

Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72204 Entry Year 2026 Acreage: 1,292

County Crawford

Management Area: Camp Grayling

Stand Examiner: Victor Porteous

Legal Description:

T 26N R 04W Sections 1, 2, & 3

Identified Planning Goals:

The primary goal is to provide for military training while maintaining for forest health, productivity, species and structural diversity, and sustainability througout the compartment and to meet restrictions placed on Hanson grant lands. To meet this goal, we should promote mixed stands of pine and oak for diversity of habitat and wildlife species use.

Soil and topography:

Soils within the compartment include a large area of Graycalm Sands in the east and a mix of Croswell Sands, Grayling Sands, Graycalm-Grayling Sands, and Croswell-AuGres soil in the center and to the north. Soil in the west and south west portion of the compartment are made up of Kinross-Augres complex, Dawson-Loxley Peats and Kinross Muck. Topography within the compartment is level to rolling terrain in the east, north, and center portions. The west and southwest portion is largely flat and seasonally wet.

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

The entire compartment is comprised of Hanson Grant Lands and military board lands except for a parcel in the NW of Section 1. The compartment also contains a small parcel of the Grayling Army Airfield in the NW corner. AuSable Trail and Sherwood Forest Subdivisions border the east side of the compartment and are heavily residential areas.

Unique Natural Features:

Michigan Natural Feature Inventory has listed the Calypso (Calypso bulbosa), Eatern Massasauga (Sistrurus catenenatus), Henry's Elfin (Incisalia henrici), Hill's Thistle (Cirsium hillii), and secretive locust (Appalachia arcane) as unique or natural features within this compartment. Also, Lake Margrethe North intermittent wetland complex (as described by MNFI) exist throughout Section 3 of this compartment. Care needs to be taken to protect this bog wetland complex.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

This compartment is part of the Hanson Military Reserve. This land was gifted to the State in 1913 (Act 172) by Mr. Hanson for the following purposes: 1) as a permanent encampment and maneuvering ground for the military, 2) as a game preserve for the breeding and protection of game, 3) as a forest reserve. The MDNR manages the natural resources on Hanson lands as long as management does not conflict with military training needs. Hunting is prohibited on Hanson Grant lands. This compartment also contains five forty-acre parcels in Section 2 and a small piece in Section 1 that are open to hunting.

Watershed and Fisheries Considerations:

This compartment contains a portion of the upper Au Sable River near Pollack Bridge Road. This section of river was historically impaired by the Salling Dam which was removed in 1991. This reach is still recovering from that impairment, and a grant application has been submitted for instream habitat work in this reach. A narrow strip of land just north of Sherwood Forest Subdivision provides for public access to the AuSable River. Currently this access is undeveloped but could be developed in the future.

Wildlife Habitat Considerations:

This compartment appears to be a winter deer yarding area due to heavy deer densities during winter months and presence of thick jack pine cover. Wildlife should investigate and confirm the quality of this yard and winter range. Opening work would be recommended if yarding or winter use by deer is confirmed. Currently over browsing is an issue and negatively affecting the deer population in the area through habitat degradation. This compartment has limited hunting opportunities due to Hanson deed restrictions. The center of Section 3 is part of Lake Margrethe North intermittent wetland complex which hosts a diversity of unique plants and wildlife which are all part of delicate understudied ecosystem. Early notes have mixed pine and oak forests with a hardwood wetlands around the bogs. Efforts should be made to study and direct future management of this area.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the state. The nearest known active sand/gravel pit is more than three miles southeast. Potential for development of sand & gravel within the compartment is considered low. The nearest oil & gas production, past or present, is several miles away. The compartment is mostly within the Camp Grayling reservation and long-term lease area and includes lands deeded to the State Military Board and Hanson grant lands. The State does not control the majority of mineral rights within the compartment, and the mineral rights are classified as non-leasable.

Vehicle Access:

Vehicle access into the compartment can be obtained from several two tracks off of AuSable Trail and north off of M-72 West at the snowmobile parking lot.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The compartment is host to a number of designated recreational trails. The Blue Bear Snowmobile Trail (# 7) traverses the compartment. An ORV Route follows the Blue Bear Snowmobile Trail. Dispersed recreational opportunities include fishing, bird watching, and hunting in areas designated as open.

Fire Protection:

This compartment falls within jurisdiction of the Grayling DNR, The Grayling Township Volunteer Fire Department and the National Guard for fire suppression. The AuSable River, Lake Margrethe and several fire hydrants on the east side of compartment are the closest water source for fire suppression and several trails traverse through most all of the compartment providing adequate access.

Additional Compartment Information:

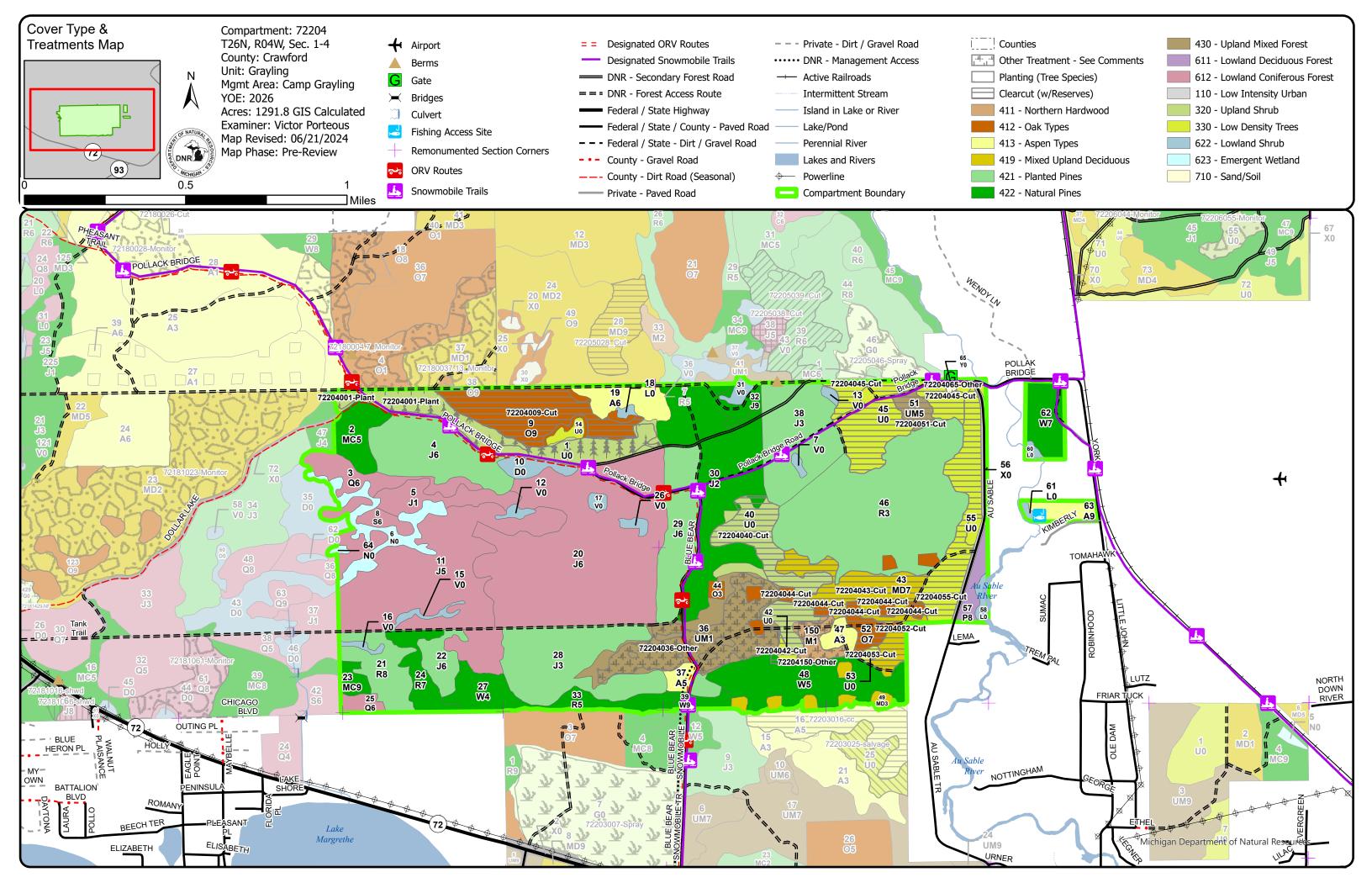
Several experimental oak patchcuts were completed in Section 2 in the late 1990's. Old notes suggest very poor oak regeneration as a result of these patch cuts. Poor regeneration was attributed to creating frost conditions with the small size of the cuts, heavy sedge precluding development of seedlings from acorns, and heavy wildlife browse impacting stump sprouting and seedling development. These cuts have since filled in with a good stocking of oak regeneration. Recent large cuts of oak have resulted in a non-forested condition with heavy browse apparent but also very few oak trees actually stump sprouted. The oak resource, which is primarily N. Pin Oak, is aging and becoming less responsive to management in already non-favorable conditions. Caution should be taken when regenerating oak in this area. Site conversion to mixed pine with scattered oak should be considered when managing.

