

Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32250 Entry Year: 2027 Acreage: 1,156

County: Marquette

Management Area: Suomi Till and Outwash Plain

Stand Examiner: Kyle Gould

Legal Description:

T46N-R27W. Sections 22,27, and 34.

Identified Planning Goals:

Promote quality forested stands by matching species to site.

Soil and topography:

Ranging from relatively level creek bottoms, swamp conifer, tag alder, and bog marshlands. Upland stands consist of only higher ground which is rolling to slightly hilly. A good logging chance exists throughout the compartment.

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

State ownership within this compartment is mostly contiguous, but does have a block of private ownership within the north half. Timber harvesting along with recreational activities such as hunting, fishing, mushroom & berry picking, and trapping make up the land use component within the compartment.

Unique Natural Features:

The Voelker Lake, East Voelker Lake, Flopper Creek, and other tributaries make up the natural features within this compartment. All of these water bodies feed into the Middle Branch of the Escanaba River.

Archeological, Historical, and Cultural Features:

No features were found within this compartment during this inventory cycle.

Special Management Designations or Considerations:

No special management designations or considerations within this compartment.

Watershed and Fisheries Considerations:

This compartment contains headwater reaches of Flopper Creek and unnamed streams that serve as tributaries to the Middle Branch Escanaba River. Flopper Creek and the unnamed streams are designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 57.9 to 61.3°F (cold streams). 300-ft buffers are recommended for Flopper Creek and the unnamed 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 Suomi Till and Outwash Management Area, on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through underplanting white and red pine. Another priority is to maintain or increase wildlife corridors, especially along riparian corridors. Wildlife management issues in the management area are mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest. The following have been identified as featured species for the Soumi Till and Outwash Management Area: Blackburnian Warbler, Golden-winged Warbler, Kirtland's Warbler, Red Crossbill, Black-backed Woodpecker, Ruffed Grouse, American Marten, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Section 3, T45N R27W and sections 21-22, 27, & 34, T46N R27W, Marquette CountyNo known potential exists for commercial oil & gas production in this part of the state. No active sand/gravel operations are known to exist in the area. There may be some potential for production of sand & gravel within the compartment on the uplands, but the compartment may be too far from populated areas (commercial markets) for any aggregate resources to have significant value beyond use for local road maintenance. No past metallic mineral mining has occurred in this area, and there has been no known ground-based exploration. Potential for metallic and/or critical minerals beneath the compartment is relatively unknown but

is considered low at this time. There is no current mineral leasing activity involving State-owned mineral rights in the area. 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:

The Hemmings Lake Road to the west and the Hawkins Pond Road to the east are the main access roads into this compartment. Various internal two tracks are all bermed within this compartment and are for foot traffic only.

Survey Needs:

Corners are needed for stand 2 and 42.

Recreational Facilities and Opportunities:

No recreational facilities exist. Recreation opportunities consist of hunting, fishing, mushroom & berry picking, and trapping.

Fire Protection:

This compartment is included in the Ishpeming Protection area. Areas of jack & red pine cover types with the encroachment of recreational seasonal dwellings are of concern. Mutual aide agreements with local volunteer fire departments also provide critical fire suppression response, especially in the area of structural fire protection and evacuations.

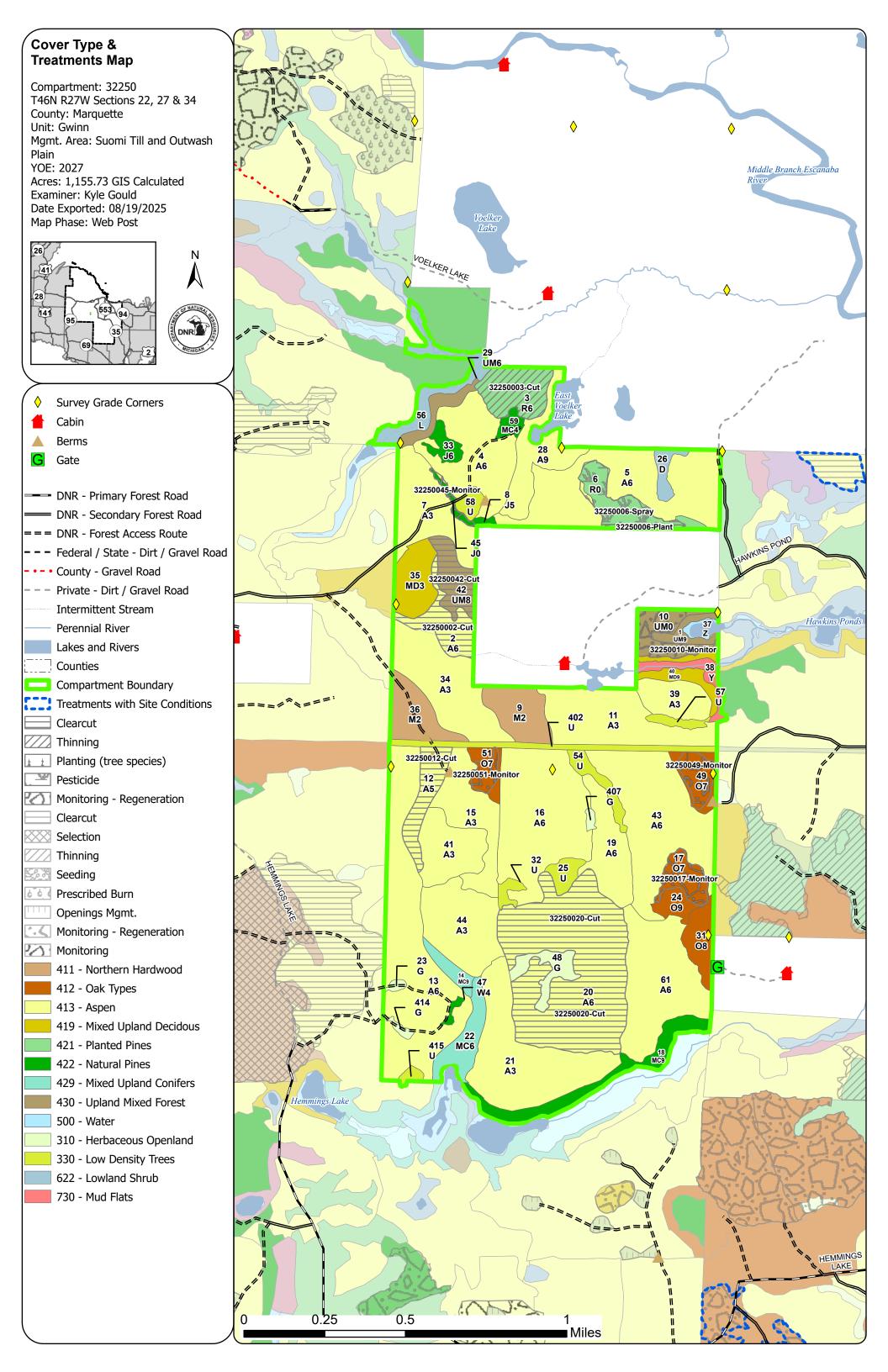
Additional Compartment Information:

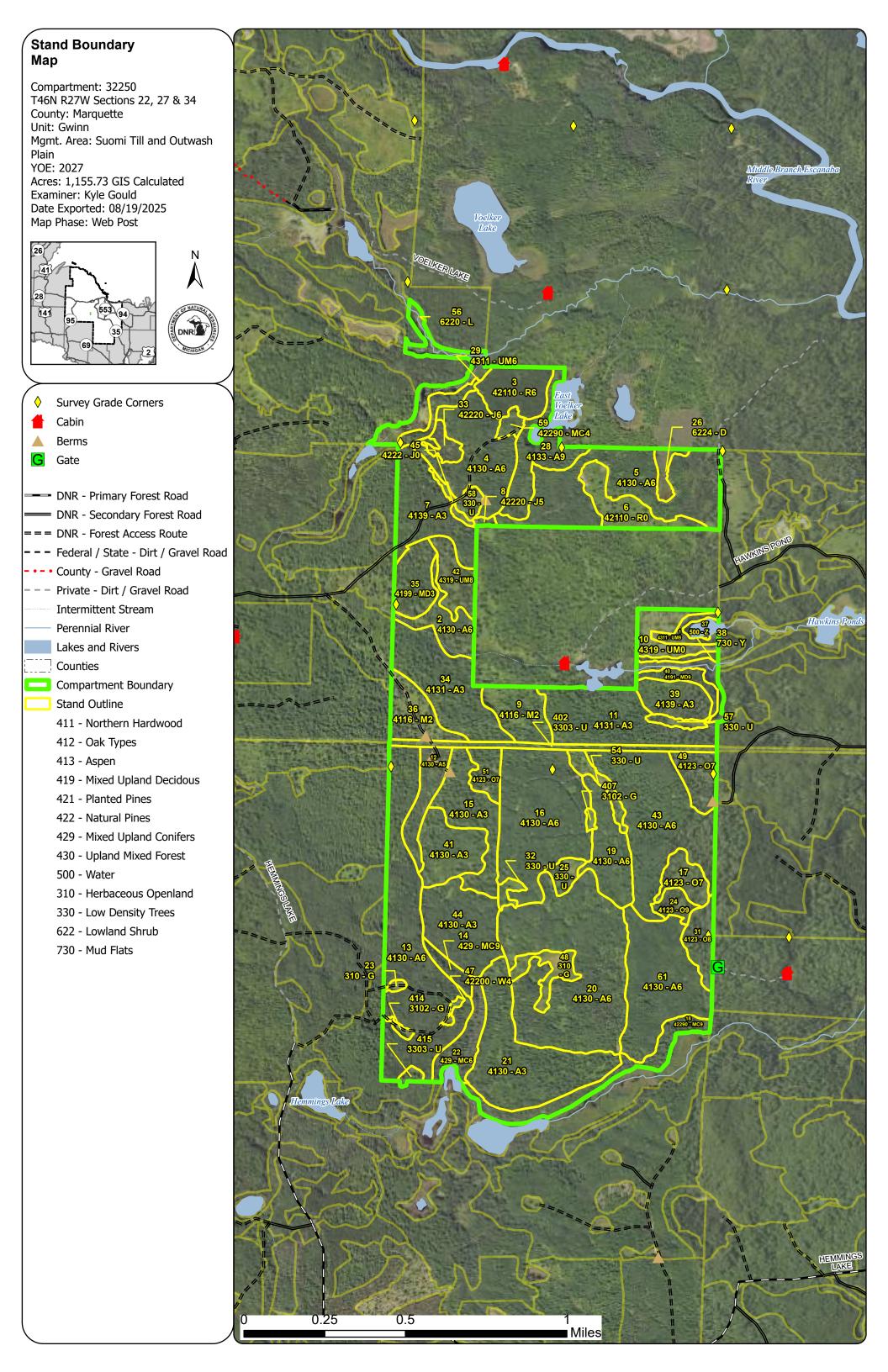
The following reports from the Inventory are attached:

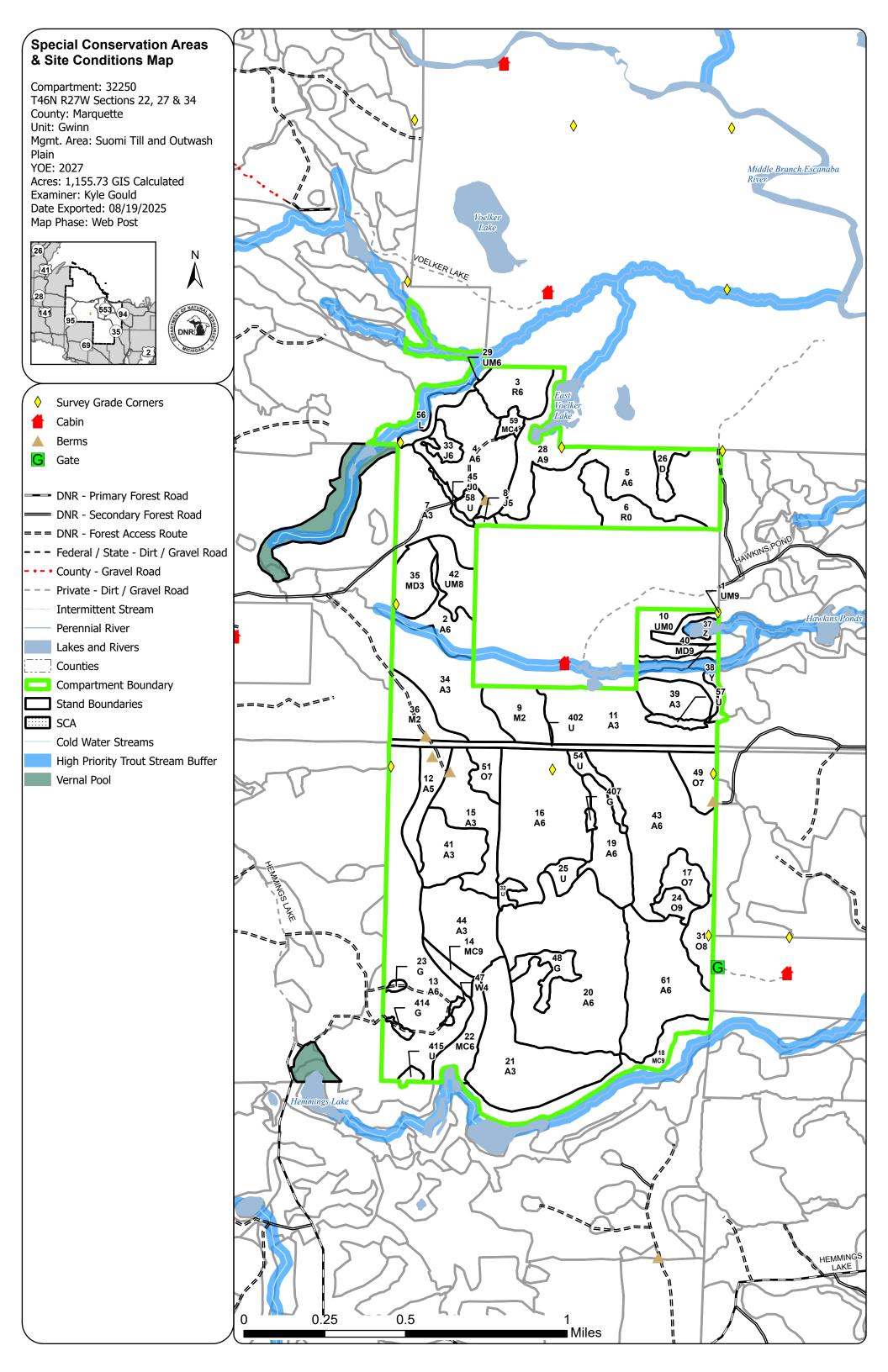
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Gwinn Mgt. Unit Kyle Gould: Examiner



