										
<u>Propose</u>	d Start Date:	10/01/20	31								
	051182-Cut	4.5	4112 - Maple, Beech, Cherry	9	105	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
182 32			Association								
<u>Prescript</u>										ees on the ga	ap edge.
	10% of <u>p</u> Monitori	the treatm	Association of 80sqft. Mark to in	nposed of						ees on the ga	ap edge.
Prescript Specs: Next Ste Treatme	10% of Monitorints:	the treatm ng, Natura	Association of 80sqft. Mark to in ent area is to be con	nposed of						ees on the ga	ap edge.

Proposed Start Date: 10/01/2026

Site Condition:

OR NATURAL PROPERTY OF THE PRO
Habitat

S t										Year of Entr	y: 2027	DNR
a n ¹ d	Treatme Name		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
187	320511 Openi		9.4	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
Prescri Specs:									sary. Plant and trim rees/shrubs; and a		and/or mainta	ain mast-
Next St Treatm		pening	s Mgmt., (Grass/Forb Plantinດຸ	g; Opening	s Mgmt	., Grass/F	Forb Planting				
Accepta Regen:		Cool sea	son forbs									
Other Comme	ent:											
Site Co	ndition:											
Propos	ed Start	Date:	05/01/20	25								
197 3	205119	7-Cut	14.0 4	110 - Sugar Maple Association	9	120	81-110	Harvest	Thinning	411 - Northern Hardwood	Current	No
Prescri Specs:	_					. ,			ed. Do not cut yello areas with low bas		r large basswo	ood for
Next St Treatm												
Accepta Regen:												
Other Comme	ent:											
Site Co	ndition:											
Propos	ed Start	Date:	10/01/20	31								
201 3	205120	1-Cut	36.3	4130 - Aspen	6	42	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
Prescri Specs:									nd cedar. Use timb at least 8 feet long		3 slash piles. \$	Slash piles
Next St Treatm		/lonitorii	ng, Natura	l Regen (Re-Invent	tory)							
Accepta Regen:		spen, n	naple, spru	uce, fir, pine, BAM,	tamarack							
Other Comme	ent:											
Site Co	ndition:											
Propos	ed Start	Date:	10/01/20	26								
203	320512 Openi		2.6	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
Prescri Specs:									sary. Plant and trim rees/shrubs; and a		and/or mainta	ain mast-
Next St Treatm		pening	s Mgmt., (Grass/Forb Plantinoุ	g; Opening	s Mgmt	., Grass/F	Forb Planting				
	<u>able</u> C	Cool sea	son forbs									
Other Comme												

Proposed Start Date: 05/01/2025

Site Condition:

Other Place retention in stream buffer. Consider accessing from east side to avoid conflicts with buffers.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

248 32051248-Cut 4.3 4110 - Sugar Maple 104 141-Harvest Thinning 4110 - Sugar Current No Association 170 Maple Association

Prescription Thin to a basal area of 80 sqft. Mark to improve quality. Do not cut hemlock and white cedar. Retain a few healthy wind firm white spruce, if

Specs: available

Next Step Treatments:

<u>Acceptable</u> Regen:

<u>Other</u> Comment:

Site Condition:

Compartment: 32051



S t				-						Year of Entr		DNR
a n d	Treatn Nan		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
249	3205 ² Ope		8.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
Spec Next	<u>s:</u> Step	opening	and allow					ing) or treated witl ees/shrubs opport	h adjacent stands' tunity to flourish.	timber harvest. In	tention is to n	naintain
	ments: ptable en:	Natural	grass/forb	s and planted ma	st-producing	trees ar	nd shrubs.					
Other Comr	<u>ment:</u>	Look at	adding sta	and 249 treatmen	t, G Stand, to	timber	sale if pos	ssible.				
	Condition		05/01/20	026								
250	320512	50-Cut	16.8	4130 - Aspen	5	32	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
Acce Rege Other Comr	Step ments: ptable	Monitor Aspen, Look at	ing, Natura	ptimally 9-15 inch al Regen (Re-Inve dwood, mixed cor and 249 treatmen	entory) nifer				with a conifer cor	nponen		
			10/01/20		٠ .	20	lua na atri	Hamisak	Classist	440	Diantina	NI-
				4199 - Other Mixe Upland Deciduou 	S	32	re	Harvest	Clearcut	413 - Aspen	Planting Record	No
Spec	<u>s:</u>	to 4 dru	mming log	ıs, at least 8 feet l	ong, from tre				and red pine, unle Place retention in		drumming log	J. Create 2
	Step ments:	Monitor	ıng, Natura	al Regen (Re-Inve	entory)							
Rege	e <u>n:</u>	aspen r	nixed hard	wood, mixed coni	fer							
Other Comr												
	Condition osed Sta		10/01/20	031								
273	320512	73-Cut	6.4	4112 - Maple, Beech, Cherry Association	9	103	171- 200	Harvest	Clearcut	4112 - Maple, Beech, Cherry Association	Cutting Record	No
Preso Spec			rees 2 inch bly sugar n		t DBH. Do no	ot cut he	mlock, ce	dar, white pine, re	ed pine, and yellow	v birch. Green tree	e 10 log sized	maple,
Next Treat	Step ments:	Monitor	ing, Natura	al Regen (Re-Inve	entory)							
Acce Rege		maple,	birch, aspe	en, hemlock, spru	ce, fir, pine, o	cedar, a	nd cherry.					
Other Comr	-	Winter	cut due to	access.								
Site C	Condition	<u>ı:</u>										

 Proposed Start Date:
 10/01/2031

 275
 32051275-Cut
 6.4
 330 - Low-Density Trees
 99
 Harvest Clearcut Density Density Inventory
 Previous Density Inventory

Prescription Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Site Condition:

Acceptable aspen, maple, spruce, pine, BAM, fir, herbaceous plants

Regen:
Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2031

279 32051279-Cut 28.2 4130 - Aspen 6 36 51-80 Harvest Clearcut 413 - Aspen Planting No Record

Prescription Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 4 to 5 drumming logs, at least 8 feet long, Specs: from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component a

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments

Acceptable aspen, mixed hardwood, mixed conifer

Regen:

Other Probably best to designate a tree(s) for drumming log creation, via marking, rather than specing it out.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

327 32051283-Cut 5.5 4130 - Aspen 6 34 81-110 Harvest Clearcut 413 - Aspen Planting No Record

Prescription Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, spruce, fir and hemlock. Create 1 to 2 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, maple, spruce, pine and fir.

Regen:
Other
Comment:

OOTHITIOTIC.

Site Condition:

Proposed Start Date: 10/01/2026

No

Deciduous Trees

s t					. topo.				Year of Entr		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
286	32051286-Cut	65.5 4	110 - Sugar Maple Association	9	111	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
Spec	<u>cs:</u> 10% of	the treatm	of 80sqft. Mark to in ent area is to be con	nposed of						rees on the ga	p edge.
	: <u>Step</u> Monito tments:	ring, ivatura	ıl Regen (Re-Invento	ory)							
Acce Rege Othe		maple assoc	ciates								
	<u>iment:</u>										
	Condition: losed Start Date	: 10/01/20	26								
	32051291-Cut	_	4130 - Aspen	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
Pres Spec			2" DBH except ceda nes in size, if availab		k, yellow	birch and	pine, if found. Co	reate 1 to 2 drumm	ing logs, at least	8 feet long, fro	om trees
_	Step Monito	ring, Natura	ıl Regen (Re-Invento	ory)							
Acce Rege		maple, bird	ch, pine, cherry, spru	ice							
Othe Com	e <u>r</u> no rete ament:	ntion due to	o size								
Site	Condition:										
Prop	osed Start Date	10/01/20	31								
295	32051295-Cut	31.0 4	136 - Aspen, Mixed Conifer	6	41	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
Pres Spec			nes and greater at Di north and trail to the							3 slash piles b	etween
	Step Monitor tments:	ring, Natura	ll Regen (Re-Invento	ory)							
Acce Rege	e <u>ptable</u> aspen, <u>en:</u>	maple, spri	uce, fir,								
Othe Com	<u>er</u> nment:										
_	Condition:										
Prop	osed Start Date	<u>:</u> 10/01/20	26								
298	32051298- Opening	3.9	3102 - Grass	99				Openings Mgmt.	Crops	Previous Inventory	No .

<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mastproducing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess Specs:

Next Step Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Treatments: Grass/Forb Planting

Acceptable Cool season forbs (clover)

Regen: **Other** Comment:

Site Condition:

Prescription Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, spruce, fir and hemlock. Create 1 to 2 drumming logs, at least 8 feet long, from

<u>Specs:</u> trees optimally 9-15 inches in size, if available.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, maple, spruce, pine and fir.

Other Comment:

Regen:

Site Condition:

Compartment: 32051

Year of Entry: 2027

s t

а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Structure Range Objective Name CoverType Density Age Type Cut d 329 32051329-Cut 46.0 6122 - Black Spruce 81-110 Harvest Clearcut 611 - Lowland **Planting** Nο **Deciduous Forest** Record Prescription Cut all trees 2 inches or greater at DBH. Do not cut cedar, white pine, hemlock. Treatment size may vary significantly with the possible exclusion of cedar pockets, potential BMP buffers, and exclusion of areas with low marketability. Leave long-term rete Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Black spruce, tamarack, cedar, pine, hemlock. Regen: **Other** winter cut Comment: Site Condition: Proposed Start Date: 10/01/2026 32051331.42 196 4130 - Aspen 6 81-110 Harvest Clearcut 413 - Aspen **Planting** No Cut Record Prescription Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar and hemlock. Create 3 to 4 drumming logs, at least 8 feet long, from trees Specs: optimally 9-15 inches in size, if available. Red line out areas heavier to spruce/fir around south side of opening NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; Next Step Treatments: NonForestMgt, Other - Specify; NonForestMgt, Other Acceptable Aspen, birch, balsam poplar, fir, spruce. Regen: <u>Other</u> Comment: Site Condition: Proposed Start Date: 10/01/2026 32051332-5.0 3102 - Grass 99 Openings Mgmt. Openings Mgmt. 2113 - Forage Previous Nο 332 Opening Inventory Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-Specs: producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting Next Step Treatments: Acceptable Cool season forbs (clover) Regen: Other Comment: Site Condition: Proposed Start Date: 05/01/2025 338 32051338-1.2 3102 - Grass 2113 - Forage Previous No 99 Openings Mgmt. Openings Mgmt. Crops Inventory Opening <u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mastproducing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess Specs: Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting Next Step Treatments: Acceptable Cool season forbs (clover) Regen: **Other** Comment: Site Condition: Proposed Start Date: 05/01/2025

Compartment: 32051

s t		Gwiii	r Mgt. Offit		Kepoi	13	realments		Year of Entr		(ž) ~~~\\	
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut	
339	32051339-Cut	16.2 4	110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No	
Spec Next Treat	Step Monitor ments: Maple,	the treatm	of 80sqft. Mark to ir ent area is to be cor al Regen (Intermedia swood, cherry	mposed of						rees on the ga	p edge.	
Othe Com	<u>r</u> ment:											
	Condition: osed Start Date	10/01/20	031									
340	32051340-Cut	11.4 4	110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No	
Acce Rege Othe	<u>ments:</u> ptable maple, en:	U.	al Regen (Re-Invento	,,								
	Condition: osed Start Date	. 10/01/20	126									
	32051340-Cutx		1110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No	
Spec Next Treat	s: regene Step Monitor ments: ptable maple, en:	ration, if pr ring, Natura	sal area of 80sqft. C esent. Gaps are not al Regen (Re-Invento rry, basswood, hemlo	to exceed				create canopy gaps	in areas found to	have existing	advance	
	ment: Condition:											
Prop	osed Start Date	10/01/20)31									
341	32051341- Opening	1.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No	
Spec Next Treat	s: produc	ing trees/sł gs Mgmt.,	e, fertilize, and/or monubs. Monitor health Grass/Forb Planting	and survi	ival of cu	ltivated fo	orbs and planted t	trees/shrubs; and a	ssess		ain mast-	
Rege Othe	en:	Jason Iorbs	(0.000)									
Site (Condition:											

Association Maple
Association

Prescription Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.

10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, cedar, hemlock, basswood, cherry

Regen:

Specs:

s

t a

n

d 345

Other This stand has been noted by past foresters as being best suited for a winter harvest. Consider winter cut.

Comment:

Site Condition:

Proposed Start Date: 10/01/2031

351 32051351- 1.7 3102 - Grass 99 Openings Mgmt. Openings Mgmt. 2113 - Forage Previous No Opening Crops Inventory

<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess

Next Step Openings Mgmt., Grass/Forb Planting; O

Treatments:

Acceptable Cool season forbs (clover)

Regen: Other

Comment:

Site Condition:

Proposed Start Date: 05/01/2025

3 32051352-Cut 37.1 4110 - Sugar Maple 9 120 111- Harvest Selection 4110 - Sugar Current No Association 140 Maple Association

Prescription Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.

Specs: 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, cherry, basswood

Regen:

Other This was marked but never cut. Use different color when marking this area, e.g., purple.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

352 32051352- 2.2 3102 - Grass 99 Openings Mgmt. Openings Mgmt. 2113 - Forage Previous No Opening Crops Inventory

Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-

Specs: producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess

Next Step Openings Mgmt., Grass/Forb Planting; Opening Mgmt., Grass/Forb Planting; Opening Mgmt., Grass/Forb Planting; Ope

Treatments

Acceptable Cool season forbs (clover)

Regen: Other

Comment:

Site Condition:

s t			Gwin	n Mgt. Unit		Repoi	rt 3	Treatments		Compartmen Year of Entry		DNR DNR
a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
361	32051 Open		2.8	330 - Low-Density Trees	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
Pres Spec	cription	Mainta		by mechanical mean v planted apple tree						timber harvest. Int	ention is to r	maintain
	Step tments:	Openir	ıgs Mgmt.,	Brush Mgmt.								
Acce Rege		Natura	l grass/fort	os and planted mast-	producing	trees ar	nd shrubs	S.				
Othe Com	r ment:	Look a	t adding st	and 361 treatment, 0	G Stand, to	o timber	sale if po	ossible.				
Site	Condition											
Prop	osed Star	t Date	05/01/2	026								
362	3205136	32-Cut	6.8	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
				asal area of 80sqft. (resent. Gaps are not					reate canopy gaps	in areas found to	have existinç	g advance
		ŭ		al Regen (Re-Invent		гто рего	eni or an	ea.				
Acce Rege		maple,	birch, che	rry, hemlock, basswo	ood							
Othe Com	<u>r</u> ment:											
Site (Condition	<u>.</u>										
Prop	osed Sta	t Date	<u>:</u> 10/01/2	031								
378	32051 Open		0.9	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
Pres Spec				te, fertilize, and/or m hrubs. Monitor health							and/or maint	tain mast-
	Step tments:	Openir	ıgs Mgmt.,	Grass/Forb Planting	; Openin	gs Mgmi	t., Grass/	/Forb Planting; Օլ	penings Mgmt., Gr	ass/Forb Planting		
Acce Rege		Cool se	eason forb	s (clover)								
Othe Com	<u>r</u> ment:											
Site (<u>Condition</u>	<u>.</u>										
Prop	osed Star	t Date	<u>:</u> 05/01/2	025								

274 32051382-Cut 16.8 4136 - Aspen, Mixed 30 51-80 Harvest Clearcut 413 - Aspen Planting No Conifer Record

Prescription Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer compon Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, birch, balsam poplar, spruce, fir.

Regen: **Other** Comment:

Site Condition:

Compartment: 32051

Year of Entry: 2027

S t a

а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age Habitat n CoverType Method Name Range Objective Structure Density Age Type Cut d 401 32051401-3 7 330 - Low-Density 99 Openings Mgmt. Openings Mgmt. 2113 - Forage Previous Nο Inventory Opening Trees Crops Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mastproducing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess Specs: Openings Mgmt., Grass/Forb Planting Next Step **Treatments:** Acceptable Cool season forbs (clover) Regen: Other Comment: Site Condition: Proposed Start Date: 05/01/2028 407 32051407-1.5 310 - Herbaceous 99 Openings Mgmt. Openings Mgmt. 2113 - Forage Previous No Opening Openland Crops Inventory Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-Specs: producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess Openings Mgmt., Grass/Forb Planting Next Step **Treatments:** Acceptable Cool season forbs (clover) Regen: <u>Other</u> Comment: Site Condition: Proposed Start Date: 05/01/2030 32051410-8.3 3102 - Grass 99 Openings Mgmt. Openings Mgmt. 2113 - Forage Previous Nο 410 Inventory Opening Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-Specs: producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting Next Step Treatments: Acceptable Cool season forbs (clover) Regen: Other Comment: Site Condition: Proposed Start Date: 05/01/2025 413 3102 - Grass 32051413-1.5 99 Openings Mgmt. Openings Mgmt. 2113 - Forage Previous No Crops Inventory Opening Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mastproducing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess Specs: Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting Next Step Treatments: Acceptable Cool season forbs (clover) Regen: Other Comment: Site Condition: Other Influence Zones Proposed Start Date: 05/01/2025

Gwinn Mgt. Unit Report 3 -- Treatments Compartment: 32051 s Year of Entry: 2027 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Density CoverType Method Objective Name Structure Age Range Type Cut d **Approved Treatments:** 32051006-Cut 11.4 4134 - Aspen, 8 108 51-80 Harvest Clearcut 413 - Aspen **Planting** No Record Spruce/Fir This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. Due to small stand size and lowland Specs: Next Step Monitoring, Natural Regen (Intermediate) **Treatments:** Acceptable Balsam poplar, birch, aspen. Regen: Portions of this stand are wet with multiple seeps and mucky soils. This ground will be more operable with a deep freeze of the muck Other layer.Harvest now to capture mortality of aspen, birch, SBW, and prevent conversion to northern hardwood.GEM Stand Cu Comment: Site Condition: Proposed Start Date: 10/01/2021 32051021-14.8 4110 - Sugar Maple 108 81-110 Monitoring Monitoring -411 - Northern Current No Association Regeneration Hardwood Monitor Prescription Within 5 years, monitor for adequate stocking of advanced regeneration. Specs: Next Step **Treatments:** Acceptable Sugar maple, red maple, yellow birch, basswood, long-lived conifers (hemlock, white pine) Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2025

43 32051043-5.3 4119 - Mixed 106 81-110 Monitoring Monitoring -4319 - Mixed Current No Northern Hardwoods Regeneration **Upland Forest** Monitor

Prescription Specs:

Next Step Treatments:

Acceptable Northern hardwoods, hemlock, component of S/F

Regen:

Percent to Treat = 100% <u>Other</u>

Comment:

Site Condition:

s t		Gwin	n Mgt. Unit		Repor	rt 3 '	Treatments		Compartmer Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
47	32051047- Monitor	4.3	4115 - Y.Birch, Hemlock NH	7	110	1-50	Monitoring	Monitoring - Regeneration	4190 - Mixed Upland Deciduous with Cedar	Planting Record	No
Prese Spec		g 2 years fr	om harvest, conduc	t annual or	biennial	l regenera	ation surveys for	10 years.			
	Step tments:										
Acce Rege		birch, pape	er birch, white cedar	, white pine	e, red oa	ak, cherry	, black ash.				
Othe Com	<u>r</u> Percer <u>ment:</u>	nt to Treat =	= 100%								
Site (Condition:										
Prop	osed Start Date	<u>:</u> 10/01/20)26								
50	32051050-Cut	23.9	6117 - Lowland Deciduous, Mixed Coniferous	6	108	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No
Prese			of the South Marque ecs in proposal): Dr						Include the follow	ing managem	ent
	<u>Step</u> Monito tments:	ring, Natura	al Regen (Intermedi	ate)							
Acce Rege		n poplar, bi	rch, aspen. Lowlan	d conifers f	or wildlif	e cover.					
Othe Com	_		a low swale runs the und will be more ope							stand may be	excluded
Site (Condition:										
Prop	osed Start Date	<u>:</u> 10/01/20)21								
66	32051066- Monitor	4.8	4113 - R.Maple, Conifer	6	50	81-110	Monitoring	Monitoring - Regeneration	6120 - Lowland Cedar	Cutting Record	No
Preso Spec	<u>cription</u> cs:										
	Step tments:										

Treatments:

Acceptable Spruce, maple, aspen, birch, fir.

Regen:

<u>Other</u> Percent to Treat = 100%

Comment:

Site Condition:

Spruce/Fir Record

Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management Specs: practices (and specs in proposal): Drumming log retention, and conifer component retention.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwood, mixed conifer

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2021

32051095.21_ 41.2 4130 - Aspen 6 51-80 Harvest Clearcut Planting No 95 48 413 - Aspen Record Cut

Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, <u>Prescription</u> and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

<u>Acceptable</u> Aspen, Mixed Hardwood and Conifer.

Regen:

WLD - Agree with Treatment, GEM Harvest in 2021 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2021

32051098-4130 - Aspen **Planting** 98 24.5 6 40 111-Harvest No Clearcut 413 - Aspen Cutxx 140 Record

This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management <u>Prescription</u> practices (and specs in proposal): Drumming log retention, and conifer component retention. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed conifer, mixed hardwood

Regen:

Other

Comment:

Site Condition:

Compartment: 32051

S t		Owilli	i iligi. Oliic		Kepoi		reauments		Year of Entr		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
98	32051098- Cutxxx	0.4	4130 - Aspen	6	40	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
Spec Next	<u>s:</u> prac	tices (and spe	of the South Marquecs in proposal): Drawlal Regen (Re-Invent	rumming lo	/ Grouse g retenti	e Enhance on, and co	d Management onifer componer	Site (SMC GEMS). tretention.	Include the follow	ring managem	ent
Rege Other	<u>en:</u>	n, mixed con	ifer, mixed hardwoo	od							
Site (Condition: osed Start Da	<u>ite:</u> 10/01/20	017								
103	32051098- Monitor	28.7 4	1110 - Sugar Maple Association	9	120	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
Next Treat Acce Rege Other Com	Step tments: ptable A div	J crew will moverse mix of rent to Treat =									
113	32051113-C	ut 17.1	4130 - Aspen	6	43	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
Next Treat Acce Rege Other Com	Step Monitoring Monito	tices (and spe itoring, Natura en, Mixed Hai	of the South Marquecs in proposal): Drawled Regen (Re-Invented Regen) (Regen) (Regen) (Regen) (Regen) (Re-Invented Regen) (Regen)	rumming lo					Include the follow	ing managem	ent
147	32051147-C	ut 9.8 ²	1110 - Sugar Maple Association	9	106	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
Next Treat Acce Rege	ss: mark Step Monitments: ptable map en:	king. Treatme	o 70-90 BA leaving int added Septembe al Regen (Re-Invent swood and cherry.	er 2022.	nemlock	, and pine	. Favor leaving c	cherry and yellow bi	rch for leave spec	ies if healthy v	vhile
	Condition:	ite: 10/04/0	116								
Prop	osed Start Da	<u>ite:</u> 10/01/20	JTG								

Next Step Treatments:

Acceptable Aspen, maple, spruce, fir, birch.

Regen:

Other SBW Salvage. Stand is within the GEM and harvesting should be paired with adjacent sales within the GEM.

Comment:

Site Condition:

Proposed Start Date: 10/01/2021

153 32051153.34_ 51-80 4319 - Mixed 27.0 4319 - Mixed Upland 6 67 Harvest Clearcut **Planting** No Cut Forest **Upland Forest** Record

Prescription Harvest all aspen, balsam fir, paper birch, and spruce. Budworm present in adjacent stand.

Specs:

Next Step NonForestMgt, Other - Specify; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, spruce, fir, pine, cherry.

Regen:

This stand is within the GEMS and its management plan. Retain some conifer patches (<4" DBH) for wildlife cover.WLD - Favor black cherry Other

Comment: (5%) (black bear) and healthy spruce if available (wildlife cover) (State Game Fund)

Site Condition:

Proposed Start Date: 10/01/2021

159 32051159.3 C 19.8 4139 - Aspen, Mixed 3 8 **Immatu** Harvest Clearcut 413 - Aspen **Planting** No Deciduous Record ut re

Prescription Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine,

and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Mixed Hardwood and Conifer.

Regen:

WLD - Agree with Treatment, GEM Harvest in 2026 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

170 32051170-Cut 9.1 4134 - Aspen, 9 65 81-110 Harvest Clearcut 413 - Aspen **Planting** No Spruce/Fir Record

Prescription Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine,

and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Aspen, mixed hardwood, mixed conifer.

Regen:

Other Comment:

Site Condition:

npartment: 32051	ST OF N
ar of Entry: 2027	DNE BARTING DNE
	lej'

s t			Gwinn	Mgt. Unit		Repoi	rt 3 '	Treatments		Compartme Year of Entr		DNR
a n d	Treatn Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
194	320511 u		19.8	4130 - Aspen	6	33	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
Preso		Clearcu and her	t stand usir nlock. Favo	ng two-inch spec. I or oak, yellow birch	Leave one l	log per 2 herry du	2 acres fo ıring sale	r drumming logs prep.	s. Leave under repre	esented species su	uch as cedar,	white pine,
	Step tments:	Monitor	ing, Natura	l Regen (Re-Invent	tory)							
Acce Rege		Aspen,	Mixed Har	dwood and Conife	r.							
Othe Com	<u>r</u> ment:	WLD -	Agree with	Treatment, GEM F	Harvest in 2	026 (Am	nerican w	oodcock ruffed (grouse and white - t	tailed deer) (State	Game Fund)	
Site (Condition	<u>ı:</u>										
Prop	osed Sta	rt Date:	10/01/20	31								
212	320512	12-Cut	15.2	413 - Aspen	6	51	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
Preso				of the South Marquecs in proposal): Dr					Site (SMC GEMS) nt retention.	. Include the follow	ving manager	nent
	Step tments:	Monitor	ing, Natura	l Regen (Re-Invent	tory)							
Acce Rege	•	Aspen,	Mixed Hard	dwood, Mixed Coni	fer							
Othe Com	<u>r</u> ment:											
Site (Condition	<u>ı.</u>										
Prop	osed Sta	rt Date:	10/01/20	21								
217	320512 C		11.5 43	319 - Mixed Upland Forest	l 6	63	111- 140	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
Preso Spec				n over spruce fir po					Site (SMC GEMS)	Include the follow	ving manager	nent

practices (and specs in proposal): Winter sale only, drum

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Aspen, balsam poplar, birch, spruce, red maple, fir.

Regen:

<u>Other</u> Stand has wet spots; mark red line for optimal operability.

Comment:

Site Condition:

Compartment: 32051 Year of Entry: 2027

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t									real of Enti-	y. 2021	DNR
a n Treat d Na	ment me	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
	218.44_ Cut	9.4	6129 - Mixed Coniferous Lowland Forest	5	126	141- 170	Harvest	Selection	612 - Lowland Coniferous Forest	Cutting Record	No
Prescription Specs:			es (aspen, birch, bals m to maintain cedar p		, tamara	ck, spruce	e) but retain ceda	ar. Good pockets	of tamarack. Sele	ct cedar may	be taken fo
Next Step Treatments:		ing, Natura	al Regen (Re-Invento	ory)							
Acceptable Regen:	Tamara	ack, birch,	balsam poplar, sprud	ce, cedar.							
Other Comment:			nd. Transitional lowla							er birch and as	spen
Site Condition	on:										
Proposed S	tart Date:	10/01/20	018								
221 32051	221.4_C ut	19.3 4	191 - Mixed Upland Deciduous with Conifer	8	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
Prescription Specs:		•	erate stand: Over-ma eas from the sale.	ature aspe	n, papeı	birch, bal	sam fir falling ou	t of stand. Retain	hemlock and any	cedar. Exclud	e any
	This sta	and is part	of the South Marque	tte County	Grouse	Enhance	d Management S	Si			
Next Step Treatments:		ing, Natura	al Regen (Re-Invento	ory)							
Acceptable Regen:	Aspen,	birch, bals	sam poplar, hemlock,	spruce, fi	r.						
Other Comment:	Pretty v	vet on eas	t side, drain from ope	en wetland	I. Patche	es domina	ted by balsam fir	poles.			
<u>Comment.</u>	Monitor	ed for SB\	N/Forest health: Spr	uce/fir cor	nponent	is only 10	sq. ft. Stand will	be monitored and	harvested as per	GEM plan.	
	WLD- F	avor retai	ning some health								
Site Condition	on:										
Proposed S	tart Date:	10/01/20	018								
223 32051	223.39_ Cut	26.04	191 - Mixed Upland Deciduous with Conifer	8	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
Prescription Specs:			erate stand: Over-ma	ature aspe	n, papeı	birch, bal	sam fir falling ou	t of stand. Retain	hemlock and any	cedar. Exclud	e any
	This sta	and is part	of the South Marque	tte County	Grouse	Enhance	d Management S	Si			
Next Step Treatments:		ing, Natura	al Regen (Re-Invento	ory)							
Acceptable Regen:	Aspen,	birch, bals	am poplar, hemlock,	spruce, fi	r.						
Other Comments	Pretty v	vet on eas	t side, drain from ope	en wetland	I. Patche	es domina	ted by balsam fir	poles.			
Comment:	Monitor	ed for SB\	N/Forest health: Spr	uce/fir cor	nponent	is only 10	sq. ft. Stand will	be monitored and	harvested as per	GEM plan.	
	WLD- F	avor retai	ning some health								
Site Condition	on:										

Compartment: 32051 Year of Entry: 2027

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t									real of Life	y. 2021	DNR
a n Treat d Nai		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	239.38_ Cut	3.4	4112 - Maple, Beech, Cherry Association	9	187	111- 140	Harvest	Seed Tree	411 - Northern Hardwood	Planting Record	No
Prescription Specs:								generation exist, rel t can function as se			eed
Next Step Treatments:		ing, Natura	ıl Regen (Re-Invent	ory)							
Acceptable Regen:		·	ock, basswood, red	•							
Other Comment:			ory. Cut stems that larger sugar maple					elease of advanced	regeneration and	good seed cro	ops that
	In additi	on: Agree	with Treatment, (no	orthe							
Site Condition		40/04/00	140								
Proposed St											
244 32051 C	244.19_ Cut	35.4	4134 - Aspen, Spruce/Fir	6	64	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
Prescription Specs:								Site (SMC GEMS)		ing managem	ent
Next Step Treatments:		estMgt, Fru	uit Tree/Shrub Plan	ting; Monit	toring, N	atural Re	gen (Re-Invento	ry)			
Acceptable Regen:	Aspen,	birch, spru	ce, fir.								
Other Comment:								kend harvest activiti tailed deer) (State (- Agree with	
Site Condition	on:										
Proposed St	tart Date:	10/01/20	21								
245 32051 C	245.11_ Cut	20.4	4134 - Aspen, Spruce/Fir	6	64	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
Prescription Specs:								Site (SMC GEMS) conifer component		ing managem	ent
Next Step Treatments:		ing, Natura	ıl Regen (Re-Invent	ory)							
Acceptable Regen:	Aspen,	birch, spru	ce, fir.								
Other Comment:	South F	errin Bros	snowmobile trail go	es through	ո stand; լ	oer trail sp	pecialist no weel	kend harvest activiti	es along trail.		
Sommone.	WLD -	Agree with	Treatment, GEM F	larvest in 2	.021 (Am	nerican w	oodcock ruffed (grouse and white - t	ailed deer) (State	Game Fund)	

Compartment: 32051

S t			3		ropo.		. routinointo		Year of Entr		DNR
a n T d	reatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
255 3	2051255.11_ Cut	8.0 4	110 - Sugar Maple Association	6	64	111- 140	Harvest	Thinning	411 - Northern Hardwood	Current	No
Specs: Next St	over-m		nd improvement: Th n for wildlife.	nin hardwo	od poles	s to increa	se quality. Cut	aspen to regenerat	e and capture mor	tality. Retain	some large
Accepta Regen: Other Comme	<u>able</u> In addi	ion: Agree	with Treatment, (An	nerican wo	odcock	ruffed gro	ouse and white -	tailed deer) (State	Game Fund)		
Site Co		10/01/00	40								
	ed Start Date 2051256_Cut		4112 - Maple, Beech, Cherry Association	6	187	111- 140	Harvest	Thinning	411 - Northern Hardwood	Current	No
Prescrip Specs:			nd improvement: Th n for wildlife.	nin hardwo	od poles	s to increa	se quality. Cut	aspen to regenerat	e and capture mor	tality. Retain	some large
Next St Treatme											
Accepta Regen:											
Other Comme		ion: Agree	with Treatment, (An	nerican wo	odcock	ruffed gro	ouse and white -	tailed deer) (State	Game Fund)		
Site Co											
	ed Start Date					01.110					
257 3	2051257.15_ Cut	65.7	4130 - Aspen	6	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
Prescrip Specs:			of the South Marque cs in proposal): Wi							ing managem	ent
Next St Treatmo		gs Mgmt., (Grass/Forb Planting	; Openino	gs Mgmt	t., Grass/F	Forb Planting;	Monitoring, Natural	Regen (Re-Invento	ory)	
Accepta Regen:	<u>able</u> Aspen,	birch, spru	ce, fir.								
Other Comme	ent:		est may be pushed i	-					boundary.		
		ŭ	oes through stand,		s no wee	ekend har	vest activities al	ong trail.			
Site Co		lion. Ketain	northern white ceda	તા (∠70),							

Compartment: 32051

Year of Entry: 2027

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Treatment Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Density Method Name Age Objective Structure CoverType Range Type Cut Nο

258 32051258.6 C 24.9 4130 - Aspen 81-110 Harvest Clearcut 413 - Aspen **Planting** Record ut

Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal). Winter sale only, drumming log retention, and conifer component retention. Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step Treatments:

Acceptable Aspen, birch, spruce, fir. Regen:

Other Snowmobile trail goes through stand, trails wants no weekend harvest activities along trail.WLD - Agree with Treatment, GEM Harvest in Comment: 2022 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)

Site Condition:

Proposed Start Date: 01/24/2022

32051263.30 42.0 4134 - Aspen. 54 81-110 Harvest Clearcut 413 - Aspen **Planting** No Cut Spruce/Fir Record

This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management <u>Prescription</u> Specs: practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention.

Next Step NonForestMgt, Mowing; Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Aspen, birch, balsam poplar, spruce, fir.

Regen:

<u>Other</u> Hunter walking trail maintenance in next step treatments.

Comment:

Site Condition:

Proposed Start Date: 10/01/2021

Planting 264 32051264-Cut 99 4119 - Mixed 6 42 81-110 Harvest Clearcut 4199 - Other Nο Northern Hardwoods Mixed Upland Record Deciduous

Clearcut aspen, hardwood, and merchantable softwood stems to promote and expand the aspen clone, and to promote hardwood diversity. Cut <u>Prescription</u> Specs: aspen and all other merchantable stems (but retain hemlock, cedar) in approximately 1.5-2 chain perimeter buffer aroun

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, black cherry, red maple, sugar maple, yellow birch, spruce, tamarack, balsam poplar.

Regen:

Other Retain approximately 1 wildlife tree per acre, preferably on edges of the cut.

Comment:

Access to stand the stand:

-Access from the west is strongly preferred to avoid the snowmobile trail to the east. -Access from the east will need freezing in and timbe

Site Condition:

Compartment: 32051 s Year of Entry: 2027 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Name Objective Structure CoverType Density Age Range Type Cut d 32051265-Cut 23.4 4110 - Sugar Maple 111. Harvest Selection 411 - Northern Current Nο Association Hardwood 140 Selectively harvest hardwoods for quality improvement. Favor basswood and retain yellow birch. Include aspen clone southwest of stand in the Prescription Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Sugar maple, basswood, yellow birch. Regen: Other Access stand from the west to avoid hauling on snowmobile trail. Comment: -Access from the west is further to haul, but may be easier than crossing the low spots on the east side. -Access from the east will need freezing in and timber mats for 1-2 50' segment Site Condition: Proposed Start Date: 10/01/2018 6120 - Lowland 141-429 - Mixed Cutting 208 32051271.7 C 43 6 133 Harvest Clearcut Nο Cedar 170 **Upland Conifers** Record Prescription This stand is mostly upland and transitional to lowland, use topography for redline and stay out of wet ground. Retain cedar. Tamarack in south along trail is harvestable. Can harvest tamarack, red maple, fir, spruce. Specs: If feasible, push harvest Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: <u>Acceptable</u> Cedar, tamarack, spruce, hemlock, balsam poplar, red maple, birch. Regen: In addition: Agree with Treatment, (white-tailed deer) (State Game Fund) <u>Other</u> Comment: Harvest in the non-winter months if feasible; on snowmobile trail. No weekend hauling on snowmobile trail. Site Condition: Proposed Start Date: 10/01/2018 278 32051278.4_C 187 111-Selection 411 - Northern Current Nο 31.5 4110 - Sugar Maple Harvest 140 Hardwood ut Specs: and promote regeneration. Retain hemlock.

Prescription Mark to residual ba of 70 following Compleat Marker guidelines. Retain most of the yellow birch and make 80' gaps around the yellow birch to tr

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

<u>Acceptable</u> red maple, sugar maple, yellow birch.

Regen: Other 1 4 1

If feasible, harvest in non-winter months to access by the snowmobile trail. Winter months: no weekend hauling on the snowmobile trail.

Comment:

In addition: Retain all Northern White Cedar (1%) Hemlock (1%) and White Spruce (1%) (white - tailed deer) (State

Site Condition:

Compartment: 32051 Year of Entry: 2027

n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
282	32051282.10_	43.8 4	110 - Sugar Maple	9	187	111-	Harvest	Selection	411 - Northern	Current	No
	Cut		Association			140			Hardwood		

Single tree selection to target residual basal area of 80 sq ft/ac. Mark to increase quality. Release advanced regeneration where feasible with Prescription Specs: small gaps. Retain hemlock and cedar, and favor minor species. Minor species can be marked with sugar maple

Other, Other - Specify; Monitoring, Natural Regen (Re-Inventory) Next Step **Treatments:**

Sugar maple, basswood, red maple, hemlock, yellow birch, paper birch, white spruce, cedar. <u>Acceptable</u>

Regen: Other Comment:

Decent quality northern hardwood stand. Harvested 7 years ago, but has high BA: 90, 140, 150, 100. Paper birch falling out of stand. Have to mark some minor species for maneuverability and to reach target residual BA.

In addition: Agree with Treatm

Site Condition:

Proposed Start Date: 10/01/2018

294 32051294-Cut 12.6 4211 - Planted Red Harvest Thinning 4211 - Planted **Planting** 111-No Pine 140 Red Pine Record

Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and Prescription leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine. Specs:

Next Step **Treatments:**

Acceptable Not applicable.

Regen:

Other Out of entry year treatment. This proposal will go through compartment review as associated with stands 12 and 14, Cmpt 45. Stand has not been entered yet. Stand within GEMS, gate. Comment:

Site Condition:

Proposed Start Date: 10/01/2018

9.8 42110 - Planted Red 201+ 4211 - Planted 296 32051296-Cut 43 Harvest Thinning **Planting** No Red Pine Record

Prescription Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and Specs: leave three thinning method. Basal area stocking averages 230 sq. ft of red pine.

Next Step Treatments:

Acceptable Not applicable

Regen:

<u>Other</u> Out of entry year treatment - will go through compartment review associated with stands 12 and 14, Cmpt 45. Stand has not been entered yet. Comment: Stand within GEMS, gate.

Site Condition:

Proposed Start Date: 10/01/2018

160 32051339-29.8 4110 - Sugar Maple 120 111-Monitorina Monitoring -411 - Northern Current No Association 140 Regeneration Hardwood Monitor

<u>Prescription</u> MWR project.

Specs: MSU crew will monitor site per study specs.

Next Step Treatments:

Acceptable A diverse mix of northern hardwood species.

Regen:

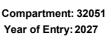
Other Percent to Treat = 100%

Comment:

Site Condition:

Report 3 -- Treatments

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a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
294	RP Thinning	3.3 42	211 - Planted Red Pine	6	43	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No

Prescription Specs: Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine.

Next Step Treatments:

Acceptable Not applicable.

Regen:

<u>Other</u> Out of entry year treatment. This proposal will go through compartment review as associated with stands 12 and 14, Cmpt 45. Stand has not Comment: been entered yet. Stand within GEMS, gate.

Site Condition:

Proposed Start Date: 04/24/2019

Total Treatment 2443.9 Acreage Proposed:

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Compartment: 51
Year of Entry: 2027



Availability for Management

Total	Acres	Acres Avail	Acres	De	Dominant Site Conditions									
Acres	Available	With Condition	Not Available		4A	5C	2G	2H	3A	3G	3J	3L	5D	5E
2088	2009	0	78	Aspen				13		5	28			32
12	12	0	0	Bog										
1814	1333	0	481	Cedar			440				41			
8	8	0	0	Hemlock										
123	122	0	2	Herbaceous Openland						2				
70	67	0	3	Low-Density Trees							3			
66	38	0	28	Lowland Aspen/Balsam Poplar			28							
534	10	0	524	Lowland Conifers			415				90	20		
26	15	0	11	Lowland Deciduous			6				5			
72	34	7	31	Lowland Mixed Forest	7						23			8
314	314	0	0	Lowland Shrub										
725	90	46	590	Lowland Spruce/Fir		46	79		379		109		23	
85	85	0	0	Marsh										
306	240	27	40	Mixed Upland Deciduous		27		15	3		13			9
54	0	0	54	Natural Mixed Pines					45		9			
1294	1219	43	33	Northern Hardwood		43		32						1
20	20	0	0	Paper Birch										
39	39	0	0	Red Pine										
209	49	0	161	Tamarack			69					92		
71	71	0	0	Treed Bog										
57	16	0	41	Upland Conifers							41			
6	4	0	2	Upland Mixed Forest										2
22	22	0	0	Upland Spruce/Fir										
20	20	0	0	Urban										
46	46	0	0	Water										
34	34	0	0	White Pine										
8,114	5,915	122	2,076	Total Forested Acres	7	115	1,036	60	427	6	360	111	23	53
	73%	2%	26%	Relative Percent										

^{*}Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

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	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Look at thinning this	s stand to 60sqft next YOE wit	h stand s	92.			
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	78	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stream and river bu	uffer/riparian corridor					
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Would have to go tl	hrough MWR stand to access	this. This	s can hold tell access is p	ermitted through MWR		
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: stream						

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6	Unavailable	5D: Unproductive forest land	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Very wet & mostly	small timber.					
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet Swale						
8	Unavailable	3A: Conservation values incompatible with harvest at this time	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: ERA Dry-mesic no	rthern forest. Landon Lake Pine	S.				
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	74	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Area of softer grou	nd. Long term retention from or	iginal st	tand created 2019.			
11	Unavailable	3A: Conservation values incompatible with harvest at this time	24	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: ERA Dry-mesic no	rthern forest. Landon Lake Pine	es.				