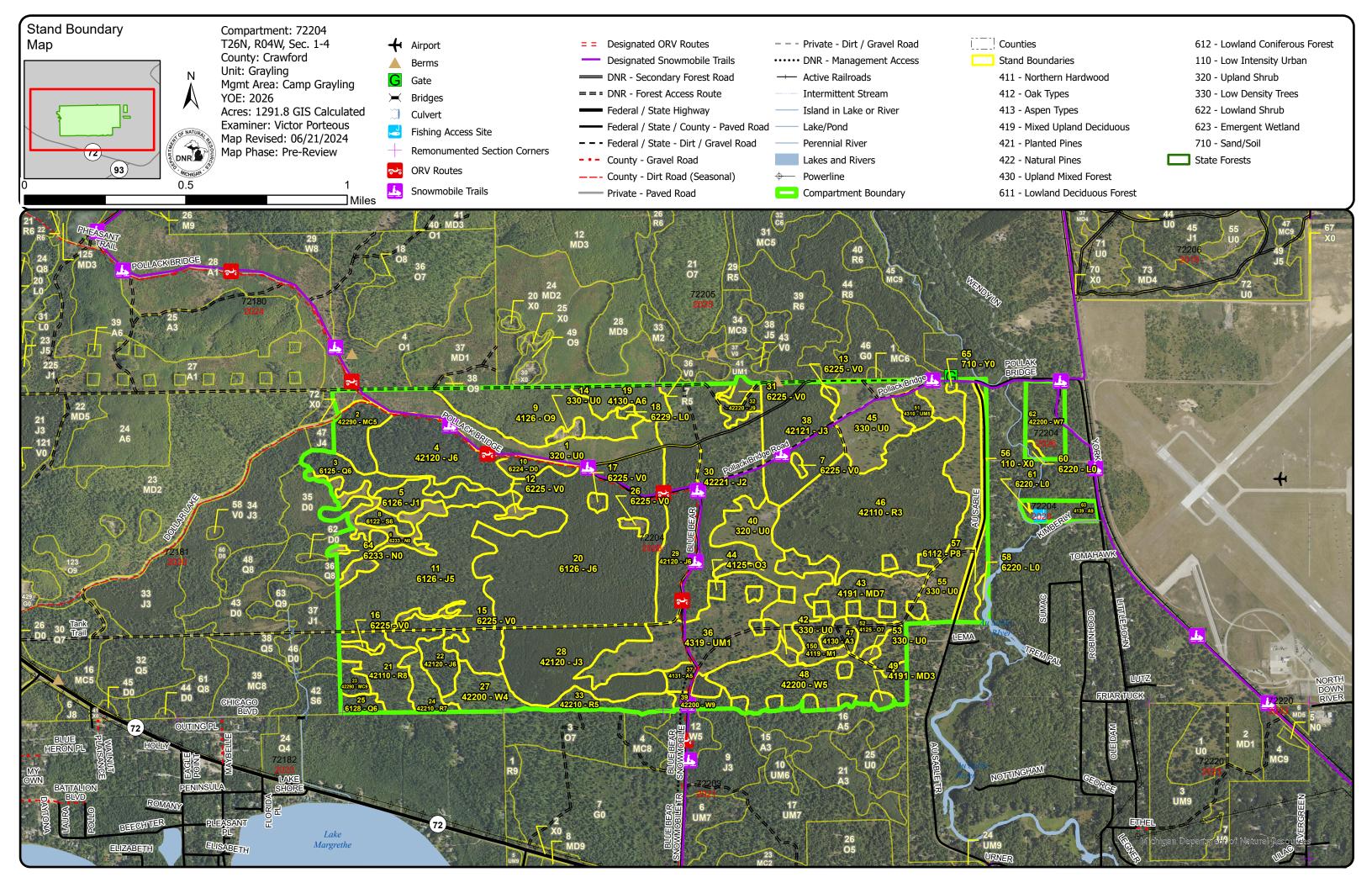
The following reports from the Inventory are attached:

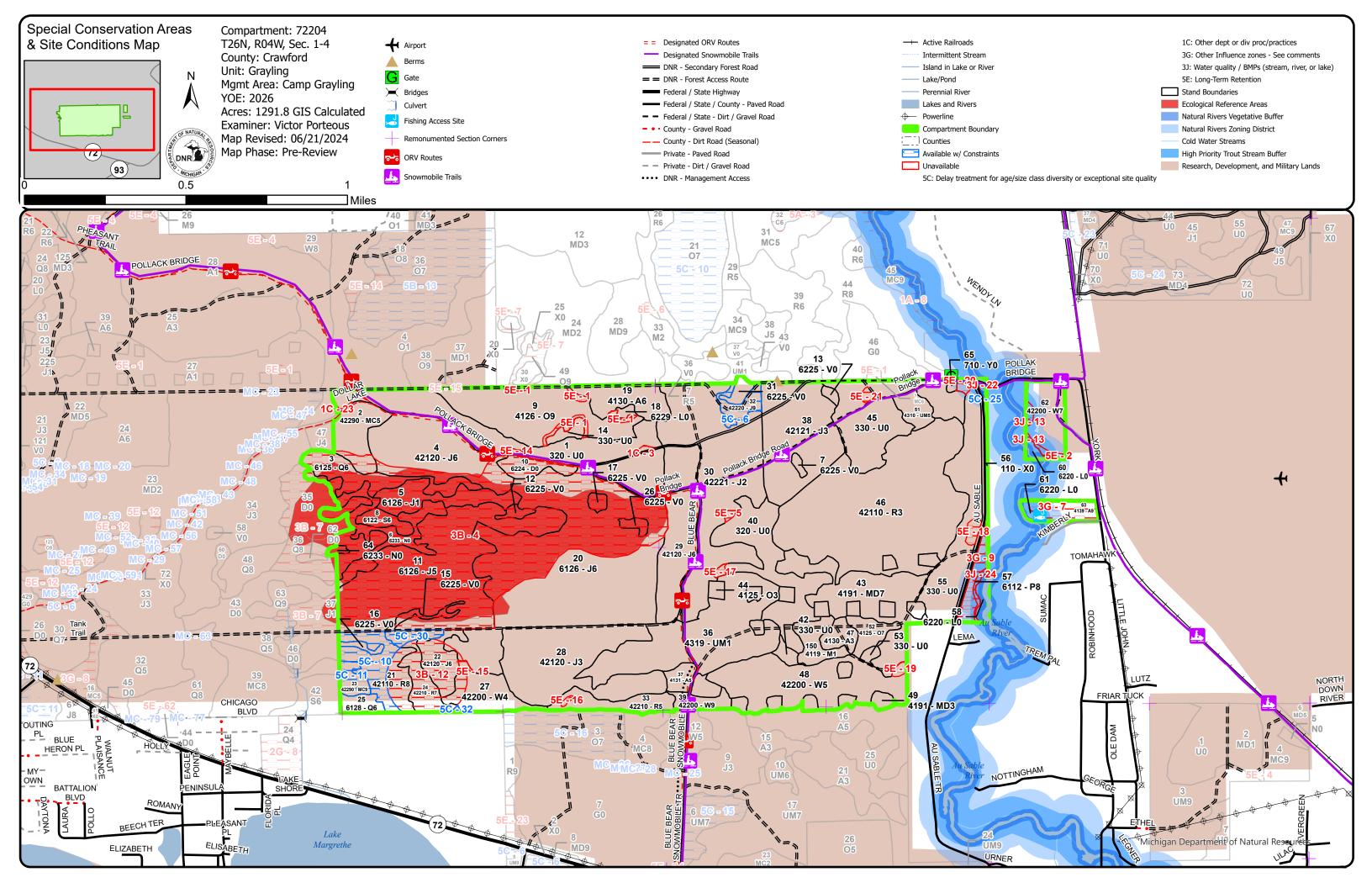
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Report 1 – Total Acres by Cover Type and Age Class

Grayling Mgt. Unit

Victor Porteous : Examiner

Compartment 204 Year of Entry 2026



Age Class

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	/	/ is /	/ /	/ /	/ /	/	/ /	/	/ /	/ /	/ /	/	/ /	/	/ /	/ /	/ /	/ /	No. No.
		kgg / 6	۶ / ع		g / &			³ /s	& / S	8	\$ \ &	₽ /,	8/		P /	1.5° / 1.5°	, R. / &	o* / s	A VAN
	\ * 8c	is of a	'/ '	, \ _{\(\phi\)}) / &	/ 16	/ 18	/ &	· / «	· / &	,		S Z	/ &	` / &		\$ / *	5 / 3r	
Aspen	0	0	5	0	15	5	0	8	0	0	0	0	0	0	0	0	0	0	33
Bog	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Jack Pine	0	0	74	138	16	314	0	0	6	0	0	0	0	0	0	0	0	0	548
Low-Density Trees	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	24
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Spruce/Fir	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Marsh	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Mixed Upland Deciduous	0	0	0	8	0	0	37	0	0	0	0	0	0	0	0	0	0	0	45
Natural Mixed Pines	0	0	0	0	0	0	15	0	0	0	0	0	5	0	0	0	0	0	20
Northern Hardwood	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Oak	0	0	0	14	0	0	0	0	0	0	0	51	0	0	0	0	0	0	65
Red Pine	0	0	118	0	0	12	0	0	0	0	0	36	0	0	0	0	0	0	166
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	0	60	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Upland Shrub	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	66	17	0	0	0	0	0	0	0	0	0	0	83
Total	222	69	197	160	37	331	125	55	6	0	0	87	5	0	0	0	0	0	1293



Report 2 - Treatment Summary

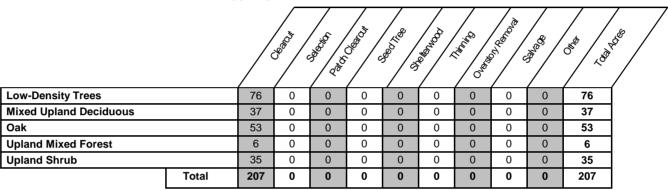
Grayling Mgt. Unit Year of Entry: 2026

Acres of Harvest

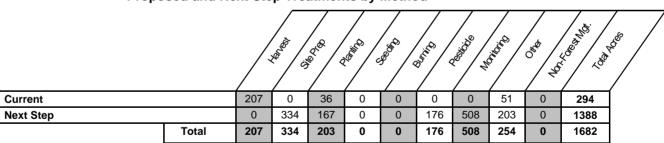
Compartment 204
Total Compartment Acres: 1,292

Commercial Harvest - 207 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Compartment: 204

S t a									Year of Enti	ry: 2026	DNR DNR
n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Type	Method	Objective	Structure	Cut

Proposed Treatments:

72204009-Cut 4126 - White, Clearcut with 39.8 Sawtimber 103 111-Harvest 412 - Oak Types Even-Aged Black, N. Pin Oak Retention Well 140

Prescription Harvest all stems 2" and greater except, leave all red pine and white pine. Retention has been designated around old gravel pits to prevent Specs: further erosion. A retention island protecting the steep slope down to stand 18 lowland has been drawn in as well. Include shrub protection spec for hawthorn and serviceberry. Include standard military specs. Include soft oak wilt restrictions.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak is management objective but, aspen, maple, and pine are all acceptable species as well.