Age Class

	₹ ggg		3 / 2	\$ 2	P K	3 / 1		8/8	\$ / K	R &			70,70			\$ 4.		Jugar Jugar	A A A A A A A A A A A A A A A A A A A
Aspen	0	0	50	291	336	0	134	0	23	0	0	0	0	0	0	0	0	0	834
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Jack Pine	2	0	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	0	8
Low-Density Trees	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Shrub	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	0	0	16	0	0	0	9	0	0	0	0	0	0	0	0	0	0	25
Natural Mixed Pines	0	0	0	0	3	0	0	0	0	0	0	22	0	0	0	0	0	0	25
Northern Hardwood	0	17	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Oak	0	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	12	48
Red Pine	18	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Sand, Soil	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Conifers	0	0	0	0	0	0	0	0	0	14	0	5	0	0	0	0	0	0	19
Upland Mixed Forest	14	0	0	0	0	0	0	14	6	7	0	0	0	0	0	0	0	0	41
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	116	17	68	327	344	0	134	23	29	22	36	27	0	0	0	0	0	12	1155



Report 2 – Treatment Summary

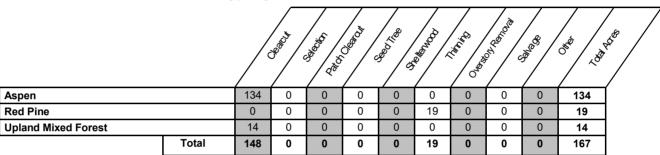
Gwinn Mgt. Unit Year of Entry: 2027

Acres of Harvest

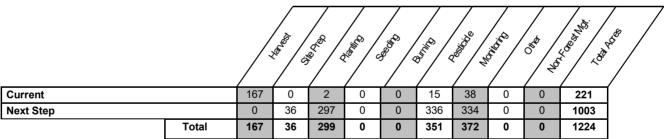
Compartment 250
Total Compartment Acres: 1,156

Commercial Harvest - 1036 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Prescription Clearcut to 2" spec. Leave retention where the pine and oak concentration is heaviest.

Specs:

Next Step Pesticide, Aerial - Site Prep; Planting, Unfurrowed; Monitoring, Artificial Regen; Pesticide, Aerial - Release; Monitoring, Artificial Regen

(3yr); Planting, Interplant Treatments:

<u>Acceptable</u> planted red pine

Regen:

Other most pine is in the eastern or southern end

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Gwinn Mgt. Unit Report 3 -- Treatments Compartment: 32250 Year of Entry: 2027 **Cover Type Treatment** Acres Stand Size Stand BA **Treatment Treatment** Age Habitat Name Method Objective Structure CoverType Density **Type** Age Range Cut 32250042-Cut 13.8 4319 - Mixed Upland 1-50 Harvest Clearcut 4211 - Planted **Planting** No Red Pine Forest Record Prescription Clearcut with retention. Leave a small retention patch on the south end along the aspen stand. Pesticide, Skidder - Site Prep; Planting, Unfurrowed; Monitoring, Artificial Regen; Pesticide, Aerial - Release; Monitoring, Artificial Regen; Next Step Treatments: Planting, Interplant; Pesticide, Aerial - Site Prep; Pesticide, Drone - Site Prep; Pesticide, Ae

Acceptable planted red pine

Regen:

Specs:

s

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d

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Approved Treatments:

	60006- ant	2.0 42110 - Planted Red Pine	0		matu re	Planting	Planting (tree species)	4211 - Planted Red Pine	Planting Record	No
Prescription Specs:	Plant at 68	30 TPA								
Next Step Treatments:	Monitoring	ı, Artificial Regen; Planting, l	nterplant;	Monitorin	g, Artific	ial Regen (3yr)				
Acceptable Regen:	Red Pine.									
Other Comment:	Percent to	Treat = 100%								
Site Conditio	<u>n:</u>									
Proposed St	art Date: 1	10/01/2025								
	60006- oray	14.9 42110 - Planted Red Pine	0		matu re	Pesticide	Pesticide	4211 - Planted Red Pine		No
Prescription Specs:										

Planting, Unfurrowed; Monitoring, Artificial Regen; Pesticide, Skidder - Release; Planting, Replant; Monitoring, Artificial Regen (3yr) Next Step

Treatments:

Acceptable Red Pine.

Regen:

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

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

S t	Gwin	n Mgt. Unit		Repoi	rt 3 1	Freatments		Compartmer Year of Entr		DNR
a n Treati d Nar		Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
	0010- 13.0 4 nitor	1319 - Mixed Upland Forest	0	4	lmmatu re	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Planting Record	No
Prescription Specs:	check to see if it i	needs scarification								
Next Step Treatments:	SitePrep, Scarific	ation; ; Monitoring,	Natural F	Regen (Ir	ntermedia	te)				
Acceptable Regen: Other	Pine, oak, aspen,	fir, spruce, maple ar	d birch.							
Comment:	n-									
Site Condition Proposed Sta	<u>n:</u> art Date: 10/01/2	020								
	0017- 10.0	4123 - Red Oak	7	90	1-50	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Cutting Record	No
Prescription Specs:	check to see if it i	needs scarification								
Next Step Treatments:	SitePrep, Scarific	eation								
Acceptable Regen:	Maple, oak, aspe	n, pine and birch								
Other Comment:	Percent to Treat :	= 100%								
Site Conditio	<u>n:</u>									
Proposed St	art Date: 10/01/2	020								
	0045- 2.1 anitor	4222 - Natural Jack Pine	0	1		Monitoring	Monitoring - Regeneration	4222 - Natural Jack Pine		No
Prescription Specs:										
Next Step Treatments:	Monitoring, Artific	ial Regen (3yr)								
Acceptable Regen:	pine, oak, maple,	aspen.								
Other Comment:	Percent to Treat	= 100%								
Site Conditio	<u>n:</u>									
Proposed St	art Date: 10/01/2	024								
	0049- 8.3 nitor	4123 - Red Oak	7	90	1-50	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Cutting Record	No
Prescription Specs:	check to see if it i	needs scarification								
Next Step Treatments:	SitePrep, Scarific	ation								
Acceptable Regen:	Maple, oak, pine,	aspen and birch.								

