

### **Compartment Review Presentation**

**Gladwin Forest Management Unit** 

73002
2023
2,678
Clare
Upper Muskegon

**Revision Date: 2021-05-18** 

### Stand Examiner: Colton Behrmann

### Legal Description:

T20N R03W Sections 1, 4, 5, 8, 12, 14, 17, 25, 32 & 33

### **Identified Planning Goals:**

Manage the aspen, oak and red pine stands to maintain a variety of age classes to support forest sustainability and to enhance wildlife habitat.

### Soil and topography:

The area varies from medium drained soils to well drained soils and is level to gently rolling hills. The major soil types are Montcalm-Menominee-Nester. And Graycalm-Montcalm associations. Overall the compartment is on excellent ground with site indices well above average.

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

The state land in this compartment is spread out all over T20N, R03W. The state and private lands are intermixed resulting in miles of private property lines. Private holdings range from small (less than 15 acres) subdivided lots to larger (greater than 40 acres) forested single holdings with absentee landowners. Forest management activity occurs on the larger private holdings. There are numerous permanent residences scattered throughout the entire compartment as well. The proximity of Dodge City to this compartment concentrates use on State Land within this compartment. There is also some farmland within the compartment and two small subdivisions that are adjacent to state land.

#### **Unique Natural Features:**

MNFI records indicate the following: high-quality pine barrens to W. Box turtle and osprey two miles to W. Red shouldered hawk further W. Bald eagle, wood turtle to E. Kirtland's warbler two miles to N. Loon to S. Historical record for bigmouth shiner to E in tributary to Muskegon River. Potential for blanding's turtle and eastern massasauga rattlesnake. Hill's thistle to NE. Potential for loons in lakes. Slight potential for secretive locust in bogs, especially if surrounded by jack pine. Potential for hill's thistle and allegheny plum in grassy openings within oak and pine stands. Slight potential for calypso and ram's head lady's slipper in conifer swamps.

### Archeological, Historical, and Cultural Features:

There is one documented site within the compartment.

#### **Special Management Designations or Considerations:**

None known.

### Watershed and Fisheries Considerations:

Popple Creek, Middle Branch Cedar River and several unnamed drainages flow through the compartment. There are many scattered low areas that are seasonally flooded and support populations of waterfowl and many non-game species.

### Wildlife Habitat Considerations:

Wildlife Habitat Considerations: Compartment 2 contains a variety of habitat types suitable for many wildlife species. The combination of older and younger forest age classes provides year-round habitat for many wildlife species that require various conditions throughout the year. Some game species that use this compartment include white-tailed deer, black bear, ruffed grouse, wild turkey, and American woodcock. Many other wildlife species likely use this compartment, including wood turtle, Blanding's turtle, pileated woodpecker, red shouldered hawk, goshawk, wood thrush, and woodland vole. Access to the larger portion of the compartment can be made along Claroskee Road.

### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial sand and gravel and postglacial alluvium and dune sand (southeast). The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift are teh Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for clay/shale in other areas of the State. A gravel pit is lovated in Section 8 and gravel potential appears to be good, especially the upland areas. Minor oil and gas development has

occurred in the compartment. Headquarters Field is located in the northeast portion. Discovered in 1941, it has produced more than 11 million BO from four Devonian formations, primarily the Richfield. All state mineral rights are leased for oil and gas development in the Compartment.

### Vehicle Access:

Access to most of the compartment is good via the county road system and state two tracks that are in place.

#### **Survey Needs:**

Survey request for Section 14 NESW quarter quarter has been submitted. New parcel purchased in 2013.

#### **Recreational Facilities and Opportunities:**

Designated Snowmobile Trail 655 located in T20NR03WS01. Dispersed recreation of hunting, camping, and orv use is likely to occur through out compartment due to the interface with the many private adjacent land owners and abundant state forest roads.

### **Fire Protection:**

A potential fire control problem exists due to the rural/urban interface within this compartment.

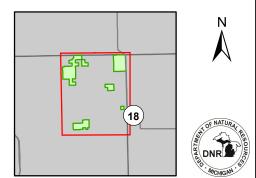
#### Additional Compartment Information:

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

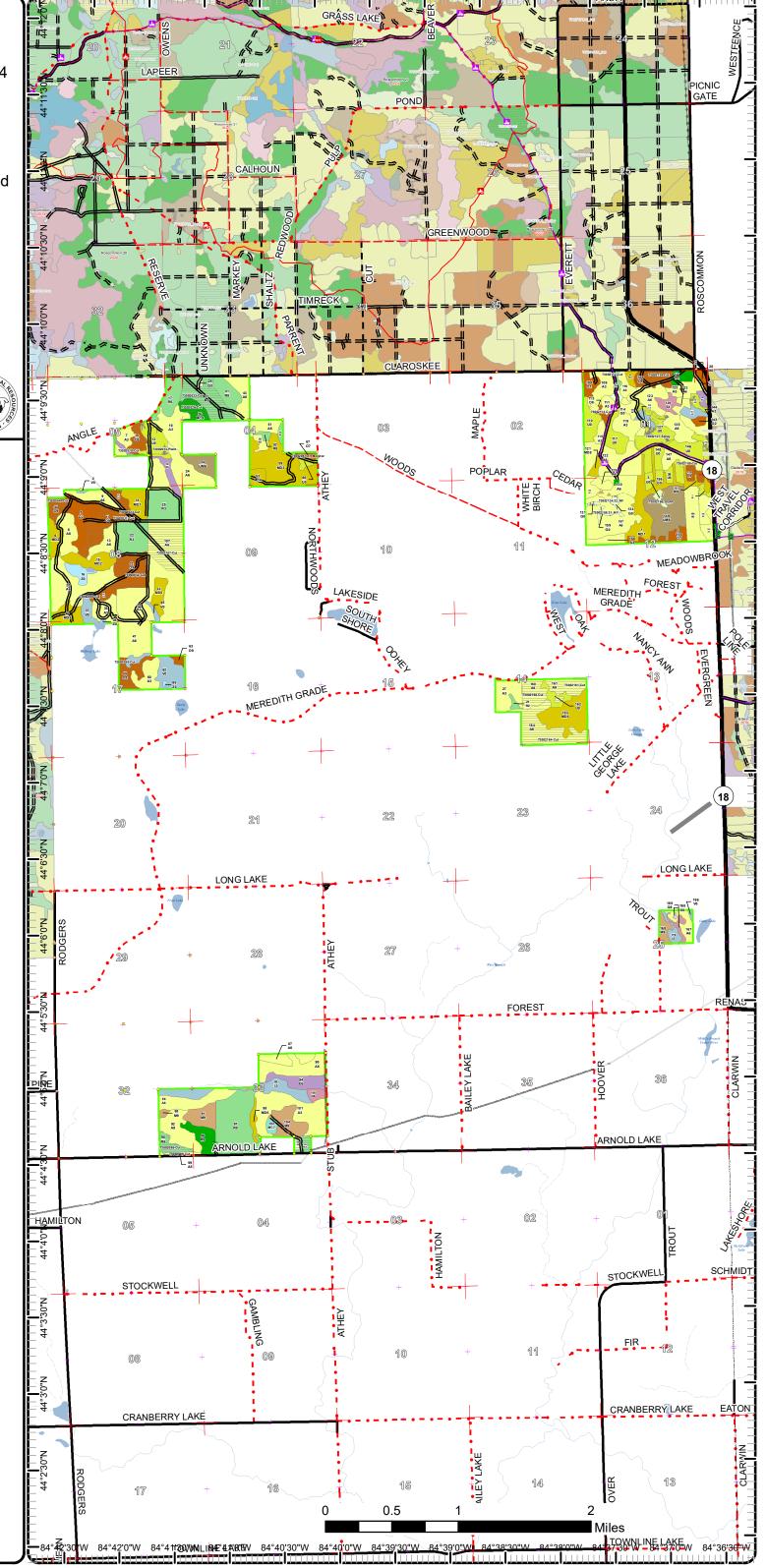
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries Details on the road access system

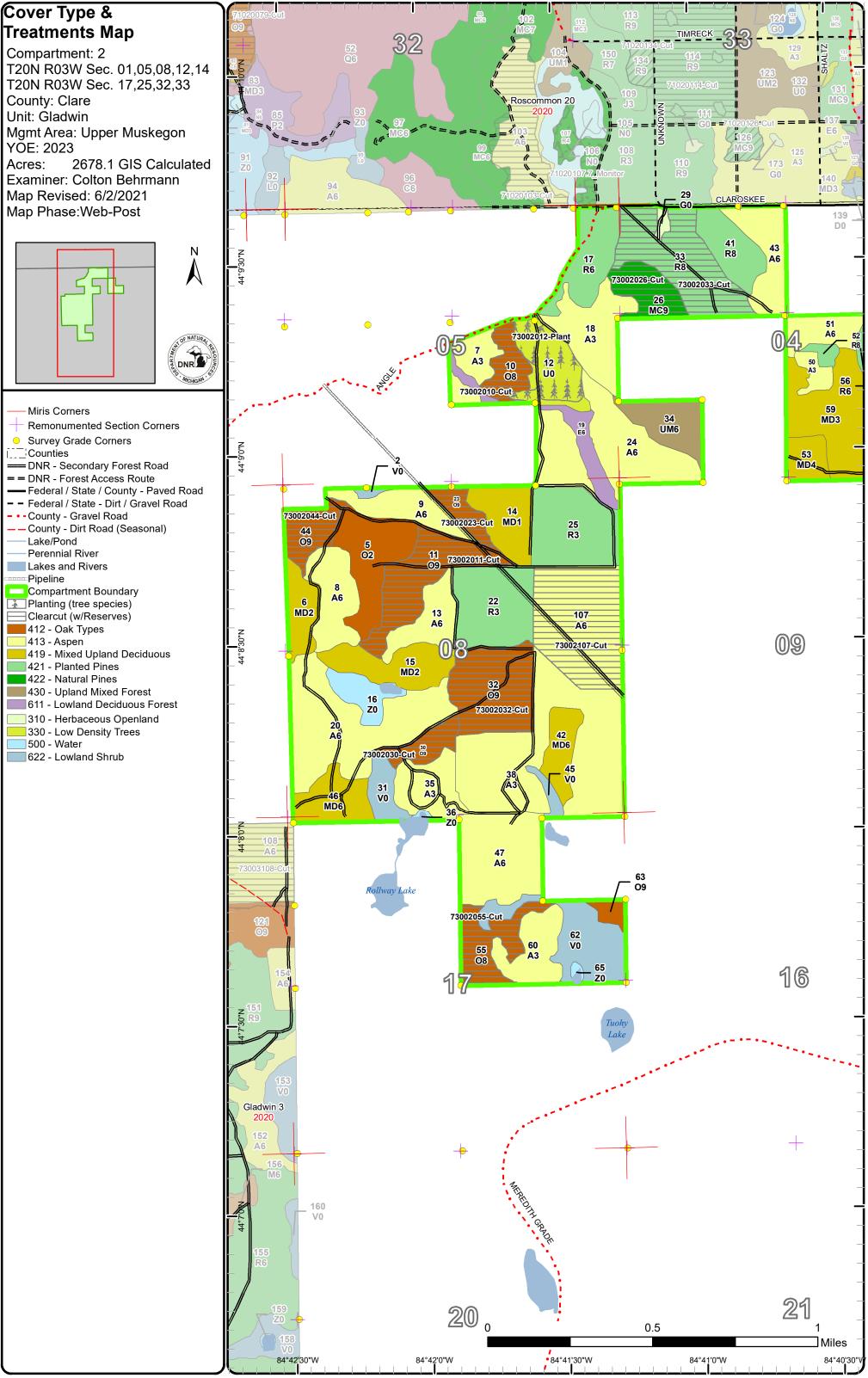
## Cover Type & Treatments Map

Compartment: 2 T20N R03W Sec. 01,05,08,12,14 T20N R03W Sec. 17,25,32,33 County: Clare Unit: Gladwin Mgmt Area: Upper Muskegon YOE: 2023 Acres: 2678.1 GIS Calculated Examiner: Colton Behrmann Map Revised: 6/2/2021 Map Phase:Web-Post