Regen:

If producer is unable to chip sale, a portion of the tops should be spread throughout hill climb/gravel pit (stand 14) and used to block illegal Other

trails/roads within stand. Comment:

*Check with military to see if they will allow no chipping to deter deer browse as well as illegal ATV use through stand.

Site Condition

Proposed Start Date: 10/1 /2024

72204040-Cut 34.7 320 - Upland Shrub Nonstocked Harvest Clearcut with 4211 - Planted Even-Aged Nο Unspec ified Retention Red Pine

Prescription Harvest all stems 1" and up to prepare site for red pine planting. Protect retention established through previous harvest. The treatment area has been drawn to square up boundaries to make for more ideal planting conditions. Treatment will be implemented outside of the Specs:

compartment YOE to expedite planting.

SitePrep, Roller Chopping: Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Planting, Initial Plant; Monitoring, Artificial Next Step

Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching

Acceptable Planted red pine

Regen:

<u>Other</u> Include sale spec 3.6.1- Order of Cutting, to require stands 40, 42, 43, 44, 45, 51, 52, 53, and 55 be cut prior to cutting stand 9.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

42 72204042-Cut 2.9 330 - Low-Density Nonstocked 4211 - Planted Harvest Clearcut Even-Aged Nο Red Pine

Prescription Harvest all stems 1" and up to prepare site for red pine planting. No retention needed due to stand size. The treatment area has been drawn to square up boundaries to make for more ideal planting conditions. Treatment will be implemented outside of the compartment YOE to Specs:

expedite planting.

SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Planting, Initial Plant;

Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand Treatments:

Acceptable Planted red pine.

Regen:

Other Include sale spec 3.6.1- Order of Cutting, to require stands 40, 42, 43, 44, 45, 51, 52, 53, and 55 be cut prior to cutting stand 9.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

SitePrep, Roller Chopping: Pesticide, Aerial - Site Prep: Monitoring, Herbicide Use: Planting, Initial Plant; Monitoring, Artificial Next Step Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching

Acceptable Red pine plantation

Regen: Other

Include sale spec 3.6.1- Order of Cutting, to require stands 40, 42, 43, 44, 45, 51, 52, 53, and 55 be cut prior to cutting stand 9.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

6.3 4310 - Pine, Oak 72204051-Cut Poletimber 1-50 Harvest Clearcut 4211 - Planted Nο 35 Even-Aged Mix Medium Red Pine

Prescription Harvest all stems 1" and up to prepare site for red pine planting. No retention needed due to stand size. Treatment will be implemented outside of the compartment YOE to expedite planting. Specs:

SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Planting, Initial Plant; Next Step

Treatments: Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand

Acceptable Red pine plantation.

Regen:

Other Include sale spec 3.6.1- Order of Cutting, to require stands 40, 42, 43, 44, 45, 51, 52, 53, and 55 be cut prior to cutting stand 9.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Proposed Start Date: 10/1 /2024

55 72204055-Cut 33.9 330 - Low-Density Nonstocked 0 Unspec Harvest Clearcut with 4211 - Planted Even-Aged No Trees ified Retention Red Pine

<u>Prescription</u> Harvest all stems 1" and up to prepare site for red pine planting. Protect retention established through previous harvest. Treatment will be Specs: implemented outside of the compartment YOE to expedite planting.

Next Step Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand;

<u>Treatments:</u> SitePrep, Roller Chopping; SitePrep, Trenching

Acceptable Planted red pine

Regen: Other

Include sale spec 3.6.1- Order of Cutting, to require stands 40, 42, 43, 44, 45, 51, 52, 53, and 55 be cut prior to cutting stand 9.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

65 72204065- 0.7 710 - Sand, Soil Nonstocked 0 Immatu Other Other 790 - Other No
Other re Bare/Sparsely
Vegetated

<u>Prescription</u> Maintain site for stockpiling material dredged from sand traps. Currently used for Williams Tract and Ausable Trail sand traps. <u>Specs:</u>

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Other When the site will no longer be used for additional sand deposits, re-contour and re-vegetate with site appropriate species as indicated in IC4287 "Vegetation Restoration of ROW, Well Sites and Other Cleared Sites on State Forest Land - NLP" or current equivalent guidance.

Site Condition

Proposed Start Date: 10/1 /2025

S t			Grayling	Mgt. Unit		Repoi	rt 3 ⁻	Treatments		Compartment Year of Entry		DNR DR
a n d	Treatr Nar		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
pprov	<u>red Tre</u>	atments	<u>s:</u>									
1		4001- ant	36.2 32	20 - Upland Shrub	Nonstock	ed 0	Unspec ified	Planting	Replant	4211 - Planted Red Pine	Even-Aged	No
	escription ecs:	unt					mod			1100 1 1110		
	xt Step atments:	; ; Oth	er, Pre-Co	ommercial Thinning	ı - Hand							
	ceptable gen:	Fully sto	cked red p	oine stand.								
Oth Cor	<u>ner</u> mment:	Percent	to Treat =	100%								
Site	e Conditio	<u>on</u>										
Pro	posed St	art Date:	10/1 /202	3								
36		4036- her	42.5	4319 - Mixed Upland Forest	Sapling Poor	3	1-50	Other	Other	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
	escription ecs:											
	xt Step atments:	Pesticide	e, (Inactive	e)Aerial								
	ceptable gen:	Fully sto	cked red p	oine stand.								
Oth Cor	<u>ner</u> mment:	Percent	to Treat =	100%								
Site	e Conditio	<u>on</u>										
Pro	posed St	art Date:	10/1 /202	24								
150		4150- her	7.6 No	4119 - Mixed orthern Hardwoods	Sapling Poor	3	1-50	Other	Other	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
	escription ecs:	PCT by h	nand or m	echanically								
	xt Step atments:											
	ceptable gen:	Mixed pi	ne oak sta	ınd.								
Oth Cor	<u>ner</u> mment:	Percent	to Treat =	100%								
Site	e Conditio	<u>on</u>										
Pro	posed St	art Date:	10/1 /202	24								

Total Treatment Acreage Proposed: 294

Grayling Mgt. Unit

Victor Porteous : Examiner Yes

Compartment: 204
Year of Entry: 2026

Availa	ability for	Managemer	nt							
Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Cond	dition	s	
Acres	Available	With Condition	Not Available		5C	1C	3B	3G	3J	5E
33	25	0	8	Aspen				8		
13	7	0	7	Bog			7			
547	336	6	206	Jack Pine	6		206			0
85	80	0	4	Low-Density Trees	0				1	4
7	0	0	7	Lowland Aspen/Balsam Poplar				6	1	
25	5	0	20	Lowland Conifers	0		20			
7	7	0	0	Lowland Shrub				0		
5	0	0	5	Lowland Spruce/Fir			5			
20	0	0	20	Marsh			20			
46	46	0	0	Mixed Upland Deciduous						
20	12	4	3	Natural Mixed Pines	4	0	3			
9	9	0	0	Northern Hardwood						
64	60	0	4	Oak						4
156	129	18	8	Red Pine	18		8			0
1	1	0	0	Sand, Soil						0
7	0	0	7	Treed Bog			7			
66	66	0	0	Upland Mixed Forest						
79	76	0	3	Upland Shrub		1	0			2
8	8	0	0	Urban					0	0
83	76	0	7	White Pine			3		2	2
1,280	943	28	309	Total Forested Acres	28	1	278	14	4	12
•	74%	2%	24%	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.

	ther Site Cond	Other Site Condition	Other Site Condition	Other Site Condition	Acres	Dominant Site Condition	Cond Availability	No. (
5E: Long-Term Retention 4 Unspecified Unsp	Unspecified	Unspecified	Unspecified	Unspecified	4	5E: Long-Term Retention	Unavailable	1
5E: Long-Term Retention 4 Unspecified Unsp	Unspe	Unspecified	Unspecified	Unspecified	4	5E: Long-Term Retention	Unavailable Comments:	1

Grayling Mgt. Unit

Victor Porteous : Examiner

Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	1C: Other dept or div proc/practices	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	3B: Threatened, endangered, and special concern species	259	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Lake Margrethe No	orth - Intermittent Wetland Com	olex				
Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small jack pine sta	nd surrounding a bog. Small sta	and size	and species composition i	makes successful regener	ation difficult.	
Unavailable	3G: Other Influence zones - See comments	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small acreage adja	acent to heavy residential area.					
	Comments: Unavailable Comments: Lake Margrethe No Unavailable Comments: Available Comments: Small jack pine sta Unavailable Comments:	Unavailable 1C: Other dept or div proc/practices Comments: Unavailable 3B: Threatened, endangered, and special concern species Comments: Lake Margrethe North - Intermittent Wetland Computer of the comments: Unavailable 5E: Long-Term Retention Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small jack pine stand surrounding a bog. Small state of the comments of	Comments: Unavailable 1C: Other dept or div proc/practices Comments: Unavailable 3B: Threatened, endangered, and special concern species Comments: Lake Margrethe North - Intermittent Wetland Complex Unavailable 5E: Long-Term Retention 1 Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small jack pine stand surrounding a bog. Small stand size Unavailable 3G: Other Influence 8 zones - See comments Comments:	Comments: Unavailable 1C: Other dept or div proc/practices Unavailable 3B: Threatened, endangered, and special concern species Comments: Lake Margrethe North - Intermittent Wetland Complex Unavailable 5E: Long-Term Retention 1 Unspecified Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small jack pine stand surrounding a bog. Small stand size and species composition of Unavailable 3G: Other Influence 8 Unspecified Comments:	Comments: Unavailable 1C: Other dept or div proc/practices Unavailable 3B: Threatened, endangered, and special concern species Comments: Lake Margrethe North - Intermittent Wetland Complex Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small jack pine stand surrounding a bog. Small stand size and species composition makes successful regener Unavailable 3G: Other Influence 8 Unspecified Unspecified Unspecified Comments:	Comments: Unavailable 1C: Other dept or div proc/practices Unavailable 3B: Threatened, endangered, and special concern species Comments: Unavailable 8E: Long-Term Retention 1 Unspecified Unspecified Unspecified Unspecified Comments: Available 5E: Long-Term Retention 1 Unspecified Unspecified Unspecified Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small jack pine stand surrounding a bog. Small stand size and species composition makes successful regeneration difficult. Unavailable 3G: Other Influence 2 Unspecified Un

Grayling Mgt. Unit

Compartment: 204 Year of Entry: 2026 **Victor Porteous : Examiner**

9	Unavailable	3G: Other Influence zones - See comments	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small sliver of harv	restable timber adjacent to the A	Ausable	River, with lowland conditi	ions, and heavy residential	adjacent with private drive	s that cut through.
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Older healthy pine	stand. Previous management ir	ntent wa	s big tree management ar	nd to push stand towards o	ld growth characteristics.	
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Older healthy pine	stand. Previous management ir	ntent in a	area was big tree manage	ment and to push stands to	owards old growth characte	ristics.
12	Unavailable	3B: Threatened, endangered, and special concern species	30	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Bald eagle nest, 66	60' timing restriction buffer.					
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: AuSable River buff	er 150ft.					
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Grayling Mgt. Unit

Victor Porteous : Examiner

15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
16	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: AuSable River buff	er 150ft.					