Other Comment:

S t a		Gwin	n Mgt. Unit		Repoi	t 3 '	Treatments		Compartmer Year of Entr		DNR DNR
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
Pres		4.5 r to see if t	4123 - Red Oak he stand has succes	7 ssfully rege	90 nerated.	1-50	Monitoring	Monitoring - Regeneration	4199 - Other Mixed Upland Deciduous	Cutting Record	No
Next		ep, Scarific	ation; ; Monitoring	ı, Natural F	Regen (Ir	ntermedia	ite)				
Acce Rege		aple, pine,	aspen and birch.								
Othe Com	<u>r</u> Percer <u>ment:</u>	nt to Treat =	= 100%								
Site	Condition:										

Total Treatment Acreage Proposed: 221.4

Proposed Start Date: 10/01/2020

Report 4 – Site Conditions

Gwinn Mgt. Unit

Kyle Gould: Examiner

Compartment: 250 Year of Entry: 2027



Availability for Management Total Acres Acres Avail Acres Acres Available With Condition Not Available Dominant Site Conditions 3D 3J 5E

Acres	Available	With Condition	Not Available		3D	3J	5E
834	811	0	23	Aspen		23	
13	13	0	0	Herbaceous Openland			
8	7	0	1	Jack Pine			1
35	35	0	0	Low-Density Trees			
19	19	0	0	Lowland Shrub			
25	16	0	9	Mixed Upland Deciduous		9	
25	3	0	22	Natural Mixed Pines		22	
35	35	0	0	Northern Hardwood			
48	48	0	0	Oak			
20	19	0	1	Red Pine			1
1	0	0	1	Sand, Soil		1	
5	5	0	0	Treed Bog			
19	0	0	19	Upland Conifers	5	14	
40	28	0	12	Upland Mixed Forest		12	
3	3	0	0	Water			
1	1	0	0	White Pine			
1,131	1,045	_	86	Total Forested Acres	5	79	2
	92%		8%	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.

Comme		3J: Water quality/BMPs (stream, river, or lake)	23	Unspecified	Unspecified	Unspecified	Unspecified					
	nte:					•	Unspecified					
Comments: Stand acts as a buffer along East Voelker Lake and also a small wetland that heads south of the lake.												
Una	vailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified					

Report 4 - Site Conditions

Gwinn Mgt. Unit
Kyle Gould: Examiner

Compartment: 250 Year of Entry: 2027



Unspecified 3 Unavailable 3D: Recreational/scenic 5 Unspecified Unspecified Unspecified values Comments: Small stand of white and red pine of large diameter. A great stand of biodiversity amongst a sea of young aspen. 4 Unavailable 3J: Water quality/BMPs 5 Unspecified Unspecified Unspecified Unspecified (stream, river, or lake) Comments: Buffer along lake and drainage that heads west of lake. Unavailable 3J: Water quality/BMPs 3A: Conservation values Unspecified Unspecified Unspecified 5 15 (stream, river, or lake) incompatible with harvest at this time Comments: A buffer along a nearby drainage and also a stand of large diameter red and white pine. Unspecified 6 Unavailable 3J: Water quality/BMPs 24 Unspecified Unspecified Unspecified (stream, river, or lake) Comments: Unspecified Unspecified Unspecified Unspecified Unavailable 5E: Long-Term Retention 1 Comments: 5E: Long-Term Retention Unspecified Unspecified 9 Unavailable Unspecified Unspecified 1 **Comments:** 24 Unavailable 3J: Water quality/BMPs 5 2F: Too steep Unspecified Unspecified Unspecified (stream, river, or lake) Comments: Stand acts as a buffer for nearby stream and riparian area.

Report 4 – Site Conditions

Gwinn Mgt. Unit Kyle Gould: Examiner



40	Unavailable	le 3J: Water quality/BMPs 10 (stream, river, or lake)		3G: Other influence zones - See comments	Unspecified	Unspecified	Unspecified
(Comments:						
l	Buffer along drainag	e.					

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				



Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed Si	te	General Comments			
1	4311 - Pin	e, Aspen M	lix	Sawtimb	er Well	5.6	75	81-110	N/A		Old stand of mixed deciduous and conifer. Stand is in need of treatment			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Mostly larger pine with a mix of deciduous species.			
	White Pine	20		16	75	Re	d Maple	Medium	Variable	Variable				
	Quaking Aspen	10		10		Haze	Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet				
	Red Pine	20		16	75	WI	nite Pine	Medium	Variable	Variable				
	Paper Birch	5	Seedling	8							<u>-</u>			
	Bigtooth Aspen	20		12	75									
	Jack Pine	10		12										
	Red Maple	15	Seedling	8										
2	4130	- Aspen	I	Poletimb	er Well	14.7	55	1-50	N/A		Mixed stand of aspen, red maple, and red oak. The aspen is old and			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	starting to decline. The red maple is poor quality and fairly large. There is a good amount of larger oak in the overstory. There is oak in the			
	Red Maple	20		11		R	ed Oak	Medium	Variable	Variable	understory. The stand should be harvested to restart the aspen and			
	Quaking Aspen	50		9	55	Haze	Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	release the advanced oak patches.			
	White Pine	5	Seedling	8				,			_			
	Red Oak	15		15										
	Bigtooth Aspen	10		12										
3	42110 - Pla	nted Red P	ine	Poletimb	er Well	19.1	24	1-50	N/A		2025 - the stand looks healthy and fully stocked. Stand was cut in 1999 TS# 30-98-01. FTP #C-31-406 for herbicide, disk trench, and contract			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	hand plant red pine seedlings. Pine seedlings were planted in the spring			
	Jack Pine	25	Log	4		Re	d Maple	Low	Variable	Variable	of 2001. Stand has become established and looks good. Jack pine			
	Red Maple	2	Log	2							volunteers are scattered throughout the stand but are good quality. Rec			
	Red Pine	73	Sapling	6	24						maple stump sprouts are here and there within the stand.			
4	4130	- Aspen		Poletimb	er Well	40.0	37	1-50	N/A		2025 - Trace amounts of white pine and jack pine. Stand is pole sized			
	Canopy Species	% Cover	Size Class	DBH	l Age						and looks healthy. Stand was cut in 1988. TS# 22-87. A decent stand of aspen. Big tooth is better quality than the quaking. Certain pockets			
	Red Oak	10		14							within the stand are showing aspen decline but nothing too severe.			
	Quaking Aspen	30	Seedling	7							Continue to monitor the stand each YOE to see if the decline gets			
	Bigtooth Aspen	60	Seedling	7	37						worse.			
5	4130	- Aspen		Poletimb	er Well	66.0	37	1-50	N/A		Stand was cut in 1988. TS# 22-87. Stand of medium quality. Some			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas the aspen looks good while other areas it looks poor due to pocket decline. Overall the stand is doing pretty good but should be			
	Red Maple	15	Sapling	5		Re	d Maple	Medium	Variable	Variable	monitored each YOE. Small openings exist within the stand as do			
	Bigtooth Aspen	45	Seedling	6	37	Ja	ck Pine	Low	Variable	Variable	pockets of jack pine that are the same age. The western half of the			
	Quaking Aspen	30	Seedling	6		WI	nite Pine	Low	Variable	Variable	stand much contain better soils as the trees appear healthier and are bigger diameter.			
	Jack Pine	10	Seedling	5					1					
6	42110 - Pla	nted Red P	ine	Unspe	cifed	17.7	1 lı	mmature			A stand of off site aspen. Very poor quality. Stand should be cut and converted to either jack pine or red pine. Aspen is small diameter and in very poor condition. A couple of cords per acre at best. Under FTP C32 922			

t 7 – Stands Compartment: 250 Year of Entry: 2027

DEPARTMENT OF	NATURAL PLANTS
O. M.	CHIGAN .