- Miris Corners
- **Remonumented Section Corners** Survey Grade Corners
- Counties
- = DNR Primary Forest Road
- = = DNR Forest Access Route
- Federal / State Highway
- Federal / State / County Paved Road
- - Federal / State Dirt / Gravel Road
- • County Gravel Road
- - County Dirt Road (Seasonal)
- Snowmobile Trails Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- Gate Culvert
- Pipeline
- Airports
- Compartment Boundary
- Pesticide
- Other Treatment See Comments
- Planting (tree species)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic) Regeneration Survey
- 411 Northern Hardwood
- 412 Oak Types
- 413 Aspen 419 Mixed Upland Deciduous
- 421 Planted Pines
- 422 Natural Pines
- 429 Mixed Upland Conifers 430 - Upland Mixed Forest
- 611 Lowland Deciduous Forest
- 612 Lowland Coniferous Forest
- 110 Low Intensity Urban
- 122 Roads/Parking Lot
- 310 Herbaceous Openland
- 330 Low Density Trees 500 - Water
- 622 Lowland Shrub

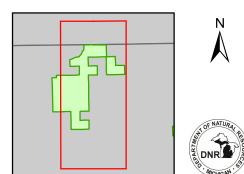






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0 Survey Grade Corners Counties

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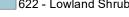
- • - County - Gravel Road