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Comments: 13 Unavailable 5E: Long-Term Retention 7 Unspecified Unspecified Unspecified Unspecified Unspecified Comments: Long term retention from original stand created in 2019. 14 Unavailable 3A: Conservation values 2 Unspecified Unspecified Unspecified incompatible with harvest at this time Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA. 15 Unavailable 5E: Long-Term Retention 1 Unspecified Unsp								
13 Unavailable 5E: Long-Term Retention 7 Unspecified Unspecified Unspecified Unspecified Unspecified Comments: Long term retention from original stand created in 2019. 14 Unavailable 3A: Conservation values 2 Unspecified	12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention from original stand created in 2019. 4 Unavailable 3A: Conservation values incompatible with harvest at this time Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA. 5 Unavailable 5E: Long-Term Retention 1 Unspecified Unspec	C	Comments:						
Long term retention from original stand created in 2019. 4 Unavailable 3A: Conservation values incompatible with harvest at this time Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA. 5 Unavailable 5E: Long-Term Retention 1 Unspecified Unsp	3	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
incompatible with harvest at this time Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA. 5 Unavailable 5E: Long-Term Retention 1 Unspecified Unsp			n from original stand created in	2019.				
This falls outside ERA but is part of stand 45 and can be a buffer to the ERA. 15	14	Unavailable	incompatible with harvest	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 87 cut in 2021. 16 Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: 17 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Stand is surrounded by ERA.			RA but is part of stand 45 and	can be a	buffer to the ERA.			
Retention for stand 87 cut in 2021. 16 Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: 17 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Stand is surrounded by ERA. 18 Unavailable 5E: Long-Term Retention 1 Unspecified Un	15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
soils, does not include access issues) Comments: 17 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Stand is surrounded by ERA. 18 Unavailable 5E: Long-Term Retention 1 Unspecified Unsp			l 87 cut in 2021.					
17 Unavailable 2H: Blocked by physical 15 Unspecified	16	Unavailable	soils, does not include	161	Unspecified	Unspecified	Unspecified	Unspecified
obstacle (e.g. upland stand in a lowland area) Comments: Stand is surrounded by ERA. Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified Unspecified Unspecified Unspecified	C	Comments:						
Stand is surrounded by ERA. 18 Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified Unspecified Unspecified	17	Unavailable	obstacle (e.g. upland	15	Unspecified	Unspecified	Unspecified	Unspecified
			ed by ERA.					
Comments:	18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	C	Comments:						

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19	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments: Long term retention	n and bmp exclusion of surroun	ding p	arent aspen stand cut in c.2	023		
20	Unavailable	3A: Conservation values incompatible with harvest at this time	384	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: ERA Landon Lake	Poor Conifer swamp					
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Patches of Gem Ti	mber sale PU1 retention (Stand	l 217)				
22	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
23	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This area looks to _l	oossibly, inventory done in wint	er, hav	ve some sensitive vernal an	d low areas excluded fron	n harvest.	
24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for Flush	ing Frog GEMS timber sale (32	2-009-2	22)			
25	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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26	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
27	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 2022: Long term re	tention 3-10 percent for stand 7	7 6				
28	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
29	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	31	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
30	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
31	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Long term retention	n for stand 153.					
32	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 2022: Long term re	tention for stand 77.					

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33	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 2022: Long term re	tention for harvest of stand 258					
34	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 2022: Vernal pool i	retention					
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for stand	l 82 cut in 2020.					
37	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Long-term retention	n for Stand 37 cut in 2020.					
39	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
	005 7:54:40 AM Daw						1151517751 844

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40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
41	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
•	Comments:						
42	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Pointers Paradise	timber sale retention					
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
(Comments:						
44	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
45	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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46	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for adjac	ent cut in stand 183 harvested	in 2020	0			
47	Unavailable	5D: Unproductive forest land	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
48	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for stand	221 Patches of GEMS					
49	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: stream						
50	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: stream						
51	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for stand	l 19 cut in 2020.					
52	Unavailable	5E: Long-Term Retention	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
(Comments:						

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53	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
F	Retention for stand	l 87 cut in 2021					
54	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: .eave for now as it	s large birch component provid	es divers	sity within the compartme	nt.		
55	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
56	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for Perri	n Brothers North GEMS SBW •	32-014- ⁻	16			
57	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
58	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for stand	l 82 cut in 2020, directly northw	est.				
59	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

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60	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention and buffe	er for Happy Spaniel GEMS tim	ber sale.				
61	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
62	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
63	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
64	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
65	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
66	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	50	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This stand contains	s a stream that flows into Lando	n Lake.	The North side also acts	as a buffer to the poor cor	nifer swamp ERA to the sou	uth.

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67	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This stand is difficu	ult to access, given Landon Lak	e, strean	n, river and lowland stand	ds. I don't see this being fir	nancially feasible to treat.	
68	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
69	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This is a buffer to a	a SCA and can serve as retention	on too.				
70	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This could be treat	ed when the aspen stands to th	e south ខ	are harvested.			
71	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
72	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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73	Unavailable	2G: Too wet (sensitive soils, does not include	68	Unspecified	Unspecified	Unspecified	Unspecified
		access issues)					
С	comments:						
74	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
75	Unavailable	5E: Long-Term Retention	7	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	comments: This stand serves a	as a BMP buffer and retention. I	Retent	ion for stand 114 harvested	by Roy Nelson III under o	ontract # 007-10-01.	
76	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
77	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
78	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	79	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						

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79	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
80	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
81	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
82	Unavailable	3A: Conservation values incompatible with harvest at this time	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This falls outside E	RA but is part of stand 45 and o	an be a	buffer to the ERA.			
83	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
84	Unavailable	3A: Conservation values incompatible with harvest at this time	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This falls outside E	RA but is part of stand 45 and o	can be a	buffer to the ERA.			

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85	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:	oxecoptional one quality					
86	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
87	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
88	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
89	Unavailable	3L: Other wildlife concerns	92	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: .ots of cedar mixe	d in. Can't cut without damaging	g or cut	ting a significant amount of	f cedar.		
90	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	59	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Stream runs throu	gh stand.					

Gwinn Mgt. Unit
Jacob Siler: Examiner



91	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
92	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	53	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments:						
93	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
	Comments:						
94	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
		y get cut. The ground does seel) years. Also, Swamp on south			h a deep freeze. This s	should be held tell surround	ling, recently cut, timber
95	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 300' buffer						

Gwinn Mgt. Unit
Jacob Siler: Examiner



96	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
С	omments:						
97	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	94	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
98	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
99	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
100	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
101	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						

Gwinn Mgt. Unit

Jacob Siler: Examiner



102	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	107	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:	·					
103	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	175	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
104	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
105	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
106	Unavailable	3K: Rare or unique landforms	15	Unspecified	Unspecified	Unspecified	Unspecified
	omments:	covers all areas not associated	l with SC	A but are part of the same	e stand and cover type and	I should be protected.	
107	Unavailable	3A: Conservation values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
	omments:	covers all areas not associated	I with the	s SCA but are part of the s	same stand and have the s	ame cover type. Should b	e protected.
				•			

Gwinn Mgt. Unit
Jacob Siler: Examiner



108	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	65	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
	omments: his is wet and has	lots of cedar mixed in or unde	er other	species. Would have to remo	ve lots of cedar to harve	est other species.	
09	Unavailable	3L: Other wildlife concerns	20	Unspecified	Unspecified	Unspecified	Unspecified
	comments: ow ground with a (good mix of cedar. Would be h	ard to o	perate without cutting a dece	nt amount of cedar.		
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	3G: Other influence zones - See comments	Unspecified	Unspecified	Unspecified
	omments: tream and river bu	uffer/riparian corridor and see (Conserv	ration Area Reviewer Applica	iion		
11	Unavailable	3G: Other influence zones - See comments	1	Unspecified	Unspecified	Unspecified	Unspecified
	omments: ee Conservation A	Area Review Application and P	re-Inve	ntory Docs on Gwinn S-Drive			
12	Unavailable	3G: Other influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
_	omments: ee Conservation A	Area Review Application					
13	Unavailable	3G: Other influence zones - See comments	2	Unspecified	Unspecified	Unspecified	Unspecified
_	omments: ee Conservation A	Area Review Application and P	re-Inve	ntory Docs on Gwinn S-Drive			

Report 4 – Site Conditions

Gwinn Mgt. Unit

Jacob Siler: Examiner



114	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
115	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
116	Available	4A: No markets available for these forest products	7	Unspecified	Unspecified	Unspecified	Unspecified
0		busting up on a wet site. Decer lot much to gain from entering th			and species within stand.	The time to cut this was wit	h the adjacent stands
117	Unavailable	3L: Other wildlife concerns	1	Unspecified	Unspecified	Unspecified	Unspecified
_	omments: mall spruce fir ar	ea to be excluded from treatmer	nt				

Mgt. Unit Compartment: #Type!
Year of Entry:

Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Gwinn Mgt. Unit Report 7 – Stands



Stan	d Level 4 C	over Type		Size Density	Acres	Stand Age E	A Range	Managed S	ite	General Comments
1	6120 - Lo	wland Ceda	ar	Sawtimber Well	106.2	115	111-140	N/A		OPIC - FMD: Nice cedar stand.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	1	Seedling	6	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	1		9	Ba	alsam Fir	Medium	Variable	Variable	
	Tamarack	15		8						_
N	orthern White Cedar	73		9 115						
	Black Spruce	10		9						
2	6129 - Mixed Conif	erous Lowla	and Forest	Poletimber Poor	160.7	100	1-50	N/A	\	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	30	Seedling	6	Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
N	orthern White Cedar	30		9	Ta	amarack	Medium	Variable	Variable	
	Paper Birch	10		12	Re	ed Maple	Medium	Variable	Variable	
	Black Spruce	30	Seedling	9 100	Bla	ck Spruce	Medium	Variable	Variable	
3	4110 - Sugar N	Maple Assoc	ciation	Sawtimber Well	121.2	120	111-140	N/A	\	Trace amount of white spruce and cedar in canopy. (2025)5/25/16: Could use an improvement thinning. Avoid sugar maple advanced
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regeneration patches during harvest.OPIC - FMD: Cut under permit
	Basswood	15		18	Suç	gar Maple	Medium	Variable	Variable	# 25-96-01. Like stand 2, the understory contains a significant amount
	Sugar Maple	83		12 120	Ir	onwood	Low	Variable	Variable	of raspberry and elderberry. Heavy moose browse on the elderberry. There are occasional pockets of 6-10' tall sugar maple regeneration in
	Paper Birch	2		12	Ba	alsam Fir	Trace	>20 feet	>20 feet	old gaps" .5/25/16 Field Notes: Moderate quality sugar maple
					Suç	gar Maple	Medium	< 5 feet	< 5 feet	sawlogs over poles. Good sapling regeneration, especially south of
					Suç	gar Maple	Low	>20 feet	>20 feet	road. Some XL Log sugar maples >22" dbh. Occasional dense ironwood patches. Low spot/seep south of road.
					Ba	alsam Fir	Trace	Variable	Variable	Ironwood patches. Low spot/seep south of road.
4	6120 - Lo	wland Ceda	ar	Sawtimber Well	76.7	137	111-140	N/A	\	Very wet. Trace amount of hemlock and sugar maple. (2025)
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	2		10	Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	1		14	Re	ed Maple	Low	Variable	Variable	
	Balsam Poplar	5		12	Ва	alsam Fir	Medium	Variable	Variable	
	Paper Birch	2		8						
N	orthern White Cedar	83		10 137						
	Black Spruce	5		10						
	Black Ash	2		8						
5	6120 - Lo	wland Ceda	ar	Poletimber Poor	2.1	155		N/A		
	Canopy Species	% Cover	Size Class		Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	12	Seedling	7	Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
N	orthern White Cedar	73		8 155						
	Balsam Fir	5	Seedling	5						
	Black Spruce	10	Seedling	7						



Stand	Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments									
6	4134 - Aspe			awtimber			108	51-80	N/A		¬ OPIC - FMD: A wet stand of white birch, tamarack, aspen and fir over			
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	tag_alder, willow, and soft maple whips.5/25/16 Field Notes:			
	Sugar Maple	10	Sapling	6			Ilsam Fir	Medium	10 - 20 feet	10 - 20 feet	Overmature aspen and paper birch falling out of stand. SBW initial			
	Quaking Aspen	50		12	108		gar Maple	Medium	Variable	Variable				
	Balsam Fir	15		10			ag Alder	Low	5 - 10 feet	5 - 10 feet				
	Paper Birch	15		10		Blad	ck Cherry	Low	5 - 10 feet	5 - 10 feet				
No	orthern White Cedar	5	Sapling	6										
	White Spruce	5		11										
7	4130	- Aspen		Sapling		15.9	5	Immature	N/A		Most sugar maple saplings limited to edge of stand. (2025)Stand			
	Canopy Species	% Cover	Size Class	DBH	Age						was harvested in 2020.OPIC - FMD: This is a narrow 2-3 chain wide stand of aspen, spruce/fir and mixed hardwoods. Regeneration is			
	Quaking Aspen	89	Log	2	5						mostly hard maple, with a significant portion of it quite advanced with			
	Sugar Maple	1	Log	1							2" diameters and 10'-20' in height. The aspen is very large but most of i is down due to windthrow.5/26/16 Field notes: Abundant sugar			
	Balsam Poplar	10	Log	2							maple regeneration under poor quality, wolfy maple trees. Overmature			
											aspen, birch, and white spruce. Low, wetter patches (seeps).			
8	4130	- Aspen		Poletimb	er Well	30.7	37	81-110	N/A		2015 - W32698 - installed gate, limed, mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mounta			
	Paper Birch	2	Seedling	7		Iro	onwood	Low	Variable	Variable	ash, and 7 seedling apple trees. Hunter walking trail was herbicided and			
	Balsam Fir	1	Seedling	8		Ва	ılsam Fir	Low	Variable	Variable	disked. OPIC - FMD: Cut under permit # 23-88-1. Aspen is 1-3"			
	Quaking Aspen	87	Seedling	9	37	Sug	gar Maple	Medium	Variable	Variable	dbh, 15-20' tall. 2015-Contains narrow drainage.5/26/16 Field notes: Aspen coming into pole class. Moderate-good stocking. Roads coming			
	Balsam Poplar	10	Seedling	8							into this stand from northern hardwood stand to southeast are soft and			
											wet. Have some gravel, need more. Roads in rough shape due to seeps, shallow bedrock. Winter ground.			
9	4110 - Sugar M	laple Assoc	ciation	Sawtimb		114.2	121	111-140	N/A		Trace amount of white ash logs and some older XL log maple.			
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	OPIC - FMD: Notes from north portion of stand: cut under permit #9-98-			
	Sugar Maple	67		12	121	Sug	gar Maple	Medium	< 5 feet	< 5 feet	01 in 2001 ORO logging. Excellent elderberry regeneration on the			
No	orthern White Cedar	5		11		Sug	gar Maple	High	Variable	Variable	eastern slopes. OPIC - FMD: Cut under permit # 017-97-01 "South Landon Lake" in Jan,Feb, 2002 also part in permit #9-98-01 see comp #			
	Red Maple	5		12		Ва	ılsam Fir	Low	Variable	Variable	51. Also east of road cut in 1989 ("Landon Lake Balm" #018-88-2), a lot			
	Basswood	15		15		Sug	gar Maple	Medium	>20 feet	>20 feet	of aspen and balsam poplar removed. One area of about 2 acres			
	White Spruce	2		12		Whi	te Spruce	Low	Variable	Variable	unthinned will have to wait until feasible, probably when total stand			
	Paper Birch	2		11		Yel	low Birch	Trace	>20 feet	>20 feet	thinned again. Some blowdown and also larger gaps created due to large amount of balsam poplar removed. Excellent regeneration 4-10'			
	Quaking Aspen	2		12							sugar maple in most areas of stand. Mostly good quality larger trees			
	Yellow Birch	2		15							Not much crowding of trees yet, lots of crown room. 2015: BA still a			
											little low for treatment (100-110).5/27/16 Field Notes: Typical northern hardwood stand with small aspen component on southern ed of stand. Good sugar maple sapling regeneration throughout, ironwood in patches. Larger skid trails/old roads going northwest up the slope a low, wet, and lots of evidence of past erosion. Gravel on these trails, not enough; ground is soggy with seeps. Winter ground.			



Stand	Level 4 Co	over Type \$	Size Density Acr	Acres Stand Age BA Range Managed Site			Managed S	iite	General Comments					
10	6115 - Lo	owland Ash	Sa	wtimbe	r Medium	5.8	70	1-50	N/A		Wet swale with log to sap size black ash of varying stocking and size.			
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Most of the larger ash is standing dead. (2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - installe			
R	Red Maple	5		10		Ва	lsam Fir	Medium	Variable	Variable	gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak,			
Е	Black Ash	95		8	70	Tag Alder		High	5 - 10 feet	5 - 10 feet	mountain ash. Mowed hunter walking trail.2016-Above comments			
											relate to stands 102, 263, 103, 84. This stand was a part of the retention for the original sale, and consisits of a small swale with surrounding trees.			
12	4110 - Sugar M	/laple Assoc	ciation S	awtimb	er Well	11.8	108	51-80	N/A	4	Thinned in 2020.			
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	OPIC - FMD: Stand was select cut with stand 81 of Cmpt. 52 under			
Su	ıgar Maple	93		12	108	Ва	lsam Fir	Low	Variable	Variable	permit # 011-98-01. Some elderberry in the understory.			
Pa	aper Birch	2		12		Sug	jar Maple	Low	Variable	Variable	F/OC/OOAC Field matery. About don't mand accompany to manufacture.			
В	Basswood	5		15		Iro	onwood	Low	Variable	Variable	5/26/2016 Field notes: Abundant, good sugar maple regeneration a seedlings and patches of saplings. Medium quality logs and poles.			
						Blackbe	rry/Raspberry	Medium	< 5 feet	< 5 feet	NE facing, 10-25% slope.			
						Sug	jar Maple	High	< 5 feet	< 5 feet				
						Qual	king Aspen	Trace	Variable	Variable				
13 4	1191 - Mixed Upla Co	and Deciduo onifer	ous with Po	letimbe	r Medium	18.8	32	1-50	N/A	A	Very Patchy and poorly stocked. (2025)			
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size				
V	Vhite Pine	5		11		WI	nite Pine	Trace	Variable	Variable				
Qua	aking Aspen	25	Seedling	5	32	Ва	lsam Fir	Low	Variable	Variable				
В	Balsam Fir	25	Seedling	7	32	Pa	per Birch	Low	Variable	Variable				
J	Jack Pine	5	Seedling	8				'			_			
R	Red Maple	10	Pole	3										
Pa	aper Birch	5	Seedling	5										
Bla	ack Cherry	25	Pole	4	32									
14	6220 - A	lder/Willow		Noi	ne	120.3			No)	OPIC - FMD: SCA-Tag Alder along Chandler Brook.			



Stand	Level 4 Co	over Type		Size Density			Stand Age B	A Range	Managed Site		General Comments	
15	4191 - Mixed Upla Co	and Decidu onifer	ous with	Poletimb	er Well	5.6	90	51-80	N/A		This is a stream buffer stand. Lots of ages present balsam fir and spruce falling down. about 75% canopy closure. (2025)OPIC - FMD:	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	SCA- Stand was partially cut in 2001 by ORO logging permit #9-98-01. Fir seedlings are abundant. Include as biodiversity maintenance area to	
	White Spruce	2		12		Bla	ck Spruce	Low	Variable	Variable	protect the riparian values along Chandler Brook.5/26/16 Field: SBW	
	Red Maple	35		12	90	Ва	alsam Fir	High	Variable	Variable	present, initial stages. Parts of stand sugar maple-dominated.	
Nor	thern White Cedar	10		11		Suç	gar Maple	Low	Variable	Variable		
(Quaking Aspen	5		14		Re	ed Maple	Medium	Variable	Variable		
	Balsam Fir	15	Seedling	8				'			_	
	Basswood	2		15								
	Black Spruce	5		10								
	Yellow Birch	5		12								
	Paper Birch	10		10								
	Balsam Poplar	5		14								
	Sugar Maple	5		12								
17	4130	- Aspen		Poletimb	er Well	63.8	34	51-80	N/A		Treated under contract #35-85-01. Small 5 acres block adjacent to	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand 64, is actually 5 years younger, cut in 1995 under contract #22-93- 01. (2025)	
(Quaking Aspen	70	Seedling	7	34	Re	ed Maple	Medium	Variable	Variable	01. (2020)	
	Black Cherry	2	Seedling	6		Bla	ck Cherry	Low	Variable	Variable		
	Paper Birch	5	Seedling	7		Bla	ck Spruce	Low	Variable	Variable		
	Balsam Poplar	10	Seedling	7		Suç	gar Maple	Medium	Variable	Variable		
	Red Maple	8	Seedling	5		Pa	per Birch	Low	Variable	Variable		
	Balsam Fir	5	Seedling	8				1			_	
18	6120 - Lov	wland Ceda	ar	Sawtimb	er Well	14.8	155	141-170	N/A		Cedar stand with a patch, in the middle, of very twisted cedar with black	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	ash coming up through. (2025)	
	Black Ash	20	Seedling	5	40	Ва	alsam Fir	Low	Variable	Variable		
	Black Spruce	5		12		Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet		
Nor	thern White Cedar	75		10	155						_	
19	4130	- Aspen		Saplino	g Well	58.7	4 I	mmature	N/A		Stand was harvested in 2020. Super canopy cherry and spruce. Trace	
	Canopy Species	% Cover	Size Class	DBH	l Age						amount of maple. (2025)OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of	
	Black Cherry	10	Log	1							stand 28 which is not to be harvest with stand 19 in the future.	
(Quaking Aspen	79	Log	1	4							
	Paper Birch	1	Log	1								

rt 7 – Stands

Compartment: 51 Year of Entry: 2027

General Comments Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 6128 - Lowland Coniferous, Mixed Poletimber Poor 14.2 155 1-50 N/A 20 Deciduous **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size 8 Variable Northern White Cedar 35 155 Balsam Fir Low Variable 5 6 Paper Birch Seedling Tag Alder Hiah 5 - 10 feet 5 - 10 feet Black Spruce 25 Seedling 6 20 6 Quaking Aspen Seedling 5 8 White Spruce Seedling 10 6 Balsam Poplar Seedling 21 4110 - Sugar Maple Association Sawtimber Well 13.7 108 81-110 N/A Thinned in 2020. % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size **Canopy Species** OPIC - FMD: Thinned 2002 by C.J. logging permit #8-98-01. Basswood 15 13 108 Balsam Fir Low Variable Variable Moderate quality sugar maple, basswood. BA can be patchy but 85 12 108 10 - 20 feet 10 - 20 feet Sugar Maple Ironwood Medium average 110.: 130, 50,100. Ready for improvement selection cut if Wild Red Raspberry High < 5 feet < 5 feet harvest nearby. 6120 - Lowland Cedar 22 Poletimber Well 236 113 141-170 N/A Patchy stand (2025) % Cover Size Class Size **Canopy Species DBH Age Sub-Canopy Species** Density Avg. Height Northern White Cedar 90 8 113 Black Spruce Low Variable Variable Tamarack 5 Seedling 8 Balsam Fir Medium Variable Variable Black Spruce 5 Seedling 8 Tag Alder Medium 5 - 10 feet 5 - 10 feet 4110 - Sugar Maple Association 8.0 23 Sawtimber Well 110 111-140 N/A OPIC - FMD: Good quality hardwoods growing on ridge which falls away **DBH Age Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Size Avg. Height to the north down to a Q stand. High site quality. There is a fair amount Sugar Maple 90 11 110 Balsam Fir Low Variable Variable of large woody debris on the ground from a windthrow event. Scattered throughout the stand a are large 20"+ dbh sugar maple with large vellow 10 18 < 5 feet Basswood Sugar Maple High < 5 feet birch along the north edge. All yellow birch in this stand will be retained Sugar Maple Medium Variable Variable along with most of the larger sugar maple. Cut adjacent stand from Ironwood Medium Variable Variable compartment 52 at the same time. 2012-Stand treated by C.J Logging under contract #003-08-01 fall and winter of 2011-2012. 2016-lots of sugar maple seedlings 1-2' tall especially on the east side. 4130 - Aspen Poletimber Well 28.3 26 N/A Trace amount of large super canopy maple, yellow birch, and white **Immature** 24 spruce. (2025)OPIC - FMD: Cut under permit 12-98-01 in 1999. Size Size Class **DBH Age** Canopy Species % Cover Sub-Canopy Species Density Avg. Height Good aspen regeneration 2016 inventory: aspen saplings Sugar Maple 2 Seedling 8 Paper Birch Low Variable Variable transitioning to pole size. 51 6 26 Balsam Fir Variable Quaking Aspen Seedling Low Variable Balsam Fir 5 Seedling 7 Sugar Maple Medium Variable Variable 40 7 Bigtooth Aspen Seedling Ironwood Low Variable Variable 2 6 Black Cherry Variable Paper Birch Seedling Low Variable

Low

Variable

Variable

Red Maple

Gwinn Mgt. Unit

Report 7 - Stands



Compartment: 51 Year of Entry: 2027

Stand	Level 4 C	over Type	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments					
25	4112 - Maple, Bee	ch, Cherry A	Association	Sawtimb	er Well	14.8	108	111-140	N/A		Trace amount of upland cedar in canopy. Large white spruce standing				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	dead. A few ages of maple present seedling, saplings, poles, and logs. (2025)OPIC - FMD: Poor quality hardwood, lots of clumps, twins and				
	Red Maple	24		12		Sug	ar Maple	Low	Variable	Variable	triples. The stand is quite variable, the aspen component runs				
	Sugar Maple	65		12	108	Ba	lsam Fir	Low	Variable	Variable	throughout the stand with average dbh over 12". There are pockets				
	Quaking Aspen	8		14		Sug	ar Maple	Low	>20 feet	>20 feet	fir poles and much of the hardwood is 2 aged with big remnant hardwoods over smaller poles. Retain the fir pockets. Harvest will be				
	Balsam Fir	1	Seedling	9		Sug	ar Maple	Medium	< 5 feet	< 5 feet	scheduled for the summer months. 2011-Cut by Jim Carey Logging				
	Black Ash	2		12		Leat	therwood	Low	5 - 10 feet	5 - 10 feet	under contract # 002-08-01.2016 inventory: moderate quality hardwood. Maple regen<3', browsed heavily. Heavy Rubus spp. on				
											north end, patchy fir saplings throughout.				
26	4130	4130 - Aspen			Well	25.9	14	Immature	N/A		2015 - Planted hunter walking trail to clover. Planted 9 dolgo				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	rabapples.2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking				
	Balsam Poplar	10	Pole	3		Sug	ar Maple	Trace	< 5 feet	< 5 feet	trail.OPIC - FMD: High volume high quality aspen stand. East part of				
	Paper Birch	2	Pole	3		Bal	lsam Fir	Low	Variable	Variable	stand is almost pure aspen, west portion contains the mix of the other				
	Red Maple	2	Pole	3							□ species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the				
	Quaking Aspen	43	Pole	3	14						adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the sta west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have				
	Bigtooth Aspen	40	Pole	3											
	Balsam Fir	3	Pole	3											
											been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen 2016 inventory: fully stocked 7' aspen stand.				
27	6120 - Lo	wland Ceda	ır	Poletimb	er Well	26.0	130	201+	N/A						
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Lowland cedar stand with transition zone of fir on western edge, wet. Trace amount of aspen, BAM, and black ash.				
	Black Spruce	5		9		Ba	lsam Fir	Medium	Variable	Variable					
	Tamarack	1		9		Northern	White Cedar	Trace	Variable	Variable					
No	orthern White Cedar	94	Seedling	9	130										
28	6118 - Lowland D	eciduous w	ith Cedar	Sawtimb	er Well	6.2	108	81-110	N/A		Ash is falling out BA is variable. (2025)Small pocket of cedar with hardwood upland. Retain pocket for unique habitat.				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Thardwood upland. Inetain pocket for unique habitat.				
	Balsam Poplar	2		12		Ва	lsam Fir	Medium	Variable	Variable					
No	orthern White Cedar	20	Seedling	8		Balsa	am Poplar	Low	Variable	Variable					
	Yellow Birch	3		11		Blac	k Spruce	Low	Variable	Variable					
	Red Maple	50		11	108	Bla	ack Ash	Medium	Variable	Variable					
	Black Ash	20		10							-				

Quaking Aspen

5

10



Stanc	i Level 4 Co	over Type		Size Densi	ty .	Acres Stand Age	BA Range	Managed S	Site	General Comments			
29	4130	- Aspen		Poletimber \	Vell	15.8 43	51-80	N/A	4	Wet ground. Trace amount of paper birch, white spruce, and black spruce. (2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-			
	Canopy Species	% Cover	Size Class	DBH A	ge S	Sub-Canopy Species	Density	Avg. Height	Size	spruce. (2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2- 4" dbh, 20-30' tall.5/26/2016 Field notes: Becoming a pole stand.			
	Balsam Fir	10	Seedling	6		Red Maple	Trace	Variable	Variable	Low ground and seeps, especially along access trail. Old trail has big			
	Quaking Aspen	75	Seedling	5 4	3	Balsam Fir	Medium	Variable	Variable	ruts. Winter ground.			
	Balsam Poplar	15	Seedling	5		Ironwood	Trace	Variable	Variable				
						Black Cherry	Trace	Variable	Variable				
						Tag Alder	Low	5 - 10 feet	5 - 10 feet				
30	6122 - BI	ack Spruce		Poletimber \	Vell	98.5 106	81-110	N/A	4	OPIC - FMD: SCA-This is a new SCA consisting of a low, wet, conifer			
	Canopy Species	% Cover	Size Class	DBH A	ge S	Sub-Canopy Species	Density	Avg. Height	Size	swamp with small flowage. Retain as biodiverstiy maintenance zone to protect riparian values along the small stream. Trace amount of large			
	Quaking Aspen	1		12		Red Maple	Low	Variable	Variable	sugar maple and white spruce on edges.			
No	orthern White Cedar	10		10		Balsam Fir	Low	Variable	Variable				
	Black Spruce	63	Seedling	7 10)6	Tag Alder	Medium	5 - 10 feet	5 - 10 feet				
	Red Maple	1		10		Black Spruce	Low	Variable	Variable				
	Tamarack	25	Seedling	7									
31	42200 - Natu	ural White F	Pine	Sawtimber \	Vell	9.9 91	111-140	N/A	4	OPIC - FMD: Treated under permit #015-92-01. Trace amount of			
	Canopy Species	•			ge S	Sub-Canopy Species	Density	Avg. Height	Size	pole sized aspen, paper birch and black spruce			
	White Pine	64		18 9	1	Balsam Fir	High	Variable	Variable				
	Red Maple	5	Seedling	7		Red Maple	Low	Variable	Variable				
	Jack Pine	1	Seedling	7		Paper Birch	Trace	Variable	Variable				
	Red Pine	30		18		Quaking Aspen	Low	Variable	Variable				
32	6120 - Lo	wland Ceda	ır	Poletimber \	Vell	60.4 120	111-140	N/A	4	Trace amount of quaking aspen. (2025)			
	Canopy Species	% Cover	Size Class	DBH A	ge S	Sub-Canopy Species	Density	Avg. Height	Size				
	Paper Birch	3		8		Black Spruce	Low	Variable	Variable	*			
	Balsam Poplar	2		10		Tag Alder	Medium	5 - 10 feet	5 - 10 feet				
	Black Ash	25	Seedling	6		Red Maple	Low	Variable	Variable				
No	orthern White Cedar	50		9 12	20	Quaking Aspen	Trace	Variable	Variable				
	Red Maple	2		12		Balsam Fir	Medium	Variable	Variable				
	Black Spruce	18		8									
33	4110 - Sugar N	/laple Assoc	ciation	Sawtimber F	oor	7.2 188	1-50	N/A	4	Lots of good established regeneration. 25% canopy closure.			
	Canopy Species	% Cover	Size Class	DBH A	ge S	Sub-Canopy Species	Density	Avg. Height	Size	(2025)Cut in 2020.OPIC - FMD: This is a two-aged stand with large remnant white pine, yellow birch, sugar maple, and hemlock over			
	White Pine	2		16		Wild Red Raspberry	Medium	5 - 10 feet	5 - 10 feet	mixed hardwood poles-mainly soft maple and sugar maple.			
		40		10		Yellow Birch	Low	< 5 feet	< 5 feet	Regeneration carpets the forest floor at a height of 12"-18" but does not			
	Yellow Birch	10		10									
	Yellow Birch Sugar Maple	83		15 18	38	Quaking Aspen	Trace	Variable	Variable	get any taller.			
					38	Quaking Aspen Red Maple	Trace Medium	Variable 10 - 20 feet	Variable 10 - 20 feet	get any taner.			

DEPARTMEN	DNR	
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Stand	Level 4 Cover Type			Size De	ensity	Acres	Stand Age B	A Range	Managed Sit	te	General Comments			
34	4130	- Aspen		Poletimb	er Well	26.5	26	1-50	N/A		OPIC - FMD: Cut under permit 12-98-01 in 1999. Good aspen regeneration 15-20' tall.2016 inventory: Aspen stand transitioning to			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	pole size.			
	Quaking Aspen	83	Pole	4	26	Та	g Alder	Trace	5 - 10 feet	5 - 10 feet	'			
	Balsam Fir	5	Sapling	5		Pap	er Birch	Low	Variable	Variable				
	Paper Birch	2	Pole	4		Bals	sam Fir	Medium	Variable	Variable				
	Red Maple	10	Pole	4		Red	l Maple	Medium	Variable	Variable				
						Suga	ar Maple	Trace	Variable	Variable				
						Bla	ck Ash	Trace	Variable	Variable				
35	6120 - Lo	wland Ceda	ar	Sawtimb	er Well	28.5	160	201+	N/A		Trace amount of black ash and white pine in canopy. Upland cedar o			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	north side with hemlock, red maple and yellow birch mixed in (2025).			
	Balsam Poplar	2		15		Tag	g Alder	Low	5 - 10 feet	5 - 10 feet				
No	rthern White Cedar	83		10	160	Bals	sam Fir	Medium	Variable	Variable				
	Hemlock	1		15										
	Black Spruce	10		10										
	Yellow Birch	2		15										
	Red Maple	2		15										
36	6122 - Bl	ack Spruce)	Sapling l	Medium	392.9	100		N/A		ERA: Landon Lake Poor Conifer Swamp. Some areas more pole siz			
	Canopy Species % Cover Size Class DBH Ag		l Age	Sub-Can	opy Species	Density	Avg. Height	Size						
	Tamarack	5	Pole	3		Black	Spruce	Medium	< 5 feet	< 5 feet				
	Black Spruce	95	Pole	3	100									
37	4130	- Aspen		Saplin	g Well	39.5 4			N/A		Stand was harvested in 2020.Planted numerous shrubs, planted to rve in 2013, planted to clover in 2014. Installed gates. Annual mowing			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	fertilize, and frost seeding. CR438 Hunter Walking Trail.OPIC - FMD			
	Red Maple	10	Log	1		Iro	nwood	Low	< 5 feet	< 5 feet				
	Quaking Aspen	63	Log	1	4						 Final harvest with retention per GEMS guidelines. Retain large super canopy white spruce. 			
	Black Cherry	5	Log	1							carropy write spruce.			
	Paper Birch	2	Log	1										
	Balsam Poplar	20	Log	1										
38	4130	- Aspen		Poletimb	er Well	16.2	34	111-140	N/A		Open/thin stocking area on north side filled with sparse BAM and ¬ spruce. Quite a few old cedar stumps present but looks to be upland.			
	Canopy Species		Size Class		l Age	Sub-Can	opy Species	Density	Avg. Height	Size	Like many of the thin areas nearby this area just didn't regenerate we			
	Quaking Aspen	85	Seedling	7	34		nwood	Low	Variable	Variable	to aspen. (2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is			
	Balsam Poplar	10	Seedling	7		Bals	sam Fir	Low	Variable	Variable	2-4" dbh, 20-30' tall.5/27/16 Field notes: Low seeps on north side. Road is low, full of tag alder and standing water. Access road to 29,			
	Balsam Fir	3	Seedling	6		Black	c Cherry	Low	Variable	Variable	81, 80, 38 has one creek/tributary crossing to the west (stand 29), and			
	Red Maple	2	Seedling	6		Suga	ar Maple	Trace	Variable	Variable	one to south of this stand (stand 30). Winter ground.			
						Red	l Maple	Low	Variable	Variable				
	6239 - Mixed Emergent Wetland													

Compartment: 51 Gwinn Mat. Unit Year of Entry: 2027 **General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 6120 - Lowland Cedar 94.0 Poletimber Medium 97 81-110 N/A OPIC - FMD: Sparse and thick areas. Small streams in the stand 40 connect Landon Lake and Chandler Brook. This stand is biodiversity **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Avg. Height Size Density stewardship for those riparian values. Thick cedar patches and thin Paper Birch 10 Tag Alder 5 - 10 feet 5 - 10 feet High areas with other species such as black spruce and tamarack. Most trees are small and poor timber quality. A couple of small upland islands in this Northern White Cedar 85 12 97 Northern White Cedar < 5 feet < 5 feet Trace stand with hardwood are very remote. Some areas poorly stocked with Black Spruce 8 Seedling 8 trees contain thick alder may have been flooded by beaver in the distant 5 6 Black Ash Seedling past. Area included in this stand south of hardwood in NW1/4 becomes upland but contains cedar. 2015: Stand not visited due to time constraints. Previous inventory very reliable. 4130 - Aspen Poletimber Well 15 7 32 81-110 N/A CR 438 Hunter Walking Trail: Planted numerous shrubs, planted to rye 41 in 2013, planted to clover in 2014. Installed gates. Annual moving. **Canopy Species** Size Class Size % Cover **DBH Age Sub-Canopy Species** Density Avg. Height fertilize, and frost seeding. OPIC - FMD: Cut under permit # 38-88-Balsam Poplar 10 8 Paper Birch Low Variable Variable Seedling 1, aspen has regenerated nicely and is 15-25' tall. Trace red pine and white spruce in the canopy. (2025) Balsam Fir 2 6 Medium Variable Variable Seedling Balsam Fir Quaking Aspen 80 Sapling 7 32 Ironwood Medium Variable Variable 5 Paper Birch 5 Sapling Sugar Maple Low Variable Variable White Pine 19 Variable 1 Red Maple High Variable 2 5 Black Cherry Sapling Black Spruce Trace Variable Variable 3102 - Grass 3.1 Yes Opening cultivated according to GEMS plan. Opening cultivated in 42 None 2019. 2021. 2022. Opening mowed to maintain in 2023. 2024. 4119 - Mixed Northern Hardwoods Sawtimber Well 52 106 81-110 N/A Thinned in 2020. Trace amount of super canopy XL white pine. 43 (2025)OPIC - FMD: Poor timber quality larger red maple and yellow % Cover Size Class **Sub-Canopy Species** Avg. Height Size **Canopy Species DBH Age** Density birch. Possible to thin with compartment to north to get larger sale. Yellow Birch 13 Red Maple Low Variable Variable Some areas not stocked well with hardwood but thick fir under. Good potential for red maple to improve but many cull trees here. Good Paper Birch 5 10 Sugar Maple Low Variable Variable wildlife stand with hemlock, den trees, large diameter hardwood. Access 5 15 Medium < 5 feet < 5 feet Hemlock Wild Red Raspberry not good enough for sale alone at this time. Will cut with stand to the Northern White Cedar 10 10 Balsam Fir Low Variable Variable north. Underplant hemlock for diversity after harvest by wildlife division.Summer log if possible. 2009: Prepared as #029-07-02 "Half 'N 5 11 Sugar Maple Half" sale, but never cut. No underplanting done either. Red Maple 74 11 | 106 6224 - Treed Boa None 26.6 No Tree bog with small pond. Some merchantable trees on edge. Mostly 44 black spruce. Aspen, cedar, white pine, and tamarack also present on Size Sub-Canopy Species Density Ava. Height edges. (2025) Black Spruce High < 5 feet < 5 feet 42200 - Natural Mixed Pine Sawtimber Well 21.7 160 81₋110 ΝΙ/Δ ERA: Landon Lake Pines Dry-mesic Northern Forest. Lots of standing

Low

Low

Variable

Variable

Variable

Variable

4	5 42290 - Natu	iai wixed Fille	Sawumber Weil	21.7 100	01-110	IN/F	`
	Canopy Species	% Cover Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Northern White Cedar	2	10	Black Spruce	Low	>20 feet	>20 feet
	Black Spruce	5	10	Black Spruce	Low	Variable	Variable
	White Pine	40	25 160	Wild Red Raspberry	Low	5 - 10 feet	5 - 10 feet

White Pine

Balsam Fir

20

12

160

dead/fallen fir on edges with raspberry. Trace amount of red maple in canopy. (2025)

Red Pine

Paper Birch

48

5



Stand Level 4 Co		ver Type	ver Type		Size Density A	Acres Stand Age BA Range		Managed S	Site	General Comments	
46	4130	- Aspen		Sapling	y Well	32.0	23 I	mmature	N//	A	Trace amount of jack pine and oak in canopy. Very diverse stand.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2025)OPIC - FMD: Former white birch, aspen, and red and white pine stand. Stand was treated with a seed tree cut in 2001and 2002 by
	Paper Birch5Log2Balsam FirLowVariableVariable					Variable	Usher under permit #007-98-01. 2016-There is a fair amount of white				
	Bigtooth Aspen	10	Pole	3		W	hite Pine	Medium	10 - 20 feet	10 - 20 feet	birch regen 5-15' tall especially on disturbed soil areas, but much of the
	Red Maple	10	Pole	2		W	hite Pine	Low	< 5 feet	< 5 feet	stand has regenerated to quaking and bigtooth aspen.
	Black Cherry	5	Log	2		R	led Pine	Low	Variable	Variable	
	White Pine	2	Log	2							
	Balsam Poplar	5	Pole	3							
	White Pine	10		13	70						
	Quaking Aspen	52	Pole	3	23						
	Red Pine	1	Log	2							
47	4115 - Y.Bircl	n, Hemlock	NH	Sawtimb	er Poor	4.3	110	1-50	N//	A	Seed tree cut in 2020. Yellow birch seed trees left.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	OPIC - FMD: Stand is a mix of poor quality hardwoods, aspen, and a
	Paper Birch	10		15		Wild R	ed Raspberry	Low	< 5 feet	< 5 feet	few spruce and fir. Northern border with stand 28 is very indistinct.
	Yellow Birch	85		10	110	Ye	llow Birch	Trace	Variable	Variable	2016 inventory: wetter, poor quality red maple. White cedar and black
Nor	thern White Cedar	5		10		Ca	attail spp.	Low	Not Applicable	Not Applicabl	ash swale down middle. Moderate quality yellow birch.
				'		Re	ed Maple	Medium	5 - 10 feet	5 - 10 feet	
						R	ted Oak	Trace	Variable	Variable	
						Ва	alsam Fir	Low	Variable	Variable	
						Qua	king Aspen	Low	Variable	Variable	
						Bla	ck Cherry	Trace	Variable	Variable	
						В	ack Ash	Low	Variable	Variable	
						Ta	ag Alder	Low	< 5 feet	< 5 feet	
						Su	gar Maple	Trace	Variable	Variable	
						Pa	per Birch	Low	Variable	Variable	
48	622 - Low	rland Shrub)	Noi	ne	3.1			No	0	Culvert on west side by road, drains to the west.
49	4110 - Sugar M	laple Asso	ciation	Sawtimb	er Well	1.2	108	81-110	N//	A	OPIC - FMD: Small patch of hardwood growing along aspen ridge.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	5/26/16 Field notes: somewhat wolfy sugar maple and overmature
	Red Maple	1	Seedling	8		Ва	alsam Fir	Low	>20 feet	>20 feet	aspen. Good sugar maple regen. Average BA 80.
	Sugar Maple	96		12	108	Su	gar Maple	Low	Variable	Variable	
	Quaking Aspen	1		15		Ва	alsam Fir	Medium	Variable	Variable	
	Paper Birch	2	Seedling	6							-