Grayling Mgt. Unit

Compartment: 204 Year of Entry: 2026 **Victor Porteous: Examiner**

23	Unavailable	1C: Other dept or div proc/practices	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: AuSable River buff	er 150ft.					
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small sliver of state	e land between pvt and Ausable	trail.				
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Older healthy pine	stand. Previous management ir	tent was	big tree management an	nd to push stand towards o	ld growth characteristics.	
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
7	Comments: Older healthy pine	stand. Previous management ir	tent was	big tree management an	nd to push stand towards o	ld growth characteristics.	

6/18/2024 8:26:44 AM - Page 5 of 5 **DUERRG** Mgt. Unit

Compartment: #Type! Year of Entry:

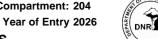


Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* 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				

Grayling Mgt. Unit Compartment: 204
Year of Entry 202



Report 6 - EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen condit stocked trout populations and those of other coldwater fish spe conditions for coldwater fishes may occur in Michigan lakes if t groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisherie	cies to persist from year to year. Suitable hey are relatively deep, have substantial of the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen corstocked trout populations and those of other coldwater fish speyear to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such stream designated as trout resources by Fisheries Order 210.	ecies (e.g., slimy sculpin) to persist from nese conditions due to substantial
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated include the 5,847 acre Forest Fire Experiment Station, the 12,0 Area, the Beaver Islands Archipelago Wildlife Research Area (High and Hog Islands, all state owned land on Beaver, South F Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries R Nursery, and over 144,000 acres of Military Lands.	000 acre Houghton Lake Wildlife Research that includes most of Garden Island, all of Fox and North Fox Islands), the Cusino
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of t streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their eff as aesthetics, habitat, bank stability, timber production, and the	he unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian fects on water quality and quantity, as well
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from approved distance from the river centerlines. The Natural River most Natural Rivers. The Vegetative Buffer ranges from 25 to	ers Zoning District is a 400 foot buffer for
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples identified as Element Occurrences (EOs) by the Michigan Natucontext of their natural community classification system. Eleme (Excellent) or B (Good) and a Global (G) or State (S) element (threatened (2), or rare (3) serve as an initial base of ERAs. The the State. The system is comprised of individual or association managed for restoration and maintenance of natural ecological submit recommendations for lands as ERAs using the DNR Co	ural Features Inventory (MNFI) within the ent Occurrences with viability ranks of A (rarity) ranking of endangered (1), by may be located upon any ownership in s of natural community types that are I processes and values. The public may

				Teal of Entry: 2020							
Stand	Level 4 C	over Type	;	Size De	nsity	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
1	320 - Սբ	oland Shrub)	Nonsto	cked	43.6	0	Unspecified	4211 - Planted	Red Pine	Trail to access stand 14 was trenched and planted across to remove trail.
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	Continued use of ORV'ers has caused mortality of trees planted here and allowed trail to come back to its original condition.
						North	ern Pin Oak	Low	5 - 10 feet	Sapling	allowed trail to come back to its original condition.
						Bla	ck Cherry	Medium	5 - 10 feet	Tall Shrub	Declining NPO-MC stand was harvested Dec 2018 (#633-16), chipped
						R	ed Pine	Trace	< 5 feet	Seeding	2019, and closed May 2020. Slash from the sale was used to block portions of the hill climbs in the old gravel pit in stand 14 where there was
											an active RDR. Was trenched & planted 821 PRT RP in May 2021, with minor exclusions (C72-887). Sept 2021 Yr 1 survey: 740 TPA, 68% FTG, 5.8% mortality. Contractor release sprayed Sept 2022. Sept 2023 PUER: 60% control on the BC, 50% on the oak, 90% on the aspen, deel browse common. Oct 2023 Yr 3 survey: 628 TPA, 70% FTG, 21% mortality, lots of deer browse. Scheduled for replant.
2	42290 - Nat	ural Mixed	Pine Pol			n 15.4	56	51-80	N/A		Changed from 2-aged to even-aged aged since almost all of the older pin oak has died. Also changed from upland to upland with lowlands due to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	some seasonally wet areas.
	Red Pine	5	Log/XLog	16			nite Pine	Low	Variable	Sapling	
	Jack Pine	50	Pole	7	56		ed Maple	Low	Variable	Sapling	Old comments- Oak experiencing mortality more than likely due to decline complex, e.g. age, site index, oak wilt, secondary pests. White
	White Oak	1	Pole	9		Bla	ck Cherry	Medium	Variable	Sapling	pine is putting on good growth. Scattered throughout the stand but
	Red Maple	2	Pole	7							heaviest to the south. Jack pine is doing well where it was free to grow.
	Northern Pin Oak	7	Pole/Log	9							
	White Pine	35	Pole	8							
3	6125 - Lowland Bla	ack Spruce	Jack Pine P	oletimbe	er Well	20.2	60	51-80	N/A		Stand gets wetter and smaller in the east half.Old comments- Narrow
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	strip between upland jack pine plantation and lowland jack pine plantation. This stand is the transition between the two. Spruce where
	Red Pine	2	Log	12		Blad	ck Spruce	Medium	Variable	Sapling	more than likely released when the stand was harvested in the late 70's.
	Jack Pine	40	Pole	7	45	WI	hite Pine	Low	Variable	Sapling	Jack pine was then inter planted between clumps of spruce. Spruce
	White Pine	10	Log/XLog	16							understory is growing in clumps.
	Black Spruce	48	Pole	7	60						
4	42120 - Pla	nted Jack F	Pine P	oletimbe	er Well	42.1	45	51-80	N/A		Called stand upland with lowland since there are large portions of stand
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	what look seasonally wet with sheep laurel and blueberry.Old comments- Same age as adjacent stands. This stand contains more
	Northern Pin Oak	3	Log	12		Bla	ck Cherry	Medium	Variable	Sapling	upland species than adjacent plantaion stands. Oak to the north, spruce
	White Pine	5	Log	11		WI	nite Pine	Trace	< 5 feet	Sapling	to the south. Stand does not drop much in elevation. South edge is a transition from upland to lowland. Planted jack pine with natural jack pine
	Jack Pine	87	Pole	7	45	Blad	ck Spruce	Trace	< 5 feet	Seeding	transition from upland to lowland. Planted jack pine with natural jack pine.
	Red Pine	2	Log	12							of larger planting block and contains evidence of rows.
	Black Spruce	3	Pole	8							

eport 7 – Stands

Year of Entry: 2026

Level 4 Cover Type Stand Size Density **Managed Site General Comments** Acres Stand Age BA Range 6126 - Lowland Jack Pine Sapling Poor 15.6 39 1-50 N/A Old comments - Water table appears to be higher in this stand compared 5 to adjacent stands. Dense pockets of understory jack pine mixed with % Cover Size Class **DBH Age** Size **Canopy Species Sub-Canopy Species Density** Ava. Heiaht open areas. These areas may contain standing water during parts of the White Pine Black Spruce < 5 feet Sapling/Pole 4 Low Sapling vear. Previous inventrov called this stand a treed bog. Part of a larger intermittent wetland complex. Harvested in late 70's. Stand was either 4 Tall Shruk Jack Pine 68 Sapling/Pole 39 Blueberry/Bilberry/Cranberry Hiah < 5 feet avoided when adjacent stands were planted or plantation failed. Natural Black Spruce 10 Sapling/Pole 4 Jack Pine Low < 5 feet Sapling plant community as since succeeded. 2 6 Red Pine Sapling Pole Tamarack Low < 5 feet 15 4 Tamarack Sapling/Pole 6233 - Wet Meadow Nonstocked 18.9 No Old comments- Scattered trees along perimeter. Ground cover changes 6 vearly from grass to water to shrub depending on the water table. Size **Sub-Canopy Species Density** Ava. Heiaht Jack Pine Low Sapling Sapling **Tamarack** Low 6225 - Boa 1.2 0 No 7 Nonstocked Bog separated into new stand. 6122 - Black Spruce 60 N/A Poletimber Well 4.8 111-140 Part of surrounding plantation but with a higher mix of spruce and natural 8 pine. This stand is seperated by low ground which is seasonally wet. Size **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Jack Pine 20 Pole 8 Jack Pine Low < 5 feet Sapling Red Pine 20 Log/Pole 10 White Pine Low Variable Sapling 10 Log/Pole White Pine 10 Black Spruce Low < 5 feet Sapling Black Spruce 50 Pole 8 60 4126 - White, Black, N. Pin Oak Sawtimber Well 43.8 N/A 9 103 111-140 2024-Heavily declining Oak throughout stand. West side of stand is dominated by White Oak, east side more Hybrid Red Oak interspersed % Cover Size Class **DBH Age Sub-Canopy Species** Size **Canopy Species** Density Avg. Height with some W. Oak. Component of Aspen scattered throughout, but most Sapling White Pine Pole 6 Red Pine Low >20 feet is on north side. Centrally located pocket has good Red and White Pine regeneration. Some Hawthorn and Serviceberry, seems to be on 5 9 Pole/Loa White Oak Medium < 5 feet Sapling Bigtooth Aspen ridgetops on eastern side. Red Maple 1 Pole 6 **Black Cherry** Low < 5 feet Seeding White Oak 35 Pole/Loa 9 Red Maple Low >20 feet Pole 2014-Stand is made up of several ridges with a south aspect. White oak is more prevelent along the bottom of the ridges. A heavy white pine Red Pine 2 8 White Pine Low >20 feet Pole/Log Sapling understory is also present here. Understory is minimal along the top of Tall Shrub Black/Red (Hybrid) Oak 55 Log/Pole 12 103 Low 10 - 20 feet Hawthorn (spp.) the ridges. 6.7 6224 - Treed Bog Nonstocked No Old comments- Trees range from seedling to pole size. Evenly 10 distributed. Good example of an evolving intermittent wetland **Sub-Canopy Species** Density Avg. Height Size succeeding to a lowland conifer forest. Pole Black Spruce Trace Jack Pine Medium Sapling White Pine Medium Sapling Red Pine Iow Sapling