Stand	l Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	e Managed Site		General Comments
7	4139 - Aspen, Canopy Species		iduous Size Class	Sapling Well	32.5	26	Immature Density	N/A	Size	2025 - fully stocked stand and healthy. Large oak and some pine were left. There is some regeneration from seed but spotty. Stand was cut in
	Red Oak	10	Size Class	16		d Maple	Medium	Variable	Variable	1999. TS# 19-98-01. Tree length skidding was used to scarify the site. Stand currently consists of red maple, jack pine, aspen and large oak
	Quaking Aspen	35	Sapling	5 26		Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	scattered throughout the stand. Stand is in good condition.
	Jack Pine	5	Pole	4		nite Pine	Low	Variable	Variable	
	Bigtooth Aspen	20	Sapling	5		ck Pine	Low	Variable	Variable	
	Red Maple	30	Pole	4		ed Oak	Low	10 - 20 feet	10 - 20 feet	
8	42220 - Na	tural Jack F	Pine P	oletimber Mediur	n 1.1	87	81-110	N/A	1	This is the retention from stand 45 that was harvested. Contains a few
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	arge oak and pine.
	Jack Pine	85		12 87		ed Oak	Low	Variable	Variable	
	Red Oak	5		14	Haze	Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	10		10	Re	d Maple	Medium	Variable	Variable	
9	4116 - Mixed N.	Hardwood	- Aspen	Sapling Medium	17.9	15	Immature	N/A	1	2025 - stand is heavy to red maple in areas with more overstory. Areas
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	that are more open have heavier aspen component. The NW corner of the stand is mostly open. Sale was harvested in 2010: TS#114-07-01.
	White Pine	2		15	Wh	nite Pine	Low	Variable	Variable	All oak was left. Currently the red maple stump sprouts are what
	Red Oak	10		14	Re	ed Pine	Low	Variable	Variable	dominate the stand in terms of regeneration. The aspen regen. is poorer
	Red Maple	63	Log	2 15	Haze	Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	quality due to the sandy soils. Scattered mature oak and red pine are throughout the stand. The stand should continue to fill in as it gets older.
	Quaking Aspen	20	Log	3						
	Red Pine	5		15						
10	4319 - Mixed	d Upland Fo	orest	Unspecifed	14.1	4	Immature			2025 - stand is starting to regenerate to a mix of conifer and red maple. Most trees are less than 4 feet tall. Pine is starting to fill in. Regen check
					Sub-Car	nopy Species	Density	Avg. Height	Size	next entry period.
						king Aspen	Low	5 - 10 feet	5 - 10 feet	
						Isam Fir	Low	5 - 10 feet	5 - 10 feet	
					Wh	nite Pine	Low	< 5 feet	< 5 feet	
					Re	d Maple	Medium	< 5 feet	< 5 feet	
11	4131 - A	Aspen, Oak		Sapling Well	43.0	27	Immature	N/A	\	2025 - stand is good quality aspen with a little red maple mixed in. There is about 25% canopy cover of red oak and pine. There is an old road
	Canopy Species		Size Class	DBH Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	through the stand that connects with the west end of the opening (stand
	White Pine	5		12		ed Oak	Medium	Variable	Variable	57). The north edge of the stand bumps up to a wetland that is mostly
	Quaking Aspen	30	Pole	4 27		nite Pine	Medium	Variable	Variable	on private land. Stand was cut in 1998. TS# 16-98. Previous notes say the stand was well scarified during the timber sale harvest and the
	Red Oak	25		16	Re	d Maple	Medium	Variable	Variable	hopes were oak would regenerate back. Aspen is the dominant species
	Bigtooth Aspen	30	Pole	4 27						but some oak within the understory do exist. Manage as an aspen stand.
	Red Maple	10	Log	4						
12		- Aspen		oletimber Mediur			Inspecified	N/A		Small stand that consists of poorer quality aspen. It is ready to harvest.
	Canopy Species		Size Class	DBH Age		nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	95	Seedling	8 52		king Aspen	Low	Variable	Variable	
	White Pine	5		12		nite Pine	Low	Variable	Variable	
					Haze	Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed Si	ite	General Comments			
13	4130	- Aspen		Poletimbe	er Well	86.2	35	1-50	N/A		2025 - Stand is healthy and good quality aspen. There is heavier oak in			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the north end of the stand. Sale was cut in '90. T-sale #025-87-1. All oak were left. Stand consists of nice aspen with scattered log sized oak			
	Quaking Aspen	20	Seedling	6		Haze	Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	throughout.			
	Red Oak	10		15		Re	ed Oak	Low	Variable	Variable				
	Bigtooth Aspen	55	Seedling	6	35	Re	d Maple	Medium	Variable	Variable				
	Red Maple	15	Sapling	5										
14	429 - Mixed l	Jpland Con	ifers	Sawtimbe	er Well	5.1	108	111-140	N/A		Nice stand of white pine with a few red pine mixed in. Stand is a small			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	valley and makes for a unique area given the young aspen all around it. There is a small strip of wet soils in the middle of the stand. There is a			
	Balsam Fir	18	Sapling	7		Haze	Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	small stream that starts in the stand to the south. Do not manage.			
	Red Pine	15		18		Re	d Maple	Medium	Variable	Variable				
	White Spruce	14		9		Ва	lsam Fir	Medium	Variable	Variable				
	Paper Birch	5		10							-			
	White Pine	20		20	108									
	Red Maple	15		10										
	Quaking Aspen	13		12										
15	4130	- Aspen		Sapling	Well	27.4	13	1-50	N/A		2025 - stand of small, pole-sized trees. All look healthy. There is a fairly			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	heavy overstory of oak and pine left from the last cut. Stand was harvested in 2012: TS#114-07-01. Regeneration has flushed back and			
	White Pine	10		12		Re	d Maple	Low	10 - 20 feet	10 - 20 feet	looks good. Scattered mature oak, red and white pine left throughout the			
	Quaking Aspen	30	Log	2	13						stand.			
	Bigtooth Aspen	30	Log	2										
	Red Maple	20	Log	2										
	Red Oak	10		15										
16	4130	- Aspen		Poletimbe	er Well	67.8	36	51-80	N/A		2025 - stand of nice quality, pole sized aspen. Part of the oak was cut			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	last time. That oak has sprouted back fairly well and is competing with the aspen. This is a better quality site than most the aspen in the area.			
	Bigtooth Aspen	70	Seedling	7	36	Re	d Maple	Medium	Variable	Variable				
	Quaking Aspen	25	Seedling	7							OPIC - FMD: Was commercially cut in 1988-89 by Minerick Logging,			
	Red Oak	5		15							Inc, permit #24-87, "Plevna Block". Approx 4 oak per acre were left (marked with green paint). Access was from the northwest side of the			
											sale.			
17	4123 -	Red Oak		Sawtimbe	er Poor	10.3	90	1-50	N/A		2025 - the oak has sprouted back well. The stump sprouts look very			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	good and there is also some oak from seed. There is moderate red maple regen as well as a little white pine. monitor the stand and conside			
	White Pine	10		9		Wh	nite Pine	Low	Variable	Variable	releasing if the oak grows well. Stand was harvested in the summer of			
	Red Oak	90		14	90	Re	d Maple	Medium	Variable	Variable	2020. Dandy DHK: 108-17. 30-40 Square feet of residual oak was left			
						Bigto	oth Aspen	Low	Variable	Variable	within the stand to promote more oak regeneration via. stump sprouts and seed origin oak. A tracked processor was used to harvest the sale			
						Re	ed Oak	Low	Variable	Variable	which provided additional scarification. 2020 was a great year for acorns			
											as well so hopefully we will see more oak regeneration in this stand.			