Stand	d Level 4 Co	over Type		Size Density	Acres	Stand Age	BA Range	Managed S	ite	General Comments
50	6117 - Lowland I Coni	Deciduous, ferous	Mixed	Poletimber Wel	l 29.8	108	81-110	N/A		OPIC - FMD: Stand is quite variable, also contains cedar. Soils are saturated almost throughout the entire stand. Amost a P type. There is
	Canopy Species	% Cover	Size Class	DBH Age						a strip of tag alder running through the center of the stand with some kind of flowage.
	Sugar Maple	20	Sapling	6						Mild of howage.
	Quaking Aspen	25		12 108						5/26/16 Field notes: Overmature aspen, paper birch, and white spruce
No	orthern White Cedar	10	Sapling	7						are declining. SBW in the area. Good sugar maple regeneration: patches of seedlings and poles. Stand converting to northern
	Paper Birch	15		12						hardwoods. Gentle slope (<10%) to creek. Seeps/very wet spots occur
	Yellow Birch	2	Sapling	5						in spots.
	Balsam Fir	18	Sapling	5						
51	6121 - 1	amarack		Poletimber Poo	r 59.1	110	1-50	N/A	1	Very wet. Trees smaller around N type stand, i.e., stand 39. Trace
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	amount of aspen along the southern edges.
No	orthern White Cedar	17		8	Ca	ttail spp.	Low	Not Applicable	Not Applicable	
	Paper Birch	2	Sapling	6	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
	Red Maple	1	Sapling	6						
	Tamarack	60	Sapling	6 110						
	Black Spruce	20	Sapling	6						
52	6132 - Mixed Lowla	nd Forest v	vith Cedar	Poletimber Poo	r 14.8	80	51-80	N/A		Very wet and breaking up (2025)OPIC - FMD: SCA-Retain as biodiversity maintainance corridor along Chandler Brook. Mixed
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	conifers consist of fir, black spruce, tamarack.5/26/16 Field Notes:
	Tamarack	5		8		ag Alder	High	5 - 10 feet	5 - 10 feet	Mostly lowland stream buffer. SBW initial stages observed in the area.
	Paper Birch	15		10		am Poplar	Low	Variable	Variable	
	Quaking Aspen	15		12		gar Maple	Low	Variable	Variable	
	Balsam Poplar	10		12	Qual	king Aspen	Low	Variable	Variable	
	Black Spruce									
No	artharn White Cader	30	Seedling	8 80	Pa	per Birch	Low	Variable	Variable	
	orthern White Cedar	20	Seedling	8 80 14	Pa Ba	lsam Fir	Low Medium	Variable	Variable	
	Black Ash		Seedling Seedling	8 80	Pa Ba Re	ilsam Fir d Maple	Medium Low	Variable Variable	Variable Variable	
		20		8 80 14	Pa Ba Re Blac	ed Maple ck Spruce	Medium	Variable Variable Variable	Variable Variable Variable	
		20		8 80 14	Pa Ba Re Blac	ilsam Fir d Maple	Medium Low	Variable Variable	Variable Variable	
53		5	Seedling	8 80 14	Pa Ba Re Blac	ed Maple ck Spruce	Medium Low Medium	Variable Variable Variable	Variable Variable Variable Variable	This stand wasn't harvested with adjacent aspen stand. I believe this
53	Black Ash	20 5 Aspen, Map	Seedling	8 80 14 6 108	Pa Ba Re Blac Bl	alsam Fir d Maple ck Spruce ack Ash	Medium Low Medium Low 1-50	Variable Variable Variable Variable	Variable Variable Variable Variable	stand naturally regenerated to mostly red maple saplings as spruce and
53	Black Ash 6130 - Fir, A	20 5 Aspen, Map	Seedling	8 80 14 6 108 Sapling Well	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash	Medium Low Medium Low 1-50	Variable Variable Variable Variable N/A	Variable Variable Variable Variable	
53	Black Ash 6130 - Fir, A	20 5	Seedling ole Size Class	8 80 14 6 108 Sapling Well	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash 25 nopy Species	Medium Low Medium Low 1-50 Density	Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable Size	stand naturally regenerated to mostly red maple saplings as spruce and
53	Black Ash 6130 - Fir, A Canopy Species Balsam Poplar	20 5 Aspen, Map % Cover 2	Seedling ble Size Class Seedling	8 80 14 6 108 Sapling Well DBH Age 8	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash 25 nopy Species	Medium Low Medium Low 1-50 Density	Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable Size	stand naturally regenerated to mostly red maple saplings as spruce and
53	Black Ash 6130 - Fir, A Canopy Species Balsam Poplar Balsam Fir Quaking Aspen Paper Birch	20 5 Aspen, Map % Cover 2 10	Seedling Size Class Seedling Seedling	8 80 14 6 108 Sapling Well DBH Age 8 8 4 10	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash 25 nopy Species	Medium Low Medium Low 1-50 Density	Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable Size	stand naturally regenerated to mostly red maple saplings as spruce and
53	Black Ash 6130 - Fir, A Canopy Species Balsam Poplar Balsam Fir Quaking Aspen Paper Birch White Spruce	20 5 Aspen, Map % Cover 2 10 5 5 2	Seedling Size Class Seedling Seedling	8 80 14 6 108 Sapling Well DBH Age 8 8 4 10 14	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash 25 nopy Species	Medium Low Medium Low 1-50 Density	Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable Size	stand naturally regenerated to mostly red maple saplings as spruce and
53	Black Ash 6130 - Fir, A Canopy Species Balsam Poplar Balsam Fir Quaking Aspen Paper Birch White Spruce Tamarack	20 5 Aspen, Map % Cover 2 10 5 5 2 5	Seedling Size Class Seedling Seedling	8 80 14 6 108 Sapling Well DBH Age 8 8 4 10 10 14 12	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash 25 nopy Species	Medium Low Medium Low 1-50 Density	Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable Size	stand naturally regenerated to mostly red maple saplings as spruce and
53	Black Ash 6130 - Fir, A Canopy Species Balsam Poplar Balsam Fir Quaking Aspen Paper Birch White Spruce	20 5 Aspen, Map % Cover 2 10 5 5 2	Seedling Size Class Seedling Seedling	8 80 14 6 108 Sapling Well DBH Age 8 8 4 10 14	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash 25 nopy Species	Medium Low Medium Low 1-50 Density	Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable Size	stand naturally regenerated to mostly red maple saplings as spruce and
53	Black Ash 6130 - Fir, A Canopy Species Balsam Poplar Balsam Fir Quaking Aspen Paper Birch White Spruce Tamarack	20 5 Aspen, Map % Cover 2 10 5 5 2 5	Seedling Size Class Seedling Seedling Log	8 80 14 6 108 Sapling Well DBH Age 8 8 4 10 10 14 12	Pa Ba Re Blac Bl	alsam Fir ad Maple ck Spruce ack Ash 25 nopy Species	Medium Low Medium Low 1-50 Density	Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable Size	stand naturally regenerated to mostly red maple saplings as spruce and



Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
54	6122 - BI	ack Spruce	Pc Pc	letimbe	r Medium	88.7	70	1-50	N/A	1	Low, extremely wet mixed swamp conifer. Based on site inspection and
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	area records, they likely re-entered this stand in the 50's, like many in the area, and cut the remaining clumps/merchantable residual left from
	Tamarack	10		10		Ta	marack	Low	Variable	Variable	when the stand was originally cut. (2025)
	Red Pine	1		15		Blad	ck Spruce	Medium	Variable	Variable	
	White Pine	5	Seedling	8		Blad	ck Spruce	Medium	< 5 feet	< 5 feet	
No	orthern White Cedar	30		10	120	Re	ed Maple	Low	Variable	Variable	
	Black Spruce	54	Seedling	6	70	WI	hite Pine	Low	Variable	Variable	
55	4130	- Aspen	Po	letimbe	r Medium	13.7	49	81-110	N/A	\	Winter cut. Lots of standing dead spruce and fir. Trace amount of iron
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	wood and cherry in canopy (2025) OPIC - FMD: Slow growing aspen stand, much of it with wet feet. 2016-Decent aspen on the side slope,
	Balsam Fir	5	Seedling	6		Ва	ılsam Fir	Medium	Variable	Variable	smaller at the bottom.
	Red Maple	5	Seedling	8		Sug	gar Maple	Low	Variable	Variable	
	White Spruce	3	Seedling	8		Sug	gar Maple	Low	Variable	Variable	
	Paper Birch	2		8				-			_
	Balsam Poplar	10		8							
	Quaking Aspen	71	Seedling	9	49						
No	orthern White Cedar	2		9							
	Sugar Maple	2		10							
56	6120 - Lov	wland Ceda	ar Po	letimbe	r Medium	8.1	113	1-50	N/A	<u> </u>	OPIC - FMD: Very wet, somewhat sparse cedar stand.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	White Spruce	10	Pole	2		Ва	ılsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Balsam Fir	10	Pole	2							
	Tamarack	10	Pole	3							
	Black Spruce	10	Seedling	5							
No	orthern White Cedar	60		10	113						
57	6220 - A	lder/Willow		Noi	ne	15.8			No		Very wet site. Diverse site with maple, birch, spruce, aspen, BAM, black ash, black spruce, and cedar. Lots of trees falling down. Lots of tag alder. (2025)OPIC - FMD: SCA-Tag alder and willow. Retain as biodiversity maintenance area to protect riparian values.
58	4130	- Aspen		Sapling	g Well	4.8	4	Immature	N/A		Cut in 2020. regenerated back to mostly aspen and a little red maple. Trace amount of large super canopy maple, big tooth, and
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	elmOPIC - FMD: Cut under permit 12-98-01 in 1999. Good aspen
	Bigtooth Aspen	50	Log	1	4	Ва	ılsam Fir	Low	Variable	Variable	regeneration.2016 inventory: aspen saplings transitioning to pole size.
	Red Maple	5	Log	1				-			
	Quaking Aspen	45	Log	1	4						



Stand	d Level 4 C	over Type		Size Den	nsity	Acres	Stand Age	DA Italige	Managed Sit	e	General Comments
59	4130	- Aspen		Sapling '	Well	36.0	14	Immature	N/A		2014 & 2015 - installed kiosk for grouse gem and improved turnaround
	Canopy Species	% Cover	Size Class	DBH	Age						parking area. SE corner of this stand.OPIC - FMD: Stand is composed of white birch, upland black spruce, fir, poor quality soft
	White Spruce	2	Pole	4							maple and a few aspen. A lot of fir is dead and down. Most of the
	Quaking Aspen	89	Log	3	14						regeneration is black spruce and fir. Remove overstory. The stand
	Balsam Fir	2	Pole	4							should regenerate primarily to spruce/fir , with a mix of aspen, red maple, and possibly white pine. Aspen and white pine are both
	Black Cherry	2	Log	3							acceptable regeneration alternatives. Harvesting will be scheduled for
	White Pine	3		14							the summer months. 2011-Cut by Jim Carey Logging under contract #
	Black Spruce	2	Sapling	6							002-08-01.2016 inventory: WP/conifer retention islands, moderate RM regen, and poor aspen regen on east (west-facing slope) side of stand. Good aspen regen in remainder (2/3 of total area) of stand.
61	4110 - Sugar N	Maple Assoc	ciation S	awtimbe	er Well	17.8	108	81-110	N/A		Thinned in 2020. Carpet of sugar maple seedlings. Did not see a
	Canopy Species	% Cover	Size Class	DBH	Aae	Sub-Car	nopy Species	s Density	Avg. Height	Size	significant component of older saplings as noted in the past. My guess is that these areas were adversely impacted by harvest. (2025)OPIC -
	Sugar Maple	95		13	108		Isam Fir	Low	Variable	Variable	FMD: Cut under permit 12-98-01 in 1999. Stand is even-aged with very
	Red Maple	5		13		Iro	nwood	Medium	Variable	Variable	little regeneration, mostly ironwood. Dense raspberry regen. Some
	•					Wild Ro	d Raspberry	High	< 5 feet	< 5 feet	knee high pockets of sugar maple seedlings, but these are heavily
						vviid i te	u Naspuerry	riigii			
							ar Maple	High	< 5 feet	< 5 feet	browsed.2016 inventory: Richer site. Moderate quality sugar maple logs. South-facing slope has very little, <3' browsed sugar maple
						Suga			< 5 feet Variable	< 5 feet Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
						Suga	ar Maple	High			logs. South-facing slope has very little, <3' browsed sugar maple
62	4116 - Mixed N.	Hardwood -	- Aspen S	awtimbe	er Well	Suga	ar Maple	High			logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62	4116 - Mixed N. Canopy Species		- Aspen S	awtimbe DBH		Suga Suga 4.5	ar Maple ar Maple	High Low	Variable		logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62						Suga Suga 4.5 Sub-Car	ar Maple ar Maple	High Low	Variable N/A	Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62	Canopy Species	% Cover		DBH		Suga Suga 4.5 Sub-Car	ar Maple ar Maple 108 nopy Species	High Low 111-140 S Density	Variable N/A Avg. Height	Variable Size	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62	Canopy Species Paper Birch	% Cover		DBH		Suga Suga 4.5 Sub-Car Rec Suga	ar Maple ar Maple 108 nopy Species d Maple	High Low 111-140 S Density Trace	Variable N/A Avg. Height Variable	Variable Size Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62	Canopy Species Paper Birch Sugar Maple	% Cover 2 5	Size Class	DBH 15 10		Suga Suga 4.5 Sub-Car Rec Suga	ar Maple ar Maple 108 nopy Species d Maple ar Maple	High Low 111-140 S Density Trace Trace	Variable N/A Avg. Height Variable Variable	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62	Canopy Species Paper Birch Sugar Maple Balsam Fir	% Cover 2 5 2	Size Class	DBH 15 10 9		Suga Suga 4.5 Sub-Car Rec Suga	ar Maple ar Maple 108 nopy Species d Maple ar Maple	High Low 111-140 S Density Trace Trace	Variable N/A Avg. Height Variable Variable	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch	% Cover 2 5 2 3	Size Class	DBH 15 10 9 15 19		Suga Suga 4.5 Sub-Car Rec Suga	ar Maple ar Maple 108 nopy Species d Maple ar Maple	High Low 111-140 S Density Trace Trace	Variable N/A Avg. Height Variable Variable	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
62	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch Bigtooth Aspen Red Maple	% Cover 2 5 2 3 28	Size Class	DBH 15 10 9 15 19	Age 108	Suga Suga 4.5 Sub-Car Rec Suga	ar Maple ar Maple 108 nopy Species d Maple ar Maple	High Low 111-140 S Density Trace Trace	Variable N/A Avg. Height Variable Variable	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar
	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch Bigtooth Aspen Red Maple 6220 - A	% Cover	Size Class Seedling er P	DBH	108 e	Suga Suga 4.5 Sub-Car Rec Suga Bal	ar Maple ar Maple 108 nopy Species d Maple ar Maple	High Low 111-140 S Density Trace Trace	Variable N/A Avg. Height Variable Variable Variable	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen. Cut in 1995 under contract # 22-93-01, former birch/aspen stand. Stand
63	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch Bigtooth Aspen Red Maple 6220 - A 4113 - R.M Canopy Species	% Cover	Size Class Seedling	DBH 15 10 9 15 19 10 None	108 e	Suga Suga 4.5 Sub-Car Rec Suga Bal	ar Maple ar Maple 108 nopy Species d Maple ar Maple lsam Fir	High Low 111-140 s Density Trace Trace Medium	Variable N/A Avg. Height Variable Variable Variable No	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen.
63	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch Bigtooth Aspen Red Maple 6220 - A 4113 - R.M Canopy Species Balsam Fir	% Cover	Size Class Seedling er P	DBH	108 e	Suga Suga 4.5 Sub-Car Rec Suga Bal	ar Maple ar Maple 108 nopy Species d Maple ar Maple lsam Fir	High Low 111-140 s Density Trace Trace Medium	Variable N/A Avg. Height Variable Variable Variable No	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen. Cut in 1995 under contract # 22-93-01, former birch/aspen stand. Stand consists of scattered aspen clones with occasional fir. Whie birch did
63	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch Bigtooth Aspen Red Maple 6220 - A 4113 - R.M Canopy Species	% Cover	Size Class Seedling er P Size Class	DBH 15 10 9 15 19 10 None	108 ee	Suga Suga 4.5 Sub-Car Rec Suga Bal	ar Maple ar Maple 108 nopy Species d Maple ar Maple lsam Fir	High Low 111-140 s Density Trace Trace Medium	Variable N/A Avg. Height Variable Variable Variable No	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen. Cut in 1995 under contract # 22-93-01, former birch/aspen stand. Stand consists of scattered aspen clones with occasional fir. Whie birch did regenerate in patches but was browsed heavily by moose, as was much
63	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch Bigtooth Aspen Red Maple 6220 - A 4113 - R.M Canopy Species Balsam Fir	% Cover	Size Class Seedling er P Size Class Seedling	DBH	108 e	Suga Suga 4.5 Sub-Car Rec Suga Bal	ar Maple ar Maple 108 nopy Species d Maple ar Maple lsam Fir	High Low 111-140 s Density Trace Trace Medium	Variable N/A Avg. Height Variable Variable Variable No	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen. Cut in 1995 under contract # 22-93-01, former birch/aspen stand. Stand consists of scattered aspen clones with occasional fir. Whie birch did regenerate in patches but was browsed heavily by moose, as was much
63	Canopy Species Paper Birch Sugar Maple Balsam Fir Yellow Birch Bigtooth Aspen Red Maple 6220 - A 4113 - R.M Canopy Species Balsam Fir Black Cherry	% Cover	Size Class Seedling er P Size Class Seedling	DBH	108 ee	Suga Suga 4.5 Sub-Car Rec Suga Bal	ar Maple ar Maple 108 nopy Species d Maple ar Maple lsam Fir	High Low 111-140 s Density Trace Trace Medium	Variable N/A Avg. Height Variable Variable Variable No	Variable Size Variable Variable	logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen. Cut in 1995 under contract # 22-93-01, former birch/aspen stand. Stand consists of scattered aspen clones with occasional fir. Whie birch did regenerate in patches but was browsed heavily by moose, as was much

Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	Year of Entry: 2027 General Comments
65	4134 - Aspe	en, Spruce/l	Fir Sa	awtimber	Medium	13.1	61	51-80	N/A	A	Spruce budworm wiped out understory spruce and balsam. Almost all balsam fir and white spruce understory sapling/poles standing dead or
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	on the ground. This was cut by Bianchi Bros in the early 60s
	Black Spruce	25		10		Re	d Maple	High	Variable	Variable	(2025)Widely scattered big W. Pine 20-24" over thick 6" dbh 2-stick
	White Spruce	2		12							fir with black spruce poles. Scattered aspen, cedar, white birch. "Island" of upland in a treed bog. Evidence of old burn, which
	Red Maple	5		12							corresponds with the age of the fir. Former SCA nomination.
	White Pine	5		25							
	Quaking Aspen	63		12	61						
66	4113 - R.M	aple, Conife	er F	Poletimb	er Well	14.3	50	81-110	N/A	4	Stream/low area through middle of stand. (2025)Heavily cutover hw
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand with wp, h components. Multistep rm, sm sap/poles. Good diversity of species. Seep along access Rd. Not ready for
	White Pine	5		25		Sug	ar Maple	Low	< 5 feet	< 5 feet	management. Favor yb, h.OPIC - FMD: Stand was cut hard last
Nor	rthern White Cedar	2		10		Ва	lsam Fir	Medium	Variable	Variable	treatment period, regenerating very well to soft maple.
	Red Maple	53		8	50	Re	d Maple	Low	Variable	Variable	
	Hemlock	10		15		Ta	ıg Alder	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10	Seedling	6							_
	Paper Birch	5		8							
	Sugar Maple	10		15	188						
	Yellow Birch	5	Seedling	6							
67	4190 - Mixed Upla Ce	and Decidud edar	ous with	Sawtimb	er Well	47.5	64	141-170	N/A	4	Pockets of upland cedar throughout. NW corner has more BF understory but is almost all standing dead. (2025)"Island" of
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	hardwood surrounded by wet swamp. High water levels prevented onsite review. Older OIPC comments as follows: Cut about 1961. Lot
	Balsam Poplar	15		13		Irc	nwood	Low	Variable	Variable	of residual left then. Areas of large hardwood. Aspen and Balm areas
	Sugar Maple	10		10		Ва	lsam Fir	Low	>20 feet	>20 feet	mature but younger. Could CC or thin.
	Black Spruce	2		10		Sug	ar Maple	Medium	Variable	Variable	
	Red Maple	14		10		Haze	Inut (Spp.)	Medium	< 5 feet	< 5 feet	
Nor	rthern White Cedar	20		15	120	Balsa	am Poplar	Low	Variable	Variable	
	Paper Birch	35		14	64	Re	d Maple	Medium	Variable	Variable	
	White Pine	2		20						•	_
68	4130	- Aspen	F	Poletimb	er Well	24.3	37	81-110	N/A	4	Cut in 1987. Small opening 0.9 acres on west side. (W32-352: reseeded
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	8/1990 (0.9 acres) Opening has grown in and is mostly saplings. (2025)
	Quaking Aspen	80	Seedling	7	37	Blac	ck Cherry	Low	Variable	Variable	
	Black Spruce	1	Seedling	8		Re	d Maple	Low	Variable	Variable	
	Black Cherry	2	Pole	4		Ва	lsam Fir	Low	Variable	Variable	
	Balsam Fir	5	Seedling	8						•	_

Balsam Poplar

White Spruce

10

2

7

8

Seedling

Seedling



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed Si	te	General Comments
69	6120 - Lo	wland Ceda	r Po	oletimber Medium	107.0	151	81-110	N/A		Trace super canopy white pine. Diverse stand. Some areas a little
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	higher with some aspen and maple but are still low and mixed with ceda and other lowland species. (2025)OPIC - FMD: Mix of cedar and
	Yellow Birch	1		15	Ва	lsam Fir	Medium	Variable	Variable	other lowland conifer. Cedar occurs in pure stands not typed out
	Red Maple	5		10	Ta	ng Alder	Medium	5 - 10 feet	5 - 10 feet	separately here but also fir,spruce,tamarack,balm, and w.birch. Cedar
	Hemlock	2		15				<u> </u>		¹ more north part of stand where it gets wider between upland and Chandler Brook. Some larger white pines in areas especially along
	Black Spruce	5	Seedling	9						upland edges. Alder thick in areas especially where overstory is scant.
	Quaking Aspen	3		14						Chandler brook riparian values protected with this stand. 2015: Lots of
	Balsam Poplar	1		12						standing water.
	Paper Birch	3		10						
	Tamarack	2	Seedling	8						
No	orthern White Cedar	78		9 151						
70	42330 -	Upland Fir	1	Poletimber Poor	5.8	34	1-50	N/A		OPIC - FMD: Originally part of stand 38, this is a fringe of fir and white
	Canopy Species	% Cover	Size Class	DBH Age						spruce that did not regenerate to aspen. Si from stand 38.
	Red Maple	5	Seedling	5						
	Black Cherry	10	Pole	4						
	Black Spruce	1	Seedling	6						
	Balsam Fir	82	Seedling	8 34						
	White Spruce	2	Seedling	6						
71	4319 - Mixed	d Upland Fo	rest	Poletimber Poor	3.9	34	1-50	N/A		Looks like another area that didn't regenerate well to aspen.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2025)OPIC - FMD: High knob of stand 38 that did not regenerate to aspen. U is mostly cherry brush, small fir and raspberry.
	Black Cherry	2	Log	3	Wild Re	ed Raspberry	Medium	< 5 feet	< 5 feet	
	Paper Birch	3	Log	3						
	Balsam Poplar	5	Sapling	5						
	Red Maple	30	Log	3						
	Balsam Fir	55	Sapling	6 34						
	Quaking Aspen	5	Pole	2						
72	42200 - Nati	ural White P	ine S	awtimber Medium	13.4	90	51-80	N/A		OPIC - FMD: Former white birch, aspen, and red and white pine stand.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	permit #007-98-01. There is a fair amount of white birch regen 6-12"
	White Pine	95		17 90	Pa	oer Birch	Low	Variable	Variable	tall especially on disturbed soil areas, but much of the stand has
	Red Pine	5		16 90	WI	nite Pine	Medium	Variable	Variable	regenerated to quaking and bigtooth aspen. 2016-Heavier component
					Blac	k Spruce	Trace	Variable	Variable	of pine. Decent mix pine regen where soil was disturbed. White birch along the main dirt road. Nice stand.
					Re	d Maple	Trace	>20 feet	>20 feet	
					Quak	king Aspen	Medium	Variable	Variable	
					Ва	Isam Fir	Medium	Variable	Variable	
					Re	d Maple	Low	Variable	Variable	
73	6239 - Mixed E	mergent W	etland	None	26.6			No		OPIC - FMD: Beaver Flooding 2016-Former beaver flooding

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed Si	ite	General Comments
74	4130	- Aspen		Poletimb	er Well	4.0	26	1-50	N/A		2014 & 2015 - installed kiosk for grouse gem and improved turnaround
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	parking area. SE corner of this stand.OPIC - FMD: Stand is composed of white birch, upland black spruce, fir, poor quality soft
	Paper Birch	3	Sapling	5		Blad	ck Cherry	Low	Variable	Variable	maple and a few aspen. A lot of fir is dead and down. Most of the
	Red Maple	2	Seedling	7		Sug	ar Maple	Medium	Variable	Variable	regeneration is black spruce and fir. Remove overstory. The stand
	Quaking Aspen	90	Seedling	5	26				1		→ should regenerate primarily to spruce/fir , with a mix of aspen, red maple, and possibly white pine. Aspen and white pine are both
	White Spruce	2	Seedling	5							acceptable regeneration alternatives. Harvesting will be scheduled for
	Balsam Fir	3	Seedling	5							the summer months. 2011-Cut by Jim Carey Logging under contract # 002-08-01.2016 inventory: same age as stand 34.
75	6121 -	Famarack		Sapling	Well	9.7	24	Immature	N/A		OPIC - FMD: Former S6 stand treated under permit # 007-98-01, it has
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regenerated to tamarack and black spruce.
	Tamarack	89	Log	3	24	Та	marack	Medium	< 5 feet	< 5 feet	
	Black Spruce	5	Log	3		Blac	k Spruce	Medium	< 5 feet	< 5 feet	
	Red Pine	2	Log	4			•				
	Quaking Aspen	2	Log	3							
	White Pine	2	Log	3							
76	4134 - Aspe	en, Spruce/F	Fir	Sawtimb	er Well	80.1	108	111-140	N/A		OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of
	Canopy Species	% Cover	Size Class	DBH	Age						this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.
	Quaking Aspen	75		11	108						
	Paper Birch	2		13							
	White Spruce	5		11							
	Balsam Fir	18		6							
77	4134 - Aspe	en, Spruce/l	=ir	Poletimb	er Well	20.3	52	51-80	N/A		Planted numerous shrubs, planted to rye in 2013, planted to clover in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2014. Installed gates. Annual mowing, fertilize, and frost seeding. CR438 Hunter Walking Trail.OPIC - FMD: Nice aspen with BA running
	Quaking Aspen	35		10		Sug	ar Maple	Low	Variable	Variable	from 70-130, average of 80. 3-4 sticks tall. Stand shares a hunter
	Bigtooth Aspen	35		10	52	Re	d Maple	Low	Variable	Variable	walking trail with stand 77 which is need of maintainance. 2016-
	Balsam Fir	30		10		Ва	lsam Fir	Medium	Variable	Variable	Scheduled for harvest under GEMS plan in 2022.
78	4130	- Aspen		Poletimb	er Well	17.3	32	51-80	N/A		CR 438 Hunter Walking Trail: Planted numerous shrubs, planted to rye
	0	0/ 0	Size Class	-	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Canopy Species	% Cover	Size Class	DRH	Age			Denoity	Avg. Holghi	OIZC	↓ fertilize, and frost seeding. OPIC - FMD: Cut under permit # 38-88-
	Paper Birch	% Cover	Seedling	5 5	Age		d Maple	High	Variable	Variable	fertilize, and frost seeding. OPIC - FMD: Cut under permit # 38-88- 1, aspen has regenerated nicely and is 15-25' tall. Trace red pine
					Age	Re					
	Paper Birch	5	Seedling	5 5 8	Age	Re Sug	d Maple	High	Variable	Variable	1, aspen has regenerated nicely and is 15-25' tall. Trace red pine
	Paper Birch Black Cherry	5 2	Seedling Seedling	5	Age	Re Sug Iro	d Maple ar Maple	High Low	Variable Variable	Variable Variable	1, aspen has regenerated nicely and is 15-25' tall. Trace red pine
	Paper Birch Black Cherry Balsam Poplar	5 2 10	Seedling Seedling	5 5 8	32	Re Sug Iro Paj	d Maple ar Maple onwood	High Low Medium	Variable Variable Variable	Variable Variable Variable	1, aspen has regenerated nicely and is 15-25' tall. Trace red pine

Stand	i Level 4 Co	over Type		Size Density	Acres	Stand Age E	BA Range	Managed Sit	te	General Comments
79	4130	- Aspen	F	Poletimber Well	12.1	37	111-140	N/A		Pocket of balsam fir mixed in with BAM and aspen on south side
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2025)OPIC - FMD: 4" average well-stocked except about 2-3 acres non-stocked with raspberry NW along hardwood edge. Looks to be
	Balsam Poplar	2	Seedling	7 37	Re	d Maple	Low	Variable	Variable	gradually seeding in with some balsam fir. Balsam poplar in some
	Black Cherry	3	Seedling	6	Bla	ck Cherry	Low	Variable	Variable	areas. Cut as "Perrin Brothers Island Sale" #010-87-1 in 1988. 2015:
	Paper Birch	1	Pole	4	Sug	jar Maple	High	Variable	Variable	South end of stand with numerous blowdown, snapped stems - poor shape. Being replaced by sugar maple.
No	orthern White Cedar	1		10						
	Balsam Fir	5	Seedling	8						
	Quaking Aspen	87	Seedling	7 37						
	Sugar Maple	1		10						
80	4130	- Aspen	F	Poletimber Well	12.6	34	141-170	N/A		Trace amount of black spruce and paper birch in canopy.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tall.5/27/16 Field Notes: Becoming aspen pole stand. Higher
	White Spruce	1	Seedling	6	Re	d Maple	Low	Variable	Variable	ground than aspen stands to north. Road and creek crossing to north of
	Quaking Aspen	84	Seedling	7 34	Bla	ck Cherry	Trace	Variable	Variable	the stand are low. Seeps common.
	Balsam Poplar	10	Seedling	6	Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Seedling	6	Ва	lsam Fir	Low	Variable	Variable	
81	4130	- Aspen	F	Poletimber Well	8.3	34	81-110	N/A		OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tal
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	5/27/16 Field notes: Becoming an aspen pole stand. Open areas,
	Quaking Aspen	90	Seedling	7 34	Re	d Maple	Low	Variable	Variable	especially to the south, with low aspen stocking and open-growing fir,
	Balsam Fir	10	Seedling	7	Ta	ag Alder	Low	Variable	Variable	spruce. Road is low, full of tag alder and standing water. Winter ground. Access road has one creek/tributary crossing to the west (stand
					Bla	ck Cherry	Low	Variable	Variable	29 w boundary), and one to south of this stand (stand 30). Each creek
					Ire	onwood	Low	Variable	Variable	is 3' wide at bank-full width, running full now.
					Ва	lsam Fir	Low	< 5 feet	< 5 feet	
82	4130	- Aspen		Sapling Well	40.7	4	Immature	N/A		Stand was harvested in 2020.OPIC - FMD: Aspen stand growing on a small ridge. Stand is healthy, with scattered white spruce and white
	Canopy Species	% Cover	Size Class	DBH Age						birch.5/25/16 Field notes: Overmature aspen, balsam fir, white
	Quaking Aspen	94	Log	1 4						spruce, paper birch starting to decline. Good birch component, good
	Red Maple	1	Log	1						sugar maple sapling regeneration in patches; converting to northern hardwood.
	Paper Birch	5	Log	1						nardwood.
							04.440	N/A		2015 - W32698 - installed gate, limed, mowed. It was decided only to
83	4130	- Aspen	F	Poletimber Well	25.1	36	81-110	11/73		
83	4130 Canopy Species	- Aspen % Cover	Size Class	Poletimber Well DBH Age		36 nopy Species		Avg. Height	Size	□ plant a portion of the trail to clover.2014 - W32698 - planted 25 red
83				DBH Age	Sub-Ca	nopy Species		•		plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and
83	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. OPIC - FMD: Cut under permit # 23-88-1. Aspen is 1-3"
83	Canopy Species Balsam Poplar	% Cover	Size Class Seedling	DBH Age	Sub-Ca Ba Sug	nopy Species	Density Low	Avg. Height Variable	Size Variable	plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and

- Stands Compartment: 51
Year of Entry: 2027

DNR

Stand	d Level 4 Co	over Type	!	Size De	nsity	Acres	Stand Age	D/ () (an igo	Managed Sit	е	General Comments
84	4130	- Aspen		Sapling	g Well	36.9	16	Immature	N/A		Pole stand in some areas but for the most part a sapling stand.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	(2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - installe gate, planted 50 crabapples, 5 apple trees,
	Bigtooth Aspen	50	Pole	4	16	Ва	alsam Fir	Low	Variable	Variable	10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking
	Balsam Fir	5	Sapling	6		Su	gar Maple	Trace	Variable	Variable	trail.OPIC - FMD: High volume high quality aspen stand. East part of
	Quaking Aspen	43	Pole	4	16						stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple
	Balsam Poplar	2	Pole	4							regeneration. Due to the proximity to another final harvest in the
											adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stanwest of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.
85	4112 - Maple, Beec			Sawtimb			108	111-140	N/A	Oi	Small island of hardwoods left as retention patch.
	Canopy Species	% Cover	Size Class	16	I Age		anopy Species		Avg. Height	Size Variable	
		10		10							
	Quaking Aspen				100		alsam Fir	Medium	Variable		
	Sugar Maple	50		10	108		gar Maple	Medium	< 5 feet	< 5 feet	
	Sugar Maple Red Maple	50 40		10		Su	gar Maple	Medium	< 5 feet		
86	Sugar Maple Red Maple 6128 - Lowland	50 40 Coniferous,		10 10 wtimber	r Mediu	Su					Trace amount of large white pine. Very wet stream originates from this stand. (2025)
86	Sugar Maple Red Maple 6128 - Lowland	50 40 Coniferous,	Mixed Sa	10 10 wtimber	Mediu	Sum 17.5	gar Maple 100 anopy Species	Medium	< 5 feet		
86	Sugar Maple Red Maple 6128 - Lowland O	50 40 Coniferous, iduous % Cover 25		10 10 wtimber DBH	r Mediu	Sum 17.5	gar Maple	Medium	< 5 feet	< 5 feet	
86	Sugar Maple Red Maple 6128 - Lowland O Deci Canopy Species Black Spruce Quaking Aspen	50 40 Coniferous, iduous % Cover 25 3		10 10 wtimber DBH 10 8	Mediu	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple	1-50 S Density High Medium	< 5 feet N/A Avg. Height Variable Variable	< 5 feet Size Variable Variable	
86	Sugar Maple Red Maple 6128 - Lowland Opeci Canopy Species Black Spruce	50 40 Coniferous, iduous Cover 25 3 20		10 10 wtimber DBH 10 8 8	Mediu	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir	1-50 S Density High	< 5 feet N/A Avg. Height Variable	< 5 feet Size Variable	
86	Sugar Maple Red Maple 6128 - Lowland Opecies Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch	50 40 Coniferous, iduous **Cover* 25 3 20 2		10 10 wtimber DBH 10 8 8 12	Mediu	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple	1-50 S Density High Medium	< 5 feet N/A Avg. Height Variable Variable	< 5 feet Size Variable Variable	
86	Sugar Maple Red Maple 6128 - Lowland C Deci Canopy Species Black Spruce Quaking Aspen Black Ash	50 40 Coniferous, iduous Cover 25 3 20		10 10 wtimber 10 8 8 12 10	Mediu	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple	1-50 S Density High Medium	< 5 feet N/A Avg. Height Variable Variable	< 5 feet Size Variable Variable	
	Sugar Maple Red Maple 6128 - Lowland Opecies Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch	50 40 Coniferous, iduous **Cover* 25 3 20 2		10 10 wtimber DBH 10 8 8 12	Mediu	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple	1-50 S Density High Medium	< 5 feet N/A Avg. Height Variable Variable	< 5 feet Size Variable Variable	
	Sugar Maple Red Maple 6128 - Lowland of Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45	Size Class	10 10 wtimber 10 8 8 12 10 10	Mediu I Age 100 100 100	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium	< 5 feet N/A Avg. Height Variable Variable	< 5 feet Size Variable Variable	Stand was harvested in 2021.OPIC - FMD: Nice 2-3 stick aspen with
No	Sugar Maple Red Maple 6128 - Lowland of Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar 4130 - Canopy Species	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45		10 10 wtimber 10 8 8 12 10 10 Sapling	1 Age 100	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium Medium	< 5 feet N/A Avg. Height Variable Variable 5 - 10 feet	< 5 feet Size Variable Variable	stand. (2025)
No	Sugar Maple Red Maple 6128 - Lowland of Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar 4130 Canopy Species White Spruce	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45 - Aspen % Cover	Size Class Size Class Log	10 10 wtimber 10 8 8 12 10 10 Sapling	Mediu I Age 100 100 g Well	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium Medium	< 5 feet N/A Avg. Height Variable Variable 5 - 10 feet	< 5 feet Size Variable Variable	Stand was harvested in 2021.OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.90-140 BA. Harvest now. Big patches of spruce fir. SBW. Overmature Fir,
No	Sugar Maple Red Maple 6128 - Lowland of Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar 4130 - Canopy Species White Spruce Quaking Aspen	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45 - Aspen % Cover 1 88	Size Class	10 10 wtimber 10 8 8 12 10 10 Sapling DBH	Mediu I Age 100 100 100	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium Medium	< 5 feet N/A Avg. Height Variable Variable 5 - 10 feet	< 5 feet Size Variable Variable	Stand was harvested in 2021.OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.90-140 BA. Harvest now. Big patches of spruce fir. SBW. Overmature Fir, spruce, and aspen falling out of stand. Can bump harvest line north into
No	Sugar Maple Red Maple 6128 - Lowland O Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar 4130 - Canopy Species White Spruce Quaking Aspen Balsam Poplar	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45 - Aspen % Cover	Size Class Size Class Log	10 10 wtimber 10 8 8 12 10 10 Sapling DBH 1	Mediu I Age 100 100 g Well	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium Medium	< 5 feet N/A Avg. Height Variable Variable 5 - 10 feet	< 5 feet Size Variable Variable	Stand was harvested in 2021.OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.90-140 BA. Harvest now. Big patches of spruce fir. SBW. Overmature Fir,
No	Sugar Maple Red Maple 6128 - Lowland of Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar 4130 - Canopy Species White Spruce Quaking Aspen Balsam Poplar Red Maple	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45 - Aspen % Cover 1 88 5 2	Size Class Size Class Log Log	10 10 wtimber 10 8 8 12 10 10 Sapling DBH 1 1	Mediu I Age 100 100 g Well	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium Medium	< 5 feet N/A Avg. Height Variable Variable 5 - 10 feet	< 5 feet Size Variable Variable	Stand was harvested in 2021.OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.90-140 BA. Harvest now. Big patches of spruce fir. SBW. Overmature Fir, spruce, and aspen falling out of stand. Can bump harvest line north into
No	Sugar Maple Red Maple 6128 - Lowland of Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar 4130 Canopy Species White Spruce Quaking Aspen Balsam Poplar Red Maple Sugar Maple	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45 - Aspen % Cover 1 88 5 2	Size Class Size Class Log Log Log	10 10 wtimber 10 8 8 12 10 10 Sapling DBH 1 1 1	Mediu I Age 100 100 g Well	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium Medium	< 5 feet N/A Avg. Height Variable Variable 5 - 10 feet	< 5 feet Size Variable Variable	Stand was harvested in 2021.OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.90-140 BA. Harvest now. Big patches of spruce fir. SBW. Overmature Fir, spruce, and aspen falling out of stand. Can bump harvest line north into
No	Sugar Maple Red Maple 6128 - Lowland of Deci Canopy Species Black Spruce Quaking Aspen Black Ash Paper Birch Red Maple orthern White Cedar 4130 - Canopy Species White Spruce Quaking Aspen Balsam Poplar Red Maple	50 40 Coniferous, iduous % Cover 25 3 20 2 5 45 - Aspen % Cover 1 88 5 2	Size Class Size Class Log Log Log Log	10 10 wtimber 10 8 8 12 10 10 Sapling DBH 1 1	Mediu I Age 100 100 g Well	Sub-Ca Ba Re	gar Maple 100 anopy Species alsam Fir ed Maple ag Alder	1-50 S Density High Medium Medium	< 5 feet N/A Avg. Height Variable Variable 5 - 10 feet	< 5 feet Size Variable Variable	Stand was harvested in 2021.OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.90-140 BA. Harvest now. Big patches of spruce fir. SBW. Overmature Fir, spruce, and aspen falling out of stand. Can bump harvest line north into



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	ite	General Comments
88	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimb	er Well	50.9	106	111-140	N/A		This stand was split with the east half being cut in 2020. Lower quality
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	stand on north side with more red maple.OPIC - FMD: Cut permit #15-97-01 "Twin Porkies Sale" (unit 1 - 3) by K&K. logging in 1998.
	Red Maple	30		13	106	Bla	ck Cherry	Low	>20 feet	>20 feet	Good quality stand in most areas but about 1/3 of stand is red maple
	White Spruce	1		9		Ва	alsam Fir	Low	Variable	Variable	and poorer quality, but still OK for hardwood management. Some are
	Sugar Maple	65		13	106	Wh	ite Spruce	Low	Variable	Variable	were left with a higher BA but most areas are 80-100 sq.ft. and no thinning is recommended at this time. Good regeneration in sugar ma
	Basswood	2		15		Bla	ck Cherry	Low	Variable	Variable	areas getting up to 6 feet tall. 2015: Stand could almost be split into
	Yellow Birch	1		14		In	onwood	Low	Variable	Variable	two different stands - south end contains higher ridge with very nice
No	rthern White Cedar	1		10		Suç	gar Maple	Low	< 5 feet	< 5 feet	sugar maple logs, with some basswood, ironwood, birch and cherry. Some maple regeneration starting. Leatherwood also present here.
						Lea	therwood	Low	< 5 feet	< 5 feet	North end (including Perrin Bros Road edge) transitions into slightly
						Suç	gar Maple	Medium	Variable	Variable	lower grounds with more mixed species; heavier fir/spruce componer some aspen, and lower quality maple. Ground cover changes to club
											moss, princess pine. Budworm evidence along road.
89	4130	- Aspen		Poletimb	er Well	9.5	40	111-140	N/A		Thin spot at the center of stand with cherry. BA is variable. ¬ (2025)OPIC - FMD: Stand is mostly well-stocked south. North and
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	NE part of stand sparse clumps of red maple and semi-open areas.
	Quaking Aspen	10		8	40	Bla	ck Cherry	Low	Variable	Variable	
	Balsam Fir	2	Seedling	8		Suç	gar Maple	Medium	Variable	Variable	
	Bigtooth Aspen	78		9	40	Ba	alsam Fir	Low	Variable	Variable	
	Paper Birch	3	Seedling	6		Re	ed Maple	Medium	Variable	Variable	
	Red Maple	5		9							
	Black Cherry	2	Seedling	6							
91	6128 - Lowland Dec	Coniferous ciduous	, Mixed F	Poletimbei	Mediun	n 73.9	105	51-80	N/A		Lots of dead balsam fir and very wet. Stream runs through this stand Cedar swale with slightly higher grounds of aspen/birch. Thick balsar
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	fir. Heavy rabbit sign. OPIC - FMD: Q6, smaller trees somewhat sparse in areas. More P type along road to the private land. Alder
	Black Spruce	25		8			alsam Fir	Medium	Variable	Variable	understory. Wetter soil. Stream originates in stand.
No	rthern White Cedar	40		11	105	Bals	am Poplar	Low	Variable	Variable	
	Black Ash	5	Seedling	8		Re	ed Maple	Medium	Variable	Variable	
	Balsam Poplar	5	Seedling	9		Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
	Paper Birch	15		9		Pa	per Birch	Low	Variable	Variable	
	Quaking Aspen	5		11		Suç	gar Maple	Low	Variable	Variable	
92	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimb	er Well	32.3	106	111-140	N/A		Thinned 1954, 1974. 1998 cut permit #15-97-01 "Twin Porkies Sale"
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	K&K logging. West part of stand has a higher BA - more of a pole stand. The east 2/3 of stand BA is 90 -110. Some regen in gaps east side 5
	Sugar Maple	63		13	106		alsam Fir	Low	Variable	Variable	20 ft high sugar maple. Not the best log quality here but OK. Some k
	Red Maple	30		13		Sug	gar Maple	Medium	>20 feet	>20 feet	forks etc. Some legacy maple, basswood.
	Basswood	5		15		•	gar Maple	Medium	Variable	Variable	
	Black Ash	2		10			onwood	Low	Variable	Variable	
93	6220 - A	lder/Willow	1	Nor	ne	21.3			No		Mostly dead standing cedar with tag alder underneath, few sparse liv cedars. (2025)