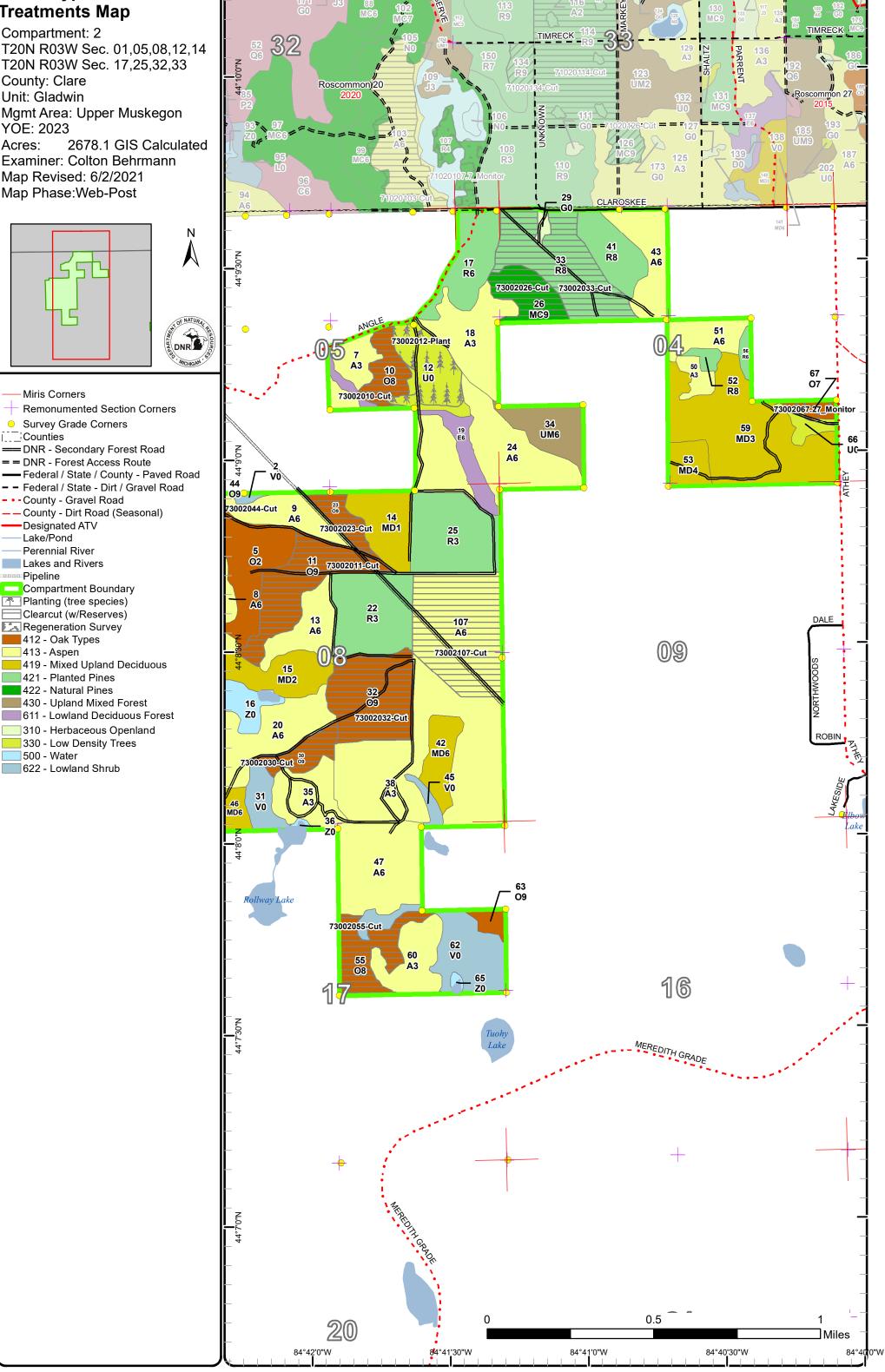
Lakes and Rivers

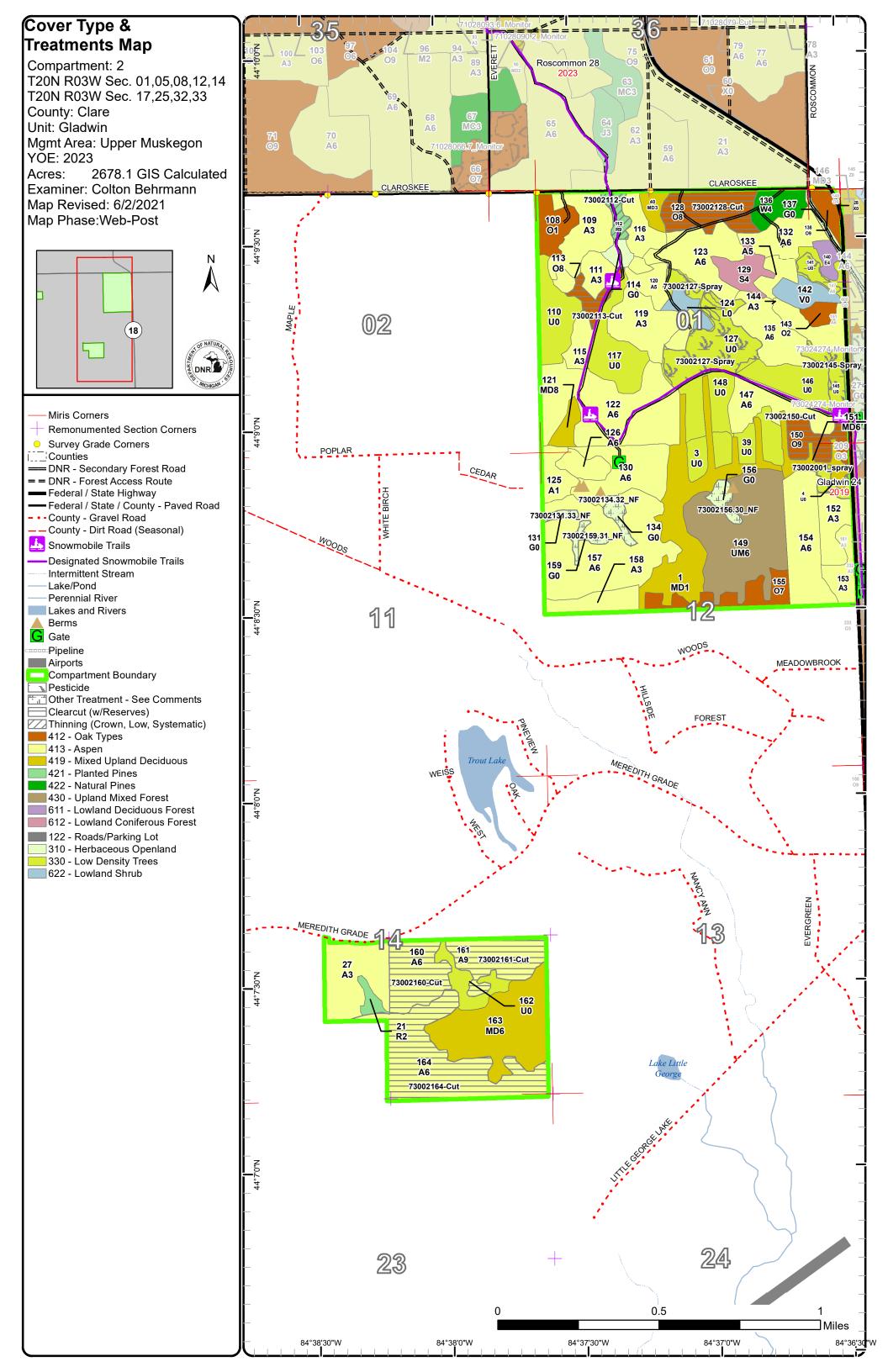
Pipeline

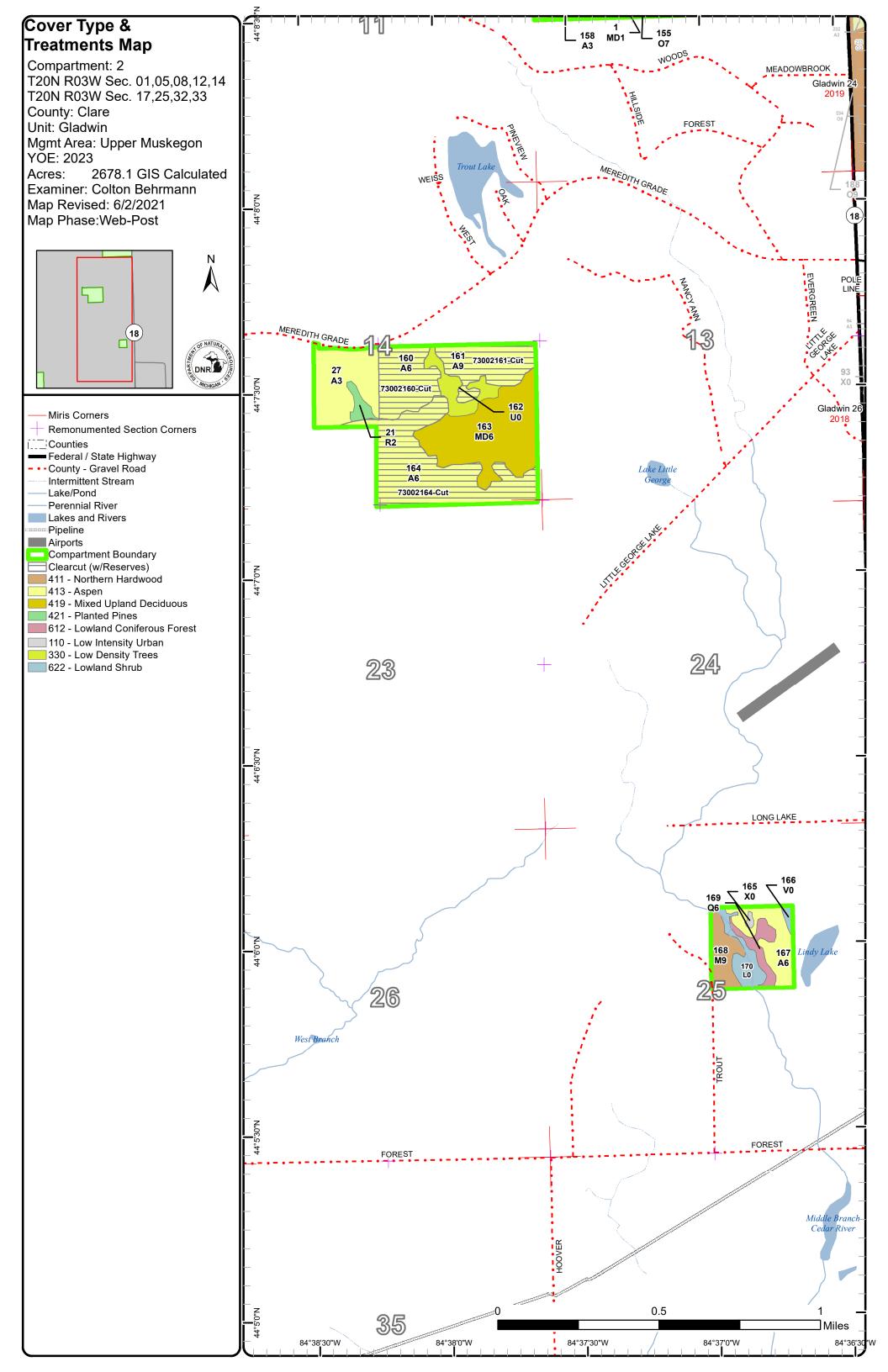
430 - Upland Mixed Forest

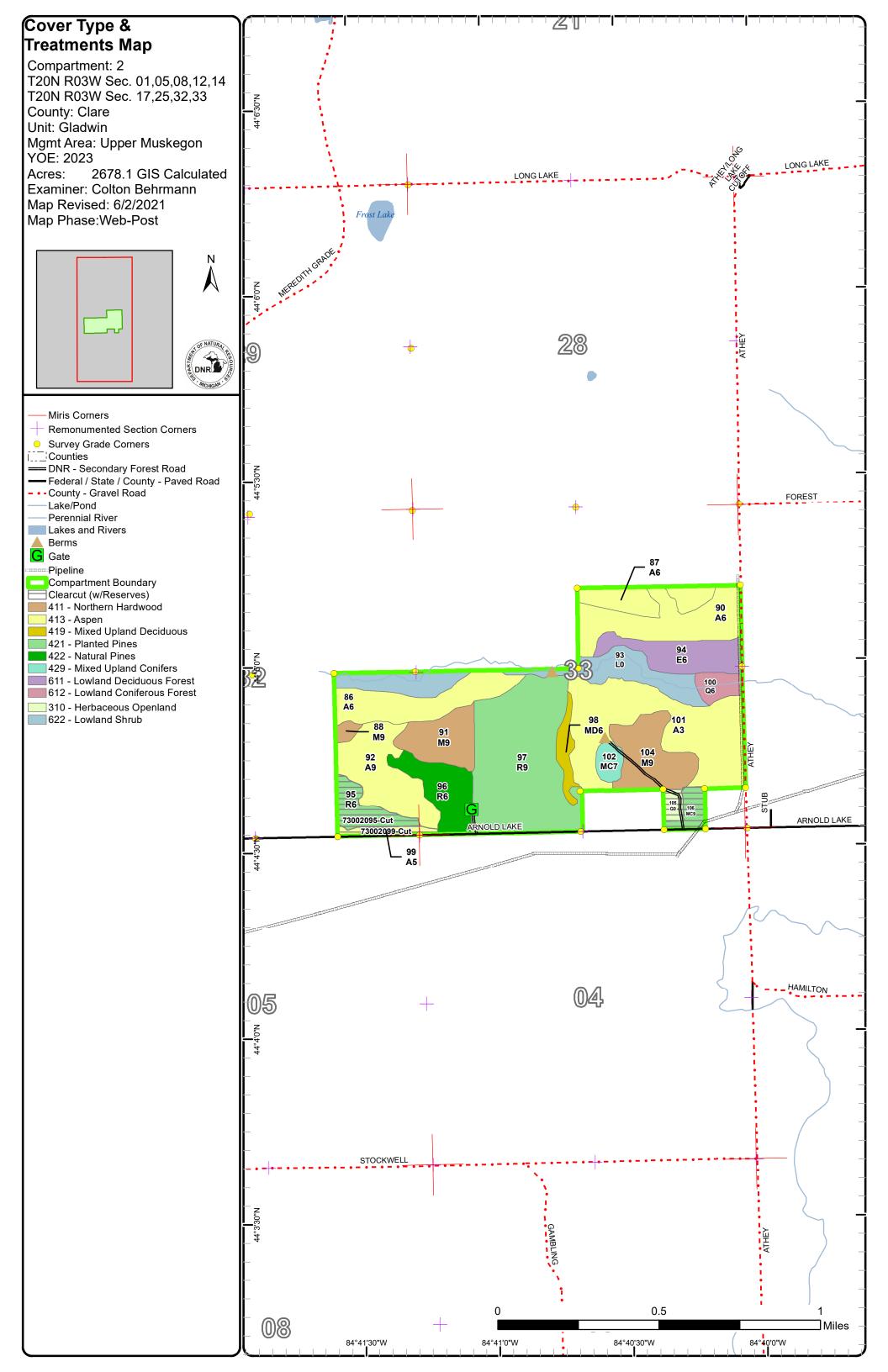
611 - Lowland Deciduous Forest





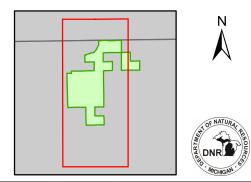






# **Stand Boundary** Мар

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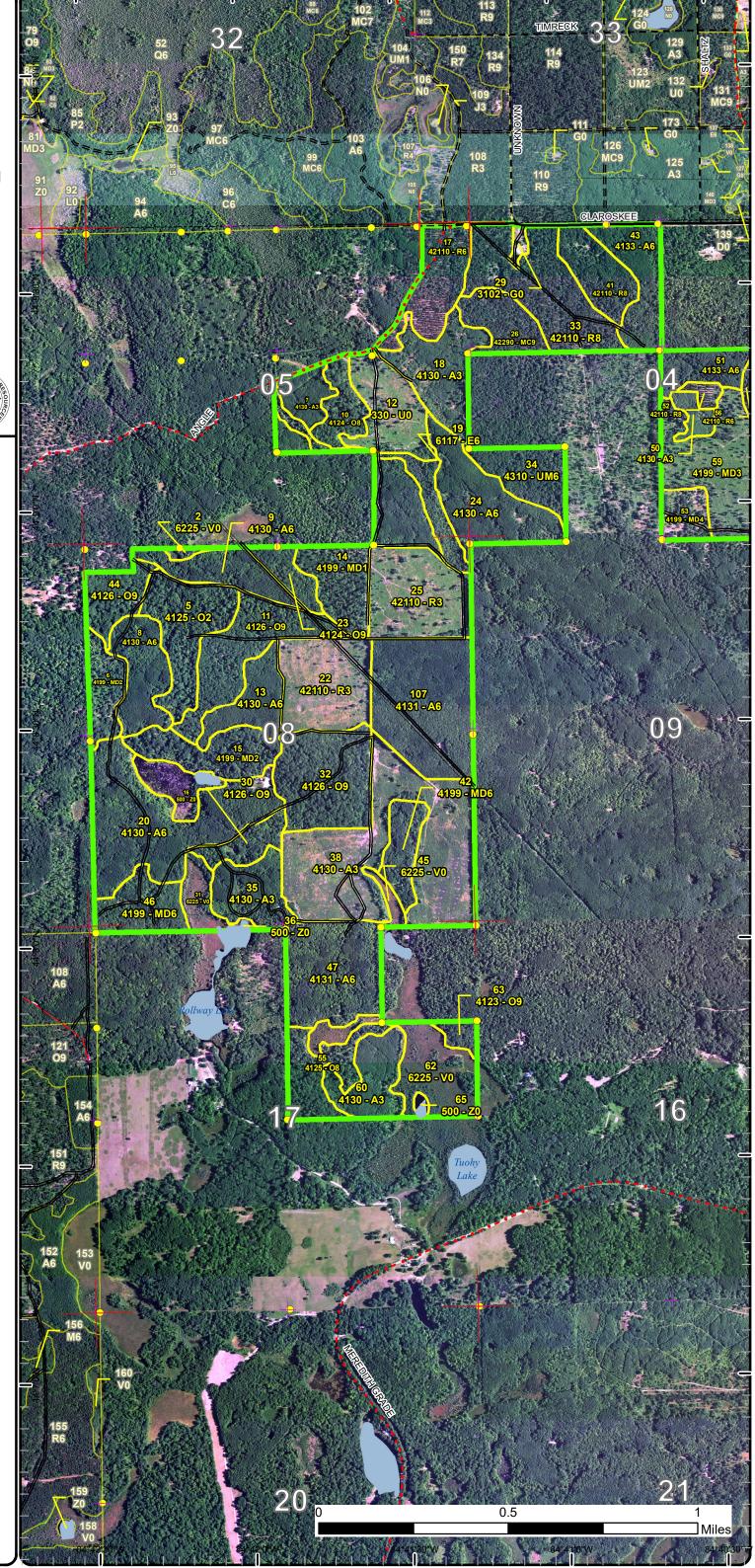