7 - Stands Compartment: 250 Year of Entry: 2027 DNR DNR

Stand	Level 4 Co	evel 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments						
18				Sawtimber Well		21.6	21.6 108		N/A	A	Nice stand of mature white pine and red pine with scattered deciduous \neg Stand acts as a buffer along the stream edge. White pine and red pine
	Canopy Species	% Cover	Size Class		l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	are very good quality and large diameter.
	Red Pine	32		20		Bal	sam Fir	Medium	Variable	Variable	
	Red Maple	4	Seedling	8		Wh	ite Pine	High	10 - 20 feet	10 - 20 feet	
Nor	thern White Cedar	5	Seedling	8		Re	d Maple	Low	Variable	Variable	
(Quaking Aspen	2		14							
	Black Spruce	5	Seedling	7							
	Paper Birch	2	Seedling	8							
	White Pine	50		20	108						
19	4130 -	Aspen		Poletimb	er Well	23.0	37	1-50	N/A	A	Stand was cut in 1989. TS #24-87. Stand contains poor quality aspen
	Canopy Species	% Cover	Size Class	s DBH Age		Sub-Car	nopy Species	Density	Avg. Height	Size	due to poor soil quality. Stand is currently too young to manage. A couple of the small openings that exist within the stand are filling in with
	Red Maple	17	Pole	4		Re	d Maple	Medium	Variable	Variable	red pine.
	Red Pine	2		10		Haze	nut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
(Quaking Aspen	79	Seedling	7	37	Wh	ite Pine	Low	Variable	Variable	
	Red Oak	2		12				1	1		•
20	4130 - Aspen			Poletimb	er Well	104.8	50 U	nspecified	N/A	A	2025 - Poor to medium quality aspen stand. A good portion of the trees
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	are showing some sign of decline. The aspen looks to be a bit off site. This may be a good stand to convert to a pine cover type with the
	Red Maple	6	Seedling	7		Re	d Maple	Low	Variable	Variable	abundance of aspen in the area. 2015 - This stand was treated
(Quaking Aspen	86		9	50	Quak	ing Aspen	Low	Variable	Variable	noncommercially in 1975 by Wildlife Division with KG treecutter - roller
	Red Pine	2		16				'	1		chopper, FTP #W3-517. Some areas of the stand show signs of declin while other areas look good. Due to small diameter and 40 year old
	White Pine	3		8							trees, hold the stand for 10 years. Check in the next YOE for possible
	Jack Pine	3		9							harvest.
21	4130 -	Aspen Sapling Well			58.2 28 Immature			N/A	A	2025 - stand of sapling sized aspen with a light to moderate stocking of	
	Canopy Species	% Cover Size Class		s DBH Age		Sub-Car	nopy Species	Density	Avg. Height	Size	red and white pine, heavier in the east end of the stand. Harvested in 1999. TS# 7-97-01. A nice stand of aspen regeneration exists.
(Quaking Aspen	40	Log	3	28	Re	d Maple	Medium	Variable	Variable	Scattered mature red oak was left in the stand.
	Red Pine	5		10		Re	ed Oak	Low	Variable	Variable	
E	Bigtooth Aspen	30	Log	3	28	Quak	ing Aspen	Low	Variable	Variable	
	White Pine	10	Seedling	8		Wh	ite Pine	Low	Variable	Variable	
	Red Maple	5	Log	2				'			
	Red Oak	10		15							
22	429 - Mixed U	pland Coni	fers	Poletimb	er Well	13.5	87	51-80	N/A	A	Stand consists of a steep valley that slopes down to tag alder and a small stream in the middle. The ridge contains upland species such as
	Canopy Species	% Cover	Size Class	DBH	l Age		nopy Species	Density	Avg. Height	Size	aspen and pine. Do not manage, keep as a riparian area. This stand is
	Paper Birch	25		10			sam Fir	Medium	Variable	Variable	essentially the headwaters of a small stream.
E	Bigtooth Aspen	15		10	87	Blac	k Spruce	Low	Variable	Variable	
	Red Pine	13		18		Та	g Alder	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce	27		10	87			<u></u>			
Nor	thern White Cedar	10		12							
	White Pine	10		12							



Stand	d Level 4 Cover Type			Size De	nsity	Acres	Stand Age B	A Range	Managed Si	ite	General Comments
23	310 - Herbad	310 - Herbaceous Openland			None		U	nspecified	No		Small opening mostly free of trees.
24	4123 -	Red Oak		Sawtimbe	er Well	5.8	90	1-50	N/A		This was part of stand 17 but was not treated in 2020 with the rest. This
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	is essentially a bowl with fairly steep slopes down to a small wetland. It is not too steep to harvest but likely best left to protect the slopes and
	White Pine	10		9		Bigto	oth Aspen	Low	Variable	Variable	wetland.
	Red Oak	90		14	90	Wh	nite Pine	Low	Variable	Variable	
						Re	d Maple	Medium	Variable	Variable	
						R	ed Oak	Low	Variable	Variable	
25	330 - Low-Density Trees None				е	5.2			No		Opening is about half filled in with aspen. There are some large overstory oak and pine as well.
26	6224 - Treed Bog None			4.9			No		Treed bog. South end has seen lots of beaver activity in the past. Most trees in the bog are dead from high water.		
28	4133 - Asp	en, Mixed P	ine	Sawtimbe	er Well	23.4	76	51-80	N/A		2025 - aspen in the stand is large and falling apart. The pine is doing well. The eastern part of the stand is heavier to pine and smaller
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	diameter than the rest. OI comments state: This stand was left in 1988
	Red Maple	20	Seedling	9		Re	d Maple	Medium	Variable	Variable	to act as a visual buffer when both stands 4 & 5 were cut, but also
	Jack Pine	11		12		Ta	ng Alder	Low	5 - 10 feet	5 - 10 feet	because it protects a drainage or seepage of water flowing northward into East Voelker Lake. The central core of this stand is lowland brush.
	Red Pine	7		18		Haze	Inut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	The north part of this stand consists of some large diameter red pine
	White Pine	7		18		Wh	nite Pine	Medium	Variable	Variable	and white pine. Do not manage, maintain as a wildlife corridor.
	Paper Birch	10		10							
	Bigtooth Aspen	20		14							
	Quaking Aspen	25		14	76						
29	4311 - Pir	ie, Aspen M	ix	Poletimbe	er Well	6.7	87	51-80	N/A		2025 - agree with previous comments. The stand is old but with the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	steep ridge and wetland it should not be managed. Buffer strip along a flowage. Stand consists of a steep ridge down to the wetland edge.
	Paper Birch	10	Seedling	9		Haze	Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	Jack pine and paper birch are in very poor condition. Paper birch
	Bigtooth Aspen	30		9		R	ed Oak	Low	Variable	Variable	contains dead and dying tops and is falling out of the stand. I notice a
	Red Maple	10	Seedling	8		Blac	k Spruce	Low	Variable	Variable	few oak seedlings but they are browsed quite heavily. Do not manage.
	Jack Pine	50		11	87	Re	d Maple	Medium	>20 feet	>20 feet	
						WI	nite Pine	Low	Variable	Variable	
31			Sawtimber Medium		n 11.4	93	51-80	N/A		2025 - The overstory trees are mature and ready to harvest. The advanced regeneration is about half oak and would make a good oak	
	Canopy Species	% Cover	Size Class	DBH			nopy Species	Density	Avg. Height	Size	mix stand if the overstory was removed and some more sprouting would
	Red Oak	90		15	93		nite Pine	Low	10 - 20 feet	10 - 20 feet	likely take off. Stark contrast in looking at this stand in which previous
	White Pine	10		10			oth Aspen	Low	10 - 20 feet	10 - 20 feet	management has cut some oak versus the other stands within this compartment in which no oak was cut. This stand has a decent amount
						R	ed Pine	Low	10 - 20 feet	10 - 20 feet	of oak regeneration, mostly in the form of stump sprouts. A more open
						Re	d Maple	Medium	Variable	Variable	canopy has also led to better regeneration of other species such as pin-
						Haze	Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	and red maple.
						R	ed Oak	Medium	Variable	Variable	