Stand	Level 4 C	over Type		Size Density	Acres S	Stand Age B	A Range	Managed Si	te	General Comments
94	4116 - Mixed N.	Hardwood	- Aspen	Poletimber Well	14.8	42	51-80	N/A		East half has more aspen. This was a seed tree cut with large sugar
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cand	opy Species	Density	Avg. Height	Size	maple and some basswood left. It's now a pole stand of mostly red and sugar maple with a decent amount of aspen. OPIC - FMD: Wildlife
	Sugar Maple	10		20 130	Bals	am Fir	Low	Variable	Variable	habitat cut 1983 - FTP W32-206. Scattered large bassswood and suga
	Quaking Aspen	20	Seedling	7	Suga	r Maple	Low	Variable	Variable	maple were left and are +14" . Regeneration is now 6" dbh well-stocke
	Red Maple	25	Sapling	6						mostly sugar maple, other hardwood, and aspen. Some sprout origin hardwoods but many single stems. Good potential on the stand. Could
	Sugar Maple	25	Sapling	6 42						be considered regeneration area for hardwood stand north. Some area
	Balsam Fir	5		9						F6 or A6 especially center. Some semi-open areas with cherry.
	Balsam Poplar	15	Seedling	7						Probably could be considered for thinning in 10 or 20 years.
95	4130	- Aspen		Poletimber Well	41.6	48	51-80	N/A		2015: Some decline in aspen noted. Thick maple regeneration (1-3"
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cand	opy Species	Density	Avg. Height	Size	dbh) doing well - manage for both A/M or let convert to M. Fringe of older aspen (10-12" dbh) along stand 28 boundary. Heavier S/F, in
	White Spruce	3		12	White	Spruce	Low	Variable	Variable	pockets. OPIC - FMD: Well-stocked 2-4 stick aspen. Fir under 10' tall
	Sugar Maple	3	Sapling	5	Hazeln	nut (Spp.)	Medium	< 5 feet	< 5 feet	medium stocked. South is more 4-stick, north is slightly smaller aspen.
	Balsam Fir	2	Sapling	5	Black	Cherry	Low	>20 feet	>20 feet	Raspberry ground cover. Cut in 1976 under permit #5/76A "Bob's Lak West".
	Balsam Poplar	5		8	Suga	r Maple	Medium	>20 feet	>20 feet	Wost .
	Ironwood	2	Seedling	5	Bals	am Fir	Medium	Variable	Variable	
	Quaking Aspen	85		7 48	Iron	wood	Medium	>20 feet	>20 feet	
96	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimber Well	5.4	100	111-140	N/A		Trace amount of BAM and white spruce in canopy. Basal area is
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cand	opy Species	Density	Avg. Height	Size	variable and ranges from, 70 to 180. Area along swamp has higher amount of red maple and basal areas.OPIC - FMD: Small stand, fair
	Quaking Aspen	10		11	Iron	wood	Low	Variable	Variable	quality, good potential. Need line work and possible stream crossing.
	Basswood	5		15	Suga	r Maple	Medium	Variable	Variable	Underplant hemlock for diversity by wildlife division after harvest. Summer logging restrictions if possible. Stand treated fall of 2009 by
	Red Maple	45		11 100	Red	Maple	Low	Variable	Variable	Triest under contract # 17-07-01 "Denn's Old Camp Hardwood". No
	Sugar Maple	40		11 106	Bals	am Fir	Low	Variable	Variable	underplanting ever completed.
					Quakir	ng Aspen	Trace	Variable	Variable	
97	4110 - Sugar N	Maple Assoc	ciation	Sawtimber Well	2.2	106	111-140	N/A		OPIC - FMD: Some basswood here but mostly sugar maple. Underpla
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cand	opy Species	Density	Avg. Height	Size	hemlock for diversity after harvest by wildlife division. Stand treated fall of 2009 by Triest under contract # 17-07-01 "Denn's Old Camp
	Red Maple	1		11	Wild Red	l Raspberry	Medium	< 5 feet	< 5 feet	Hardwood". 2015: No underplanting ever completed. Little new
	Sugar Maple	98		10 106	Bals	am Fir	Low	< 5 feet	< 5 feet	regeneration noted from cut; some sedge, grass, raspberry ground
	Basswood	1		16	Suga	r Maple	Medium	< 5 feet	< 5 feet	cover now.
98	4130	- Aspen		Poletimber Well	20.2	40	111-140	N/A		"North Branch Block" #027-83 - cut with adjacent compartment 56 ~
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cand	opy Species	Density	Avg. Height	Size	1985. Trace amount of fir present. Some pockets of stem breakage; hypoxylon present. Stand is transitioning from saplings to poles.
	Balsam Fir	2	Seedling	6	Bals	am Fir	Low	Variable	Variable	,, , , , , , , , , , , , , , , , , , ,
	Balsam Poplar	5	Seedling	6 40	White	Spruce	Low	Variable	Variable	
	Quaking Aspen	93	Seedling	7 40	Iron	lwood	Low	Variable	Variable	
		,			Suga	r Maple	Low	Variable	Variable	
100	3102	- Grass		None	3.9			Yes		Opening/Hunter Walking TrailW32-352: reseeded 8/1990 (3.1 acs).Cultivated and reseeded in 2018 and 2019, 2021, 2022.Mowed to maintain in 2023, 2024.



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	te	General Comments
101	4130	- Aspen		Sapling	Well	22.0	14	Immature	N/A		Trace amount of cherry and yellow birch. (2025)2015 - Planted
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red
(Quaking Aspen	40	Pole	4	14	Ta	amarack	Trace	Variable	Variable	oak, 4 mountain ash. Mowed hunter walking trail.OPIC - FMD: High
	Balsam Fir	5	Sapling	6		Sug	gar Maple	Trace	Variable	Variable	volume high quality aspen stand. East part of stand is almost pure
	Bigtooth Aspen	50	Pole	4	14	Blad	ck Spruce	Trace	Variable	Variable	aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximit
	Red Maple	5	Pole	3		Pa	per Birch	Low	Variable	Variable	to another final harvest in the adjacent compartment, harvesting plans
						Blad	ck Cherry	Low	Variable	Variable	will be modified to satisfy "green up" requirements for certification.
						Iro	onwood	Low	Variable	Variable	2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification
											(see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.

102	4130 -	Saplin	Sapling Well					
	Canopy Species	% Cover	Size Class	DBI	H Age			
	Balsam Poplar	2	Pole	4				
	Bigtooth Aspen	50	Pole	4	16			
	Balsam Fir	5	Sapling	6				
	Quaking Aspen	43	Pole	4	16			

30.4	16	Immature	N/A	A
Sub-Can	opy Species	Density	Avg. Height	Size
Bals	am Fir	Low	Variable	Variable
Suga	r Maple	Trace	Variable	Variable

Pole stand in some areas but for the most part a sapling stand. (2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples. 2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail.OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.

103	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	28.7	120	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Sugar Maple	90		11	120	Suga	ar Maple	Medium	Variable	Variable	
	Basswood	10		16		Suga	ar Maple	Low	>20 feet	>20 feet	
						Suga	ar Maple	Low	Variable	Variable	
						Eld	erberry	Low	5 - 10 feet	5 - 10 feet	
						Leatl	nerwood	Low	< 5 feet	< 5 feet	
						Wild Red	d Raspberry	Low	< 5 feet	< 5 feet	
						Iro	nwood	Low	Variable	Variable	

Nice flush of sugar maple seedlings. Observed gaps have ironwood and elderberry. No trace of hemlock planted in 2001. (2025)West Gems MWR sale cut in 2017. "North Branch Block" #24/76A - select cut 1977 (removing mostly elm) and "Bryan Creek Sale" #024-96 - select cut summer, 1999. Stain, forks, seams, cankers and breakage all noted. Trace fir, hemlock. Raspberry, burdock noted. FTP W32-590: Underplanted 7,900 hemlock 9/25/2001.

Compartment: 51 Year of Entry: 2027 DNR DNR

Stand	d Level 4 Cover Type			Size Density	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
104	6120 - Lo	wland Ceda	r	Poletimber Well	66.8	151	81-110	N/A	4	Spruce, tamarack overtopping cedar. Variable stocking levels.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	56		8 151	Ta	g Alder	High	10 - 20 feet	10 - 20 feet	
	Tamarack	20		9 117		lsam Fir	Medium	Variable	Variable	
	Black Spruce	15	Sapling	7 117	Blac	k Spruce	Low	Variable	Variable	
	Quaking Aspen	2		14	Та	marack	Low	Variable	Variable	
	Balsam Poplar	2		14						
	Paper Birch	5	Sapling	6						
105				Sapling Well	12.9	8	Immature	N/A	4	Harvested 2017: TS# 32-14-16. Aspen regeneration already 6'+ tall
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	summer after winter harvest.
	Quaking Aspen	94	Log	2 8	Ва	lsam Fir	Low	< 5 feet	< 5 feet	
	Paper Birch	1	Log	2						-
	Sugar Maple	2	Log	1						
	Black Cherry	3	Pole	4						
107	6120 - Lowland Cedar Pe		Poletimber Well	ell 1.4 118 51-80			N/A	4	OPIC - FMD: CK 2000Very wet with varying levels of marketability. To refer the most part too wet to harvest and low merchantability. Very	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Teor the most part too wet to narvest and low merchantability. Very variable BA and patchy. Trace amount of log sized white pine and pole
	Black Spruce	10	Seedling	7	Blac	k Spruce	Medium	Variable	Variable	sized birch and red maple.
	Tamarack	10	Seedling	8 118	Та	marack	Low	Variable	Variable	
No	rthern White Cedar	80	Sapling	6 118	WI	nite Pine	Trace	Variable	Variable	
					Ва	lsam Fir	Medium	Variable	Variable	
					Ta	g Alder	Medium	5 - 10 feet	5 - 10 feet	
108	310 - Herbac	eous Open	and	None	23.9			No)	Powerline R.O.W. and utility station (2024)
109	500 -	- Water		None	1.1			No)	water
112	4130	- Aspen		Poletimber Well	16.2	27 L	Inspecified	N/A	4	"Bryan Creek Sale" #024-96 (unit 1,2) - cut July, 1998. Some lowland
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen, tamarack along lower edges of stand. Some red maple saplings.
	Paper Birch	1	Sapling	5	Whi	e Spruce	Low	Variable	Variable	
	Quaking Aspen	94	Sapling	6 27	Ва	Isam Fir	Low	Variable	Variable	
	Balsam Fir	5	Sapling	6	Re	d Maple	Low	Variable	Variable	
113	4130	- Aspen		Poletimber Well	18.1	43	51-80	N/A	4	OPIC - FMD: Just transitioned to A6. 2-3 stick aspen over A3F1.
	Canopy Species	% Cover	Size Class	DBH Age						
	Quaking Aspen	100	Seedling	8 43						



Stand	l Level 4 Co	over Type		Size Density	Acres	Stand Age B	A Range	Managed Sit	te	General Comments	
114	4130	- Aspen		Sapling Well	3.6	12	mmature	N/A		Trace amount of super canopy white pine and canopy black cherry.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2025)OPIC - FMD: Nice aspen poles with fir and white spruce over dense fir regeneration along a narrow ridge. Stand also contains an	
	Quaking Aspen	90	Log	4 12	Wild Re	ed Raspberry	Medium	< 5 feet	< 5 feet	occasional red pine sawtimber tree. Retain the few large diameter	
	Balsam Fir	10	Sapling	6						spruce and all red pine. In addition, the western 300' of the stand will retained to protect the fishery of Bryan Creek. 2013- Stand harvested by Roy Nelson III under contract # 007-10-01.7/19/23: Updated to non OI cover type.	
115	330 - Low-[Density Tree	es	None	9.1			No		Cut in 1983 but did not regenerate well. This area was probably upland cedar and/or spruce. Area is filling in with sapling/pole sized aspen, BAM, pine, cherry, and fir. (2025)	
116	4110 - Sugar M	laple Assoc	iation S	Sawtimber Well	3.5	120	111-140	N/A		Trace white spruce, cedar and hemlock (2025)Island of hardwood	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	within aspen type. Thinned in 1977, and 1985 under permit #027-83	
	Sugar Maple	100		12 120	Sug	ar Maple	Low	< 5 feet	< 5 feet		
					Whit	te Spruce	Trace	Variable	Variable		
					Iro	nwood	Medium	Variable	Variable		
					Sug	ar Maple	Low	Variable	Variable		
117	6121 - 1	Tamarack	F	Poletimber Well	91.9	115	51-80	N/A		Small slightly higher hump on south end with some white pine and maple	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mixed in with tamarack and spruce. Latter area is about a 3/4 of an acre. Basal area is variable. Tamarack is falling out. Stand is very wet.	
	Black Spruce	15		8 115	Blac	k Spruce	Low	Variable	Variable	Trace amount of aspen/BAM (2025)	
No	orthern White Cedar	30		8 115	Ва	lsam Fir	Low	Variable	Variable		
	Red Maple	1		8	Ta	ıg Alder	High	5 - 10 feet	5 - 10 feet		
	Tamarack	52		12 115	Sug	ar Maple	Trace	Variable	Variable		
	Quaking Aspen	2		14	Re	d Maple	Low	Variable	Variable		
118								Variable	variable	<u>l</u>	
	4139 - Aspen, I	Mixed Decid	luous F	Poletimber Well	40.1	30	81-110	N/A	variable	Trace amount of elm, sugar maple, basswood in canopy. Northeast	
	4139 - Aspen, I		luous F Size Class	Poletimber Well		30	81-110 Density		Size	point has fair amount of cedar mixed in with BAM, maple, and aspen.	
	<u> </u>				Sub-Ca			N/A			
No	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca Whit	nopy Species	Density	N/A Avg. Height	Size	point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some	
No	Canopy Species White Spruce	% Cover	Size Class	DBH Age	Sub-Car Whit	nopy Species te Spruce	Density Low	N/A Avg. Height Variable	Size Variable	point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some patchy, open areas and lowland aspen. Aspen ~30 ft hts now. Trace	
No	Canopy Species White Spruce orthern White Cedar	% Cover 2 5	Size Class Seedling	DBH Age 6 14	Sub-Car Whit Iro Pap	nopy Species te Spruce pnwood	Density Low Low	N/A Avg. Height Variable Variable	Size Variable Variable	point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some patchy, open areas and lowland aspen. Aspen ~30 ft hts now. Trace	
No	Canopy Species White Spruce orthern White Cedar Quaking Aspen	% Cover 2 5 40	Size Class Seedling Seedling	DBH Age 6 14 7 30	Sub-Cal Whit Iro Pap Ame	nopy Species te Spruce pnwood per Birch	Low Low Low	N/A Avg. Height Variable Variable Variable	Size Variable Variable Variable	point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some patchy, open areas and lowland aspen. Aspen ~30 ft hts now. Trace	
No	Canopy Species White Spruce orthern White Cedar Quaking Aspen Black Cherry	% Cover 2 5 40 2	Size Class Seedling Seedling Sapling	DBH Age 6 14 7 30 6	Sub-Cal Whit Iro Pap Ame Sug	nopy Species te Spruce onwood per Birch erican Elm	Low Low Low Trace	N/A Avg. Height Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable	point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some patchy, open areas and lowland aspen. Aspen ~30 ft hts now. Trace	
No	Canopy Species White Spruce orthern White Cedar Quaking Aspen Black Cherry Red Maple	% Cover 2 5 40 2 4	Size Class Seedling Seedling Sapling Pole	DBH Age 6 14 7 30 6 4	Sub-Cal Whit Iro Pap Ame Sug	nopy Species te Spruce nwood per Birch srican Elm ar Maple	Low Low Low Trace Medium	N/A Avg. Height Variable Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable	point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some patchy, open areas and lowland aspen. Aspen ~30 ft hts now. Trace	
No	Canopy Species White Spruce orthern White Cedar Quaking Aspen Black Cherry Red Maple Balsam Poplar	% Cover 2 5 40 2 4 36	Size Class Seedling Seedling Sapling Pole Sapling	DBH Age 6 14 7 30 6 4 5 30	Sub-Cal Whit Iro Pap Ame Sug	nopy Species te Spruce onwood per Birch prican Elm tar Maple	Low Low Low Trace Medium Low	N/A Avg. Height Variable Variable Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable Variable	point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some patchy, open areas and lowland aspen. Aspen ~30 ft hts now. Trace	

Report 7 – Stands

Compartment: 51
Year of Entry: 2027

DNR
M/CHIGAN M

Stand	Level 4 Co	rel 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments						
119	42290 - Natu	ural Mixed P	ine	Sawtimbe	er Well	24.5	160	111-140	N/A		ERA: Landon Lake Pines Dry-mesic Northern Forest. 75% canopy
С	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	closure. Balsam fir and spruce breaking up. Trace amount of jack pine, aspen, BAM and tamarack. (2025)
	Red Maple	10		10		WI	hite Pine	Low	< 5 feet	< 5 feet	(4020)
	Paper Birch	5		8		WI	hite Pine	Low	Variable	Variable	
	Red Pine	15		20		Re	ed Maple	Low	Variable	Variable	
North	nern White Cedar	5		12		WI	hite Pine	Low	Variable	Variable	
Е	Black Spruce	15		8	70	Blac	ck Spruce	Low	>20 feet	>20 feet	
	White Pine	50		30	160	Ва	alsam Fir	Medium	Variable	Variable	
120	6127 - Lo	owland Pine		Sapling	Poor	12.2	20	Immature	N/A		Lots of stand dead older trees with healthy younger white pine and
С	Canopy Species	% Cover	Size Class	DBH	Age						cedar underneath. (2025)OPIC - FMD: Near Landon lake. Stand put into biodiversity stewardship to protect riparian and scenic values.
	White Pine	60	Pole	4	20						The block of the state of the block of the state of the s
North	nern White Cedar	40	Log	1							
	500 -	- Water		Non	ne	11.4			No		Landon Lake
121					-						
	4199 - Other Mixe	d Upland De	eciduous	Sawtimbe		29.5	70	81-110	N/A		Trace amount of jack pine (2025)
122	4199 - Other Mixed	•	eciduous Size Class			29.5	70		N/A Avg. Height	Size	Trace amount of jack pine (2025)
1 22		% Cover			er Well	29.5 Sub-Ca					Trace amount of jack pine (2025)
122	Canopy Species	% Cover	Size Class	DBH	er Well	29.5 Sub-Ca Ba	nopy Species	Density	Avg. Height	Size	Trace amount of jack pine (2025)
122 C	Canopy Species Red Maple	% Cover	Size Class Seedling	DBH	er Well	29.5 Sub-Ca Ba Re	nopy Species alsam Fir	Density Low	Avg. Height Variable	Size Variable	Trace amount of jack pine (2025)
122 C	Red Maple Paper Birch	% Cover 15 15	Size Class Seedling	DBH 8	er Well	29.5 Sub-Ca Ba Re	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable	Trace amount of jack pine (2025)
122 C	Canopy Species Red Maple Paper Birch Balsam Poplar	% Cover 15 15 23	Size Class Seedling	DBH 8 8 12	er Well	29.5 Sub-Ca Ba Re	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable	Trace amount of jack pine (2025)
122 C	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood	% Cover 15 15 23 2	Size Class Seedling Seedling	8 8 12 20	er Well	29.5 Sub-Ca Ba Re	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable	Trace amount of jack pine (2025)
DE North	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood Black Cherry	% Cover 15 15 23 2 2	Size Class Seedling Seedling	8 8 12 20 7	er Well	29.5 Sub-Ca Ba Re	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable	Trace amount of jack pine (2025)
122 C B B North	Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar	% Cover 15 15 23 2 2 5	Size Class Seedling Seedling Seedling	8 8 12 20 7 12	er Well	29.5 Sub-Ca Ba Re	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable	Trace amount of jack pine (2025)
B E North	Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar White Spruce	% Cover 15 15 23 2 2 5 2	Size Class Seedling Seedling Seedling	8 8 12 20 7 12 7	Age 70	29.5 Sub-Ca Ba Re	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable	Trace amount of jack pine (2025)
B E North	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar White Spruce	% Cover 15 15 23 2 2 5 2 2 6	Size Class Seedling Seedling Seedling	DBH 8 8 12 20 7 12 7 14	Age 70	29.5 Sub-Ca Ba Re	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable	Trace amount of jack pine (2025)
B E North	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar White Spruce Quaking Aspen White Pine Sugar Maple	% Cover 15 15 23 2 2 5 2 26 5	Size Class Seedling Seedling Seedling Seedling Seedling	DBH 8 8 8 12 20 7 12 7 14 25	er Well Age 70 70	29.5 Sub-Ca Ba Re Whi	nopy Species alsam Fir ed Maple	Density Low Low	Avg. Height Variable Variable	Size Variable Variable Variable	Stream runs through this stand north of lake and south of old landing.
122 C B B North V Q	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar White Spruce Quaking Aspen White Pine Sugar Maple	% Cover 15 15 23 2 2 5 2 5 2 6 5 5 ack Spruce	Size Class Seedling Seedling Seedling Seedling Seedling	DBH 8 8 12 20 7 12 7 14 25 8 oletimber	er Well Age 70 70	29.5 Sub-Ca Ba Re Whi	alsam Fir ed Maple itte Spruce	Density Low Low Low 81-110	Avg. Height Variable Variable Variable	Size Variable Variable Variable	
122 C B B North V Q	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood Black Cherry nern White Cedar White Spruce Quaking Aspen White Pine Sugar Maple	% Cover 15 15 23 2 2 5 2 5 2 6 5 5 ack Spruce	Size Class Seedling Seedling Seedling Seedling	DBH 8 8 12 20 7 12 7 14 25 8 oletimber	er Well Age 70 70 Medium	29.5 Sub-Ca Ba Re Whit	inopy Species alsam Fir ad Maple ite Spruce	Density Low Low Low 81-110	Avg. Height Variable Variable Variable N/A	Size Variable Variable Variable	Stream runs through this stand north of lake and south of old landing.
122 C B B North V Q	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar White Spruce Quaking Aspen White Pine Sugar Maple 6122 - Bla Canopy Species	% Cover 15 15 23 2 2 5 2 5 2 6 5 5 6 6 6 6 6 6 6 6 6 6 6	Size Class Seedling Seedling Seedling Seedling	DBH 8 8 12 20 7 12 7 14 25 8 oletimber DBH	er Well Age 70 70 Medium	29.5 Sub-Ca Ba Re Whit	inopy Species alsam Fir ad Maple ite Spruce 71 inopy Species	Density Low Low Low Density	Avg. Height Variable Variable Variable Variable Variable	Size Variable Variable Variable	Stream runs through this stand north of lake and south of old landing.
B E North V Q 123 C North	Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar White Spruce Buaking Aspen White Pine Sugar Maple 6122 - Black Canopy Species Paper Birch	% Cover	Size Class Seedling Seedling Seedling Seedling	DBH 8 8 12 20 7 12 7 14 25 8 oletimber DBH 12	er Well Age 70 70 Medium	29.5 Sub-Ca Ba Re Whith 1 52.4 Sub-Ca Re Blace	rinopy Species alsam Fir ad Maple ite Spruce 71 rinopy Species ad Maple	Density Low Low Low B1-110 Density Low	Avg. Height Variable Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable	Stream runs through this stand north of lake and south of old landing.
B E North V Q 123 C North	Canopy Species Red Maple Paper Birch Balsam Poplar Basswood Black Cherry hern White Cedar White Spruce Quaking Aspen White Pine Sugar Maple Canopy Species Paper Birch hern White Cedar	% Cover	Size Class Seedling Seedling Seedling Seedling	DBH 8 8 12 20 7 12 7 14 25 8 coletimber DBH 12 11	er Well Age 70 70 Medium	29.5 Sub-Ca Ba Re Whith 1 52.4 Sub-Ca Re Blace	rinopy Species alsam Fir ad Maple alte Spruce 71 rinopy Species ad Maple ck Spruce	Density Low Low Low 81-110 Density Low Low	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable Variable	Size Variable Variable Variable Variable Variable	Stream runs through this stand north of lake and south of old landing.

Tamarack

20

Seedling

Compartment: 51 Year of Entry: 2027



Stand	Level 4 C	over Type		Size Density	Acres S	tand Age B	A Range	Managed S	ite	General Comments
124	429 - Mixed	Upland Cor	ifers Po	oletimber Medium	n 40.6	90	1-50	N/A		Very thin canopy due to spruce budworm. Red maple saplings making
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cano	py Species	Density	Avg. Height	Size	their way into canopy. This stand is a mottled in species composition and slight elevation changes. I did not find the stream going out of Landon
	Paper Birch	20	Seedling	8	Balsa	am Fir	Low	Variable	Variable	Lake but there are reports that it connects to Chandlers Brooke.
	Red Maple	10		12	Sugar	Maple	Low	Variable	Variable	(2025)OPIC - FMD: Scattered big black spruce over thick fir understory 10-15' tall all upland. Center higher ground mostly big red
	Black Spruce	25	Seedling	8 90	Red I	Maple	High	Variable	Variable	maple and w. pine poorly stocked over thick fir. A few w. birch. Fir
	Balsam Fir	20	Seedling	8						dieoff in 1980's spruce budworm. Hazel thick. Moose sign everywhere
	White Pine	20		30 160						from last fall and winter (2004-05). This stand part of core biodiversity
	White Spruce 5 15			15						stewardship area protecting riparian and wild values around Landon Lake. 2015: Not visited due to time constraints. Previous inventory
125	4119 - Mixed No	orthern Har	dwoods	Sawtimber Well	10.7	120	111-140	N/A	.	very reliable. This was partially cut in the late 50s. Large legacy trees present. Cored 29.1/2 inch white pine but had to estimate legacy trees present.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cano	py Species	Density	Avg. Height	Size	38 1/2-inch white pine but had to estimate last bit of core. Approx 160 years old.
	Sugar Maple	13	Seedling	9	Balsa	am Fir	Low	Variable	Variable	,
No	rthern White Cedar	5		12	White	Spruce	Low	Variable	Variable	
	Balsam Poplar	10		12 70	Red I	Maple	Low	Variable	Variable	
	White Pine	15		30 160	Sugar	Maple	Medium	Variable	Variable	
	Sugar Maple	10		25	Ironv	wood	Low	Variable	Variable	
	Black Cherry	2	Seedling	7						
	Paper Birch	5	Seedling	8						
	Basswood	25		25 120						
	Quaking Aspen	5		14						
	Red Maple	10		9						
126	6120 - Lo	wland Ceda	ar	Sawtimber Well	112.3	100	111-140	N/A		OPIC - FMD: Big cedar towards upland, smaller in toward drainage. — Cedar mostly wide spaced. W. birch, Balsam poplar, spruce scattered
	Canopy Species	% Cover	Size Class	DBH Age		py Species	Density	Avg. Height	Size	throughout. Some lower BA areas with alder. Some of stand is P type
	Black Spruce	10	Sapling	7		am Fir	Low	Variable	Variable	(w.birch) overall C9. Best cedar within 3 chains of hardwood edge.
	Paper Birch	2		8		Alder	Medium	5 - 10 feet	5 - 10 feet	Biodiversity stewardship to protect riparian value of Chandler Brook.
	Red Maple	2		10	Black	Spruce	Low	Variable	Variable	
No	rthern White Cedar	76		12 100						
	Black Ash	2	Seedling	6						
	Tamarack	5	Seedling	7						
	Balsam Poplar	3		11						
127	6120 - Lo	wland Ceda	ar Sa	awtimber Medium	n 88.8	128	81-110	N/A		Stand is wet and patchy. Tamarack falling apart. Trace amount of aspen. (2025)Large diameter cedar with paper birch component;
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cano	py Species	Density	Avg. Height	Size	scattered spruce, tamarack. Understory mainly balsam fir. Fringes with
	Balsam Poplar	5		11	Sugar	Maple	Trace	Variable	Variable	higher component of birch, balsam poplar, fir. Contains drainage/creek
	White Spruce	2		12		r Birch	Low	Variable	Variable	through center of stand.
	Black Spruce	10		10	Red I	Maple	Low	Variable	Variable	

Medium

High

Variable

5 - 10 feet

60

12

10

12 128

8

12

8

Seedling

Balsam Fir

Tag Alder

Northern White Cedar

Paper Birch

Tamarack Red Maple Variable

5 - 10 feet



Stand	28 3102 - Grass			Size De	ensity	у	Acres Stand Age	BA Range	Managed S	ite	General Comments
128			3102 - Grass None			2.9	Yes			W32-347: seeded 9/1988 - completion report states site was not diske due to too many rocks. (clover, alfalfa, alsike, trefoil, timothy, rye, o. grass).Cultivated and reseeded in 2018 and 2019, 2021, 2022.Mowed to maintain in 2023.	
130	6239 - Mixed En	nergent W	etland	Noi	ne		9.3		No		
131	1 4110 - Sugar Maple Association		ciation Sawtimber We		Sawtimber Well		67.6 106	111-140	N/A		Basal areas ranging from 60 to 140. Areas with lower basal area have
-	Canopy Species % Cover Siz		er Size Class DE		DBH Age		Sub-Canopy Species	cies Density	Avg. Height	Size	good maple regeneration. Trace amount of white pine and quaking aspen. (2025)Not all of stand is in need of treatment. Better sugar
	Red Maple	2		8			Leatherwood	Medium	< 5 feet	< 5 feet	maple regeneration in areas with lower residual (60-70 BA) stocking
	Basswood	20		16			Sugar Maple	High	Variable	Variable	level (more birch, aspen removed?) - more within middle of stand, which
	Paper Birch	5		12			White Spruce	Low	Variable	Variable	could be excluded. Higher BA areas still contains regeneration, just not as thick. If treat, look at also treating adjacent pre-inventory stand 56
	Sugar Maple	73		10	100	6	Ironwood	Low	Variable	Variable	where feasible. May wish to contract out. Select cut Dec, 1998 - Jan,
							Sugar Maple	Medium	< 5 feet	< 5 feet	1999 under permit #025-96 "Prudom's Camp Sale". Trace amount of
							Balsam Fir	Low	Variable	Variable	fir, spruce and ironwood pole/saplings within. Maple with black stain,
	0400		Mind D	1.4							cankers, cavities, forks; fair amount of wildlife snags. Ground cover of raspberry, club moss noted.
132		duous		oletimbe			19.5 128	51-80	N/A		
	Decides Canopy Species	duous % Cover	Mixed Po	DBH	r Med		19.5 128 Sub-Canopy Species	51-80 Density	N/A	Size	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
- 1	Decides Canopy Species Tamarack	% Cover	Size Class	DB I-			19.5 128 Sub-Canopy Species Red Maple	51-80 Density Low	N/A Avg. Height Variable	Size Variable	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
- 1	Canopy Species Tamarack Black Spruce	% Cover 15 15	Size Class Seedling	DBF 10 8			19.5 128 Sub-Canopy Species Red Maple Tag Alder	51-80 Density Low High	N/A Avg. Height Variable 5 - 10 feet	Size Variable 5 - 10 feet	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
- 1	Canopy Species Tamarack Black Spruce Balsam Fir	## Cover 15 15 5 5	Size Class Seedling Seedling	DBH 10 8 6			19.5 128 Sub-Canopy Species Red Maple	51-80 Density Low	N/A Avg. Height Variable	Size Variable	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple	**Cover 15 15 5 5	Size Class Seedling	DBH 10 8 6 6	H Ag	е	19.5 128 Sub-Canopy Species Red Maple Tag Alder	51-80 Density Low High	N/A Avg. Height Variable 5 - 10 feet	Size Variable 5 - 10 feet	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar	% Cover	Size Class Seedling Seedling Seedling	DBH 10 8 6 6 14	H Ag	е	19.5 128 Sub-Canopy Species Red Maple Tag Alder	51-80 Density Low High	N/A Avg. Height Variable 5 - 10 feet	Size Variable 5 - 10 feet	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
Nort	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch	% Cover 15 15 5 40 10	Size Class Seedling Seedling	DBH 10 8 6 6 14 6	H Ag	е	19.5 128 Sub-Canopy Species Red Maple Tag Alder	51-80 Density Low High	N/A Avg. Height Variable 5 - 10 feet	Size Variable 5 - 10 feet	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
Nort	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch White Spruce	% Cover	Seedling Seedling Seedling Seedling	DBH 10 8 6 6 14 6 12	H Ag	е	19.5 128 Sub-Canopy Species Red Maple Tag Alder	51-80 Density Low High	N/A Avg. Height Variable 5 - 10 feet	Size Variable 5 - 10 feet	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
Nort	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch	% Cover 15 15 5 40 10	Size Class Seedling Seedling Seedling	DBH 10 8 6 6 14 6	H Ag	е	19.5 128 Sub-Canopy Species Red Maple Tag Alder	51-80 Density Low High	N/A Avg. Height Variable 5 - 10 feet	Size Variable 5 - 10 feet	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the
Nort	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch White Spruce Balsam Poplar	% Cover	Size Class Seedling Seedling Seedling Seedling Seedling	DBH 10 8 6 6 14 6 12	128	8	19.5 128 Sub-Canopy Species Red Maple Tag Alder	51-80 Density Low High	N/A Avg. Height Variable 5 - 10 feet	Size Variable 5 - 10 feet Variable	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the east side to lower ground. (2025) 2015 - Planted 50 highbush cranberries, 50 nannyberry, 100 beaked
Nort	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch White Spruce Balsam Poplar	% Cover	Size Class Seedling Seedling Seedling Seedling	DBH 10 8 6 6 14 6 12 6	128	8 8 /ell	19.5 128 Sub-Canopy Species Red Maple Tag Alder Balsam Fir	51-80 Density Low High Low	N/A Avg. Height Variable 5 - 10 feet Variable	Size Variable 5 - 10 feet Variable	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the east side to lower ground. (2025) 2015 - Planted 50 highbush cranberries, 50 nannyberry, 100 beaked hazelnut, and 5 mountain ash. Established "Narrow Bridge NE" Hunter
Nort	Decide Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch White Spruce Balsam Poplar 4130 -	% Cover	Size Class Seedling Seedling Seedling Seedling	DBH 10 8 6 6 14 6 12 6	128	8 8 /ell	19.5 128 Sub-Canopy Species Red Maple Tag Alder Balsam Fir	51-80 Density Low High Low	N/A Avg. Height Variable 5 - 10 feet Variable	Size Variable 5 - 10 feet Variable	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the east side to lower ground. (2025) 2015 - Planted 50 highbush cranberries, 50 nannyberry, 100 beaked hazelnut, and 5 mountain ash. Established "Narrow Bridge NE" Hunter Walking Trail. "Bryan Creek Sale" (units 3,5,6) - cut July, 1998 and August, 1999. 2017 - Hunter walking trail through stand 133 and 112
Nort	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch White Spruce Balsam Poplar 4130 -	% Cover 15 15 5 40 10 1 9 Aspen % Cover	Size Class Seedling Seedling Seedling Seedling	DBH 10 8 6 6 14 6 12 6 Poletimb	120 120 120 14 Ag	8 8 /ell	19.5 128 Sub-Canopy Species Red Maple Tag Alder Balsam Fir 47.8 27 Sub-Canopy Species	51-80 Density Low High Low 1-50 Density	N/A Avg. Height Variable 5 - 10 feet Variable N/A Avg. Height	Size Variable 5 - 10 feet Variable Size Variable Variable	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the east side to lower ground. (2025) 2015 - Planted 50 highbush cranberries, 50 nannyberry, 100 beaked hazelnut, and 5 mountain ash. Established "Narrow Bridge NE" Hunter Walking Trail. "Bryan Creek Sale" (units 3,5,6) - cut July, 1998 and August, 1999. 2017 - Hunter walking trail through stand 133 and 112 renamed "RGS Route." Trees planted in 2015 were checked and any
Nort	Canopy Species Tamarack Black Spruce Balsam Fir Red Maple rthern White Cedar Paper Birch White Spruce Balsam Poplar 4130 - Canopy Species rthern White Cedar	% Cover	Size Class Seedling Seedling Seedling Seedling	DBH 10 8 6 6 14 6 12 6 Poletimb	128	8 8 /ell	19.5 128 Sub-Canopy Species Red Maple Tag Alder Balsam Fir 47.8 27 Sub-Canopy Species Balsam Fir	51-80 Density Low High Low 1-50 Density Low	N/A Avg. Height Variable 5 - 10 feet Variable N/A Avg. Height Variable	Size Variable 5 - 10 feet Variable Size Variable	raspberry, club moss noted. Variable basal area. This stand transitions from higher ground on the east side to lower ground. (2025) 2015 - Planted 50 highbush cranberries, 50 nannyberry, 100 beaked hazelnut, and 5 mountain ash. Established "Narrow Bridge NE" Hunter Walking Trail. "Bryan Creek Sale" (units 3,5,6) - cut July, 1998 and August, 1999. 2017 - Hunter walking trail through stand 133 and 112

Trace

Variable

Variable

Ironwood

Balsam Fir

Black Cherry

Seedling

Pole

6

4

5

2



Stand	Level 4 Co	over Type		Size Dens	sity	Acres S	Stand Age E	BA Range	Managed S	ite	General Comments
134	4112 - Maple, Beed	ch, Cherry A	ssociation	Poletimber	Well	22.4	72	51-80	N/A		Good sugar maple regeneration (2025)"Bryan Creek Sale" #024-96
	Canopy Species	% Cover	Size Class	DBH /	Age	Sub-Cano	py Species	Density	Avg. Height	Size	(unit 4) - select cut in August, 1998. Stand is slowly being converted from birch type towards northern hardwoods. Stand is heavier to paper
	Sugar Maple	74		9	72	Hazelnut	t (Beaked)	Medium	< 5 feet	< 5 feet	birch (40-50 BA average) with some maple. Some nice maple stems
	Paper Birch	15		11	72	Sugar	r Maple	High	< 5 feet	< 5 feet	noted, but quality issues (forks, seams, cankers) still present.
	Red Maple	10		9		Wild Red	Raspberry	Low	< 5 feet	< 5 feet	Regeneration is mainly maple, with a few pockets of fir regeneration. Rolling hills.
	Basswood	1		12		Red	Maple	Low	Variable	Variable	
						Balsa	am Fir	Low	Variable	Variable	
						Sugar	r Maple	Low	Variable	Variable	
						Iron	wood	Low	Variable	Variable	
135	6129 - Mixed Conif	erous Lowla	and Forest	Sawtimber	Well	65.1	162	111-140	N/A		Good mix of cedar, tamarack and black spruce. A few small pockets of
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Cano	py Species	Density	Avg. Height	Size	almost pure cedar and tamarack. Some higher pockets, but area is minimal. BA variable ranging from 200+ to 70. Tamarack breaking up.
	Red Maple	2		8		Red	Maple	Low	Variable	Variable	Vary wet. (2025)
	Balsam Poplar	5	Seedling	8		Balsa	am Fir	Medium	Variable	Variable	
No	orthern White Cedar	47		12	162	Black	Spruce	Low	Variable	Variable	
	Black Spruce	20		10		Tag	Alder	Medium	10 - 20 feet	10 - 20 feet	
	Tamarack	20		12							_
	Quaking Aspen	1		15							
	Paper Birch	5	Seedling	8							
136	6239 - Mixed E		etland	None		17.8			No		
136	0239 - Mixed L	mergent vve	ollaria	None		17.0			NO		
		Density Tree		None		1.5			No		Small natural opening within hardwood stand. Milkweed, raspberry
136						1.5	ppy Species	Density			Small natural opening within hardwood stand. Milkweed, raspberry noted.
						1.5 Sub-Cano	ppy Species y/Raspberry	Density High	No		
		Density Tree	es			1.5 Sub-Cano			No Avg. Height	Size 5 - 10 feet	noted. Cut in 2020 under 32-019-18. North side has a prevalent sugar maple
137	330 - Low-l	Density Tree	es	None Sawtimber	Well	1.5 Sub-Cano Blackberry 47.5	y/Raspberry	High 81-110	No Avg. Height 5 - 10 feet	Size 5 - 10 feet	Out in 2020 under 32-019-18. North side has a prevalent sugar maple seedlings. (2025) OPIC - FMD: FDF, CUT PRMT.# 10-99-01.
137	330 - Low-l 4110 - Sugar N	Density Tree	es	None Sawtimber DBH 7	Well	1.5 Sub-Cano Blackberry 47.5 Sub-Cano	y/Raspberry 120	High 81-110	No Avg. Height 5 - 10 feet N/A	Size 5 - 10 feet	noted. Cut in 2020 under 32-019-18. North side has a prevalent sugar maple
137	330 - Low-l	Density Tree Maple Assoc **Cover	es	None Sawtimber	Well	1.5 Sub-Cano Blackberry 47.5 Sub-Cano	//Raspberry 120 ppy Species	High 81-110 Density	No Avg. Height 5 - 10 feet N/A Avg. Height	Size 5 - 10 feet Size	Out in 2020 under 32-019-18. North side has a prevalent sugar maple seedlings. (2025) OPIC - FMD: FDF, CUT PRMT.# 10-99-01.
137	330 - Low-l 4110 - Sugar N Canopy Species Sugar Maple	Density Tree Maple Assoc **Cover* 80	es	None Sawtimber DBH 7	Well	1.5 Sub-Cano Blackberry 47.5 Sub-Cano Sugar Balsa	y/Raspberry 120 ppy Species r Maple	High 81-110 Density Low	No Avg. Height 5 - 10 feet N/A Avg. Height >20 feet	Size 5 - 10 feet Size >20 feet	Out in 2020 under 32-019-18. North side has a prevalent sugar maple seedlings. (2025) OPIC - FMD: FDF, CUT PRMT.# 10-99-01.
137	330 - Low-l 4110 - Sugar N Canopy Species Sugar Maple	Density Tree Maple Assoc **Cover* 80	es	None Sawtimber DBH 7	Well	1.5 Sub-Cano Blackberry 47.5 Sub-Cano Sugar Balsa White	120 ppy Species r Maple am Fir	High 81-110 Density Low Low	No Avg. Height 5 - 10 feet N/A Avg. Height >20 feet Variable	Size 5 - 10 feet Size >20 feet Variable	Out in 2020 under 32-019-18. North side has a prevalent sugar maple seedlings. (2025) OPIC - FMD: FDF, CUT PRMT.# 10-99-01.
137	330 - Low-l 4110 - Sugar N Canopy Species Sugar Maple	Density Tree Maple Assoc **Cover* 80	es	None Sawtimber DBH 7	Well	1.5 Sub-Cano Blackberry 47.5 Sub-Cano Sugar Balsa White White	120 ppy Species r Maple am Fir Spruce	High 81-110 Density Low Low Low	No Avg. Height 5 - 10 feet N/A Avg. Height >20 feet Variable Variable	Size 5 - 10 feet Size >20 feet Variable Variable	Out in 2020 under 32-019-18. North side has a prevalent sugar maple seedlings. (2025) OPIC - FMD: FDF, CUT PRMT.# 10-99-01.
137	330 - Low-l 4110 - Sugar N Canopy Species Sugar Maple	Density Tree Maple Assoc **Cover* 80	es	None Sawtimber DBH 7	Well	1.5 Sub-Cano Blackberry 47.5 Sub-Cano Sugar Balsa White White Balsa	120 ppy Species r Maple am Fir Spruce Spruce	High 81-110 Density Low Low Low Low Low	No Avg. Height 5 - 10 feet N/A Avg. Height >20 feet Variable Variable >20 feet	Size 5 - 10 feet Size >20 feet Variable Variable >20 feet	Out in 2020 under 32-019-18. North side has a prevalent sugar maple seedlings. (2025) OPIC - FMD: FDF, CUT PRMT.# 10-99-01.
137	330 - Low-l 4110 - Sugar N Canopy Species Sugar Maple	Density Tree Maple Assoc **Cover* 80	es	None Sawtimber DBH 7	Well	1.5 Sub-Cano Blackberry 47.5 Sub-Cano Sugar Balsa White White Balsa	120 ppy Species r Maple am Fir Spruce Spruce am Fir	High 81-110 Density Low Low Low Low Low Low Low	No Avg. Height 5 - 10 feet N/A Avg. Height >20 feet Variable Variable >20 feet Variable	Size 5 - 10 feet Size >20 feet Variable Variable >20 feet Variable	Out in 2020 under 32-019-18. North side has a prevalent sugar maple seedlings. (2025) OPIC - FMD: FDF, CUT PRMT.# 10-99-01.