+Remonumented Section Corners Survey Grade Corners 0 Counties

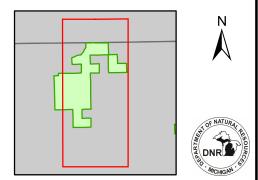
Miris Corners

- DNR Secondary Forest Road
- = = DNR Forest Access Route
- Federal / State Dirt / Gravel Road
   County Gravel Road
   County Dirt Road (Seasonal) Lake/Pond Perennial River Lakes and Rivers Pipeline Compartment Boundary
  - Stand Boundaries 412 - Oak Types
  - 413 Aspen
  - 419 Mixed Upland Deciduous 421 Planted Pines

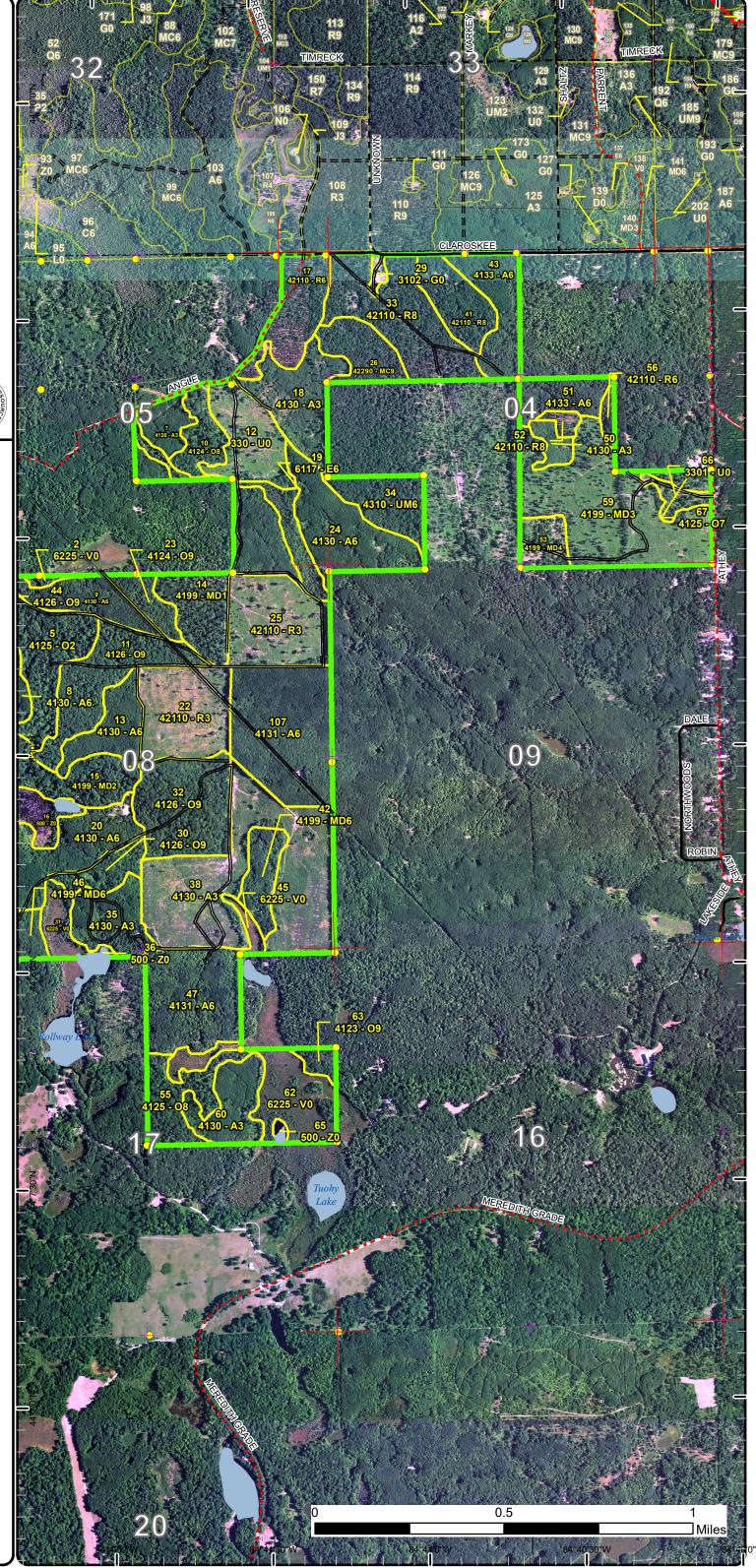
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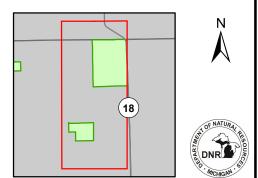
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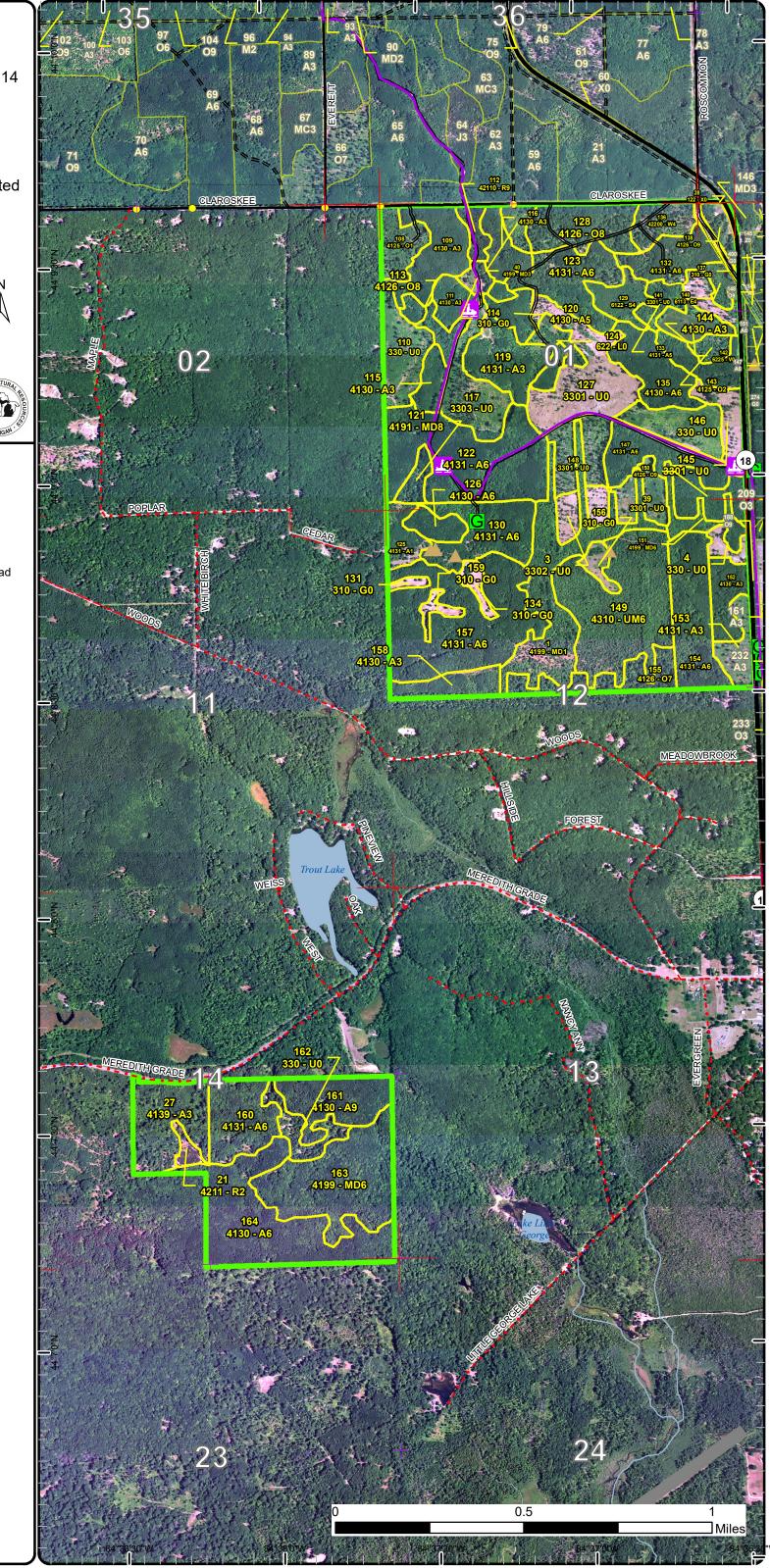
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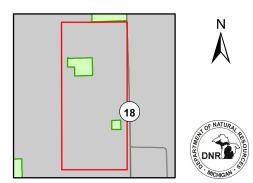
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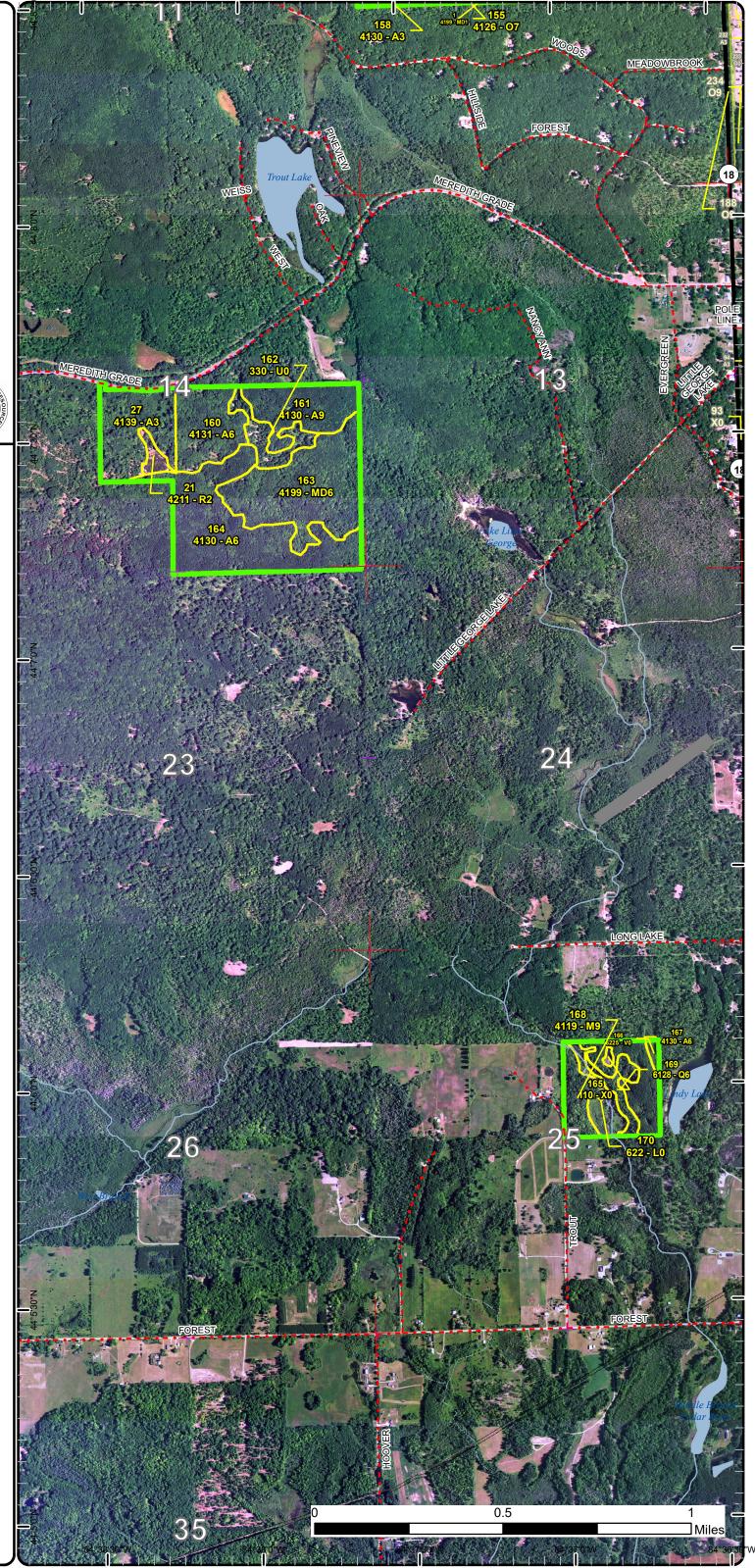
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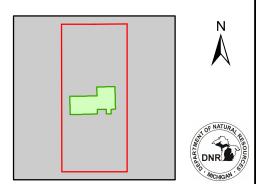
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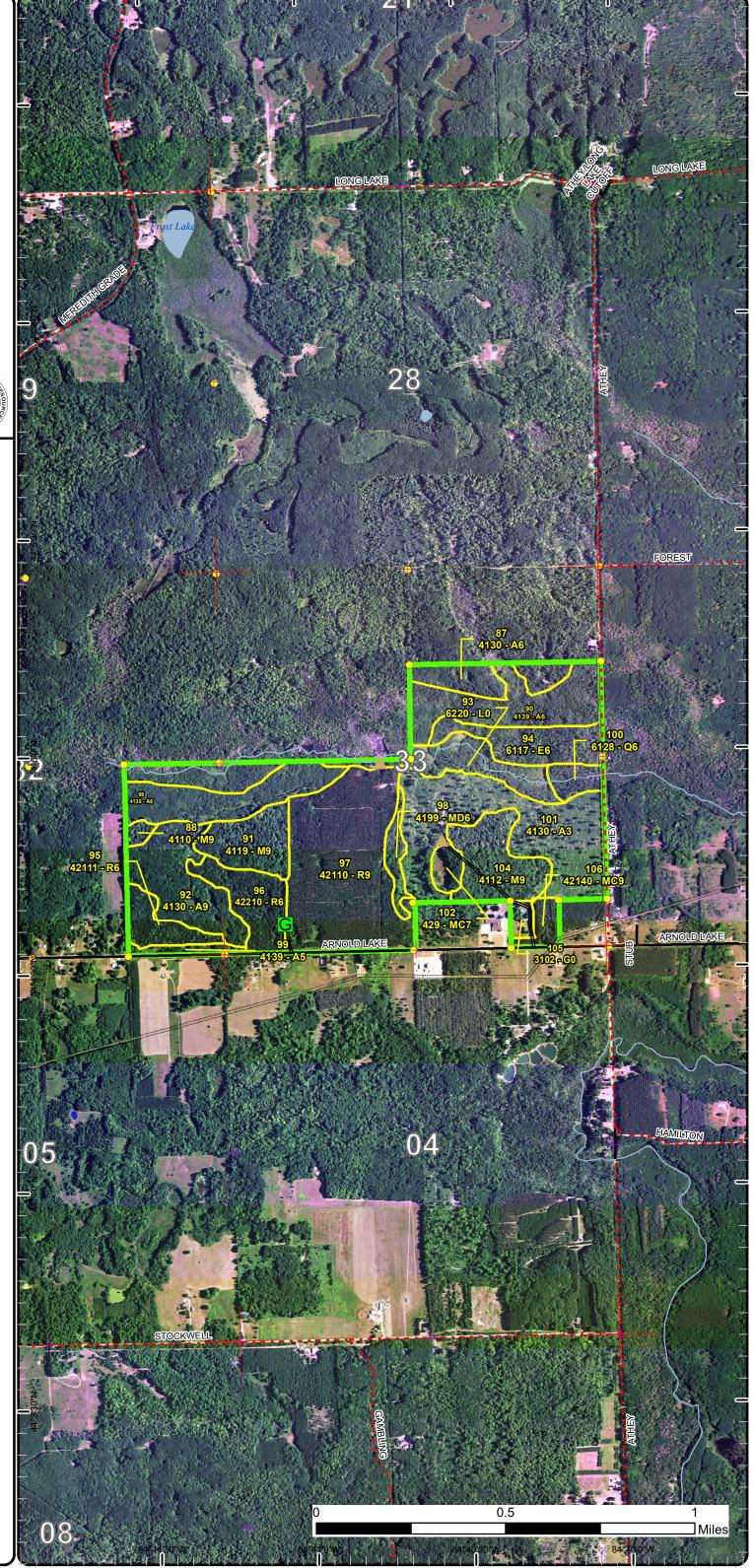
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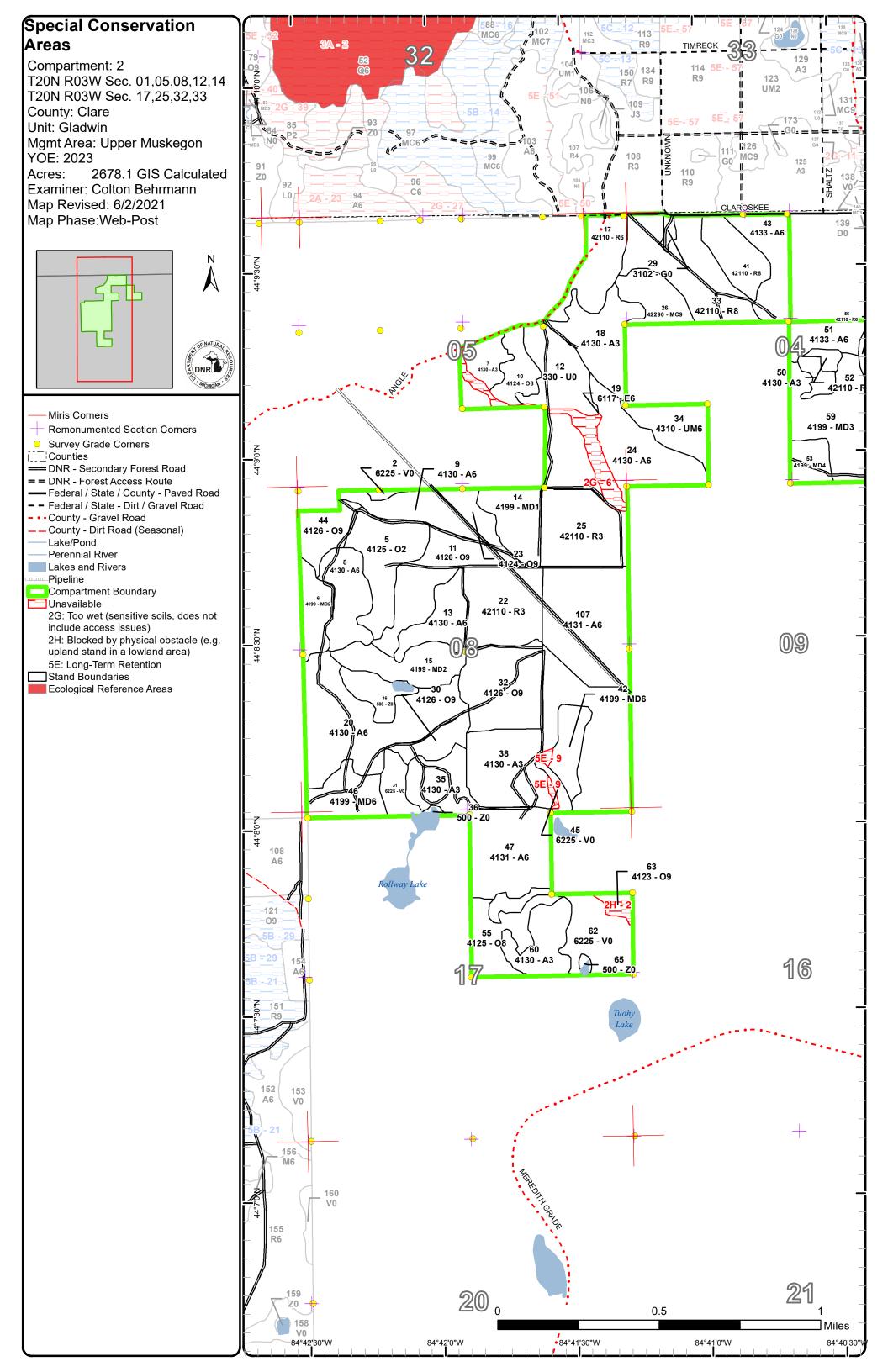