Stand	nd Level 4 Cover Type			Size Density	Acres	Stand Age	BA Range	Managed S	Site	General Comments
11	6126 - Low	and Jack Pi	ne Po	oletimber Medi	um 97.8	45	1-50	N/A		Lowland jack pine with a mosaic of openings and wet areas. Sheep laurel
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	and blueberry understory most places.Old comments- Planted jack pine stand. Originally planted with surrounding pine stands. Stand
	White Pine	5	Pole/Log	9	Bla	ck Cherry	Low	Variable	Sapling	appears to have been subject to mortality early on due to the seasonably
	Red Pine	3	Log	10	Blueberry/E	Bilberry/Cranb	erry Full	< 5 feet	Tall Shrub	higher water table in this area. Jack pine and black spruce filling in
	Black Spruce	10	Pole/Log	9	Bla	ck Spruce	Low	Variable	Sapling	canopy gaps.
	Tamarack	2	Pole	6				1		
	Jack Pine	80	Pole	6 45						
12	6225 - Bog			Nonstocked	1.8			No		Seasonally to yearly wet. Water table fluctuates as a natural process
					Sub-Ca	nopy Species	s Density	Avg. Height	Size	with this community.
						Bilberry/Cranb			Tall Shrub	
					Le	atherleaf	High		Tall Shrub	
13	622	5 - Bog		Nonstocked	1.3	0	Unspecified	No		Small bog split into new stand from parent stand 38.
14	330 - Low-	Density Tree	es	Nonstocked	2.8			No		Old gravel pit.
15	622	5 - Bog		Nonstocked	2.7	mamu Cmaaia	- Danaitu	No Ava Usiaht	S:	Old comments- Seasonally to yearly wet. Water table fluctuates as a natural process within this community.
						nopy Species		Avg. Height	Size	
						ack Pine	Medium		Sapling	
						atherleaf	High		Tall Shrub	
						amarack	Trace		Sapling	
					Blueberry/E	Bilberry/Cranb	erry High		Tall Shrub	
16	622	5 - Bog		Nonstocked	1.6		Immature	No		Forested drain filled in with leatherleaf and blue berry. Part of
					Sub-Ca	nopy Specie	s Density	Avg. Height	Size	surrounding pine plantation but had a higher water table more often than surrounding stand, causing its non-forested condition.
					Blueberry/E	Bilberry/Cranb	erry Medium		Tall Shrub	currently starta, sausing its non-to-sector sorialism.
					Le	atherleaf	Medium		Tall Shrub	
17	622	5 - Bog		Nonstocked	1.8		Immature	No		Seasonally to yearly wet. Water table fluctuates as a natural proccess in this community.
					Sub-Ca	nopy Specie	s Density	Avg. Height	Size	uns community.
					Le	atherleaf	High		Tall Shrub	
					Ta	amarack	Trace		Sapling	
					Ja	ack Pine	Trace		Sapling	
					Blueberry/E	Bilberry/Cranb	erry High		Tall Shrub	
18	6229 - Mixed	d lowland sh	rub	Nonstocked	1.1			No		Small kettle hole in surrounding hills. Seasonally wet.
					Sub-Ca	nopy Species	s Density	Avg. Height	Size	
					Blueberry/E	Bilberry/Cranb	erry Low		Tall Shrub	
					Ta	ag Alder	Low		Tall Shrub	



Stand	Level 4 Co	over Type	s	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	
19	4130 -	- Aspen	Po	Poletimber Well		14.9	36	81-110	N/A		Very steep slope down to bog. Aspen with a small component of	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	oak.Old comments-Stand consists of a large bowl that faces to the east. Aspen is growing well on this site due to the fact that it is protected.	
Blad	ck/Red (Hybrid) Oak	7	Pole	7		Red	d Maple	High	>20 feet	Sapling	from extreme conditions of adjacent south facing slopes. Parent stand	
	Red Maple	5	Pole	6							was dominant with oak but had a good mix of aspen. Harvested under contract # 72-008-87-01, Yellow Oak Block in mid 1988. 226 crds. of	
	Bigtooth Aspen	88	Pole	8	36						mixed oak, 165 crds. of aspen, and 52 crds. of red maple.	
20	6126 - Lowla	and Jack P	ine Po	letimb	er Well	162.6	45	51-80	N/A		Old comments- Planted jack pine. Stand is driest to the south and east.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	As you move north and west stand becomes more wet with an increase of blueberry and other wetland species in the understory. Sub-surface	
	Black Spruce	5	Pole	6		Black	k Spruce	Trace	Variable	Sapling	water flow and wetland depressions present in this part. Heavy deer use	
	Jack Pine	86	Pole	7	45	Northe	rn Pin Oak	Low	Variable	Sapling	during winter months for cover. Trenched and seeded in 1979. Stand is	
	Red Pine	1	Pole/Log	9		Blac	k Cherry	Low	Variable	Sapling	part of the Lake Margrethe North intermittent wetland complex as described by MNFI. This plant community is an ERA which contains a	
	White Pine	5	Log/Pole/XLog	10							host of threatened or rare flora and funa. Only the north portion of this	
1	Northern Pin Oak	3	Pole	7							stand lies within the ERA inself but this stand should be considered as part of the surrounding upland sites which buffer the intermittent wetland	
21	42110 - Plar	nted Red P	ine Saw	rtimber	Medium	n 21.7	100	81-110	N/A		Changed origin from 1908 to 1924 after coring multiple trees, but there	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	are older natural red pine and white pine throughout (mostly on east side of stand). Also changed stand to upland with lowlands. Areas heavy to	
	Black Spruce	2	Pole	8			d Maple	Low	Variable	Sapling	sheep laurel seem to be wetter. Harvested 2021, Kevin Pine #72-647-16	
	White Pine	10	XLog/Log	20		Wh	ite Pine	Low	Variable	Sapling	·	
	Red Pine	88	XLog/Log	18	100	Blacl	k Spruce	Low	Variable	Sapling	Old comments- Old red pine plantation with natural white pine. Highest BA towards the east with the least amount of understory. Red maple an	
						Northern	White Cedar	Trace	>20 feet	Pole	spruce become present in the canopy towards the west. Water table	
											also rises. Multiple fires have occurred in this area, prescribed or otherwise. Heavy deer use during winter months. Understory maple ha been browsed for years.	
22	42120 - Plan			Poletimber Well		10.8 45		81-110	N/A		Changed stand to even-aged due to oak mortality. Called stand upland with lowland due what looks like fluctuating ground water and sheep	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	laurel in places.Old comments- Mix of planted jack pine and natural	
	Red Maple	10	Pole/Log	9		Blacl	k Spruce	Low	Variable	Sapling	white, red, jack pine. Oak canopy was removed forty plus years ago.	
	Black Spruce	3	Pole	8		Wh	ite Pine	Medium	Variable	Sapling	Stand was either suplimental planted or was part of adjacent jack pine stand to the east and failed. White pine is of good form.	
	White Pine	15	Log/Pole	10							stand to the east and raned. Writte pine is or good form.	
	Jack Pine	60	Pole	9	45							
	Red Pine	5	Log	12								
١	Northern Pin Oak	7	Log	14								
23	42290 - Natu	ral Mixed F	Pine Sa	wtimb	er Well	5.0	116	81-110	N/A		Natural red and white pine spruce in sub canopy. Legacy white pines throughout. Old comments- Small ridge along the north contains oak	
	Canopy Species	% Cover	Size Class	DBH	Age		opy Species	Density	Avg. Height	Size	component with a heavier white pine understory. Red maple and spruce	
	Red Maple	18	Log	14		Black	k Spruce	Medium	>20 feet	Pole	increase off this ridge with the understory converting to spruce. Spruce	
	Red Pine	45	Log	17	116	Red	d Maple	Low	Variable	Sapling	seedlings are present here.	
	14/1:4	_			1	N. 1 1						
	White Oak	2	Log	12		Northern	White Cedar	Trace	>20 feet	Pole		