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Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	BA Range	Managed S	ite	General Comments
139	4130) - Aspen		Poletimb	er Well	34.5	32	111-140	N/A		Higher and lower areas present. Lower areas have smaller diameter and are a mix of tamarack, aspen and BAM. (2025)
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and are a mix of tamarack, aspen and BANI. (2023)
	Balsam Poplar	20	Sapling	6		Pa	per Birch	Low	Variable	Variable	
	Tamarack	10	Sapling	7		Re	ed Maple	Low	Variable	Variable	
	Quaking Aspen	60	Seedling	7	32	Iro	onwood	Low	Variable	Variable	
	Balsam Fir	3	Seedling	6		Ва	ılsam Fir	Medium	Variable	Variable	
	White Spruce	2	Seedling	6		Bla	ck Cherry	Low	Variable	Variable	
	Sugar Maple	5	Seedling	7							
140	330 - Low	-Density Tre	ees	No	ne	3.7			Yes		
141	4110 - Sugar	Maple Asso	ciation S	awtimbe	r Mediun	n 7.1	110	81-110	N/A		0000 01
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2009-Stand treated under contract # 008-09-01 by Gartland.Moderate quality northern hardwood with upland cedar,
	Sugar Maple	85		10	110	Ва	ılsam Fir	Medium	Variable	Variable	basswood and red maple. Sparse hemlock and yellow birch along the
No	rthern White Cedar	5		11		Iro	onwood	Medium	Variable	Variable	transition zone. Northern white cedar has wind damage, tip-ups, and
	Basswood	10		14		Sug	gar Maple	Low	< 5 feet	< 5 feet	high mortality which must have occurred after last harvest in 2009 (per previous inventory notes).
142	6121 -	Tamarack		Poletimb	er Poor	9.6	71	1-50	N/A		Very wet and breaking up. (2025)
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	1	Seedling	6		Ва	ılsam Fir	Low	Variable	Variable	
	Black Spruce	20	Seedling	8		Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	5		10							
	Quaking Aspen	2	Seedling	8							
	Black Cherry	1	Seedling	6							
	Tamarack	71		9	71						
43	4130) - Aspen		Sapling		31.1	7	Immature	N/A		¬ Cut in 2018. Trace amount of super canopy white pine and cedar.
	Canopy Species	% Cover			l Age		nopy Species		Avg. Height	Size	(2025)
	Balsam Fir	2	Log	3		Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	96	Log	1	7						
	Black Cherry	2	Log	1							
144	3102	2 - Grass		No	ne	1.0			No		
145	4110 - Sugar			Sawtimb		5.7	100	51-80	N/A		Thick fir understory. A few ages present but minor. Also, small gravel present in middle of stand. (2025)OPIC - FMD: CUT WITH COMPT
	Canopy Species	% Cover	Size Class	DBH	l Age		nopy Species	Density	Avg. Height	Size	51 STAND 12 UNDER PERMIT #011-98-01Low-moderate quality
	Paper Birch	2	Seedling	8		Northern	n White Cedar	Trace	Variable	Variable	northern hardwood stand, average BA 80. Can be combined with
	Basswood	25		10		Iro	onwood	Low	Variable	Variable	hardwood stand to the north. More spruce component on south and east side.
	Sugar Maple	68		9	100	Ва	ılsam Fir	High	Variable	Variable	Casi Siuc.
				10							

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Quaking Aspen

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Stand	Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		OIZE DE	ite	General Comments					
146	4130	- Aspen	F	Poletimbe	er Well	12.5	37	81-110	N/A	١	OPIC - FMD: well-stocked 4" dbh. Fir understory in areas 4-6' tall but
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	opy Species	Density	Avg. Height	Size	some larger. Cut in 1988 under permit #010-97-1 "Perrin Brothers Island Sale" (unit 1). 2015: Some uprooting noted and dieback. Grou
	Paper Birch	1	Seedling	6			r Maple	High	>20 feet	>20 feet	cover of raspberry, hazel and bracken fern all present. Nice sugar
(Quaking Aspen	95	Seedling	8	37	Balsa	am Fir	Medium	Variable	Variable	maple in understory. Small vernal area within north tip of stand - sma
	Black Cherry	1	Seedling	6		Red	Maple	High	Variable	Variable	aspen here as well.
	Red Maple	1	Seedling	6						1	1
	Balsam Fir	2	Seedling	8							
147	4110 - Sugar N	Maple Assoc	ciation S	Sawtimbe	r Well	10.2	106	81-110	N/A	١	OPIC - FMD: Thinned for 2nd time Jan,1998 Tri-Forestry permit #16-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	7 01 "Perrin Camp Sale" (unit 8). Good quality stand except no regeneration. Steep slope down to wetland riparian area next to
	Paper Birch	5		12		Balsan	n Poplar	Low	5 - 10 feet	5 - 10 feet	chandler brook uncut about 3 acres total. Part of stand is M6 but mos
Nor	thern White Cedar	1		12		Balsa	am Fir	Low	< 5 feet	< 5 feet	stand is M9 now. Some upland cedar. Most of stand is sugar maple b
	Balsam Fir	2		7		White	Spruce	Low	< 5 feet	< 5 feet	other hardwoods are basswood, red maple, white birch, yellow birch, and black cherry. 2015; Still little maple regeneration; on NW facing
	Basswood	5		14		Iron	wood	Medium	10 - 20 feet	10 - 20 feet	slope there is 5-10' seedlings established, though. Borer damage and
	Black Cherry	5		14		Hazelnut	t (Beaked)	Low	< 5 feet	< 5 feet	canker defects still within stand.
										4 F f h	
	White Spruce	2		14		Sugar	r Maple	Medium	< 5 feet	< 5 feet	
	White Spruce Sugar Maple	80		14	106	Sugar	r Maple	Medium	< 5 feet	< 5 Teet	
148	Sugar Maple 4191 - Mixed Upla	80	ous with Po	10 letimber	Medium	n 19.7	106	Medium 51-80	N/A	_	OPIC - FMD: This stand was heavy to balsam fir which mostly died about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north to but good regeneration of bardwoods 5.10' tall sugar and red maple in
	Sugar Maple 4191 - Mixed Upla	and Deciduo	ous with Po	10 eletimber	Medium	n 19.7			N/A	_	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 nortl $_{\!$
	Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry	and Deciduo onifer % Cover 5		10 letimber	Medium	19.7 Sub-Cano	106 ppy Species t (Beaked)	51-80 Density Medium	N/A Avg. Height < 5 feet	Size < 5 feet	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 nortly but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probab could thin in 10-20 years. Would take a couple thinnings to get the
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen	and Deciduo onifer **Cover 5 2		10 letimber DBH 10 12	Medium	19.7 Sub-Cano	106	51-80 Density Medium Medium	N/A Avg. Height < 5 feet Variable	Size < 5 feet Variable	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probab could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce	and Deciduo onifer **Cover 5 2 15		10 10 12 16 16	Medium	Sub-Cand	106 ppy Species t (Beaked)	51-80 Density Medium	N/A Avg. Height < 5 feet	Size < 5 feet	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probab could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch	and Deciduo onifer % Cover 5 2 15 9		10 DBH 10 12 16 10	Medium	Sub-Cand	106 Depy Species t (Beaked) am Fir	51-80 Density Medium Medium	N/A Avg. Height < 5 feet Variable	Size < 5 feet Variable	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probable could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed ar
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir	80 and Deciduo onifer % Cover 5 2 15 9 15		10 10 DBH 10 12 16 10 8	Age	Sub-Cand	106 Depy Species t (Beaked) am Fir	51-80 Density Medium Medium	N/A Avg. Height < 5 feet Variable	Size < 5 feet Variable	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probable could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed ar variable stand, as previously noted. Areas with more pole/saplings at
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple	80 and Deciduo onifer % Cover 5 2 15 9 15 25		DBH 10 12 16 10 8 9	Age 106	Sub-Cand	106 Depy Species t (Beaked) am Fir	51-80 Density Medium Medium	N/A Avg. Height < 5 feet Variable	Size < 5 feet Variable	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probab could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswoo in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed an variable stand, as previously noted. Areas with more pole/saplings ar extra large stems - missing log class. Black stain heavy on maple.
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple Red Maple	80 and Deciduo onifer % Cover 5 2 15 9 15 25 25 23		10 10 10 11 10 12 16 10 8 9 8 8	Age	Sub-Cand	106 Depy Species t (Beaked) am Fir	51-80 Density Medium Medium	N/A Avg. Height < 5 feet Variable	Size < 5 feet Variable	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probable could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed an variable stand, as previously noted. Areas with more pole/saplings ar
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple	80 and Deciduo onifer % Cover 5 2 15 9 15 25		DBH 10 12 16 10 8 9	Age 106	Sub-Cand	106 Depy Species t (Beaked) am Fir	51-80 Density Medium Medium	N/A Avg. Height < 5 feet Variable	Size < 5 feet Variable	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probable could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed an variable stand, as previously noted. Areas with more pole/saplings are extra large stems - missing log class. Black stain heavy on maple. Sprout origin red maple. Pockets of predominately spruce/fir and sor
(Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple Red Maple	80 and Deciduo onifer % Cover 5 2 15 9 15 25 23 1	Size Class	10 10 10 11 10 12 16 10 8 9 8 8	Age 106 106	Sub-Cand	106 ppy Species t (Beaked) am Fir r Maple	51-80 Density Medium Medium	N/A Avg. Height < 5 feet Variable	Size < 5 feet Variable 10 - 20 feet	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probable could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed an variable stand, as previously noted. Areas with more pole/saplings are extra large stems - missing log class. Black stain heavy on maple. Sprout origin red maple. Pockets of predominately spruce/fir and sor wet ground interspersed. Princess pine, club moss ground cover note. Trace amount of cherry and basswood in canopy. BA is variable, pap
149	Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple Red Maple Yellow Birch 4199 - Other Mixe Canopy Species	80 and Deciduo onifer % Cover 5 2 15 9 15 25 23 1	Size Class	10 DBH 10 12 16 10 8 9 8 24 Sawtimbe	Age 106 106 wr Well	Sub-Cano Hazelnut Balsa Sugar	106 ppy Species t (Beaked) am Fir r Maple	51-80 Density Medium Medium Medium	Avg. Height < 5 feet Variable 10 - 20 feet	Size < 5 feet Variable 10 - 20 feet	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probab could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswoo in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed ar variable stand, as previously noted. Areas with more pole/saplings ar extra large stems - missing log class. Black stain heavy on maple. Sprout origin red maple. Pockets of predominately spruce/fir and sor wet ground interspersed. Princess pine, club moss ground cover note. Trace amount of cherry and basswood in canopy. BA is variable, pap birch falling out. sugar maple sapling in subcanopy.OPIC - FMD:
149	Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple Red Maple Yellow Birch 4199 - Other Mixe	80 and Deciduo onifer % Cover 5 2 15 9 15 25 23 1	Size Class eciduous S	10 DBH 10 12 16 10 8 9 8 24 Sawtimbe	Age 106 106 wr Well	Sub-Cand Hazelnut Balsa Sugar	106 ppy Species t (Beaked) am Fir r Maple	51-80 Density Medium Medium Medium Medium	N/A Avg. Height < 5 feet Variable 10 - 20 feet	Size < 5 feet Variable 10 - 20 feet	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probab could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswoo in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed ar variable stand, as previously noted. Areas with more pole/saplings at extra large stems - missing log class. Black stain heavy on maple. Sprout origin red maple. Pockets of predominately spruce/fir and sor wet ground interspersed. Princess pine, club moss ground cover note. Trace amount of cherry and basswood in canopy. BA is variable, pap birch falling out. sugar maple sapling in subcanopy.OPIC - FMD: Birch looks healthy and younger near No stand east but older west ar some dieback is happening there. Converting to red maple and fir we
149	Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple Red Maple Yellow Birch 4199 - Other Mixe Canopy Species	80 and Deciduo pointer % Cover 5 2 15 9 15 25 23 1 ad Upland Deciduo % Cover	Size Class	10 DBH 10 12 16 10 8 9 8 24 Sawtimbe	Age 106 106 wer Well Age	Sub-Cand Hazelnut Balsa Sugar 12.5 Sub-Cand	106 Depy Species t (Beaked) am Fir r Maple 70 Depy Species	51-80 Density Medium Medium Medium Medium Medium Density	N/A Avg. Height < 5 feet Variable 10 - 20 feet N/A Avg. Height	Size < 5 feet Variable 10 - 20 feet	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 nort but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probable could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed at variable stand, as previously noted. Areas with more pole/saplings at extra large stems - missing log class. Black stain heavy on maple. Sprout origin red maple. Pockets of predominately spruce/fir and so wet ground interspersed. Princess pine, club moss ground cover not a Trace amount of cherry and basswood in canopy. BA is variable, paper birch falling out. sugar maple sapling in subcanopy.OPIC - FMD: Birch looks healthy and younger near No stand east but older west at some dieback is happening there. Converting to red maple and fir we and birch is larger. Younger birch is healthy. Stand is about evenly sp
149	Sugar Maple 4191 - Mixed Upla Co Canopy Species Black Cherry Quaking Aspen White Spruce Paper Birch Balsam Fir Sugar Maple Red Maple Yellow Birch 4199 - Other Mixe Canopy Species Paper Birch	80 and Deciduo onifer % Cover 5 2 15 9 15 25 23 1 ad Upland Deciduo % Cover 45	Size Class	10 10 10 12 16 10 8 9 8 24	Age 106 106 wer Well Age	Sub-Cand Hazelnut Balsa Sugar 12.5 Sub-Cand Sugar	106 ppy Species t (Beaked) am Fir r Maple 70 ppy Species Maple	51-80 Density Medium Medium Medium Medium Medium Density Low	N/A Avg. Height < 5 feet Variable 10 - 20 feet N/A Avg. Height Variable	Size < 5 feet Variable 10 - 20 feet Size Variable	about 1989 by spruce budworm. Mostly M6 south and M5 or M4 north but good regeneration of hardwoods 5-10' tall sugar and red maple in those sparse areas. Some fir, spruce and aspen in the stand. Probab could thin in 10-20 years. Would take a couple thinnings to get the timber quality up but the regeneration here makes the hardwood have good potential. There is also Yellow and white birch, cherry, basswood in the stand. Some good den trees and good vertical structure and species diversity offer good wildlife habitat currently. 2015: Mixed ar variable stand, as previously noted. Areas with more pole/saplings at extra large stems - missing log class. Black stain heavy on maple. Sprout origin red maple. Pockets of predominately spruce/fir and sor wet ground interspersed. Princess pine, club moss ground cover note.

advanced maple regeneration already.

adjacent aspen/fir harvest, where feasible. North end of stand has some

Year of Entry: 2027

Compartment: 51

Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed Site		General Comments				
150	4130	- Aspen		Sawtimb	er Well	25.5	49	111-140	N/A		75% canopy closure. Super canopy older trees present but overall, very low percentage of canopy. Cut 2017 under Perrin Brothers North GEMS				
	Canopy Species	% Cover	Size Class	s DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	SBW (32-014-16) (2025)Mix of species in areas, Hardwood is maple				
	Bigtooth Aspen	10		11		Re	ed Maple	Medium	Variable	Variable	(low quality), white birch and cherry. Some uprooting and blowdown of				
	Balsam Fir	2	Seedling	8		Ва	alsam Fir	Medium	Variable	Variable	aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere				
	Quaking Aspen	75		11	49	Bla	ck Cherry	Low	Variable	Variable	most under 2" dbh. Hazel and raspberry, some elderberry, juneberry the shrub layer. Cut spring 1976 under permit # 7/76A "Perrin Brothe				
	Red Maple	5	Seedling	7		Whi	ite Spruce	Low	Variable	Variable	Road Block".				
	Paper Birch	1	Seedling	8		Ва	alsam Fir	Medium	Variable	Variable					
	Sugar Maple	2		10		Sug	gar Maple	Low	Variable	Variable					
	Balsam Poplar	5		11		Bla	ck Cherry	Low	Variable	Variable					
						Whi	ite Spruce	Low	Variable	Variable					
151	4130	- Aspen		Poletimb	er Well	3.0	37	81-110	N/A		OPIC - FMD: well-stocked 4" dbh. Fir understory in areas 4-6' tall but				
	Canopy Species	% Cover	Size Class	s DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	some larger. Cut in 1988 under permit #010-97-1 "Perrin Brothers Island Sale" (unit 1). 2015: Some uprooting noted and dieback. Groun				
	Red Maple	1	Seedling	6		Ва	alsam Fir	Medium	Variable	Variable	cover of raspberry, hazel and bracken fern all present. Nice sugar				
	Black Cherry	1	Seedling	6		Re	ed Maple	High	Variable	Variable	maple in understory. Small vernal area within north tip of stand - smalle				
	Quaking Aspen	95	Seedling	8	37	Sug	gar Maple	High	>20 feet	>20 feet	aspen here as well.				
	Paper Birch	1	Seedling	6				'			_				
	Balsam Fir	2	Seedling	8											
152	4112 - Maple, Beed	ch, Cherry A	Association	Poletimb	er Well	9.7	75	81-110	N/A		OPIC - FMD: Thinned Oct, 1997 and May, 2000 permit #16-97-01 ¬ "Perrin Camp Sale" (unit 5) by Tri-Forestry. Mostly a poorer timber				
	Canopy Species	% Cover	Size Class		I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	quality red maple stand but some sugar on the higher elevations. Good				
	Sugar Maple	20		12		Whi	ite Spruce	Low	Variable	Variable	regeneration 6' tall in spots being fed on by deer but may escape.				
	Paper Birch	3		10		Ва	alsam Fir	Medium	Variable	Variable	Overall timber quality has improved with the last harvest and good potential is here. Good species diversity in this stand. Softwoods are				
	Black Cherry	1	Seedling	8		Sug	gar Maple	Medium	Variable	Variable	Hemlock, cedar, spruce and fir. 2015: Paper birch heavy along marsh				
	White Spruce	3		8							type with heavy fir understory and smaller sugar maple. Transitions into				
	Red Maple	66		9	75						more pure hardwood with 10-15' maple saplings. Larger white spruce i				
	Balsam Fir	2	Seedling	8							dying - budworm. Black stain on sugar maple noted.				
Nor	thern White Cedar	5		10											
153	4319 - Mixed	l Upland Fo	rest	Poletimb	er Well	27.5	67	51-80	N/A		Thick fir understory in most areas. A few semi-open areas within. Trace ¬ amount of large-diameter maple. Budworm evidence in spruce; aspen				
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	_ amount of large-diameter maple. Budworm evidence in spruce, aspen _ in decline - a lot dead already. Treat now.				
	White Spruce	20		6		Bla	ck Cherry	Medium	Variable	Variable	, i				
	Quaking Aspen	40		10	67	Sug	gar Maple	Medium	Variable	Variable					
	Black Cherry	5	Sapling	5		Ва	alsam Fir	High	>20 feet	>20 feet					
	Balsam Poplar	5	Seedling	7					,		_				
	Balsam Fir	30		8											



Stand	Level 4 Co	over Type		Size Der	sity	Acres	Stand Age E	SA Range	Managed Site		General Comments			
154	6111 - Lowlan	d Balsam P	oplar	Sapling	Well	23.9	26	Immature	N/A		Almost pole stand but not yet.OPIC - FMD: Cut July, 1998 by Tri-			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	forestry permit #16-97-01 "Perrin Camp Sale" (unit 7). Small patch left uncut north due to wetter soil and is less than 2 acres. 1" dbh average			
	Paper Birch	10	Log	2		Suga	ar Maple	High	Variable	Variable	but some up to 2" dbh due to staggered cutting by contractor. Well-			
	Black Ash	5	Sapling	5		Red	d Maple	Low	Variable	Variable	stocked mostly but some sparse areas with red maple sprouting and fir			
	White Pine	2	Sapling	5		Blac	k Cherry	Low	Variable	Variable	seeding in those areas. Fir is seeding in throughout stand. Cedar left throughout stand and only a minor amount has blown down. Some			
(Quaking Aspen	17	Pole	4	26	Bal	sam Fir	Medium	Variable	Variable	aspen clones but most of this stand is balsam poplar. A wetter soil here			
	Balsam Poplar	60	Pole	4	26						but not as low as the typical lowland conifer stand.			
	Sugar Maple	2		10										
	Balsam Fir	2	Pole	4										
Nort	thern White Cedar	2		8										
155	330 - Low-I	Density Tree	es	Non	Э	2.7			No		Previously treated under FTP W32-426: cleared 9/24/91 and seeded 6/92.			
156	42200 - Natu	ıral White F	Pine	Sawtimbe	r Well	6.3	120	81-110	N/A		White spruce and balsam falling out. (2025)OPIC - FMD: Scattered			
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	large white pine. Stand was cut all but pine cedar and some large maple and spruce about 1980. Thick balsam fir understory is 15-20+ foot tall.			
	Paper Birch	5		10	45	Bal	sam Fir	High	Variable	Variable	2015: no white pine regeneration noted.			
	Black Spruce	1	Sapling	6		Red	d Maple	Medium	>20 feet	>20 feet				
	White Pine	80		22	120									
Nort	thern White Cedar	1		12										
	Balsam Fir	5	Sapling	6										
	Sugar Maple	1		16										
	White Spruce	3		16										
	Red Maple	2	Seedling	8										
	Black Cherry	2	Sapling	6										
157	4112 - Maple, Beed	h, Cherry A	ssociation	Poletimbe	r Well	4.6	75	81-110	N/A	\				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size				
	Basswood	5		15		Suga	ar Maple	Low	Variable	Variable				
	Red Maple	50		9	75	Northern	White Cedar	Low	Variable	Variable				
	Sugar Maple	43		10		Iro	nwood	Low	Variable	Variable				
	thern White Cedar	2	Seedling	9										

MICHIGAN .

	Gwinn Mgt. Unit			R	eport 7 – St	ands	Compartment: 51 Year of Entry: 2027	DNR DNR
Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	e BA Range	Managed Site	General Comments	Michigan .
152	4130 - Aspen	Sapling Well	46.6	16	Immature	N/A	Trace amount of super canopy white spruce. (2025)Stand	l treated

158	4130 -	Aspen		Sapling	well
	Canopy Species	% Cove	r Size Class	DBH	Age
	Balsam Poplar	10	Pole	3	16
	Red Maple	2	Pole	4	
	White Pine	1		15	
	Black Cherry	5	Pole	4	
	Balsam Fir	5	Seedling	5	
	Sugar Maple	1		12	
	Quaking Aspen	45	Pole	3	16
	Bigtooth Aspen	30	Pole	3	16
	Paper Birch	1	Log	2	

			-
Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Variable
Tag Alder	Trace	5 - 10 feet	5 - 10 feet
Black Cherry	Medium	Variable	Variable
Balsam Fir	Low	Variable	Variable

under contract # 018-07-01 "Perrin Central Sale" (unit 1 - 3) - harvested spring/summer, 2009.

159	4139 - Aspen, Mixed Deciduous	
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Sapling Well

31.3 8 Immature

120

29.8

N/A

75% canopy closure. Super canopy older trees present but overall, very low percentage of canopy. Cut 2017 under Perrin Brothers North GEMS SBW (32-014-16) (2025)Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas. F3 elsewhere most under 2" dbh. Hazel and raspberry, some elderberry, juneberry in

the shrub layer. Cut spring, 1976 under permit # 7/76A "Perrin Brothers Road Block".

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Pole	4	
Black Cherry	10	Pole	4	
Quaking Aspen	57	Log	1	8
Paper Birch	1	Log	1	
Sugar Maple	2	Log	2	
Balsam Poplar	25	Log	2	
Basswood	2		15	
Sugar Maple	1		15	

Sub-Canopy Species	Density	Avg. Height	Size
Wild Red Raspberry	Medium	< 5 feet	< 5 feet

4110 - Sugar Maple Association Sawtimber Well 160 **Canopy Species** % Cover Size Class **DBH Age** Basswood 20 13 Sugar Maple 80 12 | 120

Sub-Canopy Species	Density	Avg. Height	Size
Elderberry	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Trace	Variable	Variable
Sugar Maple	Medium	Variable	Variable
Wild Red Raspberry	Medium	< 5 feet	< 5 feet
Sugar Maple	Low	>20 feet	>20 feet
Ironwood	Low	Variable	Variable
White Spruce	Trace	Variable	Variable
Balsam Fir	Trace	Variable	Variable
Sugar Maple	Low	< 5 feet	< 5 feet

111-140

Gaps have varying levels of success. (2025)West Gems MWR sale cut 2017.OPIC - FMD: Thinned Dec, 1997 - June, 1998 Tri-Forestry permit #16-97-01 "Perrin Camp Sale". Also C32-382: TSI removing ironwood and some marked trees completed in Dec, 1981. Nice timber quality here and is sawlog size. Lower elevation along clearcut trees show some dieback from possible soil compaction during last harvest but most of the stand is healthy and good quality. Some higher BA areas but crown room in most areas. M3 gaps from 1970s harvest 2-4 inches dbh. New M3 regeneration is 3-4' tall and is mostly in the west part of stand. Some feeding by deer but seedlings may escape. Some scarlet elderberry on landings. 2015: regeneration in west part of stand is now 10' + range.

Poletimber Well

DBH Age

8.6 26 51-80 N/A

N/A

This stand is a little higher site than stand to the west, stand 154. Trees are a little larger, just barely a pole stand. (2025)OPIC - FMD: Cut permit #16-97-01 "Perrin Camp Sale" (unit 6) in July, 1998 by Tri-Forestry. Mostly well-stocked A3. Some P2 balsam poplar and some F1/G. 3/4 of stand well-stocked with hardwoods. MO was originally fir, but aspen sprouted vigorously here. The part of the stand not fully stocked has seeded in with fir. Some larger A,P along old skid trail should be harvested with adjacent stand.

., .				
Balsam Poplar	70	Pole	4	26
Black Cherry	1	Sapling	5	

% Cover Size Class

Balsam Fir 5 Seedling 8 4 8 White Spruce Seedling 20 5 26 Quaking Aspen Sapling

Canopy Species



Stand	Level 4 Co	over Type		Size De	nsity	Acres Stand Age	BA Range	Managed S	ite	General Comments
162	3301 - Low Densi	ity Deciduo	us Trees	No	ne	1.0		No		Old opening filling in with trees.
						Sub-Canopy Speci	es Density	Avg. Height	Size	
						Balsam Fir	Low	>20 feet	>20 feet	
						Balsam Poplar	Medium	Variable	Variable	
163	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	1.1 120	111-140	N/A		OPIC - FMD: Thinned 1998 permit #16-97-01 by Tri-Forestry. Mostly a
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size	poorer timber quality maple stand. 2015: Small island of hardwood within aspen types. Borer damage to sugar maple; basswood in
	Basswood	30		12		Balsam Fir	Medium	>20 feet	>20 feet	clumps. Thick fir understory.
	Sugar Maple	70		15	120	Balsam Fir	High	Variable	Variable	
164	4130	- Aspen		Poletimb	er Well	17.8 27	1-50	N/A	1	OPIC - FMD: Cut in 1998 K&K logging permit #15-97-01 "Twin Porkies
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size	Sale" (unit 6 and 7). Balm on lower edge near swamp. Raspberry ground cover.
	Quaking Aspen	90	Sapling	5	27	Ironwood	Low	Variable	Variable	9.54.14.55.51
	Balsam Poplar	5	Sapling	5		White Spruce	Trace	Variable	Variable	
	Sugar Maple	2	Seedling	7		Sugar Maple	High	Variable	Variable	
	Balsam Fir	2	Seedling	7						_
	Black Cherry	1	Sapling	5						
165	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimb	er Well	1.2 100	111-140	N/A	\	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size	
	Yellow Birch	1		12		Balsam Fir	Low	Variable	Variable	
	Paper Birch	2		10						
	Sugar Maple	30		10	115					
	Red Maple	67		10	100					
166	4119 - Mixed No	orthern Hard	dwoods	Poletimb	er Well	1.9 105	111-140	N/A		Balsam fir breaking up and falling apart.OPIC - FMD: Thinned Nov-
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size	Dec, 1997 permit #16-97-01 "Perrin Camp Sale" by Tri-forestry. Mostly a poorer timber quality red maple stand but some sugar on the higher
	Basswood	10		15		Balsam Fir	High	Variable	Variable	elevations. Good regeneration 6' tall in spots being fed on by deer but
	Red Maple	25		9	105	Ironwood	Medium	>20 feet	>20 feet	may escape. Overall timber quality has improved with the last harvest
	Sugar Maple	54		9	105	White Spruce	Low	< 5 feet	< 5 feet	and good potential is here. 2015: More open-grown maple - clumps and still numerous defects, but stand has future potential. Leatherwood
	White Spruce	1	Seedling	8		Sugar Maple	Low	>20 feet	>20 feet	noted in ground cover with lycopodium.
	Balsam Fir	10	Seedling	7			-			_ , ,
167	4112 - Maple, Beed	h, Cherry A	Association	Sawtimb	er Well	13.0 106	111-140	N/A	\	Trace amount of yellow birch, paper birch, and basswood in canopy.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size	(2025)Stand treated under contract # 018-07-01 "Perrin Central Sale" (unit 4) in fall, 2010; was to be underplanted with hemlock after
	Sugar Maple	70		11	106	Sugar Maple	High	Variable	Variable	harvest, but never accomplished. Aspen which was left is dying out;
	Red Maple	20		11	106	Red Oak	Trace	Variable	Variable	some uprooting/maple snap noted. Not a whole lot of seedling maple
	Balsam Fir	2		8		Balsam Fir	Medium	Variable	Variable	regeneration noted. OPIC - FMD: Thinned 1980. Some poor timber quality trees here but good potential especially the sugar maple.
	Quaking Aspen	8		11						= quality 11000 files but good potential oppositing the ought maple.

Compartment: 51 Year of Entry: 2027 DNR DNR

Stand	d Level 4 Co	over Type		Size Density	Acres	Stand Age I	BA Range	Managed S	ite	General Comments			
168	4130	- Aspen		Sapling Well	27.4	16	Immature	N/A	\	Trace amount of yellow birch, red oak, iron wood, and white spruce in			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	Sub-Canopy Species		Avg. Height	Avg. Height Size	canopy. (2025)Stand treated under contract # 018-07-01 "Perrin Central Sale" (unit 5 and 6) - harvested summer, 2009. Scattered			
	Red Maple	5	Pole	4	Sug	gar Maple	Medium	5 - 10 feet	5 - 10 feet	residual hardwoods left with patchy spruce/fir clumps. Visual retention			
	Quaking Aspen	0 1		3 16	Ва	alsam Fir	Low	Variable	Variable	patch of hardwood/aspen left along Co Rd.			
	Sugar Maple	2	Seedling	9	Bla	ick Cherry	Trace	Variable	Variable				
	Paper Birch	2	Log	3						-			
	Balsam Fir	5	Pole	3									
169	310 - Herbac	eous Open	land	None	1.4			No		Field filling in with balsam fir, cherry and birch			
170	4134 - Aspe	en, Spruce/	Fir \$	Sawtimber Wel	II 9.0	65	81-110	N/A		OPIC - FMD: Mix of aspen and fir. Some sparse areas filling in with fir west and is almost F6 there. Moist and wetter areas west as well but most of stand is upland. Some mature aspen is mixed in and may be a remnant of the previous stand. Most of stand not quite mature but is			
										merchantable. 2015: Budworm issues were noted fall, 2014, especially along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error.			
171	4110 - Sugar N			Sawtimber Wel		108	111-140	N/A		along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015:			
171	Canopy Species	% Cover	ciation Size Class	DBH Age	Sub-Ca	anopy Species		Avg. Height	Size	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K.			
171	Canopy Species Sugar Maple	% Cover 77		DBH Age 13 108	Sub-Ca	anopy Species alsam Fir	Density Low	Avg. Height Variable	Size Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas			
171	Canopy Species Sugar Maple Basswood	% Cover 77 5		DBH Age 13 108 15	Sub-Ca Ba Sug	anopy Species alsam Fir gar Maple	Low Low	Avg. Height Variable < 5 feet	Size Variable < 5 feet	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this			
171	Canopy Species Sugar Maple Basswood Paper Birch	% Cover 77 5 3		DBH Age 13 108 15 10	Sub-Ca Ba Sug Lea	anopy Species alsam Fir gar Maple atherwood	Low Low Low	Avg. Height Variable < 5 feet 5 - 10 feet	Size Variable < 5 feet 5 - 10 feet	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas			
171	Canopy Species Sugar Maple Basswood Paper Birch Red Maple	% Cover 77 5 3 3 3		DBH Age 13 108 15 10 10 13	Sub-Ca Ba Suç Lea	anopy Species alsam Fir gar Maple atherwood ronwood	Low Low Low Medium	Avg. Height Variable < 5 feet 5 - 10 feet Variable	Variable < 5 feet 5 - 10 feet Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good			
171	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch	% Cover 77 5 3 3 10		DBH Age 13 108 15 10 13 13	Sub-Ca Ba Suç Lea	anopy Species alsam Fir gar Maple atherwood	Low Low Low	Avg. Height Variable < 5 feet 5 - 10 feet	Size Variable < 5 feet 5 - 10 feet	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good			
171	Canopy Species Sugar Maple Basswood Paper Birch Red Maple	% Cover 77 5 3 3 3		DBH Age 13 108 15 10 10 13	Sub-Ca Ba Suç Lea	anopy Species alsam Fir gar Maple atherwood ronwood	Low Low Low Medium	Avg. Height Variable < 5 feet 5 - 10 feet Variable	Variable < 5 feet 5 - 10 feet Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good			
	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch	% Cover 77 5 3 3 10 2 2 erous Lowless	Size Class	DBH Age	Sub-Ca Ba Suç Lea Irr Suç	anopy Species alsam Fir gar Maple atherwood ronwood	Low Low Low Medium	Avg. Height Variable < 5 feet 5 - 10 feet Variable	Size Variable < 5 feet 5 - 10 feet Variable Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good sugar maple regeneration is 3-6' tall. Balsam fir falling out. Varying ages of aspen and BAM present. Very wei			
	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch Quaking Aspen	% Cover 77 5 3 3 10 2 2 erous Lowless	Size Class	DBH Age	Sub-Ca Ba Sug Lea Ird Sug	anopy Species alsam Fir gar Maple atherwood ronwood gar Maple	Low Low Low Medium Low 1-50 Density	Avg. Height Variable < 5 feet 5 - 10 feet Variable Variable	Size Variable < 5 feet 5 - 10 feet Variable Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good sugar maple regeneration is 3-6' tall.			
	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch Quaking Aspen 6129 - Mixed Conife	% Cover 77 5 3 3 10 2 2 erous Lowless	Size Class	DBH Age	Sub-Ca Ba Sug Lea In Sug um 67.7 Sub-Ca	anopy Species alsam Fir gar Maple atherwood ronwood gar Maple	Low Low Low Medium Low	Avg. Height Variable < 5 feet 5 - 10 feet Variable Variable N/A	Variable < 5 feet 5 - 10 feet Variable Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good sugar maple regeneration is 3-6' tall. Balsam fir falling out. Varying ages of aspen and BAM present. Very wei			
	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch Quaking Aspen 6129 - Mixed Conife Canopy Species	% Cover 77 5 3 3 10 2 erous Lowla	Size Class and Forest Po	DBH Age	Sub-Ca Ba Sug Lea In Sug sum 67.7 Sub-Ca	anopy Species alsam Fir gar Maple atherwood ronwood gar Maple 100 anopy Species	Low Low Low Medium Low 1-50 Density	Avg. Height Variable < 5 feet 5 - 10 feet Variable Variable Variable N/A Avg. Height	Size Variable < 5 feet 5 - 10 feet Variable Variable Size	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good sugar maple regeneration is 3-6' tall. Balsam fir falling out. Varying ages of aspen and BAM present. Very wei			
	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch Quaking Aspen 6129 - Mixed Conife Canopy Species Balsam Poplar	% Cover 77 5 3 3 10 2 erous Lowlar % Cover 5	and Forest Po Size Class Seedling	DBH Age 13 108 15 10 13 13 11 11 DBH Age 5	Sub-Ca Ba Sug Lea In Sug um 67.7 Sub-Ca Ta	anopy Species alsam Fir gar Maple atherwood ronwood gar Maple 100 anopy Species ag Alder	Low Low Low Medium Low 1-50 Density High	Avg. Height Variable < 5 feet 5 - 10 feet Variable Variable N/A Avg. Height 5 - 10 feet	Size Variable < 5 feet 5 - 10 feet Variable Variable Size 5 - 10 feet Variable Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good sugar maple regeneration is 3-6' tall. Balsam fir falling out. Varying ages of aspen and BAM present. Very wei			
172	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch Quaking Aspen 6129 - Mixed Conife Canopy Species Balsam Poplar Black Spruce	% Cover 77 5 3 3 10 2 erous Lowlar 5 40	and Forest Po Size Class Seedling Seedling	DBH Age 13 108 15 10 13 13 11 11 DBH Age 5 8 100	Sub-Ca Ba Sug Lea Irr Sug um 67.7 Sub-Ca Re Blace	anopy Species alsam Fir gar Maple atherwood ronwood gar Maple 100 anopy Species ag Alder ed Maple	Low Low Medium Low 1-50 Density High Low	Avg. Height Variable < 5 feet 5 - 10 feet Variable Variable N/A Avg. Height 5 - 10 feet Variable	Size Variable < 5 feet 5 - 10 feet Variable Variable Size 5 - 10 feet Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good sugar maple regeneration is 3-6' tall. Balsam fir falling out. Varying ages of aspen and BAM present. Very wei			
172	Canopy Species Sugar Maple Basswood Paper Birch Red Maple Yellow Birch Quaking Aspen 6129 - Mixed Conife Canopy Species Balsam Poplar Black Spruce Quaking Aspen	% Cover	and Forest Po Size Class Seedling Seedling	DBH Age	Sub-Ca Ba Sug Lea Irr Sug um 67.7 Sub-Ca Ta Re Blace Ba	anopy Species alsam Fir gar Maple atherwood ronwood gar Maple 100 anopy Species ag Alder ed Maple ck Spruce	Low Low Medium Low 1-50 Density High Low Medium	Avg. Height Variable < 5 feet 5 - 10 feet Variable Variable N/A Avg. Height 5 - 10 feet Variable Variable	Size Variable < 5 feet 5 - 10 feet Variable Variable Size 5 - 10 feet Variable Variable	along grass type. Stand should be harvested. 6/17: Remotely updated stand to get rid of validation error. Nice stand. Trace amount of white spruce in canopy. (2025)2015: Possibly select cut; BA averages only around 100 - 110. Aspen and paper birch within are dying. OPIC - FMD: Cut permit #15-97-01 K. K. Logging in 1998. Still crown room and BA ok but some thick areas where stand was not marked enough last time. Not enough to cut this cycle. Good quality yellow birch here but some have dieback. Good sugar maple regeneration is 3-6' tall. Balsam fir falling out. Varying ages of aspen and BAM present. Very wei			

Compartment: 51 Year of Entry: 2027



Stand	Level 4 C	over Type		Size Density	Acres Stand Age	BA Range	Managed S	ite	General Comments
173	4119 - Mixed No	orthern Har	dwoods	Poletimber Well	4.1 105	111-140	N/A	1	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Specie	s Density	Avg. Height	Size	
	White Spruce	2		12	Balsam Fir	Medium	Variable	Variable	
	Black Cherry	1	Seedling	8					<u>-</u>
	Paper Birch	10		12					
	Quaking Aspen	1		12					
No	rthern White Cedar	5		10					
	Yellow Birch	2		8					
	Red Maple	76		9 105					
	Black Spruce	3	Seedling	8					
174	310 - Herbad	ceous Oper	nland	None	3.2		No		
					Sub-Canopy Specie	s Density	Avg. Height	Size	
					Balsam Poplar	Low	5 - 10 feet	5 - 10 feet	
					White Spruce	Medium	>20 feet	>20 feet	
					Quaking Aspen	Medium	Variable	Variable	
					Black Cherry	Low	>20 feet	>20 feet	
					Balsam Fir	Medium	>20 feet	>20 feet	
175	4130	- Aspen		Sapling Well	15.6 8	Immature	N/A	1	Harvested 2017: TS# 32-14-16. Aspen regeneration already 6'+ tall
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Specie	s Density	Avg. Height	Size	summer after winter harvest.
	Balsam Fir	2	Pole	4	Wild Red Raspberry	Medium	< 5 feet	< 5 feet	
	Balsam Poplar	30	Log	2 8	Balsam Fir	Low	Variable	Variable	
	Quaking Aspen	63	Log	3 8					_
	Black Cherry	5	Sapling	5					
176	4130	- Aspen		Sapling Well	17.3 17	Immature	N/A	1	Trace amount of scatter super canopy trees mostly maple and some
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Specie	s Density	Avg. Height	Size	elm.OPIC - FMD: Left some scattered mature trees when cut November, 2007 by Heidtman permit #32-016-07-01 "Perrin Midsouth
	Quaking Aspen	84	Log	4 17	Sugar Maple	Medium	Variable	Variable	Sale".
	Balsam Fir	3	Pole	4	Paper Birch	Trace	Variable	Variable	
	Red Maple	2	Pole	4	Red Maple	High	Variable	Variable	
	Balsam Poplar	10	Log	4	Balsam Fir	Low	Variable	Variable	
									+