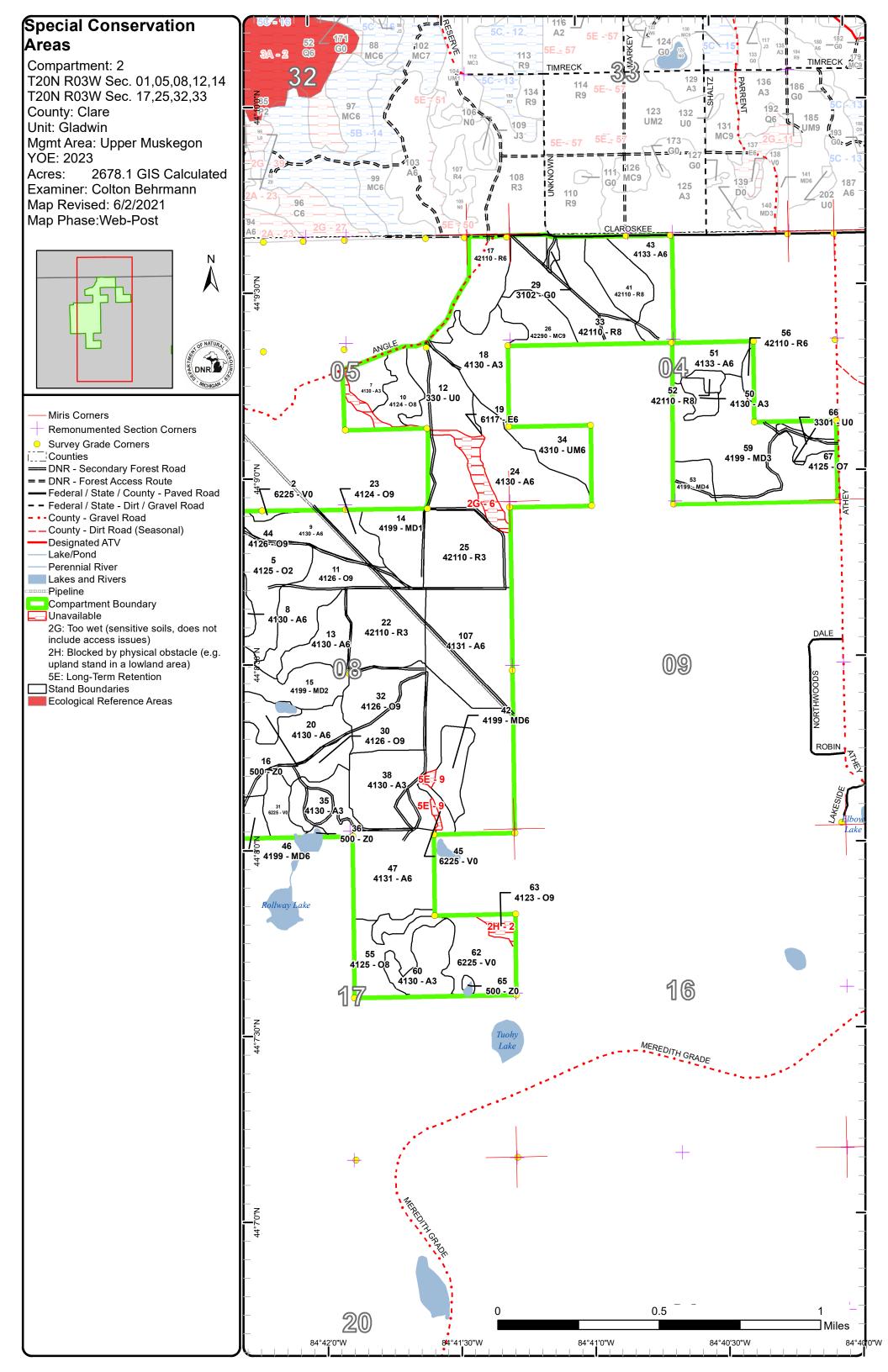
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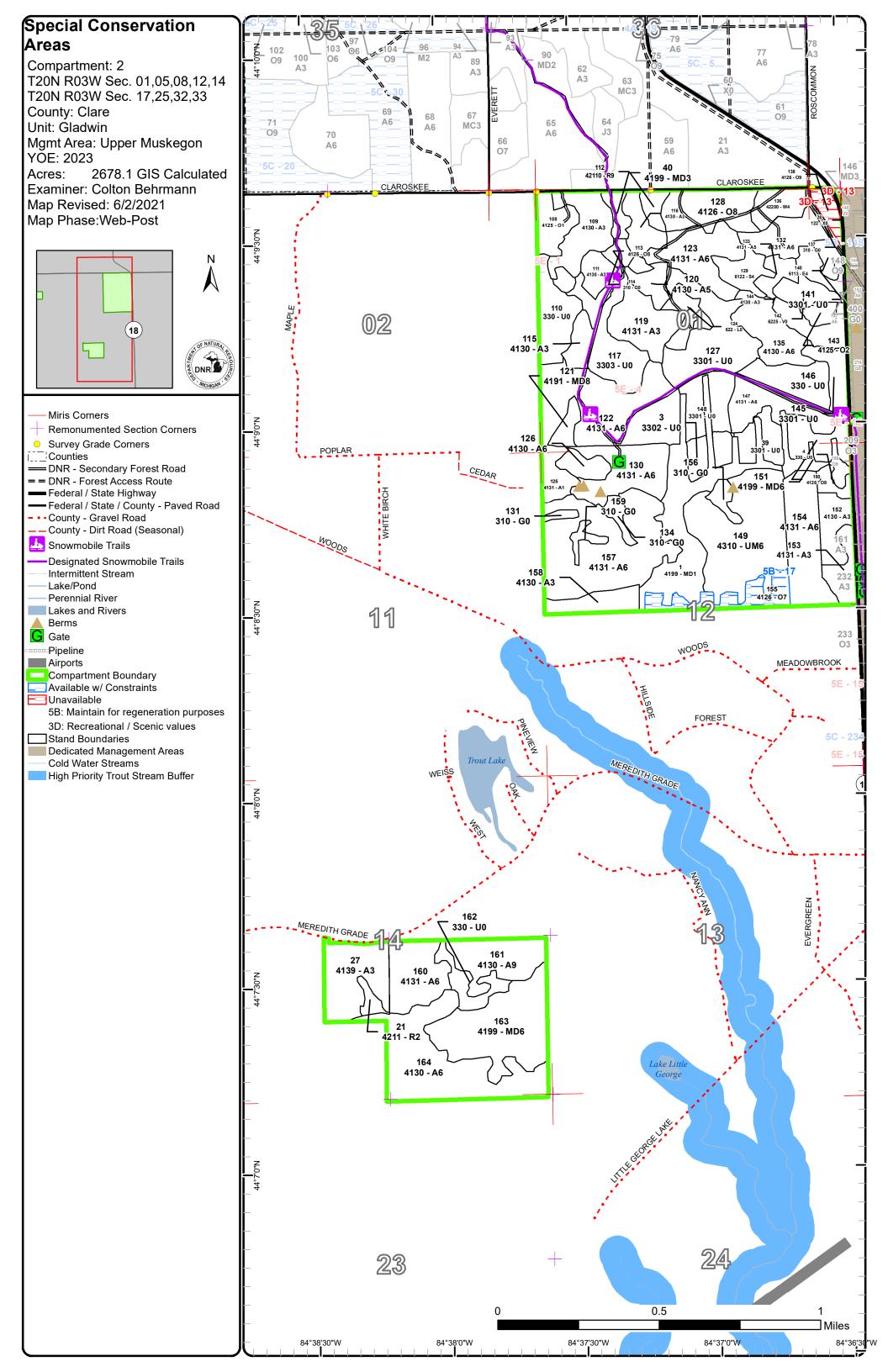