5

15

Log

Northern Pin Oak



Stand	Level 4 Cover Type			Size De	nsity	Acres	es Stand Age BA Range		Managed S	Site	General Comments
24	42210 - Na	tural Red P	ine S	Sawtimber Poor		13.8	106	51-80	N/A		Stand was opened up more than adjacent stand 21 due to canopy gap
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	creation. Harvested 2021, Kevin Pine #72-647-16.
	Black Spruce	5	Pole	8		WI	nite Pine	Low	Variable	Sapling	Old comments- Part of red pine plantation to the west. Thinned multiple
	White Pine	30	Pole/Log/XLog	9	56	Re	ed Maple	Medium	5 - 10 feet	Sapling	YOE's to promote natural pine regeneration. White pine varies 20 years in the log size class. Plus 2 other age classes in the pole size class and
	Red Pine	65	XLog/Log	19	106						understory. Paper birch and jack pine also make up components of this stand. Oak is fading fast due to age.
25	6128 - Lowland Dec	Coniferous iduous	, Mixed P	oletimb	er Well	4.5	66	111-140	N/A		White cedar is hollow for the most part. Stand is seasonally wet but should be solid enough to operate on during dry summer months or
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	frozen winter months. Heavy deer use as cover during winter months.
	White Pine	4	Log/XLog	16		Blad	ck Spruce	Medium	Variable	Sapling	
	Red Pine	3	Log/XLog	16							
	Black Spruce	44	Pole	8	66						
	Paper Birch	4	Log/Pole	10							
No	rthern White Cedar	25	Log/Pole	10	100						
	Red Maple	20	Log	12							
26	6225	5 - Bog		Nonst	ocked	2.0			No		Seasonally to yearly wet. Water fluctuates as a natural process in this community.
							nopy Species		Avg. Height	Size	
							ack Pine	Trace		Sapling	
					E		Bilberry/Cranber	-		Tall Shrub	
							amarack	Trace Medium		Sapling	
-						LE	atherleaf	Medium		Tall Shruk	1
27	42200 - Nati	ural White I	Pine P	oletimb	er Poor	15.6	53	1-50	N/A		Used old cutting record from 1971 for canopy age, but has some variability. Understory white pine left after harvest now dominates the
	Canopy Species		Size Class		Age						canopy percentage. Pole, log, and x-log pine scattered throughout with
	Red Maple	5	Sapling	1							some open areas as well. Stand met regen objectives. Stand harvested
	White Pine	78	Pole/Sap/Log		53						2019, 204 Painted Firewood #72-634-16.
	White Oak	2	Log	14							Old comments- Large diameter northern pin oak stand. Mortality is
N	Northern Pin Oak	5	Sapling	1							occuring in the oak. White pine, red pine, and red maple are succeeding
	Red Pine	10	Log/XLog	16							through the canopy. Stand may have been thinned forty years ago. Understory varies in age but averages to forty. Heavy deer browse on all oak regeneration.
28	42120 - Pla			Sapling		58.0	27	Immature	N/A		Edge call made from north side of stand and using aerial imagery to confirm previous stand examiner's data. Changed stand to upland with
	Canopy Species		Size Class		Age						lowland due to some areas of hummacky ground containing sheep
	Jack Pine	100	Sapling/Pole	4	27						laurel.Old comments- Old railroad grade runs along north edge of stand. Heavy deer use during winter months for cover. Harvested under contract # 72-014-96-01, Amy Jack Block in 1996. Planted under FTP C72-389 in April of 1997. Inclusion of jack pine to the east which was planted in 1989.



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	
29	42120 - Plai	nted Jack P	ine	Poletimb	er Well	34.4	28	1-50	N/A		There is some humacky ground towards the south half but still looks like	
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	upland throughout.Old comments- Natural jack pine stand with inter planted jack pine. The younger age class of jack pine appears to be	
No	orthern Pin Oak	10	Pole	6		Black/Red	d (Hybrid) Oak	Low	< 5 feet	Seeding	consentrated to the north and south. Previous inventory referenced 15	
	Jack Pine	90	Pole	5	28	Blac	k Cherry	Medium	Variable	Sapling	acres as being seeded due to poor stocking. Stand was harvested in	
											1988 under contract# 72-007-87-01, Tank Trap Block. FTP was draft and submitted for this YOE. FTP# C72-384 was submitted April 1996 plant open areas to jack pine. Planting summary was completed in Ju of '96.	
30	42221 - Natural Dec	Jack Pine, iduous	Mixed	Sapling N	/ledium	74.2	18	1-50	N/A		Mosaic of jack pine, open cherry, and oak. Changed stand to even aged (not enough older oak left to call 2 aged).Old comments-Minimal	
C	Canopy Species	% Cover	Size Class	DBH	Age						deciduous regeneration because of heavy deer browse. Snow limited. Maybe more oak under 3 ft which have not been browsed. Super canon	
	Red Maple	5	Sapling	2							oak experiencing mortality. Sub-canopy oak and aspen are browsed	
No	orthern Pin Oak	10	Sapling	2							individuals. Sub-canopy jack are seedlings. Portions of the stand have	
E	Black Cherry	10	Sapling	1							an oak management objective. All portions fail for oak and pass for jack	
No	orthern Pin Oak	5	Log/XLog	16	108						pine. Harvested under contract # 72-032-05-01, Blue Bear Snow in July of 2006. Left all red pine and white pine as well as scattered individial	
Q	uaking Aspen	3	Sapling	2							retention trees and painted out islands. Harvest was made up of eight	
	Jack Pine	65	Sapling	2	18						different stands, six oak and two jack pine. Needs more regeneration work.	
											work.	
31	622	5 - Bog		Nonsto	cked	2.9			No		Blueberry bog	
						Sub-Car	nopy Species	Density	Avg. Height	Size		
						Lea	therleaf	High		Tall Shrub		
					E		therleaf lberry/Cranberr			Tall Shrub		
32	42220 - Nat	ural Jack Pi	ine	Sawtimbe					N/A			
C	Canopy Species		ine Size Class		er Well	Blueberry/Bi 5.9	lberry/Cranberr	y High	N/A Avg. Height			
C					er Well	5.9 Sub-Car	ilberry/Cranberr 72	y High 51-80		Tall Shrub		
C	Canopy Species	% Cover	Size Class	DBH	er Well	5.9 Sub-Car	72 nopy Species	y High 51-80 Density	Avg. Height	Tall Shrub		
No	Canopy Species orthern Pin Oak	% Cover 20	Size Class	DBH	er Well	5.9 Sub-Car Wh	72 nopy Species ite Pine	y High 51-80 Density Low	Avg. Height Variable	Size Sapling		
33	Canopy Species orthern Pin Oak Jack Pine White Pine 42210 - Nat	% Cover	Size Class Log Log/Pole Log ine Pole Pole Log	DBH	Age 72 Mediur	5.9 Sub-Car Wh Blace Norther m 11.5	72 nopy Species ite Pine k Cherry ern Pin Oak	y High 51-80 Density Low Medium	Avg. Height Variable < 5 feet < 5 feet N/A	Size Sapling Sapling	Natural jack pine stand surrounding a small bog. Stand was not opened up enough to facilitate good regeneration but,	
33	Canopy Species orthern Pin Oak Jack Pine White Pine	% Cover 20 78 2 2 tural Red Pi % Cover	Log Log/Pole Log	DBH	Age 72 Mediur	5.9 Sub-Car Wh Blace Norther m 11.5	72 nopy Species ite Pine ek Cherry	y High 51-80 Density Low Medium Low	Avg. Height Variable < 5 feet < 5 feet	Size Sapling Sapling	Natural jack pine stand surrounding a small bog.	
33 0	Canopy Species orthern Pin Oak Jack Pine White Pine 42210 - Nat	% Cover 20 78 2 2 tural Red Pi % Cover 25	Size Class Log Log/Pole Log ine Pole Size Class Pole	12	Age Mediur	5.9 Sub-Car Wh Blac Northe n 11.5 Sub-Car	72 nopy Species ite Pine k Cherry ern Pin Oak	y High 51-80 Density Low Medium Low 51-80	Avg. Height Variable < 5 feet < 5 feet N/A	Size Sapling Sapling Sapling Sapling Sapling	Natural jack pine stand surrounding a small bog. Stand was not opened up enough to facilitate good regeneration but, existing red and white pine pole timber was released and now make up canopy. Stand harvested in 2019 204 Painted Firewood (72-634-16). Ry says 30-50 BA, but is over 100 in places.	
33 0	Canopy Species orthern Pin Oak Jack Pine White Pine 42210 - Nat	% Cover 20 78 2 2 tural Red Pi % Cover	Size Class Log Log/Pole Log ine Political	DBH 12 10 10 10 Poletimber	Age 72 Mediur	5.9 Sub-Car Wh Blac Northe 11.5 Sub-Car Northe	72 nopy Species ite Pine k Cherry rn Pin Oak 43 nopy Species	y High 51-80 Density Low Medium Low 51-80 Density	Avg. Height Variable < 5 feet < 5 feet N/A Avg. Height	Size Sapling Sapling Sapling Sapling	Natural jack pine stand surrounding a small bog. Stand was not opened up enough to facilitate good regeneration but, existing red and white pine pole timber was released and now make up canopy. Stand harvested in 2019 204 Painted Firewood (72-634-16). Rx	