Variable

Variable

Trace

Sugar Maple

11

Black Cherry



Stand		Size De	sity			tand Age BA Range		Site	General Comments		
177	4110 - Sugar N	Maple Assoc	ciation	Sawtimbe	er Well	11.8	106	111-140	N/A	A	Trace amount of paper birch and aspen in canopy (2025)OPIC -
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	FMD: Removed aspen and fir under permit #5/76A in 1976. TSI and elm salvage in 1977. Need line work here but should be able to do it.
	Sugar Maple	64		12	106	Sug	ar Maple	Trace	Variable	Variable	Good potential but a lot of basswood clumps and poor quality to come
	White Ash	2		10		Bal	lsam Fir	Low	Variable	Variable	out. Some sparse areas but most areas need thinning. Underplant
	White Spruce	1		12		Wh	nite Ash	Low	Variable	Variable	hemlock for diversity after harvest by wildlife division. Summer logging restrictions if possible. Stand treated fall of 2009 by Triest under
	Basswood	30		15		Iro	nwood	Medium	Variable	Variable	contract # 17-07-01 "Denn's Old Camp Hardwood". 2015: Fairly heavy
	Yellow Birch	3		12		Sug	ar Maple	Low	< 5 feet	< 5 feet	maple regeneration <2' ht. Raspberry, leatherwood, hazel all noted in
						Leat	therwood	Medium	5 - 10 feet	5 - 10 feet	understory.
						Sug	ar Maple	Low	Variable	Variable	
						Bal	lsam Fir	Low	Variable	Variable	
178	330 - Low-	Density Tre	es	Non	е	2.4			Yes	S	Leatherwood noted along edges. Cut merchantable timber when
						Sub-Car	nopy Species	Density	Avg. Height	Size	adjacent stand is prescribed, esp. if used for access.
						Iro	nwood	Low	5 - 10 feet	5 - 10 feet	
						Bal	lsam Fir	Medium	Variable	Variable	
						Balsa	am Poplar	Medium	10 - 20 feet	10 - 20 feet	
						Whit	e Spruce	Medium	>20 feet	>20 feet	
						Sug	ar Maple	Low	>20 feet	>20 feet	
						Quak	ing Aspen	Low	Variable	Variable	
179	4130	- Aspen		Poletimbe	r Well	19.9	49	111-140	N/A	4	Trace amount of red pine, white spruce, paper birch and basswood in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	canopy. Stand divided into 3 smaller stands. (2025)Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some
	Balsam Fir	3		8		Sug	ar Maple	Low	Variable	Variable	uprooting and blowdown of aspen occurring. M3 understory(sugar
	Quaking Aspen	95		9	49	Bal	lsam Fir	Medium	Variable	Variable	maple) in areas, F3 elsewhere most under 2" dbh. Hazel and raspberry,
	Sugar Maple	2		12		Blac	k Cherry	Trace	Variable	Variable	some elderberry, juneberry in the shrub layer. Cut spring,1976 under permit # 7/76A "Perrin Brothers Road Block".Part of stand cut under
						Iro	nwood	Low	Variable	Variable	Flushing Frog GEMS 32-009-22
						Red	d Maple	Low	Variable	Variable	
						Iro	nwood	Low	Variable	Variable	
180	4130	- Aspen		Sawtimbe	er Well	31.0	48	111-140	N/A	4	2015: Some decline in aspen noted. Thick maple regeneration (1-3"
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	dbh) doing well - manage for both A/M or let convert to M. Fringe of older aspen (10-12" dbh) along stand 28 boundary. Heavier S/F, in
	White Spruce	3		12		Bal	Isam Fir	Medium	Variable	Variable	pockets. OPIC - FMD: Well-stocked 2-4 stick aspen. Fir under 10' tall
	Quaking Aspen	85		10	48	Whit	te Spruce	Low	Variable	Variable	medium stocked. South is more 4-stick, north is slightly smaller aspen.
	Balsam Poplar	5		10		Blac	k Cherry	Low	>20 feet	>20 feet	Raspberry ground cover. Cut in 1976 under permit #5/76A "Bob's Lake West".
	Sugar Maple	3	Sapling	5		Iro	nwood	Medium	>20 feet	>20 feet	11000
	Balsam Fir	2	Sapling	5		Hazel	Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	
	Ironwood	2	Seedling	5		Sug	ar Maple	Medium	>20 feet	>20 feet	
-											_



Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
181	4130	- Aspen		Sawtimb	er Well	24.1	49	111-140	N/A	A	Mix of species in areas, Hardwood is maple (low quality), white birch
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere most under 2" dbh.
	Paper Birch	3		8		Bals	sam Fir	High	Variable	Variable	Hazel and raspberry, some elderberry, juneberry in the shrub layer. Cut
	Balsam Poplar	5		11		Suga	ar Maple	Low	Variable	Variable	spring,1976 under permit # 7/76A "Perrin Brothers Road Block".
	Quaking Aspen	75		11	49	Red	d Maple	Low	Variable	Variable	Part of stand cut under Flushing Frog GEMS 32-009-22
	Black Cherry	2		11							Transfer stand saturday riddining ridg Semio Se 500 ee
	White Spruce	3		9							
	Sugar Maple	2		8							
	Balsam Fir	5	Seedling	8							
	Red Maple	5		6							
182	4112 - Maple, Beed	ch, Cherry A	ssociation	Sawtimb	er Well	4.5	105	111-140	N/A	\	More sugar maple seedlings adjacent to private cut on edge of
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	stand.OPIC - FMD: Good quality small stand. Need to do property lines. Most of the nicer trees are on private land here but should thin with
	Quaking Aspen	2		10		Suga	ar Maple	Low	Variable	Variable	adjacent aspen sale. Wait 10 years until adjacent aspen is cut. 2015:
	Sugar Maple	75		10	105	Iro	nwood	Low	Variable	Variable	Private stand has been thinned and lines are established. Thin with
	Red Maple	23		11		Bals	sam Fir	Low	Variable	Variable	adjacent aspen harvest. Leatherwood ground cover noted as well as heavy princess pine at far east end of stand.
183	4130	- Aspen		Sapling	g Well	32.6	5		N/A	١	Trace amount of cherry. (2025)Stand was harvested in
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	2020.Partial cut 1976. Overmature aspen with spruce, fir. Quite a bit is dead/dying already. Heavier wet areas with cedar/ash swale in stand
	Sugar Maple	2	Log	1		Suga	ar Maple	Trace	< 5 feet	< 5 feet	and thicker fir/spruce along lowland edge. Some maple in stand is
	Balsam Poplar	20	Log	1							scattered low crowned and poor timber quality - harvest all. Falls within
	Quaking Aspen	75	Log	1	5						GEM's area.
	Red Maple	3	Log	1							
184	629 - Mixed nor	n-forested W	/etland	No	ne	9.9			No	1	OPIC - FMD: Lowland brush mostly alder 8' tall along Bob's creek.
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Black	< Spruce	Low	Variable	Variable	
						Pap	er Birch	Trace	10 - 20 feet	10 - 20 feet	
						Tar	marack	Low	>20 feet	>20 feet	
						Wh	ite Pine	Trace	10 - 20 feet	10 - 20 feet	
185	6129 - Mixed Conif	erous Lowla	and Forest P	oletimbe	r Mediur	n 16.0	110		N/A	١	Very wet and patchy. Falling apart. Red maple saplings filling in.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	orthern White Cedar	40		9	110	Black	k Spruce	Low	Variable	Variable	
No	THE COURT OF THE COURT		0 111			Red	d Maple	Medium	Variable	Variable	
No	Paper Birch	2	Seedling	6							
No		30	Seedling	8			sam Fir	Medium	Variable	Variable	
No	Paper Birch		Seedling		40	Bal		Medium High	Variable 5 - 10 feet	Variable 5 - 10 feet	



Stand		Acres	Stand Age B	A Range	Managed S	ite	General Comments				
186	4112 - Maple, Beed	ch, Cherry A	Association Po	letimber	Medium	4.7	188	51-80	N/A	١	Patchy maple with variable BA. Higher BA adjacent to CO RD 438.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trace amount of cedar and hemlock in canopy. (2025)Cut in 2020. Left most maple and some hardwood/conifer.OPIC - FMD: Stand
	Red Maple	50		8		Qua	king Aspen	High	Variable	Variable	was cut hard last treatment period, regenerating very well to soft maple.
	Sugar Maple	50		9	188	Re	ed Maple	Low	Variable	Variable	
						Ва	ılsam Fir	Trace	Variable	Variable	
						Wild R	ed Raspberry	Medium	5 - 10 feet	5 - 10 feet	
187	3102	- Grass		Nor	ie	2.6			Yes	•	Historic hunter walking trail delineated 4/20/2018 for ease of treatment prescription.
188	6224 - ⁻	Treed Bog		Nor	ne	33.4			No		Sapling/seedling black spruce and tamarack. Most of the trees look to be standing dead. (2025)OPIC - FMD: Stunted black spruce with a frindge of black spruce poles surrounding a bog lake.7/19/23: Updated to non-OI cover type.
189	4130	- Aspen	F	Poletimb	er Well	21.8	32	81-110	N/A		OPIC - FMD: Treated under permit #015-92-01. 2-4" aspen saplings 20'-40' tall over fir with a W7 overstory in the southeast portion of the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand. This stand also contains a small 1 acre hard and soft maple
	Balsam Fir	3	Seedling	7		Pa	per Birch	Trace	Variable	Variable	"island".
	Quaking Aspen	75	Seedling	8	32	W	hite Pine	Trace	Variable	Variable	
	Red Maple	5	Seedling	8		Ba	ılsam Fir	Low	Variable	Variable	
	White Pine	2		19		Bla	ck Cherry	Trace	Variable	Variable	
	Sugar Maple	15		12		Su	gar Maple	Medium	Variable	Variable	
						R	ed Pine	Trace	Variable	Variable	
						Re	ed Maple	High	Variable	Variable	
190	4136 - Asper	n, Mixed Co	nifer	Sapling	Well	32.7	2		N/A		OPIC - FMD: Aspen poles and saplings with fir, jack pine, spruce poles, and scattered white pine sawtimber over fir, red and white pine, and jack
	Canopy Species	% Cover	Size Class	DBH	Age						pine seedlings and saplings. The stand is fully stocked and just starting
	Balsam Fir	15	Log	2							to transition from a sapling stand to a pole stand.7/19/23: Updated to
	White Pine	7		16							non-OI cover type.SF2024: Treated under Flushing Frogs GEMS
	Red Pine	3		16							Sale 32-009-22 (1)Trace amount of jack pine and paper birch. (2024)
	Red Pine	1	Log	2							
	White Pine	1	Log	2							
	Red Maple	20	Log	1							
	Quaking Aspen	52	Log	1	2						
	Black Spruce	1	Log	1							

Stand	Level 4 C	over Type		Size De	nsity	Acres Stand Ag	e BA Range	Managed S	ite	General Comments
191	4130	- Aspen		Sapling	y Well	23.7 12	Immature	N/A	A	OPIC - FMD: A4M4F4W4 Medium stocked aspen ,soft maple, fir and
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	white birch with occasional large white pine and white spruce. Dense 1 3" fir understory. Numerous 1/10 acre "openings" throughout the stand
	Balsam Fir	10	Log	2		White Pine	Trace	< 5 feet	< 5 feet	Retain all pines and large supercanopy white spruce. 2013-harvested
	Paper Birch	2	Log	2		Balsam Fir	Low	< 5 feet	< 5 feet	by Sanville summer of 2013 under contract # 014-12-01.7/19/23:
	Sugar Maple	5	Log	1		Red Pine	Trace	< 5 feet	< 5 feet	Updated to non-OI cover type.
	Red Maple	15	Log	2			-			
	White Pine	5		16						
(Quaking Aspen	62	Log	2	12					
	Jack Pine	1	Log	2						
192	6122 - BI	ack Spruce		Poletimb	er Well	10.9 41	51-80	N/A	4	OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, o site Aspen saplings with a few poles. Dry mesic site. Approximately
	Quaking Aspen	2	Seedling	6		Red Maple	Low	Variable	Variable	50% of the stand is in aspen, with conifers the remainder. Conifer
	Balsam Fir	2	Seedling	6		Tag Alder	Low	5 - 10 feet	5 - 10 feet	content consists of a blend of white pine, red pine, jack pine and white
	Tamarack	30	Seedling	6		Balsam Fir	Low	Variable	Variable	spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non- OI cover type.Bill Rollo GEM Management Plan:Stand rotation
	Paper Birch	1	Pole	4		Tamarack	Low	Variable	Variable	2037 YOE.
	Black Spruce	55	Sapling	6	41	Black Spruce	Low	Variable	Variable	
	White Pine	10	Sapling	6		·	l .			
193	6122 - BI	ack Spruce		Sapling I	Лedium	15.3 90	Unspecified	N/A	A	OPIC - FMD: Medium stocked black spruce bog with scattered
(Canopy Species	% Cover	Size Class	DBH	l Age					tamarack.7/19/23: Updated to non-OI cover type.Very wet black spruce bog. Some upland with larger black spruce trees and aspen on
(Quaking Aspen	1		12						the perimeter.
	Tamarack	5	Pole	4						
	Black Spruce	92	Pole	4	90					
	Paper Birch	1	Sapling	5						
	White Pine	1	Log	3						
194	4130	- Aspen		Poletimb	er Well	19.8 33	81-110	N/A	4	OPIC - FMD: Cut under contract# 016-92-01. Aspen 2-4" dbh, 2-40'
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	tall.Trace amounts of cherry and red pine in canopy. (2025)
	Balsam Fir	2	Seedling	6		Paper Birch	Trace	Variable	Variable	
E	Balsam Poplar	25	Sapling	7		Balsam Fir	Low	Variable	Variable	
	Paper Birch	2	Seedling	6		Ironwood	Medium	Variable	Variable	
	Jack Pine	2	Seedling	6		Sugar Maple	High	Variable	Variable	
	Sugar Maple	2		9			,			_
	White Pine	1	Seedling	8						
(Quaking Aspen	66	Sapling	7	33					
195	3303 - Mixed L	ow Density	Trees	Noi	ne	2.2		Yes	S	OPIC - FMD: Small grass openingFilling in with tamarack, red pine, white pine, quaking aspen, and cherry.
196	6225	5 - Bog		Noi	ne	8.0		No)	OPIC - FMD: Bog

Stand	Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed Sit	e	General Comments
197	4110 - Sugar N	Maple Assoc	ciation	Sawtimber Well	14.0	120	81-110	N/A		This stand was cut hard last entry. Basal area varies widely between 40
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	to 150. Good regeneration presents in low basal area areas.OPIC - FMD: Cut hard under contract #019-92-01. Stand consists of low-quality
	Yellow Birch	2		11	Irc	nwood	Medium	Variable	Variable	large sugar maple and basswood sawtimber with a few small poles.
	Basswood	20		18	Sug	ar Maple	High	Variable	Variable	Most of the trees are of multiple stems, low forks, and basswood
	Quaking Aspen	2	Seedling	6	Ва	lsam Fir	Low	Variable	Variable	clumps. Good site potential with medium to high hard maple and ironwood regeneration.
	Paper Birch	2		11	Irc	nwood	Medium	Variable	Variable	I I I I I I I I I I I I I I I I I I I
	Sugar Maple	74		12 120						
198	4193 - B	irch, Aspen		Sapling Well	20.2	12 I	mmature	N/A		OPIC - FMD: B5S4F4A4M4W4R4H4. Call it a birch and aspen stand
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	with mixed upland conifers over 1-3" fir and black spruce regen. Remove all species except the red and white pine. Any species mix is
	Tamarack	1	Log	2		nite Pine	Low	< 5 feet	< 5 feet	acceptable for regeneration. 2013-harvested by Sanville summer of
	Quaking Aspen	37	Log	3 12	Re	ed Pine	Trace	Variable	Variable	2013 under contract # 014-12-01.
	Paper Birch	34	Log	2						[⊥] 7/19/23: Updated to non-Ol cover type.
	Jack Pine	1	Log	2						
	White Pine	10		16						
	Red Pine	2		16						
	Black Cherry	1	Log	2						
	Red Maple	10	Log	2						
	Hemlock	1	Seedling	9						
	Balsam Fir	2	Log	3						
No	rthern White Cedar	1	Seedling	9						
199	3303 - Mixed L	ow Density	Trees	None	4.9			No		OPIC - FMD: Larger opening with cherry and a few pines.2016 - The hunter walking trail (HWT) in this stand (199) leading to an opening (stand 203) was gated to prevent vehicular access.2017 - The HWT and opening (stand 203) were herbicided, disked, fertilized, and planted to rye. The intent is to continue a planting regime of rye until it is deemed acceptable to plant annual cover crops. (FTP # W-32-901)Opening filling in with primarily sapling/pole white pine, jack pine, aspen and cherry. 2024
200	3303 - Mixed L	ow Density	Trees	None	1.5			Yes		Opening filling in with fir, pine, aspen, and cherry
201	4130	- Aspen		Poletimber Well	36.4	42	111-140	N/A		Trace white pine, black spruce, white spruce and jack pine. This was
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sold but turned back (32-019-18). (2025)OPIC - FMD: Cut in 1983, the stand is transitioning to an A6 pole stand. It is fully stocked, with 1-2
	Quaking Aspen	76	Seedling	8 42	Blac	k Cherry	Low	Variable	Variable	stick poles over well stocked aspen saplings.2016 - The hunter walking
	Black Cherry	2	Seedling	6	Sug	ar Maple	Low	Variable	Variable	trail (HWT) in this stand (201) leading to an opening (stand 203) was
	Paper Birch	2	Seedling	8	Ва	lsam Fir	Medium	Variable	Variable	gated to prevent vehicular access.2017 - The HWT and opening (stand 203) were herbicided, disked, fertilized, and planted to rye. The
	Balsam Fir	5	Seedling	8	Re	d Maple	Medium	Variable	Variable	intent is to continue a planting regime of rye until it is deemed
	Tamarack	5	Seedling	8	Whit	e Spruce	Low	>20 feet	>20 feet	acceptable to plant annual cover crops. (FTP # W-32-901)
	Balsam Poplar	10	Seedling	7	Whit	e Spruce	Low	Variable	Variable	
				· · · · · · · · · · · · · · · · · · ·	Ва	lsam Fir	Medium	Variable	Variable	
					Wh	ite Pine	Trace	Variable	Variable	



Stand	Level 4 Cov	er Type		Size Density	Acres	Stand Age B	A Range	Managed Si	te	General Comments
202	6121 - Ta	amarack		Poletimber Well	18.5	31	81-110	N/A		OPIC - FMD: Nice pocket of tamarack regeneration. SI from stand
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	16.7/19/23: Updated to non-OI cover type.Cut in 1983 with the 557 West Block Sale.
	Balsam Fir	5	Pole	4	Blad	ck Spruce	Low	Variable	Variable	
No	orthern White Cedar	2	Seedling	8	Re	ed Maple	Low	Variable	Variable	
	Black Spruce	25	Sapling	5	Ва	alsam Fir	Low	Variable	Variable	
	Quaking Aspen	15	Sapling	5						
	Paper Birch	1	Pole	4						
	Tamarack	52	Sapling	5 31						
203	3102 -	Grass		None	2.6			Yes		OPIC - FMD: 1990 2.2 ACRES DISC & SEEDED FTP W-32-319 2017 - Disked, fertilized, and planted fall rye along with Hunter Walking Trail (HWT) leading to this opening through portions of stands 201, 205, and 199 (FTP W-32-901).
204	6122 - Blad	ck Spruce		Poletimber Well	8.0	116	51-80	N/A		OPIC - FMD: Essentially a small treed bog.7/19/23: Updated to non-OI
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cover type.Primarily 1 stick black spruce. Very wet. Trace amount of paper birch and white pipe poles. 2024
	Tamarack	10	Pole	4	WI	hite Pine	Trace	Variable	Variable	paper billott and write pipe poics. 2024
	Black Spruce	88	Pole	4 116	Blad	ck Spruce	Low	Variable	Variable	
No	orthern White Cedar	2		10				1		_
205	4130 - /	Aspen		Sapling Well	29.7	12 I	mmature	N/A		OPIC - FMD: Well stocked stand of larger aspen with fir, soft maple,
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and scattered supercanopy white spruce. 2013-harvested by Sanville summer of 2013 under contract # 014-12-01.7/19/23: Updated to non-
	Red Maple	5	Log	3	Re	ed Maple	Medium	Variable	Variable	OI cover type.Trace super canopy white pine.
	Balsam Fir	5	Pole	4	Ва	alsam Fir	Medium	Variable	Variable	
	Black Cherry	1	Log	2	Sug	gar Maple	Medium	Variable	Variable	
	Quaking Aspen	81	Log	3 12						
	Paper Birch	8	Log	2						
206	42200 - Natura	al White P	ine	Sawtimber Poor	4.5	126	51-80	N/A		OPIC - FMD: Cut under contract #019-92-01. W7F3T3W3. The stand
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	has regenerated well to fir, white pine, and tamarack saplings, as well as soft maple stump sprouts. All the saplings are 1-2" in dbh and 8-30'
	White Pine	100		16 126	Ва	alsam Fir	Medium	Variable	Variable	tall, with the fir the tallest followed by tamarack, then white
					Re	ed Maple	Medium	Variable	Variable	pine.7/19/23: Updated to non-OI cover type.White pine overstory.
					WI	hite Pine	High	Variable	Variable	Understory transitioning into pole sized. Very thick good regeneration in understory.
					Ta	amarack	Trace	Variable	Variable	dilucistory.
					Blad	ck Spruce	Medium	Variable	Variable	
207	4130 - 7	Aspen		Sapling Well	37.8	9		N/A		This stand contains a very small gravel pit just south of hardwood stand.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2025)Aspen, red maple, birch, spruce, and fir stand, harvested 12/2016. 2016-Stand cruised and ready for sale. # 32-00916-01 438
	Paper Birch	10	Log	2	Iro	onwood	Low	< 5 feet	< 5 feet	SBW. Cut 12/16,
	Sugar Maple	2	Log	1			<u></u>			
	Black Cherry	2	Log	2						
	Quaking Aspen	76	Log	2 9						
	Balsam Poplar	10	Log	2						



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments	
208	6120 - Lo	wland Ceda	r I	Poletimb	er Well	154.4	133	141-170	N/A	1	Cedar stand with veins of black spruce, tamarack, paper birch, and red	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	maple. For the most part this is very wet and best left intact. (2025)	
	Black Spruce	25	Seedling	7		Re	ed Maple	Low	Variable	Variable	OPIC - FMD: SCA Formerly designated as potential old growth.	
No	rthern White Cedar	57	Seedling	9	133		Alder	Low	5 - 10 feet	5 - 10 feet	Maintain as biodiversiy maintenance area.12/16 Field notes: many low drains throughout this lowland cedar complex. Edges have more	
	Hemlock	1		18		Ta	amarack	Low	Variable	Variable	diversity of lowland conifer and birch, but interior is predominantly cedar,	
	Red Maple	1	Seedling	7		Blad	ck Spruce	Low	Variable	Variable	with tamarack and black spruce patches.	
	Paper Birch	1	Seedling	7		Ba	alsam Fir	Medium	Variable	Variable		
	Tamarack	15	Seedling	7								
209	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	17.8	110	81-110	N/A	Ĺ	OPIC - FMD: Cut permit #12-99-01 in 2000. Stand is on a hill sloping	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	down to Co. Rd 438. Variable stocking northern hardwood stand on knob. Not ready for harvest. Decent sugar maple regeneration pockets.	
	Basswood	10		15		Ва	alsam Fir	Medium	Variable	Variable	Retain for habitat, new clear cuts surrounding this stand. Good birch	
	Paper Birch	5		11		Suç	gar Maple	Medium	10 - 20 feet	10 - 20 feet	component. This stand could be harvested but I believe it would be	
	Red Maple	2		10		Ir	onwood	Low	Variable	Variable	ideal to wait tell next YOE. (2024)	
	Sugar Maple	74		13	110						_	
	Ironwood	1	Seedling	8								
	Quaking Aspen	1		12								
	Balsam Fir	2	Seedling	7								
	Yellow Birch	5		13								
210	413	- Aspen	I	Poletimb	er Well	5.4	85	51-80	N/A	`	OPIC - FMD: Stand is a mix of aspen, fir, and white birch with occasional upland cedar, white pine, and cherry. Regeneration consists of dense fir seedlings and saplings. Terrain is very steep, falling away from the road toward the river. The slope is highly erodible. Retain as biodiversity maintenance area to protect the riparian values of the Little West Branch of the Escanaba River and provide for wildlife travel corridor. 7/19/23: Updated to non-OI cover type.	
212	413	- Aspen	I	Poletimb	er Well	14.5	51	51-80	N/A		OPIC - FMD: Small aspen poles over dense aspen saplings. With scattered fir. Stand contains a large spring in the southwest. 7/19/23: Updated to non-OI cover type.	
214	4130	- Aspen		Sapling	Well	11.8	12	Immature	N/A		Old gravel pit on SE Edge (2025)OPIC - FMD: A5F4M4 The stand	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	is on a higher ridge and drops into the riparian zone. There is an occasional spruce/for pole tree and scattered large basswood and sugar	
	White Spruce	1		11			gar Maple	Low	5 - 10 feet	5 - 10 feet	maple "wolf" trees. The sale prescription will exclude the riparian zone	
	Quaking Aspen	89	Log	3	12		-			1	and retain the large hardwoods. 2012-Sale cut by Minerick under	
	Black Cherry	3	Pole	3							contract # 009-09-01.	
	Balsam Fir	7	Sapling	6								



Stand	Level 4 C	over Type		Size Density	Acres Sta	ınd Age B	A Range	Managed S	Site	General Comments
215	4110 - Sugar N	Maple Assoc	ciation	Poletimber Well	7.3	108	111-140	N/A	Ą	OPIC - FMD: FDF. CUT PRMT.# 10-99-01. FINISHED IN 2001. BA
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy	y Species	Density	Avg. Height	Size	120, 90, 60. Moderate quality NH stand. History of wind damage on south end (south facing slope.). Wait until next entry at least for a
	Sugar Maple	90		9 108	Ironwo	ood	Medium	10 - 20 feet	10 - 20 feet	harvest treatment.
	Basswood	10		12	Balsan	n Fir	Medium	Variable	Variable	
					Balsan	n Fir	Low	Variable	Variable	*
					Leathen	wood	Low	5 - 10 feet	5 - 10 feet	
					Sugar M	/laple	Trace	Variable	Variable	*
					White S	pruce	Low	Variable	Variable	
216	3102	- Grass		None	4.2			Ye	s	See conservation area reviewer app
217	4319 - Mixed	d Upland Fo	prest	Poletimber Well	7.9	63	111-140	N/A	A	OPIC - FMD: A6F4 Stand is made up of individual aspen clones
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy	y Species	Density	Avg. Height	Size	among spruce/fir with occasional mixed hardwood and white birch. Tamarack along the east frindge. Fairly low and wet. There is an old
	White Spruce	25		7	Balsan	n Fir	High	Variable	Variable	stick nest along the east side.
	Quaking Aspen	50		12 63						•
	Balsam Fir	25	Pole	3						
218	6129 - Mixed Conif	erous Lowla	and Forest F	oletimber Medium	9.6	126	141-170	N/A	4	OPIC - FMD: C5S4T4A4B4C7 East side fades to a P type.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canop	y Species	Density	Avg. Height	Size	
	Red Maple	1		9	Balsan	n Fir	Medium	Variable	Variable	
	Quaking Aspen	2		12	Alde	er	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce	15	Sapling	5	Black S	oruce	Low	Variable	Variable	
No	orthern White Cedar	37	Sapling	5 126	Red Ma	aple	Low	10 - 20 feet	10 - 20 feet	
	Balsam Fir	10	Pole	4						
	Paper Birch	15	Sapling	6						
	Tamarack	20		10						
219	4110 - Sugar N	Maple Assoc	ciation	Sawtimber Well	25.6	130	81-110	N/A	4	Trace amount of white spruce and yellow birch in canopy. South half has more sugar maple regeneration. (2025)OPIC - FMD: Nice stand of
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canop	y Species	Density	Avg. Height	Size	predominately sugar maple, with basswood, white birch, and yellow
No	orthern White Cedar	10		11	Sugar M	/laple	Medium	Variable	Variable	birch. Additional species include upland cedar, hemlock, and white
	Basswood	20		13	Balsan	n Fir	Medium	Variable	Variable	spruce. Retain all the minor species ie. basswood, w. birch, cedar,
	Hemlock	1		15	Sugar N	/laple	Medium	< 5 feet	< 5 feet	white pine, hemlock. Regeneration is essentially non-existant. 2009- Stand treated under contract # 008-09-01 by Gartland.
	Sugar Maple	69		11 130	Balsan	n Fir	Low	10 - 20 feet	10 - 20 feet	Stand a saled drider contract // 000-00-01 by Cartain.
					Leathen	wood	Low	< 5 feet	< 5 feet	
					Ironwo	ood	High	Variable	Variable	
220	6220 - A	lder/Willow		None	44.0			No)	

Gwinn Mgt. Unit



Stand	d Level 4 C	over Type	;	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
221	4191 - Mixed Upl Co	and Deciduo onifer	ous with Sa	wtimber	Mediur	n 20.8	64	81-110	N/A	A	OPIC - FMD: Well stocked aspen with spruce, fir and white birch over mostly fir and hazel. Most of the stand is higher except for a low pocket
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	on the east side.Stand is within GEM. Spruce/fir component is only 10 sq. ft. Stand will be monitored and harvested as per GEM plan
	Balsam Fir	20		10		Bal	lsam Fir	Medium	>20 feet	>20 feet	39. It. Stand will be monitored and harvested as per OLIM plan
	Paper Birch	32		8		Whit	e Spruce	Low	>20 feet	>20 feet	
	Quaking Aspen	35		10	64	Blac	k Cherry	Low	5 - 10 feet	5 - 10 feet	
	Hemlock	1	Seedling	6		Haze	Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
	White Spruce	5		12		Sug	ar Maple	Low	>20 feet	>20 feet	
	Sugar Maple	2	Seedling	8							
222	6120 - Lo	wland Ceda	ır S	Sawtimb	er Well	24.0	130	201+	N/A	4	Trace amount of white pine and basswood in canopy. (2025)
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Spruce	2		14		Northern	White Cedar	Trace	< 5 feet	< 5 feet	
No	orthern White Cedar	98		11	130	Bal	lsam Fir	Low	Variable	Variable	
223	4191 - Mixed Upl Co	onifer		wtimber		n 25.9	64	81-110	N/A	A	OPIC - FMD: Well stocked aspen with spruce, fir and white birch over mostly fir and hazel. Most of the stand is higher except for a low pocket on the east side. Stand is within GEM. Spruce/fir component is only 10
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	sq. ft. Stand will be monitored and harvested as per GEM plan
	Red Maple	5	Seedling	5			ar Maple	Low	>20 feet	>20 feet	
	Balsam Fir	20		10			lsam Fir	Medium	>20 feet	>20 feet	
	White Spruce	5		12			k Cherry	Low	5 - 10 feet	5 - 10 feet	
	Paper Birch	32		8			Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
	Hemlock	1	Seedling	6		Whit	te Spruce	Low	>20 feet	>20 feet	
	Quaking Aspen	35		10	64						
224	4110 - Sugar N	Maple Assoc	ciation S	Sawtimb	er Well	5.9	119	81-110	N/A	A	Trace amount of aspen and cedar in canopy. (2025)OPIC - FMD:
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Small hardwood stand along Co. Rd 438. Also contains a few large aspen, basswood and an occasional upland cedar. Cutting will be
	Paper Birch	2		10		Wild Re	d Raspberry	Medium	< 5 feet	< 5 feet	limited to the w. birch and hard maple. Retain the large aspen,
	Basswood	5		14		Bal	lsam Fir	Medium	Variable	Variable	basswood, and cedar. 2012-Stand treated by C.J Logging under
	Sugar Maple	93		11	119	Iro	nwood	Low	Variable	Variable	contract #003-08-01 fall and winter of 2011-2012.
		'				Sug	ar Maple	Medium	Variable	Variable	
						Wh	nite Ash	Trace	Variable	Variable	
					<u></u>					+	



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age B	A Range	Managed S	ite	General Comments
225	6130 - Fir, A	Aspen, Map	ole	Sawtimber Well	7.3	97	81-110	N/A		This stand is falling down. Very diverse stand OPIC - FMD: OI Stand
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Year Origin was 192712/15/2016: Paper birch, aspen aging to over mature. Variety of age classes for fir, spruce. Maple, cherry saplings.
	White Spruce	2		11	Blac	k Cherry	Low	>20 feet	>20 feet	Thatalor valuely of ago staces in m, spiaco maple, shorty capings.
	Tamarack	1		9	Bal	sam Fir	Medium	Variable	Variable	
	Black Cherry	2		10	Quak	ing Aspen	Low	Variable	Variable	
	Red Maple	2	Seedling	8	Red	d Maple	High	Variable	Variable	
	Black Spruce	10		9 97					,	_
	Balsam Fir	15		9						
	Quaking Aspen	45		18 97						
	Black Ash	5	Seedling	6						
Nc	orthern White Cedar	15		11						
	Paper Birch	3		9						
226	330 - Low-I	Density Tree	es	None	17.3			Yes	;	Filling in with cherry, aspen, balsam fir and white spruce. Trace amount of white pine seedlings. Very clumpy, cherry dispersed throughout. (2025)OPIC - FMD: Maintain wildlife opening. Roller-chop to discourage brush and saplings from encroachment. OI Stand Year Origin was
227	4130	- Aspen		Sapling Well	32.2	14	Immature	N/A	1	Trace super canopy maple and hemlock (2025)2015, Stds 40 and
	Canopy Species	% Cover	Size Class	DBH Age						41 - 50 red osier dogwood, 50 serviceberry, 50 magenta crabapples, 50 elderberry, 50 nannyberry, 25 highbush cranberry, 50 sand cherry, 50
	Quaking Aspen	84	Log	2 14						pin cherry, 125 beaked hazelnut, and 25 red oak seedlings were planted
	Black Cherry	3	Log	2						by the Ruffed Grouse Society volunteer group.OPIC - FMD: West of
	Balsam Poplar	2	Log	2						stand 41 but lower and wetter. Conifer content is significant, and transitioning to a spruce/fir stand. Aspen is fairly sparse in areas
	Paper Birch	5	Log	2						Contains a large stick nest in a 16" aspen about 30' up. Summer
	Sugar Maple	1	Log	1						harvest will be required to avoid conflicts with the snowmobile trail. 2010
	Balsam Fir	5	Log	3						Cut by St. John summer of 2010 under contract # 10-09-01. Stand has regenerated to aspen.
228	4110 - Sugar M	laple Assoc	ciation	Sawtimber Well	38.2	120	111-140	N/A		Trace amount of red pine in canopy. Good sugar maple regeneration. Most of the balsam is on the edge of stand. (2025)Great sugar
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	maple regeneration, decent poles. Mostly table-top and north-facing
	cample checies									
	Paper Birch	1	Seedling	9	Leat	herwood	Low	5 - 10 feet	5 - 10 feet	slope. 100 BA overall, more regeneration in west. Wait until next entry
		1 1	Seedling	9 15		herwood e Spruce	Low	5 - 10 feet Variable	5 - 10 feet Variable	to thin.OPIC - FMD: Cut under permit #12-99-01 in 2000. Hardwood
	Paper Birch		Seedling Seedling		Whit					
	Paper Birch Hemlock	1		15	Whit Balsa	e Spruce	Trace	Variable	Variable	to thin.OPIC - FMD: Cut under permit #12-99-01 in 2000. Hardwood
	Paper Birch Hemlock Quaking Aspen	1 1		15 8	Whit Balsa Bal	e Spruce am Poplar	Trace Trace	Variable Variable	Variable Variable	to thin.OPIC - FMD: Cut under permit #12-99-01 in 2000. Hardwood
	Paper Birch Hemlock Quaking Aspen Basswood	1 1 15	Seedling	15 8 15	Whit Balsa Bal Sug	e Spruce am Poplar sam Fir	Trace Trace Low	Variable Variable Variable	Variable Variable Variable	to thin.OPIC - FMD: Cut under permit #12-99-01 in 2000. Hardwood
	Paper Birch Hemlock Quaking Aspen Basswood Yellow Birch	1 1 15 1	Seedling	15 8 15 9	Whit Balsa Bal Sug Bal	e Spruce am Poplar sam Fir ar Maple	Trace Trace Low High	Variable Variable Variable < 5 feet	Variable Variable Variable < 5 feet	to thin.OPIC - FMD: Cut under permit #12-99-01 in 2000. Hardwood



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
229	6112 - Lo	wland Aspe	en	Sapling	Poor	14.4	12 li	mmature	N/A	Λ.	Trace amount of red maple and paper birch in canopy. (2025)OPIC -
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	FMD: Fairly well stocked aspen stand with a good mix of softwood and white birch. Portions of the stand are wetter with more Balm, almost a
	Red Maple	20	Log	2		Tag	g Alder	Medium	5 - 10 feet	5 - 10 feet	"P" type. The aspen is big and mature, average dbh is 12"-14".
	Quaking Aspen	45	Log	2	12						Scattered throughout the stand are large, super-canopy white spruce.
	Balsam Poplar	10	Log	2							Retain all cedar, white pine, and super-canopy spruce. 2012-Sale cut by Minerick under contract # 009-09-01.
	Paper Birch	3	Log	2							
	Black Spruce	2	Log	2							
No	orthern White Cedar	10		9							
	Balsam Fir	10	Pole	4							
230	4130	- Aspen	F	Poletimb	er Well	13.0	34	81-110	N/A	\	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	93	Sapling	6	34	Black	k Cherry	Low	Variable	Variable	
	Balsam Fir	5	Sapling	6		Bals	sam Fir	Low	Variable	Variable	
	Sugar Maple	2	Seedling	7		Red	d Maple	Low	Variable	Variable	
						White	e Spruce	Trace	Variable	Variable	
						Suga	ar Maple	Medium	Variable	Variable	
						Iror	nwood	Trace	Variable	Variable	
						Pape	er Birch	Low	Variable	Variable	
						Amer	rican Elm	Trace	Variable	Variable	
231	4130	- Aspen	F	Poletimb	er Well	28.7	64	81-110	N/A	1	Patches of GEMS timber sale retention. Most balsam fir and saplings
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	standing dead. Smaller and wetter on east side. (2025)
	Black Spruce	2		10		Bals	sam Fir	Low	Variable	Variable	
	Quaking Aspen	98		11	64	Bals	sam Fir	Low	>20 feet	>20 feet	
232	6122 - B	lack Spruce	e Po	letimbe	Mediur	n 5.5	87	51-80	N/A	1	Stand along the river. Leave as buffer. Good cover. Due to its proximity
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	to the river and amount of aspen this should be left as a buffer. (2025)
	Sugar Maple	2	Seedling	8		Northern	White Cedar	Trace	< 5 feet	< 5 feet	
	Quaking Aspen	15		10		Bals	sam Fir	Full	Variable	Variable	
	Paper Birch	5		10		Balsa	m Poplar	Low	Variable	Variable	
	Balsam Poplar	15		14		Тад	g Alder	Medium	5 - 10 feet	5 - 10 feet	
No	orthern White Cedar	10		10		Red	d Maple	Low	Variable	Variable	
	Black Spruce	53	Seedling	8	87			•			-



Stand	Level 4 C	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		General Comments	MICHIGAN							
233	4130	- Aspen		Poletimbe	er Well	9.7	34	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Quaking Aspen	93	Sapling	6	34	Sug	ar Maple	Medium	Variable	Variable		
	Sugar Maple	2	Seedling	7		Blac	k Cherry	Low	Variable	Variable		
	Balsam Fir	5	Sapling	6		Bal	sam Fir	Low	Variable	Variable	*	
					_	Whit	e Spruce	Trace	Variable	Variable		
						Re	d Maple	Low	Variable	Variable	*	
						Iro	nwood	Trace	Variable	Variable		
						Ame	rican Elm	Trace	Variable	Variable		
						Pap	er Birch	Low	Variable	Variable		
234	6139 - Mixed	Lowland Fo	orest S	awtimber	Mediun	n 16.2	64	1-50	N/A		This is primarily a buffer stand along the river. Aspen is break	ing up.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Quaking Aspen	35		14	64	Bal	sam Fir	High	Variable	Variable		
	Tamarack	3		10		Та	g Alder	High	5 - 10 feet	5 - 10 feet		
	Black Cherry	2	Seedling	6		Quak	ing Aspen	Low	Variable	Variable		
	Black Spruce	50		10	64	Re	d Maple	Low	Variable	Variable		
	Paper Birch	3		8								
	Red Maple	2	Seedling	8								
	White Spruce	5		12								
236	3102	- Grass		Non	е	1.8			Yes	3	Some encroachment from cherry and tamarack	
237	4130	- Aspen		Poletimbe	er Well	16.9	34	81-110	N/A	<u> </u>	Trace amount of black ash in canopy. (2025)	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Balsam Poplar	23	Sapling	6			g Alder	Trace	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	70	Sapling	6	34	Whit	e Spruce	Low	Variable	Variable		
	Balsam Fir	6	Seedling	5		Bla	ick Ash	Trace	Variable	Variable		
	White Spruce	1	Seedling	7		Re	d Maple	Low	Variable	Variable		
						Blac	k Cherry	Low	Variable	Variable		
						Sug	ar Maple	Trace	Variable	Variable		
						Bal	sam Fir	Low	Variable	Variable		
						Balsa	ım Poplar	Low	Variable	Variable		
238	3102	- Grass		Non	е	2.2			Yes	;	2015 - planted 10 dolgo crabapples.	