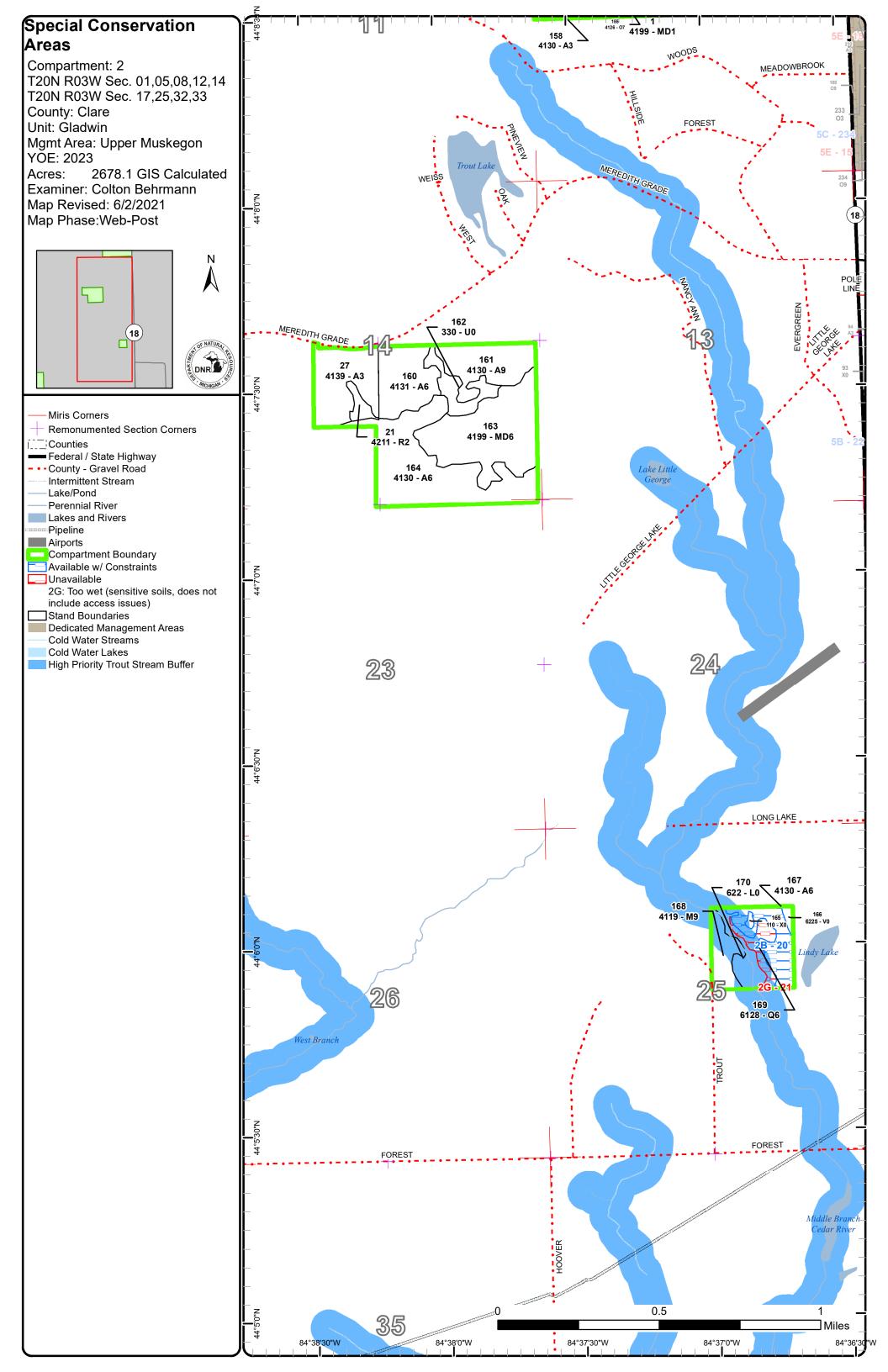
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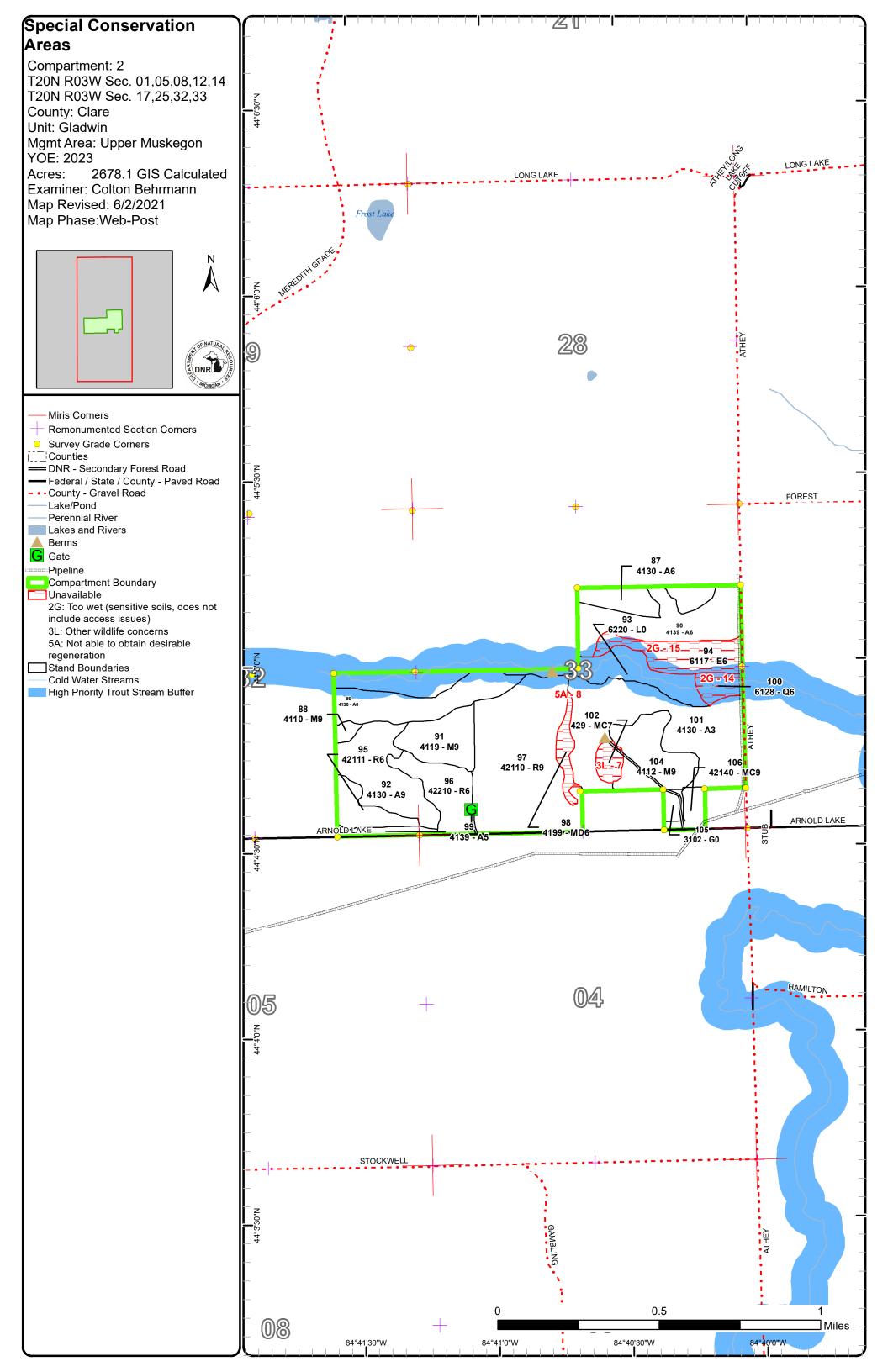