Stand	d Level 4 C	Size Density Acres		s Stand	I Age E	BA Range	Managed S	ite	General Comments			
32	330 - Low-	330 - Low-Density Trees		None	2.8	3			No		Q few open grown pine but otherwise clear opening.	
33	42220 - Na	tural Jack P	Pine	Poletimber V	Vell 5.	J 37	7	1-50	N/A		2025 - Good quality stand of jack pine. The stand did take some snow	
	Canopy Species Quaking Aspen Jack Pine	% Cover 10 90	Size Class Seedling Seedling	6 5 3							and ice damage in the last few years. Overall the stand looks healthy. There is some aspen mixed in and a few large oak. Stand was cut in 1988. Permit #22-87.	
34	-	Aspen, Oak		Sapling We		5 27	7	Immature	N/A	<u> </u>	2025 - stand of moderate density aspen with red maple. The overstory	
	Canopy Species	% Cover	Size Class	DBH Ac	ie Sub-	Canopy S	Species	Density	Avg. Height	Size	was left a bit dense with oak and that is hindering the aspen in areas.	
	Red Maple	25	Log	3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Red Mapl	-	Medium	Variable	Variable	Those places have filled in with red maple. Stand was cut in 1998. TS #14-98. Stand of young aspen with scattered mature oak throughout.	
	Bigtooth Aspen	30	Log	3 2	7 H	azelnut (S		Medium	5 - 10 feet	5 - 10 feet	Some of the oak is showing signs of decline.	
	Red Oak	25		16		Red Oak		Low	Variable	Variable		
	Quaking Aspen	20	Log	3	В	igtooth As	pen	Medium	Variable	Variable		
					uaking As		Medium	Variable	Variable			
35	5 4199 - Other Mixed Upland Deciduous			Jpland Deciduous Sapling Well			3	Immature	N/A		Former cut. Scattered oak left throughout the stand. Regen looks	
	Canopy Species	% Cover	Size Class	DBH Ag	je Sub-	Canopy S	pecies	Density	Avg. Height	Size	healthy and is heavy to red maple probably due to the heavier overstory left on the stand.	
	White Pine	5	Log	3	H	azelnut (S	pp.)	Medium	5 - 10 feet	5 - 10 feet		
	Red Oak	20		15		Red Oak	(Medium	Variable	Variable		
	Red Maple	55	Log	2 20	3							
	Quaking Aspen	20	Log	3								
36	4116 - Mixed N.	Hardwood	- Aspen	Sapling Medi	um 17.	2 4		Immature	N/A	1	2025 - stand is regenerating to moderately dense red maple and asper	
	Canopy Species	% Cover	Size Class	DBH Ag	je						The conifers should continue to fill in. There is a significant amount of overstory pine in areas and the regeneration is less in those areas.	
	Red Maple	60	Log	1 4							,.	
	Quaking Aspen	30	Log	1							Stand was harvested in the summer of 2020. Dandy DHK 108-17.	
	Balsam Fir	10	Log	1							Stand contains scattered mature pine and oak. Stand should regenerat back to a mix of both conifer and deciduous species.	
37	500	- Water		None	3.2	2	L	Jnspecified	No		2025 - springs flow in from the west end of the lake out of stand 1. There was a little open water even during the very cold conditions at the time of the site visit. OPIC - FMD: Locally known as "Kirkasjarvi" in the Finnish language which translates as "Clear Lake". Pond is spring fed and very clear water. Brook trout were present at one time.	
38	730 - I	Mud Flats		None	7.2	2			No		2025 - beaver dam is still mostly intact. The water is flowing through an the flooding is drained down currently. OI Notes: Alder creek bottom which is periodically flooded by beaver. Currently it is mostly flooded ar thus typed "Z".	



Stand	Level 4 Co	vel 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments						
39	4139 - Aspen, Mixed Deciduous				ıg Well	15.1	27 l	mmature	N/A	\	2025 - Stand was cut in 1998. TS#16-98. Stand consists of poorer quality aspen with a mix of red maple and pine throughout. Large oak
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and white pine left scattered throughout the stand.
	Quaking Aspen	53	Log	4	27	Qua	king Aspen	Low	Variable	Variable	
	Red Oak	10		16		Ja	ack Pine	Medium	10 - 20 feet	10 - 20 feet	
	Red Maple	25	Sapling	5		Re	ed Maple	Low	Variable	Variable	
	White Pine	7		12		W	hite Pine	Medium	10 - 20 feet	10 - 20 feet	
	Jack Pine	5	Pole	4							
40		4191 - Mixed Upland Deciduous with Sawtimber Well Conifer		9.2	60	51-80	N/A	Λ.	A mixed stand of conifer and deciduous of various ages. Stand was let as a no-cut buffer along the stream edge.		
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	20		14	60	Re	ed Maple	Medium	Variable	Variable	
	Red Maple	38	Seedling	8	60	Haze	elnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	5		10		W	hite Pine	Medium	Variable	Variable	
	Quaking Aspen	2		12						1	1
	White Pine	30		18							
	Red Oak	5		15							
41	4130 - Aspen Sapling Well			23.0	13 l	mmature	N/A	٨	2025 - aspen regenerated nicely. Most bigtooth aspen with some red maple sprouts. The western part of the stand is heavier to oak and shi		
	Canopy Species % Cover Size Class		DBH Age		Sub-Ca	Sub-Canopy Species		Avg. Height	Size	pine. Harvested in 2012. TS#114-07-01. All oak and red and white	
	Bigtooth Aspen	70	Log	2	13	Re	Red Maple		Variable	Variable	pine were left.
	Red Oak	10		15							
	White Pine	5	Seedling	8							
	Quaking Aspen	10	Log	2							
	Red Maple	5	Log	2							
42	4319 - Mixed Upland Forest		rest Sawtimber Mediu		m 13.8	60	1-50	N/A	٨	This stand is an old opening that has filled in. There is some older jack	
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine in the middle with aspen encroaching from all sides and a mix of other species in the more open areas. This was split off of stand 2 and
	Paper Birch	4	Seedling	8		Qua	king Aspen	Low	Variable	Variable	very little oak is within this piece.
	Quaking Aspen	9	Seedling	8		W	hite Pine	Low	Variable	Variable	
	Jack Pine	45		12	60	F	Red Oak	Low	Variable	Variable	
	Red Oak	8		14		Haze	elnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	34	Seedling	9		Re	ed Maple	Medium	Variable	Variable	
43	4130 - Aspen P Canopy Species % Cover Size Class			Poletim	ber Wel	l 65.9	28	1-50	N/A	١	Stand was harvested in 1997, permit #106-97-01. All oak, red & white
			DE	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine was left. Note: Basal area of oak from cruise made in Jan 1997 was 22 sq.ft/Acre.	
	Quaking Aspen	35	Pole	4		Re	ed Maple	Medium	Variable	Variable	Stand consists of good quality aspen. Stems per acre is high, stand is
	Bigtooth Aspen	45	Seedling	5	28						quite dense.
	White Pine	5		12							
	Red Oak	10		15							
	Red Maple	5	Pole	4							