Year of Entry: 2027

Compartment: 51

Stand	nd Level 4 Cover Type Size Density Acres Stand Age BA Range Managed		ite	General Comments						
239	4112 - Maple, Beech	n, Cherry A	ssociation	Sawtimber V		3.9 187	111-140	N/A	A	OPIC - FMD: Occasional large white spruce, hemlock, and white birch. There are a few very large (over 24" dbh) hard maple remnants in the
	Canopy Species	% Cover	Size Class	DBH A	je Su	b-Canopy Species	Density	Avg. Height	Size	eastern part of the stand.
	Yellow Birch	3	Seedling	5		Sugar Maple	Medium	Variable	Variable	
	Sugar Maple	54		11 18	37					
	White Spruce	2		14						
	Hemlock	1		10						
	Basswood	10		10						
	Red Maple	30		12						
240	4130 -	Aspen		Sapling W	ell 1	6.1 21 1	mmature	N/A	١	Trace amount of super canopy cedar and sugar maple. Trace amount of
	Canopy Species	% Cover	Size Class	DBH A	je Su	b-Canopy Species	Density	Avg. Height	Size	tamarack and white spruce in canopy. (2025)The two-track road that is in this stand was planted to clover in 2015. OPIC - FMD: A5F4M4
	Sugar Maple	2	Pole	3		Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Occasional cedar. Aspen is good sized and healthy. Almost all of the
	Balsam Fir	10	Pole	4		Black Cherry	Low	Variable	Variable	spruce are large, super-canopy trees. Retain cedar and the large
	Quaking Aspen	77	Pole	3 2	1	Sugar Maple	Low	5 - 10 feet	5 - 10 feet	spruce. 2009-Stand treated under contract # 008-09-01 by Gartland. Sapling stand, A3 with some spruce and cedar retention. Hunter
	Paper Birch	1	Pole	3		White Ash	Trace	Variable	Variable	walking trail north side of stand.
	Bigtooth Aspen	10	Pole	3						3
241	4130 -	4130 - Aspen		Poletimber V	Vell 4	0.1 30	51-80	N/A		Trace amount of tamarack and red pine in canopy. 1 lower pocket present (2025). The two-track road that is in this stand was planted to
	Canopy Species	% Cover	Size Class	DBH A	je Su	b-Canopy Species	Density	Avg. Height	Size	present (2025). The two-track road that is in this stand was planted to clover in 2015. OPIC - FMD: Cut 2002 permit #11-99-01 LaFleur.
	White Spruce	1	Pole	4		Balsam Fir	Low	Variable	Variable	Has regenerated nicely.12/20/2016: Good stocking aspen sapling
	Black Cherry	5	Sapling	5		Red Maple	Medium	Variable	Variable	stand.
	Red Maple	5	Sapling	6		White Spruce	Trace	5 - 10 feet	5 - 10 feet	
	Paper Birch	1	Pole	3		Black Cherry	Medium	Variable	Variable	
	Quaking Aspen	81	Sapling	5 3	0	Sugar Maple	Low	Variable	Variable	
No	rthern White Cedar	2		10					1	_
	Balsam Fir	5	Pole	4						
242	6120 - Low	land Ceda	r	Poletimber V	Vell 9	4.8 142	111-140	N/A	Λ	OPIC - FMD: C6C7 over swamp conifers and tag alder 12/20/2016:
	Canopy Species	% Cover	Size Class	DBH A	je Su	b-Canopy Species	Density	Avg. Height	Size	Larger log cedar on edge, sloping to low, 2-stick poles in center of stand. Too wet site condition-muck soils. Nice yellow birch regen on
	Black Spruce	5	Seedling	7		Alder	Low	5 - 10 feet	5 - 10 feet	edges.
No	rthern White Cedar	93		8 14	2	Balsam Fir	Medium	Variable	Variable	
	Yellow Birch	1	Seedling	7						-
	Red Maple	1	Seedling	7						
243	6120 - Low	land Ceda	r	Sawtimber V	Vell 1	0.3 114	201+	N/A	٨	
	Canopy Species	% Cover	Size Class	DBH A	je Su	b-Canopy Species	Density	Avg. Height	Size	
	Black Spruce	5		9		Balsam Fir	Medium	Variable	Variable	
	Paper Birch	3	Seedling	8		Black Spruce	Low	Variable	Variable	
No	rthern White Cedar	87		12 11	4					_
	Yellow Birch	2		40						
				12						

Gwinn Mgt. Unit



Stand		over Type		Size Density	Acres	Stand Age E	A Range	Managed S	ite	General Comments	
244	4134 - Asp	en, Spruce/F	=ir	Poletimber Well	38.1	64	111-140	N/A		OPIC - FMD: Healthy aspen stand with scattered fir poles.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Balsam Fir	25		8	Sug	gar Maple	Low	Variable	Variable		
	Black Cherry	5	Pole	4	Ва	alsam Fir	Medium	Variable	Variable		
	Quaking Aspen	65		10 64							
	Red Maple	5	Seedling	8							
245	4134 - Asp	en, Spruce/F	=ir	Poletimber Well	21.7	64	111-140	N/A		OPIC - FMD: Healthy aspen stand with scattered fir poles.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Black Cherry	5	Pole	4	Suç	gar Maple	Low	Variable	Variable		
	Quaking Aspen	65		10 64	Ва	alsam Fir	Medium	Variable	Variable		
	Red Maple	5	Seedling	8						-	
	Balsam Fir	25		8							
246	330 - Low-	Density Tree	es	None	2.2			Yes		Opening filling in with cherry, balsam and red maple. North end almost filled in. (2025)OPIC - FMD: Narrow opening filling in.	
247	6120 - Lo	wland Ceda	r	Poletimber Well	354.7	160	171-200	N/A		Very wet stand. Trace amounts of hemlock, balsam poplar and paper	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	birch in the canopy. (2025)Very wet. Potential harvest only drought or deep freeze to muck. Edges may be harvested before deep wet	
	Black Spruce	2		9	Pa	per Birch	Trace	Variable	Variable	mucks. Slopes to low. Observed west end near stand 66 too, very wet,	
No	orthern White Cedar	96		6 160	Ва	alsam Fir	Medium	Variable	Variable	alder here. Trail not passable.South end trail to 37 could not find,	
	Tamarack	2		9		Alder	Low	5 - 10 feet	5 - 10 feet	overgrown .	
248	4110 - Sugar N	/laple Assoc	iation	Sawtimber Well	4.3	104	141-170	N/A		Trace amount of yellow birch (2025)OPIC - FMD: This stand drops	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	quickly to a large cedar swamp on the west with a fringe of spruce/fir on the east fading to a natural opening. Scattered upland cedar and yellow	
	Red Maple	10		12	Ва	alsam Fir	Low	Variable	Variable	birch throughout.	
No	orthern White Cedar	2		14							
	Sugar Maple	85		12 104							
	White Spruce	1		12							
	Hemlock	1		14							
	Balsam Fir	1	Seedling	8							
249	3102	- Grass		None	8.2			Yes		Bam encroaching on edges. Balsam fir, spruce, cherry, and maple filling in. (2025)2015 - Planted 17 chestnut crabapples and 18 whitney crabapples with enclosures in this opening. OPIC - FMD: Narrow natural opening with scattered spruce/fir.Planted saplings doing well, over-topped fences. White pine, fir open growing. Fern, grass, berry mix.	

Compartment: 51 Year of Entry: 2027 DNR MICHIGAN

Stand Level 4 Co		ver Type		Size Density A			ty Acres Stand Age BA Range Managed Site				General Comments		
250	4130 -	Aspen	Po	oletimber	Medium	16.8	32	51-80	N/A	A	OPIC - FMD: CUT UNDER PERMIT 36-89-1 Aspen is 1-2" in diameter, 10-20' tall.	Aspen is 1-2" in	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	diameter, 10-20' tall.		
	Red Maple	1		12		Bals	sam Fir	Low	Variable	Variable			
	Black Cherry	1	Seedling	7		Red	d Maple	Low	Variable	Variable			
	Quaking Aspen	61	Sapling	6	32	Suga	ar Maple	Low	Variable	Variable			
	Balsam Fir	10	Seedling	7		Balsa	m Poplar	Low	Variable	Variable			
	Paper Birch	2	Seedling	5		A	Alder	Low	5 - 10 feet	5 - 10 feet			
	Balsam Poplar	25	Seedling	5		Suga	ar Maple	Medium	< 5 feet	< 5 feet			
				·		Hazelı	nut (Spp.)	Low	5 - 10 feet	5 - 10 feet			
251	4199 - Other Mixed	d Upland D	eciduous	Sapling	Well	24.1	32 lı	mmature	N/A	A	OPIC - FMD: CUT UNDER PERMIT 36-89-1 diameter, 10-20' tall.Stand is decently wet. Tra	Aspen is 1-2" in	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	pine and cedar in canopy. Emerging pole stand		
	Quaking Aspen	15	Sapling	6		Red	d Maple	Medium	5 - 10 feet	5 - 10 feet		(====)	
	Hemlock	5		16		Bals	sam Fir	Low	Variable	Variable			
	Red Maple	35	Pole	4	32	Suga	ar Maple	Trace	5 - 10 feet	5 - 10 feet			
	Tamarack	1	Seedling	6		Northern	White Cedar	Trace	< 5 feet	< 5 feet			
	Paper Birch	5	Sapling	5		Bla	ck Ash	Trace	Variable	Variable			
	Balsam Poplar	25	Pole	4		A	Alder	Low	5 - 10 feet	5 - 10 feet			
	Balsam Fir	10		5									
	White Spruce	1	Pole	4									
	Black Spruce	2	Seedling	6									
	Black Cherry	1	Pole	4									
252	6225	- Bog		Nor	ne	2.8			No)			
253	6120 - Low	/land Ceda	ır l	Poletimb		46.2	132	111-140	N/A	4	Stocking is variable. Trace amount of tamaract	k. (2025)	
	Canopy Species		Size Class		Age	Sub-Can	opy Species	Density	Avg. Height	Size			
No	orthern White Cedar	60		9	132	A	Alder	High	5 - 10 feet	5 - 10 feet			
	Paper Birch	5		10		Quaki	ng Aspen	Trace	Variable	Variable			
	Quaking Aspen	10		10		Bals	sam Fir	High Variable Variable		Variable			

Black Spruce

25

Seedling

6

Stand	nd Level 4 Cover Type Size Density		ensity Acres Stand Age BA Range Managed Site					General Comments			
254	4136 - Aspen	n, Mixed Co	nifer	Saplin		18.6	2		N/A	A	OPIC - FMD: Aspen poles and saplings with fir, jack pine, spruce poles and scattered white pine sawtimber over fir, red and white pine, and jac
	Canopy Species		Size Class		l Age						pine seedlings and saplings. The stand is fully stocked and just starting
	Red Pine	3		16							to transition from a sapling stand to a pole stand.7/19/23: Updated to
	White Pine	1	Log	2							non-OI cover type.Trace amount of jack pine and paper birch. 2024
	Red Pine	1	Log	2							
	Black Spruce	1	Log	1							
	Quaking Aspen	52	Log	1	2						
	Balsam Fir	15	Log	1							
	White Pine	7		16							
	Red Maple	20	Log	1							
255	4110 - Sugar M	/laple Asso	ciation	Poletimb		8.7	64	111-140	N/A	A	OPIC - FMD: Small patch of primarily sugar maple. Site quality is goo to tregeneration from the last cutting is essentially non-existant except
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	for a few fir and ironwood. Stand 66 is very similar.
	Sugar Maple	95		10	64	Ва	ılsam Fir	Low	Variable	Variable	·
	Quaking Aspen	5		14		Lea	therwood	Low	5 - 10 feet	5 - 10 feet	
256	4112 - Maple, Beed	ch, Cherry A	Association	Poletimb	er Well	7.5	187	111-140	N/A	4	Chapter 7 approved and filed on 5/24/19 to treat this stand out of YOE with adjoining stand 255. Average of 130+ BA. South and east edge o
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	the stand is dense to maple saplings and sparse small sawlog sized trees, sapling area was excluded from treatment.OPIC - FMD: Small
	Yellow Birch	5		10		Suç	gar Maple	Medium	10 - 20 feet	10 - 20 feet	
	Balsam Fir	5	Sapling	6		Ва	ılsam Fir	Medium	Variable	Variable	patch of primarily sugar maple. Site quality is good, but regeneration from the last cutting is essentially non-existant except for a few fir and
	Red Maple	30		12		Re	ed Maple	Low	10 - 20 feet	10 - 20 feet	Trom the last cutting is essentially non-existant except for a few fit and ironwood. There is a frindge of M3 possibly from an old wildlife cutting
	Sugar Maple	60		12	187						which occurred in the 70's?West side stocked better, but east and south sparse stocking. Good sapling recruitment on east side of stand Access trail has deep ruts, holding water. Trail heading east out of
											stand very wet, impassable now.
257	4130	- Aspen		Poletim	er Well	40.9	64	81-110	N/A	4	OPIC - FMD: Nice aspen with scattered fir poles. Hunter walking trail within the stand. Last mowed in 1989. Lots of downed trees across the
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	trail.
	White Spruce	3		14		Ва	ılsam Fir	Medium	Variable	Variable	
	Balsam Fir	5		8							
	Quaking Aspen	90		12	64						
No	orthern White Cedar	2		10							
258	4130	- Aspen		Poletimb	er Well	24.8	64	81-110	N/A	4	OPIC - FMD: Nice aspen with scattered fir poles. Hunter walking trail
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	within the stand. Last mowed in 1989. Lots of downed trees across the
No	orthern White Cedar	2		10		Ва	lsam Fir	Medium	Variable	Variable	†
	Quaking Aspen	90		12	64			1			_
	White Spruce	3		14							
	Balsam Fir	5		8							
259	3102	- Grass		No	ne	2.8			No)	Opening filling in with BAM, aspen, and balsam fir. (2025)2015 -



Stand	Level 4 C	I 4 Cover Type		Size Density	Acres	Acres Stand Age BA Ra		BA Range Managed Site		General Comments		
260	4199 - Other Mixe	d Upland D	eciduous	Sapling Poor	1.5	20	1-50	N/A		This stand was an opening but is has grown in. Wildlife planted — crabapple trees here. This stand currently has a treatment to restore this		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	stand to an opening. As is, this stand no longer meets the criteria of an		
	Balsam Fir	10	Pole	3	Wild R	led Raspberry	Medium	< 5 feet	< 5 feet	opening, i.e., canopy closure above 25%. 2015 - planted 5 dolgo		
	Balsam Poplar	80	Log	2 20						crabapples with enclosures.		
	Quaking Aspen	10	Pole	3 5								
261	4110 - Sugar N	/laple Asso	ciation	Sawtimber Well	7.4	120	111-140	N/A		This was once part of a bigger stand but much of it is now in an MWR stand. West edge has some lower ground and is a little more diverse.		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	(2025)OPIC - FMD: Thinned Dec, 1997 - June, 1998 Tri-Forestry		
	Sugar Maple	70		13 120	Su	gar Maple	Medium	Variable	Variable	permit #16-97-01 "Perrin Camp Sale". Also C32-382: TSI removing		
	Paper Birch	2		11	В	alsam Fir	Low	Variable	Variable	ironwood and some marked trees completed in Dec, 1981. Nice timber		
	Basswood	15		15	Su	gar Maple	Low	< 5 feet	< 5 feet	quality here and is sawlog size. Lower elevation along clearcut trees show some dieback from possible soil compaction during last harvest		
	Red Maple	3		13	lı	ronwood	Low	Variable	Variable	but most of the stand is healthy and good quality. Some higher BA areas		
	White Pine	2		18						but crown room in most areas. M3 gaps from 1970s harvest 2-4 inches		
	Yellow Birch	3		12						dbh. New M3 regeneration is 3-4' tall and is mostly in the west part of stand. Some feeding by deer but seedlings may escape. Some scarlet		
No	orthern White Cedar	5		10						elderberry on landings. 2015: regeneration in west part of stand is now		
										10' + range.		
262	4134 - Asp	en, Spruce/	Fir	Poletimber Poor	3.1	20	1-50	N/A		This was two opening separated by a patch of older trees. Multiple ages present both openings are now forested, and this stand serves as		
	Canopy Species	% Cover	Size Class	DBH Age						present both openings are now forested, and this stand serves as retention for larger surrounding aspen stand timber sale Patches of		
	Balsam Poplar	40	Seedling	6 20						GEMS. (2025)		
	Quaking Aspen	10		12 64								
	Balsam Fir	20	Pole	4								
	Quaking Aspen	30	Pole	4 20								
263	4134 - Asp	en, Spruce/	Fir	Poletimber Well	46.6	54	81-110	N/A		OPIC - FMD: A6 over A3/F2. Stand is well stocked with 3-4 stick poles.		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	2015-4-6 stick aspen with 4 stick fir over F3. Schedule harvest according to GEMS plan.		
	Bigtooth Aspen	40		10	В	alsam Fir	High	Variable	Variable			
	Balsam Fir	20		9						_		
	Quaking Aspen	40		10 54								
264	4119 - Mixed No	orthern Hard	dwoods	Poletimber Well	9.9	42	81-110	N/A		OPIC - FMD: Cut heavily in 1982. Lots of stump sprouting has resulted		
	Canopy Species	% Cover	Size Class	0	Sub-Ca	anopy Species	Density	Avg. Height	Size	in a large number of twins and triplets. Avg. dbh is 6"-7" with very dense		
	Sugar Maple	65	Sapling	6 42	Su	gar Maple	Medium	>20 feet	>20 feet	density hardwood poles but marginal quality. Aspen clone within should		
	Red Maple	10		10 108	В	alsam Fir	Medium	Variable	Variable	be harvested to promote regeneration. Good representation of yellow		
	Hemlock	5		12	R	ed Maple	Medium	>20 feet	>20 feet	birch, paper birch, cherry too.		
	Paper Birch	1	Pole	4			'			_		
	Black Cherry	2	Sapling	6								
	Yellow Birch	2	Pole	4								



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
265	4110 - Sugar N	/laple Assoc	ciation	Sawtimber Well	23.4	108	111-140	N/A	A	Good sugar maple recruitment throughout, but high intensity browse on
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	high knobs. Medium quality sawtimber, needs selection cut for quality improvement.
	Basswood	15		14	Iro	onwood	Low	10 - 20 feet	10 - 20 feet	Improvement.
	Yellow Birch	2		14	Sug	jar Maple	Low	5 - 10 feet	5 - 10 feet	
	Sugar Maple	83		12 108						_
266	4191 - Mixed Upla Co	and Decidu	ous with	Poletimber Poor	7.8	43	1-50	N/A	A	Some older trees mixed in but for the most part it's fallen out. (2025)
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	30	Seedling	7	Sug	jar Maple	Low	Variable	Variable	
	Red Maple	50	Seedling	6 43	Ва	lsam Fir	Medium	Variable	Variable	
	Black Spruce	5	Seedling	7	Re	d Maple	High	Variable	Variable	
	Paper Birch	15		9						
267	6117 - Lowland Con	Deciduous, iferous	Mixed	Sapling Well	8.8	23 I	mmature	N/A	A	This was an experimental cut. Cedar is starting to seed in after almost 30 years. (2025)
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Log	3	Northerr	White Cedar	Low	< 5 feet	< 5 feet	
	Black Ash	1	Log	3	Ва	lsam Fir	Medium	Variable	Variable	
	Tamarack	25	Log	3		Alder	High	5 - 10 feet	5 - 10 feet	
Not	rthern White Cedar	5	Seedling	8	Blad	ck Spruce	Low	Variable	Variable	
	Balsam Poplar	39	Log	3 23						
	Paper Birch	15	Log	3						
	Black Spruce	10	Log	3						
269	4115 - Y.Birc			Sawtimber Well	16.2	112	171-200	N/A	A	Balsam fir falling out. Red maple range from poles to XL logs. Red naple filling in areas as trees fall out.
	Canopy Species		Size Class	DBH Age		nopy Species	Density	Avg. Height	Size	Thapto mining in areas as tross rail sat.
	Yellow Birch	10		16		jar Maple	Low	Variable	Variable	
	White Pine	1		25		nite Pine	Trace	Variable	Variable	
	Red Maple	73		12 112		emlock	Low	< 5 feet	< 5 feet	
	Hemlock	16		16		d Maple	Low	Variable	Variable	
						lsam Fir	Medium	Variable	Variable	
					Whi	te Spruce	Low	Variable	Variable	
270	6224 - 7	Treed Bog		None	10.7			No)	OPIC - FMD: Old beaver flooding.Some small tamarack saplings and seedlings. Very wet (2025)



Stand	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments								
271 [′]	42350 - Uplan	d Hemloo	ck	Sawtimb		7.6	130	141-170	N/A		In areas where basal area is lower balsam fir saplings are very thick. ¬ (2025)	
Canopy	Species %	6 Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2023)	
Northern Wh	nite Cedar	5		10		Ва	lsam Fir	High	Variable	Variable		
Black Sp	pruce	3	Seedling	9		Н	emlock	Low	< 5 feet	< 5 feet		
Hemlo	ock	55		17	130	Blad	ck Spruce	Trace	Variable	Variable		
Red Ma	aple	30		17								
White I	Pine	5		20								
Yellow I	Birch	2		9								
. 72 4119	- Mixed North	ern Hard	woods	Poletimb	er Well	10.0	70	81-110	N/A		Red maple pole stand with a distinct older cohort of pine, hemlock,	
Canopy	Species %	6 Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cedar, and yellow birch. This stand had a lot of balsam fir, but it has a fallen out or is standing dead.	
White I	Pine	1		15		Iro	onwood	Low	Variable	Variable		
Black Sp	pruce	1	Seedling	5		Re	d Maple	Medium	Variable	Variable		
Red Ma	aple	62		8	70	Ва	lsam Fir	Low	Variable	Variable		
Hemlo	ock	5		18	130						-	
Yellow I	Birch	1		8								
Northern Wh	nite Cedar	5		13	187							
Paper E	Birch	25		8								
	Maple, Beech,			Sawtimb		6.4		171-200	N/A		OPIC - FMD: SCA Formerly designated as potential old growth. Very remote island of hardwood surrounded by cedar swamp complex.	
	•		Size Class		Age		nopy Species	Density	Avg. Height	Size	Contains a few upland cedar in the stand. Maintain as biodiversiy	
Red Ma	•	65		12	103		Isam Fir	Low	Variable Variable	Variable	maintenance area.Can access this stand through old swamp road. Poor quality hardwood.	
Sugar M Yellow I		20 5		9			ed Maple ed Maple	Low	>20 feet	Variable >20 feet	Tool quality hardwood.	
Paper E		2	Coodling	9			te Spruce		Variable	Variable		
· · · · · · · · · · · · · · · · · · ·		1	Seedling	13		VVIII	te Spruce	Trace	Variable	Variable		
Balsam F	•	2		12								
Northern Wh		5		18								
				10								
., .	136 - Aspen, M			Poletimb		23.3	30	51-80	N/A		Trace amount of cherry poles. Spruce slightly older as it was advance ¬ regeneration and designated for protection when stand was last cut.	
	•		Size Class		Age		nopy Species	Density	Avg. Height	Size	Split off NE area of stand as spruce area is large and dense enough t	
Balsam F	•	10	Sapling	5			d Maple	High	5 - 10 feet	5 - 10 feet	be its own stand. Basal area variable. (2025)OPIC - FMD: CUT	
White I		1 -		10			Isam Fir	Medium	Variable	Variable	PERMIT 32-89-01; Semi open with clumps of spruce/fir. Decent as regeneration on the west side	
Balsan		5	Sapling	6		Bla	ck Cherry	Trace	Variable	Variable		
Black Sp		5	Seedling	7								
Red Ma	-	20	Pole	3								
Quaking A	-	50	Seedling	6	30							
Northern Wh		5	Seedling	9								
Tamar	ack	4	Sapling	5								
Tamar		4	Sapling		ne	6.4			Yes		Filling in with cherry, tamarack, white pine, balsam fir, black	



Stand	Stand Level 4 Cover Type	Size Density	Acres Stand Age BA Range		Managed S	Site	General Comments			
276	3102	- Grass		None	2.2			Ye	s	Opening filling in with large white spruce, red maple, small cherry, and 1 large white pine. Last cleared in the late 90s.
278	4110 - Sugar N	/laple Assoc	ciation	Sawtimber Well	32.0	187	111-140	N/A	4	OPIC - FMD: Mixed hardwood stand treated under permit #018-97-01.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Good scattering of large hemlock.
	Sugar Maple	88		10 187	Su	gar Maple	Low	Variable	Variable	
	White Spruce	1		14	Ва	alsam Fir	Low	5 - 10 feet	5 - 10 feet	
	Yellow Birch	5		14						
	Red Maple	4		12						
	Hemlock	1		10						
Noi	rthern White Cedar	1	Seedling	8						
279	4130	- Aspen		Poletimber Well	28.2	36	51-80	N/A	4	NE corner has lower spot with less aspen mixed with spruce and fir.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trace amount of sugar maple in the canopy. (2025)
	Quaking Aspen	50	Seedling	8 36	Ва	alsam Fir	High	10 - 20 feet	10 - 20 feet	
	Bigtooth Aspen	40	Seedling	8	Wh	ite Spruce	Low	Variable	Variable	
	Balsam Fir	5	Seedling	7	Haze	elnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	3	Seedling	6	Su	gar Maple	Low	Variable	Variable	
	Black Spruce	2	Seedling	7	Re	ed Maple	Low	Variable	Variable	
					Ir	onwood	Low	Variable	Variable	
					Su	gar Maple	Medium	< 5 feet	< 5 feet	
					Bla	ck Spruce	Low	Variable	Variable	
					Ва	alsam Fir	High	Variable	Variable	
280	3102	- Grass		None	6.4			Ye	S	
281	6120 - Lov	wland Ceda	r F	Poletimber Medium	າ 31.1	138	1-50	N/A	4	Old aspen falling down. Various ages filling in. (2025)OPIC - FMD: ¬ SWAMP ALONG W.BRANCH ESCANABA RIVER. Retain as SCA
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	riparian area.
	Paper Birch	2	Seedling	8	Su	gar Maple	Trace	Variable	Variable	· · · · · · · · · · · · · · · · · · ·
	Balsam Poplar	2	Seedling	7	Re	ed Maple	High	Variable	Variable	
No	rthern White Cedar	51		9 138	Qua	king Aspen	Medium	10 - 20 feet	10 - 20 feet	*
	Balsam Fir	10	Seedling	9	Bla	ck Spruce	Low	Variable	Variable	
	Black Ash	10	Seedling	8	Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce	5		9	Ва	alsam Fir	High	Variable	Variable	
	Red Maple	5	Seedling	8	Bals	am Poplar	Low	10 - 20 feet	10 - 20 feet	*
	Quaking Aspen	15		15 80			1		1	1



Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
282	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	45.2	187	111-140	N//	4	OPIC - FMD: High site quality. Stand is predominantly sugar maple and
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	basswood with an occasional white birch and upland cedar. Transitioning to M9. Only a few regen gaps from previous treatment
	Sugar Maple	90		10	187	Blackbe	rry/Raspberry	Medium	5 - 10 feet	5 - 10 feet	but those gaps have good regeneration. Marking will be limited to sugar
	Basswood	8		13		Lea	therwood	Low	5 - 10 feet	5 - 10 feet	maple stems, retaining all the minor species ie. basswood, w. birch,
	Paper Birch	2	Seedling	8		Sug	gar Maple	Low	>20 feet	>20 feet	cedar, white pine, hemlock. 2009-Stand treated under contract # 008-09-01 by Gartland.
				,		Whi	te Spruce	Low	5 - 10 feet	5 - 10 feet	oo or by Cartaina.
						Iro	onwood	Low	10 - 20 feet	10 - 20 feet	
283	4130	- Aspen		Poletimb	er Well	5.4	34	51-80	N/A	4	OPIC - FMD: A3 2" dbh, 25-30' tall. 12/2016: Aspen stand 3" DBH.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Sugar maple regeneration patches.
	Quaking Aspen	99	Sapling	7	34	Sug	gar Maple	High	Variable	Variable	
	Paper Birch	1	Sapling	6		Ва	ılsam Fir	Trace	Variable	Variable	
284	4130 - Aspen			Poletimb	er Well	I 20.7 22		51-80	N/A		Trace amount of red maple in canopy. Sugar maple saplings thicker
	Canopy Species	% Cover Size Class		s DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	adjacent to hardwood stand. (2025)OPIC - FMD: Cut 2002 permit#11-99-01 LaFleur.
	Balsam Fir	3	Seedling	8		Sug	gar Maple	Medium	Variable	Variable	porman i do di Lariodi.
	Sugar Maple	5	Seedling	8		Ta	ag Alder	Trace	5 - 10 feet	5 - 10 feet	
	White Spruce	2		10		Ame	erican Elm	Trace	Variable	Variable	
	Quaking Aspen	70	Sapling	6	22	Ва	ılsam Fir	Low	Variable	Variable	
	Bigtooth Aspen	10	Seedling	6		W	hite Ash	Trace	Variable	Variable	
	Balsam Poplar	10	Sapling	6		Iro	onwood	Low	Variable	Variable	
						Blad	ck Cherry	Trace	Variable	Variable	
285	4130	- Aspen		Poletimb	er Well	16.0	22	51-80	N/A	A	Trace amount of red maple in canopy. (2025)Cut in 2002 permit #:
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	TIT-99-01 La Fieur.
	White Spruce	2		10		Che	erry (spp.)	Trace	Variable	Variable	
	Quaking Aspen	70	Sapling	6	22	W	hite Ash	Trace	Variable	Variable	
	Balsam Fir	3	Seedling	8		Ta	ag Alder	Trace	5 - 10 feet	5 - 10 feet	
	Sugar Maple	5	Seedling	8		Ва	ılsam Fir	Low	Variable	Variable	
	Balsam Poplar	10	Sapling	6		Iro	onwood	Low	Variable	Variable	
	Bigtooth Aspen	10	Sapling	6		Sug	gar Maple	Medium	Variable	Variable	
						Ame	erican Elm	Trace	Variable	Variable	

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Stand	Level 4 C	over Type		Size Density Acres Stand Age BA Range Managed Site		General Comments					
286	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	65.8	111	111-140	N/A	4	Trace amount of elm, paper birch, and black ash in canopy. [2025]OPIC - FMD: Thinned in 1989 by Gazan. Little hardwood
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regeneration but lots of leatherwood. 2009- sale treated by Heidtman
	Quaking Aspen	1	Seedling	8		BI	ack Ash	Low	Variable	Variable	Logging in Oct-Dec. 2008 under permit # 020-07-01. 2015-leeks, 4"-6"
	Basswood	25		16		Whi	te Spruce	Low	Variable	Variable	sugar maple seedlings on floor. High site quality.
	Sugar Maple	74		13	111	Lea	therwood	Low	5 - 10 feet	5 - 10 feet	
						Wild Re	ed Raspberry	Low	5 - 10 feet	5 - 10 feet	
						Sug	gar Maple	High	< 5 feet	< 5 feet	
						Iro	onwood	Medium	Variable	Variable	
						Ва	ılsam Fir	Medium	Variable	Variable	
						Sug	gar Maple	Low	5 - 10 feet	5 - 10 feet	
						W	hite Ash	Trace	Variable	Variable	
287	4191 - Mixed Upl Co	and Decidu	ous with	Sawtimb	er Well	10.8	70	51-80	N/A	4	Borders W. Branch of the Escanaba River. Retain as wildlife travel corridor and riparian buffer.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Spruce	5		9		BI	ack Ash	Low	Variable	Variable	
	Quaking Aspen	5		11		Ва	ılsam Fir	High	Variable	Variable	
	Black Ash	2	Seedling	8		Bla	ck Cherry	Low	Variable	Variable	
	Balsam Fir	30	Seedling	7		Sug	gar Maple	Trace	Variable	Variable	
	Balsam Poplar	48		11	70	Bla	ck Cherry	Low	Variable	Variable	
	Sugar Maple	10		11		Wild Re	ed Raspberry	High	< 5 feet	< 5 feet	
				,		Bals	am Poplar	Low	Variable	Variable	
288	6120 - Lo	wland Ceda	ır f	Poletimb	er Poor	5.5	75	1-50	N/A	4	Small trees maybe 1 stick in areas.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	95	Pole	4	75	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	5	Pole	4		Northerr	n White Cedar	Medium	< 5 feet	< 5 feet	
						Ta	marack	Low	Variable	Variable	
					L	Ca	ttail spp.	High	Not Applicable	Not Applicabl	ŧ
289	6120 - Lo	wland Ceda	ır I	Poletimb	er Well	2.2	131	81-110	N/A	4	OPIC - FMD: WELL-STOCKED,SOME BLOWDOWN 2015-cedar with associated swamp conifers, Deer yard
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	associated swamp conners, Deer yard
Noi	rthern White Cedar	98	Seedling	9	131	Ва	ılsam Fir	Medium	Variable	Variable	
	Black Spruce	2	Seedling	8		Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
290	330 - Low-	Density Tre	es	No	ne	3.3			Ye	s	Opening filling in with bam, aspen, white pine, and cherry
291	4130	- Aspen	1	Poletimb		5.1	48	81-110	N/A	4	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Seedling	7		Bla	ck Cherry	Low	Variable	Variable	
	Quaking Aspen	95		9	48	Ва	lsam Fir	Low	Variable	Variable	
						Iro	onwood	Medium	Variable	Variable	



Stand	Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		te	General Comments					
292	429 - Mixed U		ifers Size Class	Sapling Medium DBH Age		12	Immature	N/A		OPIC - FMD: Upland black spruce with scattered white pine sawtimber. Most of the fir is dead and down. Stand contains a soft maple
	Tamarack	5	Log	1						component but less than 10 ba. Small pocket of D within the stand. 2013-harvested by Sanville summer of 2013 under contract # 014-12-
	Black Cherry	5	Log	1						01.7/19/23: Updated to non-OI cover type.Super canopy white pine
	Red Maple	20	Log	1						present.
No	orthern White Cedar	5	Seedling	8						
	White Pine	10		16						
	White Pine	24	Log	1 12						
	Balsam Fir	30	Log	2 12						
	Paper Birch	1	Log	1						
293	4130	- Aspen		Poletimber Well	34.8	31	Immature	N/A		OPIC - FMD: Cut in 1993 under contract # 17-92-01. 2-4" aspen
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	saplings over small fir and pockets of jack pine. 7/19/23: Updated to non-Ol cover type.
	Balsam Fir	10	Seedling	6	Blad	ck Spruce	Trace	Variable	Variable	, 1, 15, 25, 5paals2 to 1151. C. 3515. type:
	Balsam Poplar	5		5	Ta	ag Alder	Trace	5 - 10 feet	5 - 10 feet	
	White Pine	1	Seedling	8	Ва	ılsam Fir	Medium	Variable	Variable	
	Paper Birch	2	Seedling	6	Re	ed Maple	Medium	Variable	Variable	
	Bigtooth Aspen	30	Seedling	7						
	Tamarack	2	Seedling	6						
	Quaking Aspen	50		6 31						
294	4211 - Plan	ited Red Pi	ne	Poletimber Well	9.3	43	111-140	N/A		OPIC - FMD: Machine planted in 1982. Stand is now a fully stocked 1-2 stick pole stand. 7/19/23: Updated to non-OI cover type.
295	4136 - Aspen	, Mixed Co	nifer	Poletimber Well	32.0	41	111-140	N/A		OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately
	Black Cherry	2	Seedling	6		ılsam Fir	Medium	Variable	Variable	50% of the stand is in aspen, with conifers the remainder. Conifer
	Tamarack	1	Seedling	7	Che	erry (spp.)	Low	Variable	Variable	content consists of a blend of white pine, red pine, jack pine and white
	Black Spruce	2	Seedling	9	Re	ed Maple	High	Variable	Variable	spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-Ol cover type.
	Red Maple	2	Sapling	5				1		201 00 TOT 13 PO.
	Jack Pine	3	Seedling	7						
	Red Pine	1		10						
	Quaking Aspen	76	Seedling	7 41						
	Balsam Fir	12	Seedling	8						
	White Pine	1		16						
296	42110 - Plai	nted Red P	ine	Poletimber Well	9.1	43	201+	N/A		Stand machine planted in 1982. Stand overdue for first thinning. Boles average 3 sticks in merchantable height. Scattered white pine, black
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	average 3 sticks in merchantable neight. Scattered white pine, black cherry, and aspen poles within stand.
	Red Pine	100		8 43	Ва	ılsam Fir	Low	< 5 feet	< 5 feet	



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age	BA Range	Managed S	ite	General Comments
297	4130	- Aspen	1	Poletimber Well	43.3	41 l	Unspecified	N/A	ı.	OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately
	White Spruce	1	Seedling	7	Ва	alsam Fir	Medium	Variable	Variable	50% of the stand is in aspen, with conifers the remainder. Conifer
	Black Cherry	1	Seedling	6	Re	ed Maple	High	Variable	Variable	content consists of a blend of white pine, red pine, jack pine and white
	Jack Pine	1	Seedling	6	Ja	ack Pine	Trace	Variable	Variable	spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-OI cover type.Bill Rollo GEM Management Plan:Stand rotation
	Paper Birch	1	Seedling	7	Che	erry (spp.)	Low	Variable	Variable	2047 YOE.
	Black Spruce	1	Seedling	5	WI	hite Pine	Low	Variable	Variable	
	Quaking Aspen	90	Seedling	6 41						
	Balsam Fir	5	Seedling	5						
298	3102	- Grass		None	4.4			Yes	;	OPIC - FMD: 1980DISC & SEEDED ACTUAL ACRES 3.2 FTP W-32-322
299	4136 - Aspen	, Mixed Co	nifer	Poletimber Well	42.4	41	51-80	N/A		OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately
	White Pine	3		16	Ja	ack Pine	Low	Variable	Variable	50% of the stand is in aspen, with conifers the remainder. Conifer
	Jack Pine	10	Sapling	6	Che	erry (spp.)	Low	Variable	Variable	content consists of a blend of white pine, red pine, jack pine and white
	Black Cherry	3	Seedling	6	Re	ed Maple	High	Variable	Variable	spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-OI cover type.Trace amount of red pine poles. (2024)
	Balsam Fir	5	Sapling	6	Blad	ck Spruce	Low	Variable	Variable	Of cover type. Hade amount of rea pine poics. (2024)
	White Spruce	1		12	WI	hite Pine	Low	Variable	Variable	
	Tamarack	2	Sapling	5	Ва	alsam Fir	Low	Variable	Variable	
	Balsam Poplar	5	Sapling	6	Pa	per Birch	Low	Variable	Variable	
	Red Maple	10	Sapling	5						<u>-</u>
	Quaking Aspen	58	Sapling	6 41						
	Black Spruce	2	Sapling	5						
	Paper Birch	1	Seedling	6						
300	6120 - Lov	vland Ceda	r	Poletimber Well	22.5	138	111-140	N/A		OPIC - FMD: SCA Cedar poles with associated swamp conifers. The stand borders Wilson Creek. Former potential old growth, retain as an
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	SCA to protect the riparian values along the creek. 7/19/23: Updated to
	White Pine	2		14	Blad	ck Spruce	Low	Variable	Variable	non-OI cover type.Small cedar. Very wet. Cedar are leaning in every
	Tamarack	5	Sapling	6	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	direction. Short trees. Basal area variable.
No	rthern White Cedar	87	Sapling	6 138						
	Paper Birch	1	Pole	4						
	Black Spruce	5	Sapling	6						



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age E	BA Range	Managed Si	ite	General Comments		
301	4136 - Aspen	, Mixed Co	nifer	Poletimber Well	43.6	41	51-80	N/A		OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately		
	Balsam Fir	5	Seedling	8	Ва	lsam Fir	Low	Variable	Variable	50% of the stand is in aspen, with conifers the remainder. Conifer content consists of a blend of white pine, red pine, jack pine and white spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-Ol cover type.Trace red pine poles and paper birch. (2024)		
	White Spruce	2	Seedling	8	Che	erry (spp.)	Low	Variable	Variable			
	Jack Pine	8	Sapling	6	Ta	ag Alder	Trace	5 - 10 feet	5 - 10 feet			
(Quaking Aspen	50	Seedling	7 41	Haze	lnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	- 0. co.o		
	Black Spruce	5	Seedling	8	Re	d Maple	High	10 - 20 feet	10 - 20 feet			
	Black Cherry	5	Sapling	6								
	Red Maple	8	Pole	4								
	Tamarack	2	Sapling	6								
	Balsam Poplar	10	Sapling	7								
	White Pine	5		9								
302	3102	- Grass		None	4.7			Yes		Opening filling in with jack pine, cherry, BAM, aspen and spruce saplings.		
303	3102	- Grass		None	4.2			Yes		Opening filling in with jack pine, cherry, BAM, aspen and spruce saplings.		
304	6239 - Mixed E	mergent W	etland	None	27.7			No		OPIC - FMD: SCA Retain as a special conservation area to protect the riparian values along Wilson Creek. Non stocked former L and cedar types flooded out from beaver activity in Wilson Creek. Numerous standing dead cedar.Some live tamarack, cedar, and black spruce on the edges but mostly standing dead trees.		
305	4191 - Mixed Upla Co	and Decidud nifer	ous with	Sapling Well	27.3	22	Immature	N/A		Cut as "Camp Wolverine Sale", in 2004.Super canopy white pine present. Some sparse larger red maple and balsam fir poles present.		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trace cedar.		
	Red Maple	20	Pole	3	Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet			
	White Spruce	5	Log	4	Ва	lsam Fir	Low	5 - 10 feet	5 - 10 feet			
	Black Spruce	5	Pole	4				-		<u>.</u>		
	Black Ash	5	Pole	4								
	Balsam Fir	10	Pole	3								
	Tamarack	2	Pole	4								
(Quaking Aspen	38	Pole	4 22								
	Paper Birch	5	Log	2								
	White Pine	10	-	16								
306	6120 - Lov	wland Ceda	ır	Poletimber Well	82.5	107	141-170	N/A		Stream present. Trace amount of white pine on a few very small humps [2025] PIC - FMD: SCA-This is a new SCA consisting of a low, wet,		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	T (2025)PIC - FMD: SCA-This is a new SCA consisting of a low, wet,		
	Black Spruce	5	Seedling	7	Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	zone to protect riparian values along the small stream.		
	Tamarack	10	Seedling	7	Ва	lsam Fir	Low	Variable	Variable			
Nlas	thern White Cedar	85	Seedling	9 107						_		

Gwinn Mgt. Unit



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
308	42290 - Nat	ural Mixed F	Pine	Sawtimb	er Well	9.0	91	141-170	N/A	1	OPIC - FMD: Aspen poles and saplings with fir, jack pine, spruce poles,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	and scattered white pine sawtimber over fir, red and white pine, and jack pine seedlings and saplings.SF 2024: Long term retention and bmp
	Paper Birch	3		10		Re	d Maple	Low	Variable	Variable	exclusion of surrounding parent aspen stand cut in c.2023
	White Pine	30		14		Blac	k Spruce	Low	Variable	Variable	
	Red Pine	57		14	91	Bal	lsam Fir	Medium	Variable	Variable	
	Tamarack	1	Seedling	6							
	Quaking Aspen	3		10							
	White Spruce	1	Seedling	6							
	Black Spruce	5	Seedling	9							
309	4199 - Other Mixe	ed Upland D	eciduous	Poletimb	er Well	20.8	42	81-110	N/A		Variable basal area. A few patchy open areas. (2025)Island of
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	#027-83 "North Branch Block". Trace fir, hemlock.
	Quaking Aspen	27	Seedling	7		Sug	ar Maple	Medium	Variable	Variable	
	Black Spruce	2	Seedling	5		Wild Re	d Raspberry	Medium	< 5 feet	< 5 feet	
	Balsam Poplar	65	Seedling	6	42	Blac	k Cherry	Low	Variable	Variable	
	Black Cherry	2	Sapling	5			am Poplar	Medium	Variable	Variable	
	Balsam Fir	2	Seedling	6		Re	d Maple	Low	Variable	Variable	
	Tamarack	2	Sapling	6		Whit	e Spruce	Low	Variable	Variable	
						Bal	lsam Fir	Low	Variable	Variable	
310	4136 - Aspei	n, Mixed Co	nifer	Sapling	Well	4.9	12		N/A		Cut in 2011. Trace amount of cherry, red oak, and paper birch.
	Canopy Species	% Cover	Size Class		Age						
	Red Pine	5		14							
	Balsam Fir	5	Log	2							
	Red Maple	5	Log	1							
	White Pine	10		14							
	Quaking Aspen	75	Log	2	12						
312	330 - Low-	Density Tre	es	Nor	ne	7.2			No		OPIC - FMD: CK 2000Open area filling in with mostly cherry, red pine, white pine, aspen and spruce saplings and poles. Trace amount of tamarack.
313	122 - Roa	d/Parking L	ot	Nor	ne	19.5			No		CR 438
314	42110 - Pla	inted Red P	ine	Poletimb	er Well	6.6	43	111-140	N/A		OPIC - FMD: Machine planted in 1982. Stand is now a fully stocked 1-2 stick pole stand. 7/19/23: Updated to non-OI cover type.

Gwinn Mgt. Unit

Report 7 - Stands

DNR DNR	
MICHIGAN .	