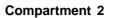






Gladwin Mgt. Unit

### **Colton Behrmann : Examiner**



Year of Entry 2023



Age Class

	Nor	KON C	83 4	200 4		3		3 8	S R			8 J.	an ran	8.	R. S	en an	NB - F	St Joe	AND LOO
Aspen	0	184	188	195	398	170	103	0	0	0	0	0	0	0	0	0	0	0	1238
Bog	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Low-Density Trees	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	14
Lowland Deciduous	0	0	0	0	0	23	0	0	16	0	0	0	0	0	0	0	0	4	43
Lowland Shrub	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Spruce/Fir	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	0	116	78	31	5	62	0	0	0	0	7	0	0	0	0	0	0	298
Natural Mixed Pines	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	17
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	49	62
Oak	0	0	15	33	0	0	0	0	0	66	108	43	0	0	0	0	0	0	264
Planted Mixed Pines	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Red Pine	0	75	3	0	0	0	107	68	0	47	0	0	0	0	0	0	0	0	299
Upland Conifers	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	57	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	77
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
White Pine	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	336	259	379	306	429	209	272	108	36	113	108	63	14	0	0	0	0	53	2681



Acres of Harvest

Commercial Harvest - 444 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

### Cover Type by Harvest Method

			Contraction of the second	Contraction of the second	to o	BOLL BOLL	ico no	Dinin O	A COLOGICA	Series Series	State Log	<b>A</b>
Aspen		164	0	0	0	0	0	0	0	0	164	
Herbaceous Openland		4	0	0	0	0	0	0	0	0	4	
Natural Mixed Pines		17	0	0	0	0	0	0	0	0	17	
Oak		188	0	0	0	0	0	0	0	0	188	
Planted Mixed Pines		7	0	0	0	0	0	0	0	0	7	
Red Pine		59	0	0	0	0	5	0	0	0	64	
	Total	439	0	0	0	0	5	0	0	0	444	

### Proposed and Next Step Treatments by Method

		/	ie ie	Contraction of the second	in contraction of the second	A C	in and	Sec. 1	Silon Silon	040 - 20	Not Contraction of the second	A CONTRACTOR OF CONTRACTOR OFO
Current		444	0	23	0	0	45	6	0	13	530	Í
Next Step		0	170	227	0	51	181	671	0	0	1299	
	Total	444	170	249	0	51	227	676	0	13	1829	

Treatment Name       Acres CoverType       Stand CoverType       Size Density       Stand Age       Range       Treatment Type       Treatment Method       CoverType       Age Structure       Hethod         ted Treatments:       73002010-Cut       13.3       4124 - Red with White Oak       Sawtimber       86       51-80       Harvest       Clearcut with Retention       4199 - Other Mixed Upland Deciduous       Even-Aged Mixed Upland Deciduous         statistic       Cut all trees 2 inches and greater in DBH. Follow standard island retention.       Even-Aged Mixed Upland       Even-Aged Mixed Upland       Even-Aged Deciduous         statistic       Monitoring, Natural Regen (Re-Inventory) attements:       Auturally regenerated stand of mixed deciduous including aspen, oak and red maple meeting minimum stocking standards.       Even-Aged Mixed Upland         sectificion opposed Start Date:       10/1 /2022       Even-Aged Black, N. Pin Oak       Sawtimber       91       51-80       Harvest       Clearcut with Retention       4199 - Other Mixed Upland Deciduous       Even-Aged Deciduous         statigntion       Upland trees 2 inches and greater in DBH. Follow standard island retention. If regeneration fails, conduct site preparation activities and p activities       Treatments; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Site Prep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant; attematic;       Planting, Replant; attematic;       Planting, Replant; attematic;
73002010-Cut       13.3       4124 - Red with White Oak       Sawtimber Medium       86       51-80       Harvest Retention       Clearcut with Retention       4199 - Other Mixed Upland Deciduous       Even-Aged         sscription Cut all trees 2 inches and greater in DBH. Follow standard island retention.       2021<
73002010-Cut       13.3       4124 - Red with White Oak       Sawtimber Medium       86       51-80       Harvest Retention       Clearcut with Retention       4199 - Other Mixed Upland Deciduous       Even-Aged         sscription Cut all trees 2 inches and greater in DBH. Follow standard island retention.       20000       2000       2000
ecs:       Antionitoring, Natural Regen (Re-Inventory)         satiments:       Naturally regenerated stand of mixed deciduous including aspen, oak and red maple meeting minimum stocking standards.         gen:       satiments:         acondition       satiments:
attments:       Auturally regenerated stand of mixed deciduous including aspen, oak and red maple meeting minimum stocking standards.         gen:       ter         mment:       a Condition         posed Start Date:       10/1 /2022         73002011-Cut       35.8       4126 - White, Sawtimber       91       51-80       Harvest       Clearcut with       4199 - Other Even-Aged Deciduous         scription       Black, N. Pin Oak       Well       Retention       Mixed Upland Deciduous         scription       Cut all trees 2 inches and greater in DBH. Follow standard island retention. If regeneration fails, conduct site preparation activities and pees:       to a fully stocked red pine plantation.         xt Step       Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant tatments:       Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitori         sceptable       Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.         gen:       ter         ter       mment:         a Condition       Start Date: All of mixed oak, red maple and aspen meeting minimum stocking standards.
gen:         her         mment:         a Condition         oposed Start Date:       10/1 /2022         73002011-Cut       35.8       4126 - White,       Sawtimber       91       51-80       Harvest       Clearcut with       4199 - Other       Even-Aged         Black, N. Pin Oak       Well       Retention       Mixed Upland       Deciduous         escription       Cut all trees 2 inches and greater in DBH. Follow standard island retention. If regeneration fails, conduct site preparation activities and pecs:       to a fully stocked red pine plantation.         xt Step       Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant       Planting, Replant; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitori         ceptable       Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.         gen:       ner         mment:       a Condition
a Condition         apposed Start Date:       10/1 /2022         73002011-Cut       35.8       4126 - White, Black, N. Pin Oak       Sawtimber       91       51-80       Harvest Retention       Clearcut with Mixed Upland Deciduous       4199 - Other Ketention       Even-Aged Mixed Upland Deciduous         ascription acs:       Cut all trees 2 inches and greater in DBH. Follow standard island retention. If regeneration fails, conduct site preparation activities and peaces:       for a fully stocked red pine plantation.         xt Step:       Monitoring, Natural Regen (Intermediate);       SitePrep, Roller Chopping;       SitePrep, Trenching;       Planting, Initial Plant;       Planting, Replant vatiments:         waturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.       Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.         her mment:       a Condition
apposed Start Date:       10/1 /2022         73002011-Cut       35.8       4126 - White, Sawtimber 91 51-80 Harvest Clearcut with A199 - Other Black, N. Pin Oak Well       Even-Aged Mixed Upland Deciduous         escription ecs:       Cut all trees 2 inches and greater in DBH. Follow standard island retention. If regeneration fails, conduct site preparation activities and process to a fully stocked red pine plantation.       Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitori         Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.       Initial Plant; Planting, Initial Plant; Planting, Replant aspen meeting minimum stocking standards.         econdition       Lef       Aturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.
73002011-Cut       35.8       4126 - White, Black, N. Pin Oak       Sawtimber       91       51-80       Harvest       Clearcut with Retention       4199 - Other Mixed Upland Deciduous       Even-Aged         escription ecs:       Cut all trees 2 inches and greater in DBH. Follow standard island retention. If regeneration fails, conduct site preparation activities and period to a fully stocked red pine plantation.       SitePrep, Roller Chopping;       SitePrep, Trenching;       Planting, Initial Plant;       Planting, Replant Planting, Replant         xt Step hatments:       Monitoring, Natural Regen (Intermediate);       SitePrep, Roller Chopping;       SitePrep, Trenching;       Planting, Initial Plant;       Planting, Replant         value       Pesticide, Skidder - Site Prep;       Pesticide, Skidder - Site Prep;       Pesticide, Skidder - Release;       Monitoring, Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.         ter mmment:       a Condition       Marcel Condition       Standards
Black, N. Pin Oak       Well       Retention       Mixed Upland Deciduous         ascription ecs:       Cut all trees 2 inches and greater in DBH. Follow standard island retention. If regeneration fails, conduct site preparation activities and presented to a fully stocked red pine plantation.         Monitoring, Natural Regen (Intermediate);       SitePrep, Roller Chopping;       SitePrep, Trenching;       Planting, Initial Plant;       Planting, Replant pesticide, Skidder - Site Prep;         Pesticide, Skidder - Site Prep;       Pesticide, Skidder - Release;       Monitoring, Artificial Regen(1yr);       Monitori         Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.       Perminment:       Perminment:         e Condition       E Condition       E Condition       E Condition
ecs:       to a fully stocked red pine plantation. <u>xt Step</u> Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant <u>satments:</u> Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitori <u>ceptable</u> Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards. <u>ner</u> <u>mment:</u> <u>e Condition</u>
xt Step_ aatments:       Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant atments:         Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitori         Ceptable gen:       Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards.         Per mment:       Per         e Condition
eatments: Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitori ceptable Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards. gen: ner mment: e Condition
gen: ner mment: e Condition
e Condition
e Condition
e Condition
pposed Start Date: 10/1 /2022
73002023-Cut 9.3 4124 - Red with Sawtimber 98 81-110 Harvest Clearcut 4199 - Other Even-Aged White Oak Well Mixed Upland Deciduous
escription Cut all trees 2 inches and greater in DBH. No retention due to stand size & narrow shape.
<u>ecs:</u> <u>xt Step</u> Monitoring, Natural Regen (Re-Inventory)
patments:
<u>ceptable</u> Naturally regenerated stand of mixed oak, red maple and aspen meeting minimum stocking standards. gen:
ner mment:
e Condition
pposed Start Date: 10/1 /2022