Stand	d Level 4 C	Cover Type		Size Density	Acres	Acres Stand Age B		Managed Si	te	General Comments
44	4130 - Aspen			Sapling Well	35.0	26	Immature	N/A		2025 - fully stocked aspen stand. Looks like good quality and nearing pole sized trees. Harvested in 1999. TS# 7-97-01. Scattered mature
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	red oak was left throughout the stand. White pine within the understory
	Quaking Aspen	45	Pole	4 26	Qual	king Aspen	Low	Variable	Variable	and a few scattered throughout the stand.
	Bigtooth Aspen	30	Pole	4	W	hite Pine	Low	Variable	Variable	
	White Pine	10	Seedling	8	R	ed Oak	Low	Variable	Variable	
	Red Oak	10		15	Re	ed Maple	Medium	Variable	Variable	
	Red Maple	5	Log	2			·			_
45	4222 - Natı	ural Jack Pi	ne	Unspecifed	2.3	1				2025 - stand has been harvested and is being planted in 2025. A small strip of jack pine mixed with a few red oak and aspen. Stand is a chain to two chains wide and consists of mostly over mature jack pine.
47	42200 - Nati	ural White F	Pine	Poletimber Poor	1.2	20	1-50	N/A		This stand is an opening that had filled in and met the criteria of a
	Canopy Species	% Cover	Size Class	DBH Age						forested stand.
	Red Pine	20	Seedling	6						
	White Pine	70	Seedling	6 20						
	Red Oak	10		12						
48	310 - Herbac	eous Open	land	None	9.4			No		Grass opening that is filling in with aspen clones and a few pine. Overall the stand is still very open.
49	4123 -	Red Oak		Sawtimber Poor	12.3	90	1-50	N/A		2025 - The oak has sprouted back well from stumps and there is some
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	from seed as well. There is red maple competition but the oak looks good. Continue to monitor. Stand was harvested in the summer of
	White Pine	15		9	W	hite Pine	Low	Variable	Variable	2020. Dandy DHK: 108-17. 30-40 Square feet of residual oak was left
	Red Oak	85		14 90	R	ed Oak	Low	Variable	Variable	within the stand to promote more oak regeneration via. stump sprouts
					Bigto	ooth Aspen	Low	Variable	Variable	and seed origin oak. A tracked processor was used to harvest the sale which provided additional scarification. 2020 was a great year for acorns
					Re	ed Maple	Medium	Variable	Variable	as well so hopefully we will see more oak regeneration in this stand.
51	4123 -	Red Oak	d Oak Sawtimber Poor		8.6	90	1-50	N/A		2025 - oak regeneration looks decent. There is a moderate amount of re
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	maple regeneration as well. Continue to monitor oak, most is not free to grow size. Stand was harvested in the summer of 2020. Dandy DHK:
	Red Oak	100		15 90	Bigto	ooth Aspen	Low	Variable	Variable	108-17. 30-40 Square feet of residual oak was left within the stand to
					Re	ed Maple	Medium	Variable	Variable	promote more oak regeneration via. stump sprouts and seed origin oak.
					W	hite Pine	Medium	Variable	Variable	A tracked processor was used to harvest the sale which provided additional scarification. 2020 was a great year for acorns as well so
							'			hopefully we will see more oak regeneration in this stand.
54	330 - Low-Density Trees			None	6.5			No		A grass opening that is filling in with jack pine.
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
					Ja	ack Pine	Low	10 - 20 feet	10 - 20 feet	
56	6220 - A	lder/Willow		None	18.6			No		Part of a stream that flows into the Middle Branch of the Escanaba River. Many old beaver dams have created flooded areas. Downstream of the floodings there is grass and tag alder.

Report 7 - Stands



Stand	Level 4 Co	over Type		Size Density	ensity Acres Stand Age BA Range Managed Site					General Comments
57	330 - Low-[330 - Low-Density Trees			3.1			No		Former landing that was previously managed by wildlife but is now filling
					Sub-Ca	nopy Species	Density	Avg. Height	Size	in with red pine. Most the trees are small pole sized and open grown.
					R	ed Pine	Medium	>20 feet	>20 feet	
58	330 - Low-I	Density Tre	es	None	3.8			No		Stand is non-forested but is filling in around the edges with red maple and jack pine. Ground vegetation is sweet fern.
59	42290 - Natu	ıral Mixed F	Pine	Poletimber Poor	3.4	35	1-50	N/A		This is an old opening that filled in with trees. It now meets the canopy
	Canopy Species	% Cover	Size Class	DBH Age						closure needed to be a forested stand.
	Red Pine	50	Seedling	7 35						
	Jack Pine	35	Seedling	7 35						
	White Pine	15	Seedling	7						
61	4130 - Aspen Canopy Species % Cover Size Class Bigtooth Aspen 70 Seedling Quaking Aspen 25 Seedling		Poletimber Well	I 52.7 33		51-80	-80 N/A		2025 - nice quality aspen stand. Rocky stand with some fairly steep	
			DBH Age	Sub-Canopy Species White Pine		Density	Avg. Height	Size	ridges. Aspen are small to medium sized poles. Very little oak and pine within the stand compared to the rest of the aspen in the area. Stand was harvested in 1992. TS# 29-89.	
			7 33			Low	Variable	Variable		
			Seedling	6	Red Maple		Medium	Variable	Variable	
	White Pine	5		10	R	ed Pine	Low	Variable	Variable	
402	2 3303 - Mixed Low Density Trees			None	11.8			No		2025 - Opening cut for the elf line. Over time the area has been filling in with trees in patched. A few areas are stocked with aspen but a lot is still very open. ELF (Naval submarine communications system) cleared right of way, approx 100 feet wide. This was established circa 1985 and abandoned in 2005.
407	3102 - Grass			None	1.1			No		2025 - this opening has stayed very clear of trees since cleared by wildlife division. OI Notes: Created by Wildlife Div. in 1991 after commercial sale #24-87. FTP W31-222, rock rake, disk, seed, & "Promone" herbicide.
414	3102 - Grass			None	1.3			No		2025- still very open, a few conifer treesOl Notes: Created in 1992 by Wildlife Division. FTP #W31-235, trail systems & landings will be rock raked, then disked and seeded in August 1992.
415	3303 - Mixed Lo	Trees	None	1.9			No		2025 - fairly open, patch of trees in the middle and scattered. OI Notes: Created in 1992 by Wildlife Division. FTP #W31-235, trail systems & landings will be rock raked, then disked and seeded in August 1992.	