Compartment: 51

Year of Entry: 2027

Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age	BA Range	Managed Si	te	General Comments
315	4199 - Other Mixe	d Upland D	eciduous	Sapling Well	18.9	9	Immature	N/A		Cut in 2016, 438 SBW timber sale. Trace amount of super canopy white pine and sugar maple. Canopy closure around 75%. (2025)
	Canopy Species	% Cover	Size Class	DBH Age						pille and sugar maple. Carlopy closure around 75%. (2025)
	Black Cherry	5	Log	1						
	Sugar Maple	5	Log	1						
	Red Maple 30 Log 1 9									
	Quaking Aspen	35	Log	2 9						
	Balsam Fir	2	Log	1						
	Paper Birch	20	Log	1 9						
	Yellow Birch 2 11									
	White Spruce	1	Log	2						
316	4130	- Aspen		Sapling Well	7.9	2		N/A		OPIC - FMD: Cut in 1983, the stand is transitioning to an A6 pole
	Canopy Species	% Cover	Size Class	DBH Age						stand. It is fully stocked, with 1-2 stick poles over well stocked aspen saplings.
	Balsam Fir	5	Log	1						
	White Pine	1		16						
	Quaking Aspen	83	Log	1 2						
	Paper Birch	1	Log	1						
	Red Maple	10	Log	1						
317	4191 - Mixed Upla Co	and Deciduo onifer	ous with	Poletimber Well	12.3	45	81-110	N/A		OPIC - FMD: A3,A5, 2-5" DBH, 15-25 FT TALL. CUT IN 1979-80 ,
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	7 2017 - The hunter walking trail (HWT) in this stand (317; and through stands 296, 295, 294, and 297) leading to an opening (stand 298) was
	Black Spruce	5	Seedling	7	Whi	te Spruce	Trace	Variable	Variable	gated to prevent vehicular access. Trace tamarack and red pine poles
	Quaking Aspen	20	Seedling	7 45	Re	ed Maple	Medium	Variable	Variable	
	Paper Birch	5	Seedling	7	Ва	ılsam Fir	Medium	Variable	Variable	
	Balsam Fir	5	Seedling	6	W	hite Pine	Low	Variable	Variable	
	Red Maple	45		9 45						
318	3102	- Grass		None	1.4			Yes		2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples. 2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail. OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen. 2016 inventory: Super-canopy of white and yellow birch residual. Fully stocked aspen stand, 7' tall.



Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed Si	te	General Comments
319		- Aspen	Oi Oi-	Sapling		5.9	2		N/A		OPIC - FMD: Cut in 1983, the stand is transitioning to an A6 pole stand. It is fully stocked, with 1-2 stick poles over well stocked aspen
	Canopy Species		Size Class		l Age						saplings.
	Red Maple	5	Log	1							2016 - The hunter walking trail (HWT) in this stand (201) leading to an opening (stand 203) was gated to prevent vehicular access.
	White Pine	8	0 111	16							2017 - The HWT and opening (stand 203) were herbicided, disked,
	orthern White Cedar	5	Seedling	8							fertilized, and planted to rye. The intent is to continue a planting regime
	Quaking Aspen	77	Log	1	2						of rye until it is deemed acceptable to plant annual cover crops. (FTP # W-32-901)
	Balsam Fir	5	Log	1							Cut in 2024 under Flushing Frog GEMS Sale, 32-009-22 (1).
320	4112 - Maple, Beec	h, Cherry A	Association	Sawtimb	er Well	13.9	100	81-110	N/A		Thinned in 2020.OPIC - FMD: Cut permit #15-97-01 "Twin Porkies
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Sale" (unit 1 - 3) by K&K. logging in 1998. Good quality stand in most areas but about 1/3 of stand is red maple and poorer quality, but still OK
	Red Maple	79		12			ar Maple	Low	< 5 feet	< 5 feet	for hardwood management. Some areas were left with a higher BA but
	Basswood	1		15		Ba	lsam Fir	Low	Variable	Variable	most areas are 80-100 sq.ft. and no thinning is recommended at this
	Sugar Maple	20		12		Iro	onwood	Low	Variable	Variable	time. Good regeneration in sugar maple areas getting up to 6 feet tall. 2015: Stand could almost be split into two different stands - south end
						Wild Re	ed Raspberry	Medium	< 5 feet	< 5 feet	contains higher ridge with very nice sugar maple logs, with some
						Quak	king Aspen	Low	Variable	Variable	basswood, ironwood, birch and cherry. Some maple regeneration
						Whi	te Spruce	Low	Variable	Variable	starting. Leatherwood also present here. North end (including Perrin
						Sug	jar Maple	Medium	Variable	Variable	Bros Road edge) transitions into slightly lower grounds with more mixed species; heavier fir/spruce component, some aspen, and lower quality
						Blad	ck Cherry	Low	Variable	Variable	maple. Ground cover changes to club moss, princess pine. Budworm
						Re	d Maple	Medium	Variable	Variable	evidence along road.
323	6120 - Lov	wland Ceda	ar	Poletimb	er Well	174.6	118	51-80	N/A		OPIC - FMD: CK 2000Very wet with varying levels of marketability.
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	For the most part too wet to harvest and low merchantability. Very variable BA and patchy. Trace amount of log sized white pine and pole
No	rthern White Cedar	80	Sapling	6	118	WI	nite Pine	Trace	Variable	Variable	sized birch and red maple.
	Black Spruce	10	Seedling	7		Blac	ck Spruce	Medium	Variable	Variable	
	Tamarack	10	Seedling	8	118	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
						Та	ımarack	Low	Variable	Variable	
						Ва	lsam Fir	Medium	Variable	Variable	
324	6121 - 7	Гатагаск		Poletimb	er Well	10.8	41	81-110	N/A		Trace amount of birch, aspen and white pine.AREA CUT 1984
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	PERMIT NO. 24-82-1. (2024)
	Black Spruce	15	Sapling	5		Blac	ck Spruce	Low	Variable	Variable	
	Tamarack	80	Seedling	8	41	Ва	lsam Fir	Medium	Variable	Variable	
	Black Cherry	5	Pole	4		Re	d Maple	Low	Variable	Variable	
						Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
325	42210 - Nat	ural Red P	ine	Sawtimb	er Well	5.0	91	81-110	N/A		Pine over aspen, fir and red maple. Understory cut in 2011. 2024. New
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine stand.
	White Pine	25		14			ed Pine	Trace	< 5 feet	< 5 feet	
	Red Pine	75		14	91	Re	d Maple	Medium	Variable	Variable	
					' '	Quak	king Aspen	Medium	Variable	Variable	
					-						
						Ва	lsam Fir	Medium	Variable	Variable	



Stand	Level 4 Co	over Type		Size Dens	ity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
326	4130	- Aspen		Poletimber	Well	6.5	32	81-110	N/A	A	
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	80	Sapling	7	32	Sug	ar Maple	Low	Variable	Variable	
	White Pine	1		19		Pap	er Birch	Low	Variable	Variable	
	Paper Birch	5	Sapling	5		Iro	nwood	Medium	Variable	Variable	
	Balsam Poplar	10	Seedling	8		Re	d Maple	High	Variable	Variable	
	Balsam Fir	2	Seedling	6		Blac	k Spruce	Trace	Variable	Variable	
	Black Cherry	2	Sapling	5		Bal	sam Fir	Medium	Variable	Variable	
327	4130	- Aspen		Poletimber	Well	7.2	34	81-110	N/A	4	Trace amount of tamarack, elm, paper birch and sugar maple.
	Canopy Species	% Cover	Size Class	DBH A	\ge	Sub-Car	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	96	Sapling	6	34	Re	d Maple	Low	Variable	Variable	
	White Spruce	1	Seedling	8		Sug	ar Maple	Medium	10 - 20 feet	10 - 20 feet	
	Balsam Fir	3	Seedling	8		Bal	sam Fir	Low	Variable	Variable	
328	6120 - Lo	wland Ceda	ır	Poletimber	Well	8.8	98	141-170	N/A	A	Primarily cedar stand next Wilson Creek. Stand transitions to upland on
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Car	opy Species	Density	Avg. Height	Size	north edge. BA decreases in upland transition.
	Quaking Aspen	1		10		Re	d Maple	Low	Variable	Variable	
	Yellow Birch	1		12		Blac	k Spruce	Low	5 - 10 feet	5 - 10 feet	
	Black Ash	2	Seedling	9		Bal	sam Fir	Medium	>20 feet	>20 feet	
	Red Maple	3		11		Та	g Alder	Low	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	60		10	98						-
	Paper Birch	1		10							
	Tamarack	2		10							
	Black Spruce	20		9	67						
	White Pine	10		14							
329	6122 - BI	ack Spruce		Poletimber	Well	46.0	78	81-110	N/A	A	Trace amount of large white spruce. Far south end is a little thinner with
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	some blowdown. I did not observe any streams or buffers needed for any adjacent streams. (2025)
	Quaking Aspen	1		10		Bal	sam Fir	Medium	Variable	Variable	any asjacon sucamo (2020)
No	rthern White Cedar	10		9		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	10	Seedling	7		Ta	marack	Trace	Variable	Variable	
	Red Maple	5	Seedling	7		Wh	ite Pine	Trace	Variable	Variable	
	Balsam Poplar	2		8		Re	d Maple	Low	Variable	Variable	
	Black Spruce	66	Seedling	7	78	Blac	k Spruce	Low	Variable	Variable	
	Paper Birch	3		9						1	-
	White Pine	3		16							



Stand Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
330 6120 - Lo	wland Ceda	ır	Sawtimb	er Well	29.6	142	201+	N/A		Sugar maple regen on edges. Diameter decreases as you approach the
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	center of the stand. (2025)
Northern White Cedar	94		11	142	Sug	ar Maple	Trace	Variable	Variable	
Black Spruce	2		10		Ва	lsam Fir	Trace	Variable	Variable	
Paper Birch	2		10							
Balsam Poplar	2		14							
331 4130	- Aspen		Poletimb	er Well	25.9	34	81-110	N/A	1	Trace amount of tamarack, elm, paper birch and sugar maple.
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Quaking Aspen	96	Sapling	6	34	Re	d Maple	Low	Variable	Variable	
White Spruce	1	Seedling	8		Ва	lsam Fir	Low	Variable	Variable	
Balsam Fir	3	Seedling	8		Sug	ar Maple	Medium	10 - 20 feet	10 - 20 feet	
332 3102	? - Grass		Nor	ne	6.2			Yes	5	Opening filling in with BAM, aspen, cherry, fir, and spruce. (2025)Managed opening of GEMS, associated with HWT: McGillviray Meadow.Cultivated in 2016, 2022, 2023.Mowed to maintain in 2017, 2018, 2019, 2021.
333 4110 - Sugar I	Maple Assoc	ciation S	awtimber	Medium	1 2.1	120	1-50	N/A	\	Pockets of hardwoods. Keep for diversity.
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Balsam Fir	5	Seedling	8		Sug	ar Maple	Low	Variable	Variable	
Sugar Maple	90		14	120	Ва	lsam Fir	Medium	Variable	Variable	
Red Maple	5		10		Re	d Maple	Low	Variable	Variable	
336 6129 - Mixed Conit	ferous Lowla	and Forest S	awtimber	Medium	n 81.0	100	51-80	N/A	1	Riparian corridor along Little West Branch of the Escanaba River. This
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand is very diverse with varying levels of stocking. Aspen of various ages found throughout. (2025)
Red Maple	3		10			Alder	Medium	5 - 10 feet	5 - 10 feet	agos rouna amougrioum (2020)
Tamarack	5		10		Ame	rican Elm	Trace	Variable	Variable	
White Pine	2		16		Quak	ing Aspen	Low	Variable	Variable	
Balsam Fir	10		10		Blad	ck Cherry	Low	Variable	Variable	
White Spruce	1		14		Sug	ar Maple	Low	Variable	Variable	
Black Spruce	35		10	100	Ва	lsam Fir	Medium	Variable	Variable	
Sugar Maple	2		10		Re	d Maple	Low	Variable	Variable	
Quaking Aspen	10		9	50			'			-
Paper Birch	2		8							
Northern White Cedar	30		10							
338 3102	? - Grass		Nor	ne	1.2			Yes	3	This hunter walking trail (RGS Route) was established in 2015 and is maintained annually with mowing and/or cultivation activities.



Stand	tand Level 4 Cover Type			Size Density			Stand Age B	e BA Range Managed Site			General Comments
339	4110 - Sugar N	/laple Assoc	ciation	Sawtimb	er Well	16.2	120	111-140	N/A		This stand was once much larger but most now falls into an MWR stand.OPIC - FMD: Thinned Dec, 1997 - June,1998 Tri-Forestry
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	permit #16-97-01 "Perrin Camp Sale". Also C32-382: TSI removing
	Sugar Maple	90		13	120	Sug	ar Maple	High	Variable	Variable	ironwood and some marked trees completed in Dec, 1981. Nice timber
	Basswood	10		15		Sug	ar Maple	Low	< 5 feet	< 5 feet	quality here and is sawlog size. Lower elevation along clearcut trees show some dieback from possible soil compaction during last harvest
											but most of the stand is healthy and good quality. Some higher BA areas but crown room in most areas. M3 gaps from 1970s harvest 2-4 inches dbh. New M3 regeneration is 3-4' tall and is mostly in the west part of stand. Some feeding by deer but seedlings may escape. Some scarlet elderberry on landings. 2015: regeneration in west part of stand is now 10' + range.
340	4110 - Sugar N	Maple Assoc	ciation	Sawtimb		22.6	106	111-140	N/A		Trace amount of cedar. (2025)10/19/2017 - Small wildlife opening ¬ was mapped to allow comments to be made as WLD performs habitat
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	work in the stand. "North Branch Block" #24/76A - select cut 1977
	Basswood	2		16		Irc	nwood	Low	Variable	Variable	(removing mostly elm) and "Bryan Creek Sale" #024-96 - select cut
	Sugar Maple	98		12	106	Sug	ar Maple	Medium	Variable	Variable	summer, 1999. Stain, forks, seams, cankers and breakage all noted. Trace fir, hemlock. Raspberry, burdock noted. FTP W32-590:
						Sug	ar Maple	Low	>20 feet	>20 feet	Underplanted 7,900 hemlock 9/25/2001.
341	3102	- Grass		Nor	ie	1.2			Yes	3	Hunter walking trail ("Elizabeth's Trail") maintained annually by mowing and/or cultivation since 2015.
342	3102	- Grass		Nor	ie	3.0			Yes	3	Hunter walking trail within the stand. Mowed in 2019, 2021; cultivated in 2022, 2023, 2024.
343	6120 - Lo	wland Ceda	ır :	Sawtimb	er Well	22.0	100	141-170	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	79		13	100	Blac	k Spruce	Low	Variable	Variable	
	Yellow Birch	1	Seedling	8		Bal	lsam Fir	Low	Variable	Variable	
	Black Spruce	10	Seedling	8							_
	Red Maple	10		8							

Gwinn Mgt. Unit



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
345	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	110.9	121	81-110	N/A		Aspen on far south edge. Basal area variable ranging from 90 to 140 or
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	average with a few areas being 70 where BAM was removed in the past. (2025)Current average BA= 90. Improvement thinning/selection
	Sugar Maple	82		12	121	Irc	nwood	Medium	10 - 20 feet	10 - 20 feet	cut in the next cycle (2016)OPIC - FMD: Notes from north portion of
	Basswood	15		15		Sug	ar Maple	Medium	< 5 feet	< 5 feet	stand: cut under permit #9-98-01 in 2001 ORO logging. Excellent
	Balsam Poplar	1		14		Ва	lsam Fir	Low	Variable	Variable	elderberry regeneration on the eastern slopes. OPIC - FMD: Cut under permit # 017-97-01 "South Landon Lake" in Jan,Feb, 2002 also part in
	Quaking Aspen	2		14		Sug	ar Maple	Medium	Variable	Variable	permit #9-98-01 see comp # 51. Also east of road cut in 1989 ("Landor
						Whit	e Spruce	Low	Variable	Variable	Lake Balm" #018-88-2), a lot of aspen and balsam poplar removed.
						Sug	ar Maple	Medium	>20 feet	>20 feet	One area of about 2 acres unthinned will have to wait until feasible, probably when total stand thinned again. Some blowdown and also
											larger gaps created due to large amount of balsam poplar removed. Excellent regeneration 4-10' sugar maple in most areas of stand. Most good quality larger trees. Not much crowding of trees yet, lots of crowr room. 2015: BA still a little low for treatment (100-110).5/27/16 Field Notes: Typical northern hardwood stand with small aspen component on southern edge of stand. Good sugar maple sapling regeneration throughout, ironwood in patches. Larger skid trails/old roads going northwest up the slope are low, wet, and lots of evidence of past erosion. Gravel on these trails, but not enough; ground is soggy with seeps. Winter ground.
346	500 -	- Water		Nor	е	30.2			No		OPIC - FMD: Big West Branch Escanaba River.
347	3102	- Grass		Nor	e	1.4			Yes		Gravel on these trails, but not enough; ground is soggy with seeps. Winter ground. Hunter walking trail ("Landon Loop") mowed annually since 2015.
348	4199 - Other Mixe	ed Upland D	eciduous	Poletimb	er Well	6.6	70	51-80	N/A		Balsam fir poles breaking up. Aspen BAM falling out. Several ages present but for the most part big overmature trees. They essentially
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	thinned an area up to North Branch Road in 1982 and excluded a few
	Paper Birch	10		11		Sug	ar Maple	Trace	Variable	Variable	areas. (2025)
	Quaking Aspen	25		14		Bal	lsam Fir	Medium	Variable	Variable	
	Balsam Poplar	63		14	70	Blac	k Cherry	Low	Variable	Variable	
	White Spruce	2		10		Blac	k Spruce	Trace	Variable	Variable	
						Blac	k Cherry	Trace	Variable	Variable	
						Bal	lsam Fir	High	Variable	Variable	
						Whit	e Spruce	Low	Variable	Variable	
349	4113 - R.M	laple, Conif	er	Poletimb	er Well	3.0	25	1-50	N/A		Spruce/fir for the most part died off with red maple taking its place.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	(2020)
	Red Maple	75	Pole	4	25	Ba	lsam Fir	Low	Variable	Variable	
	Balsam Fir	3	Seedling	8							
	White Pine	2		20							
No	rthern White Cedar	20		12	95						
351	3102	- Grass		Nor	e	3.0			Yes	i	Hunter walking trail ("Grouse Grassland"), managed for walk-in access Gated in 2022.Bulldozed to clear debris from trail in 2022.Cultivated in 2022, 2023, 2024.



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age B	A Range	Managed Sit	9	General Comments
352	3102	- Grass		None	3.5			Yes		Hunter walking trail developed in 2022 and cultivated again in 2023.
353	6220 - A	6220 - Alder/Willow		None	74.2			No		Tag alder and willow. Contains Bryan Creek.
354	330 - Low-l	Density Tre	es	None	2.9			Yes		OIPC-WLD: Maintain wildlife opening. Roller chop to discourage brush and saplings from encroachmentRest absorbed into surrounding stand.
355	310 - Herbac	eous Open	land	None	1.3			Yes		Filling in with some BAM, cherry, fir, aspen and spruce. (2025)OPIC - FMD: Maintain wildlife opening. Roller-chop to discourage brush and saplings from encroachment. OI Stand Year Origin was
356	4110 - Sugar N	/laple Asso	ciation	Poletimber Well	3.7	105	81-110	N/A		Thinned in 2020.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	OPIC - FMD: Small stand with good timber potential. North aspect side
	Basswood	2		12	Ва	ılsam Fir	Low	Variable	Variable	hill slopes to swamp but is not steep. Treat with adjacent aspen cut.
	Balsam Fir	2		8	Ir	onwood	High	Variable	Variable	Ground cover of leatherwood noted.
	Sugar Maple	96		9 105	Suç	gar Maple	High	< 5 feet	< 5 feet	
357	500 -	- Water		None	2.8			No		Small bog pond (2025)
358	4191 - Mixed Upla Co	and Decidu onifer	ous with	Sawtimber Well	15.0	97	81-110	N/A		Balsam fir almost all dead. 75% canopy closure. Aspen, BAM, balsam fir falling out. (2025)
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	10		30	Blad	ck Spruce	Low	Variable	Variable	
	Balsam Fir	5		8	Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce	5	Seedling	7	Ва	ılsam Fir	Low	Variable	Variable	
	Balsam Poplar	5		11						
	Red Maple	20		9						
	White Spruce	5		14						
	Paper Birch	10	Seedling	8						
	Black Cherry	1	Seedling	9						
	rthern White Cedar	10		13						
	Quaking Aspen	29		15 97						



Stand	Level 4 Co	ver Type		Size Density	Acres Star	nd Age BA	Range	Managed S	ite	General Comments	
360	4130 -	Aspen		Poletimber Well	25.7	40 Un	specified	N/A	\	"North Branch Block" #027-83 - cut with adjacent compartment 56 ~ 1985. Trace amount of fir present. Some pockets of stem breakage;	
	Canopy Species	% Cover	Size Class	<u> </u>	Sub-Canopy	Species	Density	Avg. Height	Size	hypoxylon present. Stand is transitioning from saplings to poles.	
	Balsam Poplar	30	Sapling	5 40	Hazelnut (Be	eaked)	Medium	< 5 feet	< 5 feet		
	Quaking Aspen	70	Seedling	6 40	Black Ch	<u> </u>	Low	10 - 20 feet	10 - 20 feet		
					Paper Bi	irch	Low	10 - 20 feet	10 - 20 feet		
					Maple (s	pp.)	Low	10 - 20 feet	10 - 20 feet		
					Blackberry/Ra	aspberry	Medium	< 5 feet	< 5 feet		
					Balsam Po	oplar	Medium	5 - 10 feet	5 - 10 feet		
					White Spi	ruce	Low	10 - 20 feet	10 - 20 feet		
					Balsam	Fir	Low	Variable	Variable		
361	330 - Low-C	ensity Tree	es	None	2.8			Yes	5	Stand filling in with cherry, white spruce, bam and balsam fir.2015 - Planted 17 chestnut crabapples and 18 whitney crabapples with enclosures in this opening. OPIC - FMD: Narrow natural opening with scattered spruce/fir.Planted saplings doing well, over-topped fences. White pine, fir open growing. Fern, grass, berry mix.	
362	4110 - Sugar M	aple Assoc	iation	Sawtimber Well	6.8 1	06 1	11-140	N/A	\	"North Branch Block" #24/76A - select cut 1977 (removing mostly elm)	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy	Species	Density	Avg. Height	Size	and "Bryan Creek Sale" #024-96 - select cut summer, 1999. Stain, forks, seams, cankers and breakage all noted. Trace fir, hemlock.	
	Sugar Maple	98		12 106	Sugar Ma	aple	Low	>20 feet	>20 feet	Raspberry, burdock noted. FTP W32-590: Underplanted 7,900	
	Basswood	2		16	Ironwoo	bc	Low	Variable	Variable	hemlock 9/25/2001.	
					Sugar Ma	aple	Medium	Variable	Variable		
363	4139 - Aspen, N	Mixed Decid	duous	Sapling Well	15.8 ´	17 In	nmature	N/A	\	Marbled upland stand/lowland stand. Fir areas have little regen but area so very small. A few sparse older trees. (2025)	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy	Species	Density	Avg. Height	Size	s very small. A rew sparse older trees. (2025)	
	Balsam Fir	2	Pole	3 17	Wild Red Ra	spberry	Low	< 5 feet	< 5 feet		
	Paper Birch	10	Log	2							
	Quaking Aspen	40	Log	2 17							
	Red Maple	10	Log	3							
	Black Cherry	5	Pole	3							
	Sugar Maple	2	Pole	4							
	Balsam Poplar	31	Log	2							
371	6225	- Bog		None	1.2			No		Bog with sparse pole and sapling sized black spruce and cedar.	
372	6122 - Bla	ack Spruce		Sapling Well	16.1	35 Un	specified	N/A	1	Two ages here but not 20 years apart. Older strips are more well	
				11	Sub-Canopy	Species	Density	Avg. Height	Size	stocked with some poles present. Older strips are 3-4 inches in diameter and younger strips are 2-3 inches in diameter. 75% canopy closure	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Carlopy	Op00.00		,g	JJ	and vounder sinds are 2-3 inches in diameter. 75% canony closure	
	Canopy Species rthern White Cedar	% Cover	Size Class	DBH Age	Northern Whit	-	Low	< 5 feet	< 5 feet	(2025)First strip cut in 1990 with the original uncut strips harvested	
			Size Class			te Cedar					

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and L	Level 4 Co	ver Type		Size D	ensity	Acres Sta	and Age B	A Range	Managed S	ite	General Comments
73	6220 - Alder/Willow			None		4.9		No		Tag alder drainage/ perennial stream that contains beaver flooding.	
						Sub-Canop	y Species	Density	Avg. Height	Size	Almost entirely tag alder. (2025)
						Balsam	Poplar	Trace	Variable	Variable	
						Quaking	Aspen	Trace	>20 feet	>20 feet	
						Paper	Birch	Trace	Variable	Variable	
						Tag A	lder	Full	5 - 10 feet	5 - 10 feet	
						Black S	pruce	Trace	>20 feet	>20 feet	
						Northern White Cedar		Trace	>20 feet	>20 feet	
74 6111	1 - Lowland	Balsam P	oplar P	Poletimbe	r Medium	28.1	50	1-50	N/A	1	Low stand. Probably too wet and basal area too low to harvest. Thi
Canopy S	Species	% Cover	Size Class	DBI	H Age	Sub-Canop	y Species	Density	Avg. Height	Size	was probably harvested in the 50s with areas blowing down/falling with time. (2025)
Northern Whit	te Cedar	5		9		Balsar	m Fir	Medium	Variable	Variable	Will into: (2020)
Balsam Po	oplar	55	Sapling	7	50	Tag A	Alder	High	5 - 10 feet	5 - 10 feet	
Quaking A	spen	5	Seedling	7		Balsam	Poplar	Medium	Variable	Variable	
Balsam	Fir	10	Seedling	5		Black S	pruce	Medium	Variable	Variable	
Black Spr	ruce	15	Sapling	7	70						-
Tamara	ick	10		12							
75 4112 - Ma	Species	% Cover	Size Class		H Age	Sub-Canop		Density	Avg. Height	Size	
Red Mar	•	45		11		Ironw		Low	Variable	Variable	
Sugar Ma	•	46		11	100	Balsar		Low	Variable	Variable	
Yellow Bi		3		13		Sugar N	· ·	High	< 5 feet	< 5 feet	
Balsam Po	•	2		15		Sugar N	Maple	Low	Variable	Variable	
Northern Whit		1	0 11:	11							
Balsam		1	Seedling	8							
Black Che	erry	2		11							
77 4112 - Ma	aple, Beech	, Cherry A	ssociation	Sawtim	er Well	6.9	100	111-140	N/A		Trace amount of paper birch and yellow birch in canopy. (2025)
Canopy S	Species	% Cover	Size Class	DBI	H Age	Sub-Canop	• •	Density	Avg. Height	Size	
White Pi	ine	2		30	160	Sugar N	Maple	Medium	Variable	Variable	
Sugar Ma	aple	68	Seedling	9	100	Ironw	rood	Low	Variable	Variable	
Sugar Ma Red Mar	•		Seedling Seedling	9		Ironw Sugar N		Low High	Variable < 5 feet	Variable < 5 feet	
Red Mar Ironwoo	ple od	68 15 3		9 9 8							
Red Map Ironwoo Northern Whit	ple od te Cedar	68 15 3 2	Seedling	9 9 8 14	100						
Red Mar Ironwoo	ple od te Cedar	68 15 3	Seedling	9 9 8	100						



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
379	4130	- Aspen		Sapling	Well	16.2	23	1-50	N/A	\	OPIC - FMD: Former white birch, aspen, and red and white pine stand.
	Canopy Species	% Cover	Size Class	DBH	Age						Stand was treated with a seed tree cut in 2001and 2002 by Usher under permit #007-98-01. 2016-There is a fair amount of white birch regen 5-
	White Spruce	1	Seedling	8							15' tall especially on disturbed soil areas, but much of the stand has
	Bigtooth Aspen	41	Log	1	23						regenerated to quaking and bigtooth aspen.
	Quaking Aspen	46	Log	1	23						
	White Pine	5		16							
	Balsam Fir	2	Seedling	8							
	Red Pine	5		16							
380	42210 - Na	tural Red Pi	ne	Poletimb	er Well	8.7	75	81-110	N/A	١	OPIC - FMD: Former white birch, aspen, and red and white pine stand.
	Canopy Species	% Cover	Size Class	ass DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand was treated with a seed tree cut in 2001and 2002 by Usher under permit #007-98-01. 2016-There is a fair amount of white birch regen 5-
	White Pine	10		11		Re	ed Pine	Low	Variable	Variable	15' tall especially on disturbed soil areas, but much of the stand has
	Red Pine	90		11	75	Wh	ite Pine	Medium	Variable	Variable	regenerated to quaking and bigtooth aspen.
				'		Ja	ck Pine	Low	Variable	Variable	
						Blac	k Spruce	Low	Variable	Variable	
						Ва	sam Fir	Medium	Variable	Variable	
					R		d Maple	Low	Variable	Variable	
						Whit	e Spruce	Low	Variable	Variable	
						Bigto	oth Aspen	Medium	Variable	Variable	
382	6122 - Bl	lack Spruce	k Spruce Poletimber Well		er Well	16.8	45	51-80	N/A	\	Trace amount of cherry poles. Spruce slightly older as it was advance requestration and designated to be protected when stand was last cut.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trigeneration and designated to be protected when stand was last cut. This stand was originally part of 274 but was split off (2025)OPIC -
	Balsam Fir	14	Sapling	6		Blad	k Cherry	Trace	Variable	Variable	FMD: CUT PERMIT 32-89-01; Semi open with clumps of spruce/fir.
	Quaking Aspen	10	Seedling	6		Ва	sam Fir	Medium	Variable	Variable	Decent aspen regeneration on the west side
	Red Maple	5	Pole	3		Re	d Maple	High	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	5	Seedling	9							_
	Balsam Poplar	5	Sapling	5							
	Black Spruce	50	Seedling	7	45						
	White Pine	1		10							
	Tamarack	10	Sapling	5							
384	6121 -	Tamarack		Poletimb	er Poor	9.8	90		N/A	\	Very wet and patchy. Trace amount of white pine in canopy.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	60	Sapling	5	90	Ва	sam Fir	Low	Variable	Variable	
	Black Spruce	40	Sapling	5		Blac	k Spruce	Low	Variable	Variable	
						Ta					



Stand	Level 4 C	over Type		Size Der	sity	Acres Stand Age B	A Range	Managed S	ite	General Comments
385	42390 - Mixed Non	-Pine Uplar	nd Conifers Po	oletimber	Mediun	n 2.6 164	51-80	N/A	1	Red maple, tamarack, cedar, and spruce fir poles. Transitional to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	on lowland with wet cedar and alder patches. Initial SBW.
	Red Maple	15		8		Alder	Low	5 - 10 feet	5 - 10 feet	
	Tamarack	10	Seedling	8		Balsam Fir	Medium	Variable	Variable	
	Black Spruce	15	Seedling	8	164					
Nort	thern White Cedar	30	Seedling	8	164					
	Paper Birch	10	Sapling	5						
	Balsam Fir	20	Sapling	6						
386	42390 - Mixed Non	-Pine Uplar	nd Conifers Po	oletimber	Mediun	n 1.7 164	51-80	N/A	Ţ	Red maple, tamarack, cedar, and spruce fir poles. Transitional to
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	owland with wet cedar and alder patches. Initial SBW.
	Balsam Fir	20	Sapling	6		Balsam Fir	Medium	Variable	Variable	
	Tamarack	10	Seedling	8		Alder	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	15		8			'			_
	Paper Birch	10	Sapling	5						
	Black Spruce	15	Seedling	8	164					
Nort	thern White Cedar	30	Seedling	8	164					
387	6120 - Lowland Cedar Poletimber We			r Well	9.6 121 201+		N/A		OPIC - FMD: SCA Formerly designated as potential old growth, this	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	stand provides connectivity of the riparian zone with its associated wildlife/wetland values along the Big West Branch of the Escanaba
Nort	thern White Cedar	83	Seedling	9	121	Balsam Fir	Low	Variable	Variable	River.
I	Balsam Poplar	2		10		Northern White Cedar	Trace	< 5 feet	< 5 feet	7/19/23: Updated to non-OI cover type.
	Black Spruce	10		11		Black Spruce	Low	Variable	Variable	
	Paper Birch	3		9						
	Tamarack	2		12						
388	4130	- Aspen	F	Poletimbe	r Well	17.4 40 U	nspecified	N/A	\	"North Branch Block" #027-83 - cut with adjacent compartment 56 ~
-	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	1985. Trace amount of fir present. Some pockets of stem breakage hypoxylon present. Stand is transitioning from saplings to poles.
I	Balsam Poplar	30	Sapling	5	40	Black Cherry	Low	10 - 20 feet	10 - 20 feet	, ,,, , , , , , , , , , , , , , , , ,
(Quaking Aspen	70	Seedling	6	40	Hazelnut (Beaked)	Medium	< 5 feet	< 5 feet	
						Balsam Fir	Low	Variable	Variable	
						Balsam Poplar	Medium	5 - 10 feet	5 - 10 feet	
						White Spruce	Low	10 - 20 feet	10 - 20 feet	
						Paper Birch	Low	10 - 20 feet	10 - 20 feet	
						Maple (spp.)	Low	10 - 20 feet	10 - 20 feet	
						Blackberry/Raspberry	Medium	< 5 feet	< 5 feet	
389	6220 - A	lder/Willow	1	None	Э	15.8		No		Sparse trees mostly tag alder (2025)

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Stand	d Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments				
390	6139 - Mixed	Lowland Fo	orest Po	letimber Mediu	m 10.1 37 l	Inspecified	N/A		Cut with stand to south but this is wetter and slower growing. (2025)
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
No	orthern White Cedar	5		12	Tag Alder	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	15	Pole	4 37	Balsam Fir	Low	Variable	Variable	
	Tamarack	25	Pole	4					-
	Balsam Poplar	35	Pole	4 37					
	Paper Birch	5	Pole	4					
	Black Spruce	15	Pole	4					
391	4130	- Aspen	F	Poletimber Well	l 15.4 27 l	Inspecified	N/A	1	"Bryan Creek Sale" #024-96 (unit 1,2) - cut July, 1998. Some lowland
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	aspen, tamarack along lower edges of stand. Some red maple saplings
	Paper Birch	1	Seedling	5	White Spruce	Low	Variable	Variable	
	Quaking Aspen	94	Seedling	6 27	Balsam Fir	Low	Variable	Variable	
	Balsam Fir	5	Seedling	6	Red Maple	Low	Variable	Variable	
									On the second filling in with a second file of the second second (OOOF)
392	330 - Low-I	Density Tre	es	None	2.0		No		Open area filling in with spruce, fir, cherry and aspen. (2025)
392 393	4130	- Aspen	F	Poletimber Well	l 41.1 34	51-80	No N/A	.	2" aspen saplings with occasional large white pine. Treated under
	4130 Canopy Species	- Aspen	Size Class	Poletimber Well	41.1 34 Sub-Canopy Species	Density	N/A Avg. Height	Size	
	4130 Canopy Species Red Maple	- Aspen **Cover	Size Class Seedling	Poletimber Well DBH Age 5	41.1 34 Sub-Canopy Species Red Maple	Density Medium	N/A Avg. Height Variable	Size Variable	2" aspen saplings with occasional large white pine. Treated under
	4130 Canopy Species Red Maple Quaking Aspen	- Aspen **Cover 5 73	Size Class Seedling Seedling	DBH Age 5 7 34	41.1 34 Sub-Canopy Species Red Maple Black Spruce	Density Medium Low	N/A Avg. Height Variable Variable	Size Variable Variable	2" aspen saplings with occasional large white pine. Treated under
	4130 Canopy Species Red Maple Quaking Aspen Paper Birch	- Aspen **Cover 5 73 5	Size Class Seedling Seedling Seedling	DBH Age 5 7 34 7	41.1 34 Sub-Canopy Species Red Maple Black Spruce Black Cherry	Density Medium Low Low	N/A Avg. Height Variable Variable Variable	Size Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
	4130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar	- Aspen **Cover* 5 73 5 10	Size Class Seedling Seedling Seedling Seedling	Poletimber Well DBH Age 5 7 34 7 7	41.1 34 Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch	Density Medium Low Low Low	Avg. Height Variable Variable Variable Variable	Size Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
	4130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry	- Aspen % Cover 5 73 5 10 2	Size Class Seedling Seedling Seedling Seedling Seedling	Poletimber Well DBH Age 5 7 34 7 7 6	41.1 34 Sub-Canopy Species Red Maple Black Spruce Black Cherry	Density Medium Low Low	N/A Avg. Height Variable Variable Variable	Size Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
	4130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla	- Aspen % Cover 5 73 5 10 2 5 and Decidudedar	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling	DBH Age 5 7 34 7 7 6 8 Sawtimber Well	Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple	Density Medium Low Low Low Medium 111-140	N/A Avg. Height Variable Variable Variable Variable Variable N/A	Size Variable Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
393	A130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla	- Aspen % Cover 5 73 5 10 2 5 and Decidudedar	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling	DBH Age 5 7 34 7 7 6 8 8 Sawtimber Well	41.1 34 Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple 14.1 70 Sub-Canopy Species	Density Medium Low Low Low Medium 111-140 Density	N/A Avg. Height Variable Variable Variable Variable Variable Avg. Height	Size Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
393	A130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla Canopy Species Hemlock	- Aspen % Cover 5 73 5 10 2 5 and Decidue edar % Cover 1	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling	DBH Age 5 7 34 7 7 6 8 8 6 8 6 6 8 DBH Age 12	41.1 34 Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple 14.1 70 Sub-Canopy Species White Pine	Density Medium Low Low Low Medium 111-140 Density Trace	N/A Avg. Height Variable Variable Variable Variable Variable Avg. Height < 5 feet	Size Variable Variable Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
393	4130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla Co Canopy Species Hemlock Red Maple	- Aspen % Cover 5 73 5 10 2 5 and Decidueedar % Cover 1 52	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling	Poletimber Well DBH Age 5 7 34 7 7 6 8 Sawtimber Well DBH Age 12 8 70	Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple 14.1 70 Sub-Canopy Species White Pine Red Maple	Density Medium Low Low Low Medium 111-140 Density	N/A Avg. Height Variable Variable Variable Variable Variable Avg. Height < 5 feet Variable	Size Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
393	A130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla Ca Canopy Species Hemlock Red Maple orthern White Cedar	- Aspen % Cover 5 73 5 10 2 5 and Deciduedar % Cover 1 52 20	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling	Poletimber Well DBH Age	41.1 34 Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple 14.1 70 Sub-Canopy Species White Pine	Density Medium Low Low Low Medium 111-140 Density Trace	N/A Avg. Height Variable Variable Variable Variable Variable Avg. Height < 5 feet	Size Variable Variable Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
393	4130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla Co Canopy Species Hemlock Red Maple	- Aspen % Cover 5 73 5 10 2 5 and Decidue edar % Cover 1 52 20 2	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling	Poletimber Well DBH Age 5 7 34 7 7 6 8 Sawtimber Well DBH Age 12 8 70	Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple 14.1 70 Sub-Canopy Species White Pine Red Maple	Density Medium Low Low Low Medium 111-140 Density Trace Medium	N/A Avg. Height Variable Variable Variable Variable Variable Avg. Height < 5 feet Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
393	A130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla Ca Canopy Species Hemlock Red Maple orthern White Cedar	- Aspen % Cover 5 73 5 10 2 5 and Deciduedar % Cover 1 52 20	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling	Poletimber Well DBH Age	Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple 14.1 70 Sub-Canopy Species White Pine Red Maple	Density Medium Low Low Low Medium 111-140 Density Trace Medium	N/A Avg. Height Variable Variable Variable Variable Variable Avg. Height < 5 feet Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under
393	A130 Canopy Species Red Maple Quaking Aspen Paper Birch Balsam Poplar Black Cherry Balsam Fir 4190 - Mixed Upla Ce Canopy Species Hemlock Red Maple orthern White Cedar Yellow Birch	- Aspen % Cover 5 73 5 10 2 5 and Decidue edar % Cover 1 52 20 2	Size Class Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling Seedling	DBH Age 5 7 34 7 7 6 8 8 Sawtimber Well 12 8 70 14 160 14	Sub-Canopy Species Red Maple Black Spruce Black Cherry Paper Birch Sugar Maple 14.1 70 Sub-Canopy Species White Pine Red Maple	Density Medium Low Low Low Medium 111-140 Density Trace Medium	N/A Avg. Height Variable Variable Variable Variable Variable Avg. Height < 5 feet Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable	2" aspen saplings with occasional large white pine. Treated under

Compartment: 51 Year of Entry: 2027



Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site **General Comments** 6120 - Lowland Cedar Sawtimber Well 3.0 120 81-110 N/A 396 % Cover Size Class **DBH Age Sub-Canopy Species** Avg. Height Size **Canopy Species** Density 8 5 - 10 feet 5 - 10 feet Red Maple Seedling Tag Alder Low Northern White Cedar 96 10 120 Balsam Fir Medium Variable Variable Paper Birch 1 Seedling 6 Red Maple Low Variable Variable 2 10 Yellow Birch 330 - Low-Density Trees None 13 Yes Stand is filling in. (2025)2015 - W32698 - installed gate, limed, 400 mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry, 4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. 5/26/2016 Field notes: raspberry 20% cover, mostly grass. Some wildlife trees observed 330 - Low-Density Trees None 2.3 No Filling in with aspen and balsam fir (2025)2015 - W32698 - installed 401 gate, limed, mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees. 25 nannyberry, 25 highbush cranberry, 4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. 3301 - Low Density Deciduous Trees None 2.6 Yes Filling in with BAM and aspen on edges. (2025)2015 - W32698 -402 installed gate, limed, mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. 6/25/2016 Field notes: Verified, some cherry encroaching. 310 - Herbaceous Openland None 1.5 Yes 407 **Sub-Canopy Species** Density Avg. Height Size < 5 feet Wild Red Raspberry High < 5 feet 408 42340 - Upland Spruce/Fir Sawtimber Poor 16.1 43 1-50 N/A Filling in. Large and small trees present.OPIC - FMD: Natural opening5/26/2016 Field notes: Verified, open sandy spot with **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size conifers: balsam fir, white spruce, white pine, jack pine. Mostly sapling 5 12 Quaking Aspen Variable Sugar Maple Medium Variable size, encroaching, but big, open-growing conifers as well. 8 Balsam Poplar 25 Balsam Fir Low Variable Variable 50 43 Balsam Fir 10 Balsam Poplar Medium Variable Variable Quaking Aspen 10 10 Quaking Aspen Medium Variable Variable 10 White Spruce 10 3102 - Grass 9.3 Yes 410 None Planted numerous shrubs, planted to rve in 2013, planted to clover in 2014. Installed gates. Annual mowing, fertilize, and frost seeding. CR438 Hunter Walking Trail.OPIC - FMD: Grass opening along hunter walking trail. Mowed for maintenance in 2018, 2019, 2021. Cultivated in 2017, 2022, 2023, 2024,

Gwinn Mgt. Unit

Report 7 - Stands

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Stand	Level 4 Cover Type	Size Density	Acres Stand Age BA Range	Managed Site	General Comments	MICHIGAN
413	3102 - Grass	None	1.5	Yes	OPIC - FMD: Natural opening along Co Rd 438Mana cultivated in 2016, 2017; mowed in 2018, 2019, 2020 in 2022, 2023, 2024.	