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	nd Level 4 Cover Type		•	Size De	ensity	Acres	Stand Age I	BA Range	e Managed Site		General Comments	
36	4319 - Mixed	Upland Fo	rest	Sapling	Poor	59.6	3	1-50	N/A		Planted red pine among a lot of residual oak and pine. RP should dominate canopy next rotation.Old comments- Was cut July 2006	
	Canopy Species	% Cover	Size Class	DBH	l Age						(#032-05), leaving all RP-WP, marked leave trees and ret islands	
	Red Pine	40	Sapling	1	3						Sparse regen heavily browsed. Residual NPO mortality. Most of the	
N	Northern Pin Oak	7	Log	14							stand (42 acres) was chopped in 2016 and trenched in 2017 (C72-804 excluding pockets of oak residual and regen left for diversity. Was site prep sprayed June 2019. Planted 1052 TPA PRT RP in May 2021. So	
N	Northern Pin Oak	5	Sapling	1								
	Black Cherry	43	Sapling	1	3						2021 Yr 1 survey: 848 TPA, 81% FTG, 9.6% mortality. BC is the	
	White Pine	5	Log/Pole	10							primary competitor, O-RM secondary. Oct 2023 Yr 3 survey: 911 TPA, 80% FTG, 7% mortality, primary competitor BC, secondary oak.	
37	4131 - A	spen, Oak	Pol	etimbe	r Medium	4.6	42	51-80	N/A		Old railroad grade runs through this stand. Snowmobile trail is also	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	adjacent.	
	Quaking Aspen	50	Pole	7	42		ck Cherry	Medium	Variable	Sapling		
Ν	Northern Pin Oak	30	Pole	7		Northe	ern Pin Oak	Low	5 - 10 feet	Sapling		
	White Pine	10	Pole/Log	9		Wh	nite Pine	Low	Variable	Sapling		
	Black Cherry	5	Pole/Sapling	5							1	
	Jack Pine	5	Pole	8								
38		duous % Cover		Saplino							Some pole size areas but, still overall sapling sized. Old comments- Jack pine is dense. Oak has overtopped the jack pine in most places. Stand will be a nice mix in the future providing it self thins. Stand was	
	Canopy Species	% Cover	Size Class	DBH	I Age						harvested in 1989 under contract # 72-009-87-01, Refrigerator Block.	
N	Northern Pin Oak	30	Pole/Sapling	5							FTP# C72-384 was submitted April 1996 to plant open areas to red pine	
	White Pine	3	Pole	8							Planting summary was completed in June of '96 and indicated jack pine was planted instead	
	Jack Pine	67	Sapling/Pole	4	28						was planted instead.	
39		1										
	42200 - Natu	ıral White F		awtimb	er Well	5.2	56	81-110	N/A		Jack pine and red maple understory in current canopy gaps. Will recruit	
	Canopy Species	% Cover	Pine S Size Class	DBF	er Well	Sub-Ca	nopy Species		Avg. Height	Size		
	Canopy Species Northern Pin Oak	% Cover	Pine S	DB F	er Well Age 30	Sub-Ca Re	nopy Species d Maple		Avg. Height 10 - 20 feet	Sapling	into the canopy. White pine put on good diameter growth since release	
	Canopy Species	% Cover 10 88	Pine S Size Class	DBH 6 11	er Well	Sub-Ca Re	nopy Species	Density	Avg. Height		into the canopy. White pine put on good diameter growth since release	
	Canopy Species Northern Pin Oak	% Cover	Pine S Size Class Pole	DB F	er Well Age 30	Sub-Ca Re Northe	nopy Species d Maple	Density Low	Avg. Height 10 - 20 feet	Sapling	into the canopy. White pine put on good diameter growth since release	
	Canopy Species Northern Pin Oak White Pine Red Pine	% Cover 10 88	Pine S Size Class Pole Log/Pole Pole/Log	DBH 6 11	Age 30 56	Sub-Ca Re Northe	nopy Species d Maple ern Pin Oak ck Pine	Low Low Low	Avg. Height 10 - 20 feet Variable	Sapling Sapling Sapling ack Pine,	oak stump sprouts represent canopy oak. Stand regenerated to mostly cherry with a heavily browsed component oak. A pocket of aspen/cherry in middle of stand. Stand 34 merged with stand 40 following harvest. Jamaican Jack #72-635-16, harvested Jan 2021.Stand 40 old comments- Oak and jack pine both experiencing	
N	Canopy Species Northern Pin Oak White Pine Red Pine	% Cover 10 88 2 2 land Shrub	Pine S Size Class Pole Log/Pole Pole/Log	DBH 6 11	ar Well Age 30 56 ocked	Sub-Ca Re Northe	nopy Species d Maple ern Pin Oak ck Pine	Low Low Low	Avg. Height 10 - 20 feet Variable Variable 42221 - Natural J	Sapling Sapling Sapling ack Pine,	oak stump sprouts represent canopy oak. Stand regenerated to mostly cherry with a heavily browsed component oak. A pocket of aspen/cherry in middle of stand. Stand 34 merged with stand 40 following harvest. Jamaican Jack #72-635-16, harvested Jan 2021.Stand 40 old comments- Oak and jack pine both experiencing mortality. Heavy jack pine snapping and debris on forest floor. Younga ge class of oak is doing well.Stand 34 old comments- Jack pine plantation. Scattered older stems of natural jack pine. Mortality is	
40	Canopy Species Northern Pin Oak White Pine Red Pine 320 - Upi	% Cover 10 88 2 2 land Shrub	Pine S Size Class Pole Log/Pole Pole/Log	6	ar Well Age 30 56 ocked	Sub-Ca Re Northe Ja 35.8	nopy Species d Maple ern Pin Oak ck Pine	Low Low Low Low	Avg. Height 10 - 20 feet Variable Variable 42221 - Natural J Mixed Decid	Sapling Sapling Sapling ack Pine,	oak stump sprouts represent canopy oak. Stand regenerated to mostly cherry with a heavily browsed component oak. A pocket of aspen/cherry in middle of stand. Stand 34 merged with stand 40 following harvest. Jamaican Jack #72-635-16, harvested Jan 2021.Stand 40 old comments- Oak and jack pine both experiencing mortality. Heavy jack pine snapping and debris on forest floor. Younge age class of oak is doing well.Stand 34 old comments- Jack pine plantation. Scattered older stems of natural jack pine. Mortality is occuring in the oak and older stems of jack pine. Minimal understory.	
40	Canopy Species Northern Pin Oak White Pine Red Pine 320 - Upi	% Cover 10 88 2 2 land Shrub	Pine S Size Class Pole Log/Pole Pole/Log	6	ar Well Age 30 56 ocked	Sub-Ca Re Northe Ja 35.8	nopy Species d Maple ern Pin Oak ck Pine	Low Low Low Low	Avg. Height 10 - 20 feet Variable Variable 42221 - Natural J Mixed Decid	Sapling Sapling Sapling ack Pine, luous	Stand regenerated to mostly cherry with a heavily browsed component oak. A pocket of aspen/cherry in middle of stand. Stand 34 merged with stand 40 following harvest. Jamaican Jack #72-635-16, harvested Jan 2021.Stand 40 old comments- Oak and jack pine both experiencing mortality. Heavy jack pine snapping and debris on forest floor. Younge age class of oak is doing well.Stand 34 old comments- Jack pine plantation. Scattered older stems of natural jack pine. Mortality is occuring in the oak and older stems of jack pine. Minimal understory. Grassy opening with some cherry, oak, and jack pine.	



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments		
43	4191 - Mixed Upla Co	and Decidu onifer	ous with S	awtimb	er Poor	37.3 56		1-50 N/A			Changed from 2-aged to even aged. Most of the 108 year old oak has died and cannot be another age class. Stand 50 merged with stand 43		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	due to similar characteristics. Stand 43 old comments- Meets 30% crown closure. Stand contains two aspen clones with scattered canopy		
	Black Cherry	30	Pole/Sapling	5		Qual	king Aspen	Trace	5 - 10 feet	Sapling	oak and jack pine. Primarily a cherry brush stand in the		
	Northern Pin Oak	30	Log	15	56	North	ern Pin Oak	Low	Variable	Sapling	understory.Stand 50 old comments- Harvested under contract # 72-034-05-01, Patchy Oak in June of 2006, cutting all oak, aspen, jack pine, and red maple 2" and up. Left red and white pine. Successfully expanded aspen clone in previous harvest but not enough to overcome cherry in this stand. Oak regeneration was low from previous harvest and has experienced heavy deer browse. Black cherry is dominate throughout most parts of this stand. Eight acres in the stand's SW were		
	Jack Pine	15	Pole/Log	9		Bla	ck Cherry	Medium	Variable	Tall Shrub			
	White Pine	15	Log/Pole	10		Ja	ack Pine	Low	< 5 feet	Sapling			
	Quaking Aspen	10	Pole	8									
											chopped in 2016 and trenched in 2017 (C72-804). That has now been split off as stand 150.		
44	4125 - Blac	k, N. Pin O	ak	Sapling	y Well	13.6	27	1-50	N/A		Old comments- Oak is growing well. Most patches are fully stocked with		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak growing from stump sprout (average 7 stems/stump.) Aspen is only dominate where a clone was located. Even mix of pine in most.		
	Jack Pine	10	Sapling/Pole	4		North	ern Pin Oak	Low	< 5 feet	Sapling			
	White Pine	5	Pole/Sapling	5		Ja	ack Pine	Low	< 5 feet	Sapling			
	Red Pine	2	Pole/Sapling	5		WI	hite Pine	Low	< 5 feet	Sapling			
	Bigtooth Aspen	13	Pole/Sapling	5									
	Northern Pin Oak	70	Sapling/Pole	4	27								
45		ŕ							Mixed Decid	duous	A few small pockets of aspen, heavily browsed oak, and scattered jack pine seedlings following harvest, but has failed to meet natural regen objectives. Small bog in north excluded from harvest. Final harvest Completed Jan of 2021. Leave all red and white pine. Old comments: Jack pine is two aged. Previous harvest left oak and more than likely unmerchantable jack pine. Stand was then planted through. Older pine and oak are dying out of the stand.		
46	42110 - Pla	nted Red P	ine	Sapling	y Well	118.0	16	1-50	N/A		Changed stand to even-aged, not enough in residuals to call 2-aged. Rec		
	Canopy Species	% Cover	Size Class	DBH	Age						pine looks healthy. Some ip and cherry competition in places, but overall stand looks good.Old comments- 40% of stand is free to grow, more if		
	White Pine	5	Log/Pole	11							all pine is included. White pine was left from previous harvest. Oak		
	Red Pine	70	Sapling	2	16						super canopy is in retention islands and was not planted through. Natura		
	Jack Pine	8	Sapling	2							jack pine will succeed with this stand. Harvested under contract # 72-036 05-01, AuSable Trail Sale in August of 2006. Trenched and planted		
	Black Cherry	10	Sapling	2							spring of 2008 under FTP C72-562.		
	Northern Pin Oak	2	Log	14									
	Northern Pin Oak	5	Sapling	1	17								
47		- Aspen		Sapling		5.3	18	Immature	N/A		Old comments- Aspen regenerated well. Expanded outside of old stand 87 to the west. Harvested under contract # 72-034-05-01, Patchy Oak in		
	Canopy Species		Size Class		Age						June of 2006. Cut all oak, aspen, jack pine, and red maple 2" and up.		
	White Pine	1	Log/Pole	10							Left red and white pine. Old stand 87 passes aspen MO.		
	Black Cherry	5	Sapling	2									
	Northern Pin Oak	5	Sapling	1									
	Quaking Aspen	89	Sapling	3	18								



Stand	Level 4 C	over Type	s	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
48	42200 - Nat	ural White F	Pine Pole	etimber	Medium	44.8	50	1-50	N/A		2024- Stand 41 merged with Stand 48 to maintain mapping guidelines.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	NW section of stand was Stand 41- Heavily declining Jack Pine and Hybrid Oak with some scattered W Pine. Roughly 1 acre patch on W side
	White Pine	90	Pole	9	50	Re	ed Oak	Low	5 - 10 feet	Sapling	around 80 BA, rest of stand 41 sparse, maybe 20-30 BA, less than 30-
	Red Pine	9	Log/Pole	11		Wh	ite Pine	Low	< 5 feet	Sapling	40% canopy cover. Good Red Maple regeneration coming in most of this
	White Oak	1	Pole	6		Asp	Aspen (spp.)		5 - 10 feet	Sapling	area, should convert well to mixed hardwood deciduous cover type.
	4404 Mixed Hel	and Dasidu	ovo with (1		Mall	0.4	07		N/A		Majority of stand 48 covered under 72-634-16 Painted Firewood. Essentially converted stand to White Pine typing. Cored several W. Pine in 6-10" DBH class, avg age of 50 years. Scattered R Pine throughout, with pocket near center of stand heavy to R Pine. Occassional scattered White Oak. Appearance of a shelterwood, with many stump sprouted R Oak that have already reached 6-8 ft recruitment size. 2019-Stand harvested in 2019, 204 Painted Firewood (72-634-16). Inclusion of aspen in the SE corner. Oak is experiencing mortality throughout the stand. Pine is succeeding.
49	4191 - Mixed Upland Deciduous with Sapling Conifer Canopy Species % Cover Size Class DBH					8.4		mmature	N/A	Size	2024- Two easternmost pockets are A3 stands, with western of those two approaching pole size class. Others are varied cover types and canopy closures. Oak/Maple mix, Cherry/Oak mix, etc. All have components of
	White Pine	% Cover	Sapling	4	Age		nopy Species ern Pin Oak	Density Low	Avg. Height 5 - 10 feet	Seeding	oak.
	Red Maple	3	Sapling	3	27		ck Pine	Medium	< 5 feet	Sapling	2014-Eastern most pocket is an A 3 stand. Aspen becomes less of a component as you move west. Pine becomes more prevalent. Western
	Red Pine	2	Sapling	4			ite Pine	Medium	< 5 feet	Sapling	most patches have the lowest stocking.
	Quaking Aspen	25	Sapling/Pole	5	27						
	Jack Pine	15	Sapling	4							
51	4310 - Pi	ine, Oak Mix	x Pole	etimber	Medium	6.3	35	1-50	N/A		Old comments- Stand is progressing slowly. White pine was left from
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvest, should help fill in gaps later on.
	Jack Pine	32	Pole/Sapling	5	35	Ja	ck Pine	Low	< 5 feet	Sapling	
	Black Cherry	10	Sapling	4		Blac	k Cherry	Medium	Variable	Sapling	
	Northern Pin Oak	28	Pole/Sapling	5	35						
	Bigtooth Aspen	20	Pole	7							
	White Pine	10	Log/Pole	10							
52	4125 - Blad	ck, N. Pin O	oak Sa	awtimbe		6.6	108	1-50	N/A		Widely spaced over-mature wolfy pin oak with open areas containing cherry brush and some oak.
	Canopy Species		Size Class	DBH			nopy Species	Density	Avg. Height	Size	onony brasil and some out.
	Northern Pin Oak	91	XLog	20	108		k Cherry	High	10 - 20 feet	Pole	Old comments- Naturally open stand with an old cherry understory. Both
	Jack Pine	2	Log/Pole	10			ck Pine	Trace	Variable	Sapling	are experiencing mortality.
	Black Cherry	5	Pole	8		Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	
	White Pine	2	Log/Pole	10							

Report 7 - Stands



Stand	d Level 4 Cover Type		Level 4 Cover Type S		ensity	Acres	Stand Age	BA Range	Managed \$	Site	General Comments
53	330 - Low-	Density Trees	S	Nonsto	ocked	1.4			No		Grassy opening with a few large pin oaks and some cherry brush.
						Sub-Ca	nopy Specie	es Density	Avg. Height	Size	
						Northe	ern Pin Oak	Medium		Log	
						Blac	ck Cherry	Low		Tall Shrub	
55	330 - Low-l	Density Tree:	s	Nonsto	ocked	37.8	0	Unspecified	4191 - Mixed Deciduous wit		Stand failed to meet natural regen objective following harvest. Mostly cherry with some scattered jp seedlings. Merged opening (stand 54) in southwest with stand 55. White pine and red pine residuals throughout. Ausable Trail Oak #72-633-16. Harvested 11/18, chipped 04/19, and closed 05/20 once the final wood was removed from PU2. Heavy oak and jack pine mortality. Oak was thinned 47 years ago except for a small pocket to the south which is on a small ridge with better site quality. White oak and most of the older age class of jack pine are in this area. Aspen exists in several small clones.
56	110 - Low II	ntensity Urba	an	Nonsto	ocked	7.5			No		S. AuSable Trl.
57	6112 - Lo	wland Aspen	Sa	awtimber	r Mediu	m 7.4	57	81-110	N/A		Somewhat open aspen with heavy shrubs in understory. Old
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	comments- Oak is on upland site along north boundary. Aspen is in the river floodplain.
	Red Maple	3	Log	12		Wh	nite Pine	Low	Variable	Sapling	
	White Pine	7	Log/Pole	10		Та	ıg Alder	Medium	5 - 10 feet	Tall Shrub	
	Quaking Aspen	60	Log/Pole	11	57	Wil	d Raisin	Medium	5 - 10 feet	Tall Shrub	
	Black Cherry	5	Pole	7		Blac	ck Cherry	High	Variable	Sapling	
	Jack Pine	10	Log	12							
	Northern Pin Oak	15	Log	16	103						
58	6220 - A	Alder/willow		Nonsto	ocked	3.1			No		Tag alder and Ausable River.
						Sub-Ca	nopy Specie	es Density	Avg. Height	Size	
						Ta	ig Alder	Full		Tall Shrub	
60	6220 - A	Alder/willow		Nonsto	ocked	1.5			No		Tag alder with a few scattered cedar, birch, pine in stand.Old
						Sub-Ca	nopy Specie	es Density	Avg. Height	Size	comments- Year around wet stand along river. AuSable river runs through this stand.
						Та	ıg Alder	Full		Tall Shrub	
61	6220 - A	Alder/willow		Nonsto	ocked	1.6			No		Mostly open grass lowland with some willow and tag alder. Ausable River included in stand.

Report 7 - Stands



Compartment: 204

	Grayling Mgt. Unit						Кор				Year of Entry: 2026		
Stand	Level 4 C	over Type		Size De	nsity	Acres Stand Age B		BA Range	Managed S	ite	General Comments		
62	42200 - Nat	ural White F	Pine	Sawtimbe	er Poor	17.4	66	1-50	N/A		Stand has a shelterwood appearance following harvest with basal area		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	ranging from 20-100 (around 50 on avg). Some white pine regen in southern half of stand. Some large portions of stand where ba is higher,		
	White Pine	80	Log/Pole	10	66	Bigto	ooth Aspen	Medium	10 - 20 feet	Sapling	consist mostly of scattered cherry brush in understory. A couple pockets		
	Red Pine	20	Log	11		Bla	ck Cherry	Low	Variable	Sapling	of aspen regen in places too (mostly in north). Overall stand met regen		
						W	hite Pine	Medium	5 - 10 feet	Sapling	objectives following harvest. RMZ and portion east of trail not included in harvest but, too small to make separate stands. Harvested in winter of		
								2016/2017. All oak, red maple, and aspen were harvested, leaving all white and red pine.					
											Some mortality in the oak. White pine and maple succeeding through the canopy. Heavy deer use during winter months. Paper birch and white oak present in southern portions of the stand. Scattered older stems of white and red pine. Stand has a small inclusion of cedar/tamarack in the SW corner.		
63	63 4139 - Aspen, Mixed Deciduous Sawtimber Wel						66	81-110	N/A		Changed stand age from 2 aged to even. Most of the 100 year old oak has died. A few remnant oak and pine in that age class but not enough to		
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size	separate. Old comments-High visual influence area. Stand is an		
	Red Pine	5	Log/XLog	16			ed Maple	Medium	Variable	Sapling	access point to the AuSable River. Aspen will hold another 10 years.		
	White Pine	10	Log/Pole			Bla	ck Cherry	Low	Variable	Sapling			
1	Northern Pin Oak	12	XLog/Log			W	hite Pine	Medium	Variable	Sapling			
	White Oak	1	XLog	18									
	Bigtooth Aspen	55	Log	12	66								
	Red Maple	17	Pole/Log	9									
64	6233 - V	Vet Meadow	,	Nonsto	cked	1.0	0		No		Old comments- Marsh with perimeter leatherleaf. OPIC - FMD: Dense leatherleaf over sphagnum moss in standing water. Falls within a large intermittent wetland ERA.		
65	710 - 9	Sand, Soil		Nonsto	cked	0.7	0	Immature			Stockpiling site for spoils dredged from the Williams Sand Trap (F72-727). Most recent deposition was October 2018.		
150	4119 - Mixed Northern Hardwoods		dwoods	Sapling Poor			3	1-50	N/A		Was cut in 2006 (#034-05), leaving the RP-WP. Sparse oak regen heavily browsed; BC-dominated regen. This portion of the original stand		
	Canopy Species	% Cover	Size Class	DBH	Age						50 was chopped in 2016 and trenched in 2017 (C72-804). Was site-prep		
	Red Pine	10	Sapling	1							sprayed June 2019. Planted 1043 TPA PRT RP in May 2021. Sept 2021		
	White Pine	5	Log/Pole								Yr 1 survey: 848 TPA, 81% FTG, 9.6% mortality. Oct 2023 Yr 3 survey: 911 TPA, 80% FTG, 7% mortality, primary competitor BC, secondary		
	Black Cherry	75	Sapling	1	3						oak. This was FRS data aggregated with stand 36.		

Northern Pin Oak

Sapling

10