S t		Gladwir	n Mgt. Unit		Repo	rt 3 <sup>-</sup>	Freatments		Compartmen Year of Entry	,	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
26	73002026-Cut	17.4	42290 - Natural Mixed Pine	Sawtimbe Well	er 65	141- 170	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<u>Pre</u> Spe		trees 2 inc	hes and greater in	DBH. Follo	w stand	lard island	I retention.				
	<u>tt Step</u> Monitor atments:	ing, Natur	al Regen (Re-Inve	ntory)							
<u>Acc</u> Rec		ally regen	erated stand of mix	ked deciduo	us inclu	ıding oak,	aspen and map	ble with white pine	meeting minimum	stocking stand	dards.
<u>Oth</u> Con	<u>er</u> nment:										
	Condition	10/1 /20	22								
30	73002030-Cut	11.3	4126 - White, Black, N. Pin Oak	Sawtimbe Well	er 94	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<u>Pre</u> Spe		trees 2 inc ure activit		DBH. Follo	w stand	lard island	I retention guide	elines, focusing on	boundary retentio	n to facilitate f	uture
			r - Site Prep; Pes yr); Monitoring, A			elease; S	itePrep, Trench	ing; Planting, Initi	al Plant; Planting	g, Replant; M	onitoring,
	eptable Fully st		nted red pine plant	_							
<u>Oth</u>											
<u>Site</u>	Condition										
Pro	posed Start Date:	10/1 /20	22								
32	73002032-Cut	40.6	4126 - White, Black, N. Pin Oak	Sawtimbe Well	er 86	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<u>Pre</u> Spe		trees 2 inc	hes and greater in	DBH. Follo	w stanc	lard island	I retention.				
	<u>t Step</u> Monitor atments:	ing, Natur	al Regen (Re-Inve	ntory)							
<u>Acc</u> <u>Rec</u>		ly regener	ated stand of mixe	d oak, red n	naple a	nd aspen	meeting minimu	um stocking standa	irds.		
<u>Oth</u> Con	<u>er</u> nment:										
<u>Site</u>	Condition										
Pro	posed Start Date:	10/1 /20	22								

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S t		Gladwin	n Mgt. Unit	I	Repo	rt3 1	<b>Freatments</b>		Compartment Year of Entry	1	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
33	73002033-Cut	46.7	42110 - Planted Red Pine	Sawtimbe Medium	r 82	81-110	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
Pres Spe		rees 2 inc	hes and greater in	DBH. Follov	w stand	lard island	retention. Focu	us island retention a	around heavy oak	regeneration p	ockets.
	<u>t Step</u> Monitor atments:	ing, Natura	al Regen (Re-Inver	ntory)							
Acce Reg		ally regene	erated stand of oak	and mixed	red & v	white pine	meeting minim	um stocking standa	ards.		
<u>Othe</u> Corr	<u>er</u> nment:										
	Condition	4.0/4 /00	22								
<u>Prop</u>	oosed Start Date: 73002044-Cut	10/1 /20	4126 - White.	Sawtimbe	r 93	81-110	Harvest	Clearcut with	4199 - Other	Even-Aged	No
			Black, N. Pin Oak	Well		00		Retention	Mixed Upland Deciduous		
Pres Spe								us retention along b / stocked red pine		ate future silv	icultural
								p, Trenching; Pes cial Regen(1yr); M		te Prep; Pes	ticide,
Acce Reg		y regenera	ated stand of mixed	d oak, red m	naple a	nd aspen	meeting minimu	um stocking standa	rds.		
Othe	er										
	nment: Condition										
	oosed Start Date:	10/1 /202	22								
55	73002055-Cut	21.9 4	125 - Black, N. Pin Oak	Sawtimbe Medium	r 94	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<u>Pres</u> Spe		rees 2 inc	hes and greater in	DBH. Follov	w stand	lard island	retention. Focu	us retention around			
	<u>t Step</u> Monitor atments:	ing, Natura	al Regen (Re-Inver	ntory)							
Acce Reg		y regenera	ated stand of mixed	d oak, red n	naple a	nd aspen	meeting minimu	um stocking standa	rds.		
<u>Othe</u> Corr	<u>er</u> nment:										
<u>Site</u>	Condition										
	Condition bosed Start Date:	10/1 /20	22								
		10/1 /20	22								
		10/1 /20	22								
		10/1 /20:	22								
		10/1 /20	22								
		10/1 /20	22								
		10/1 /20	22								

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S t	Gladwi	n Mgt. Unit	Re	port 3	Treatments		Compartmen Year of Entry	1:	DNR DNR
a n Treatment d Name	Acres	Stand CoverType		and BA ge Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
95 73002095-C	ut 12.6	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	61 171- 200	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
	all trees 2 in tices.	ches and greater in	DBH. Follow s	tandard islar	nd retention, focus	sing on boundary r	etention to facilitat	e future silvicu	Iltural
		ning; SitePrep, Rol se; Monitoring, Artit					icide, Skidder - Si	te Prep; Pest	icide,
Acceptable A ful Regen:	ly stocked p	lanted red pine plan	tation.						
<u>Other</u> Comment:									
Site Condition Proposed Start Da	ate: 10/1/2	022							
99 73002099-C		4139 - Aspen, Mixed Deciduous	Poletimber	46 Unspec	: Harvest	Clearcut	4211 - Planted	Even-Aged	No
Prescription Cut Specs:	all trees 2 in	ches and greater in	Medium DBH. No reten	ified tion due to s	stand size and sh	ape.	Red Pine		
		ning; SitePrep, Rol se; Monitoring, Artil					icide, Skidder - Sit	te Prep; Pesti	icide,
Acceptable A ful Regen:	ly stocked re	ed pine plantation.							
<u>Other</u> Plan <u>Comment:</u>	t to red pine	with adjacent stand	l (95). Buffer lo	wland pocke	ts when trenching	g and planting.			
Site Condition									
Proposed Start Da			<b>N</b> <i>i</i> <b>i i</b>						
105 73002105-C	ut 3.9	3102 - Grass	Nonstocked	Unspec ified	: Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
Prescription Cut Specs:	all trees 2 in	ches and greater in	DBH. No reten	tion due to s	stand size & lack	of canopy.			
		ning; SitePrep, Rol se; Monitoring, Artit					icide, Skidder - Sit	te Prep; Pest	icide,
Acceptable A ful Regen:	ly stocked p	lanted red pine plan	tation.						
Other Trer Comment:	ch and plan	t with adjacent stand	d (106).						
Site Condition									
Proposed Start Da	ate: 10/1/2	022							
106 73002106-C	ut 6.7	42140 - Planted Mixed Pine	Sawtimber Well	65 141- 170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
	all trees 2 in ities.	ches and greater in	DBH. Follow s	tandard islar	nd retention. Focu	us on boundary rete	ention to facilitate	future silvicultu	ıral
		ning; SitePrep, Rol e; Monitoring, Artit					icide, Skidder - Si	te Prep; Pest	icide,
Acceptable A ful Regen:	ly stocked p	lanted red pine plan	tation.						
<u>Other</u> <u>Comment:</u>									

Comment: Site Condition

Proposed Start Date: 10/1 /2022

nameCoverTypeDensityAgeRangeTypeMethodObjectiveStructureCut10773002107-Cut58.14131 - Aspen, OakPoletimber5081-110HarvestClearcut with Retention413 - AspenEven-AgedNoPrescriptionCut all trees 2 inches and greater in DBH. Follow standard island retention. Add grouse spec.Specs:<	S t		Gladwir	n Mgt. Unit	I	Repo	rt 3 1	Freatments		Compartmen Year of Entry		DNR DNR
Weil     Retention       Prescription Stacks.     Oct all trees 2 inches and greater in DBH. Follow standard island retention. Add grouse spec.       Next Step. Monitoring, Natural Regen (Re-Inventory) Treatments:     Naturally regenerated aspen stand with oak and maple meeting minimum stocking standards. Regen: Diter Comment:       Site Condition     Proposed Start Date: 10/1/2022       112 73002112-Cut     5.0     4210 - Planted       Sawtimber     61     171 - Harvest     Low Thinning       4211 - Planted     Sawtimber     61     171 - Harvest     Low Thinning       4211 - Planted     Sawtimber     61     171 - Harvest     Low Thinning       4211 - Planted     Even-Aged Weil     200     No       Prescription     Systematic thinning of red pine down to 110-130 basal area. Target poor form & suppressed red pine. Add snowmobile trail spec.       Spess:     No       Noticolina       Proscription     Systematic thinning of red pine down to 110-130 basal area. Target poor form & suppressed red pine. Add snowmobile trail spec.       Spess:     No       Site Condition       Proscription       Regen:       Other       Comment:       Site Condition       Proscription       Cot all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Stacs: <th>n</th> <th></th> <th>Acres</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Habitat Cut</th>	n		Acres									Habitat Cut
Spess:       Next Step:       Monitoring, Natural Regen (Re-Inventory)         Acceptable, Naturally regenerated aspen stand with oak and maple meeting minimum stocking standards.       Regen:         Regen:       Other         Comment:       Site Condition         Proposed Start Date:       101 / 2022         112       7.002112-Cut       5.0       42110 - Planted       Sawtimber       61       171       Harvest       Low Thinning       4211 - Planted       Even-Aged       No         Red Prine       Well       200       200       Free Orine       Woll       200         Prescription       Systematic thinning of red pine down to 110-130 basal area. Target poor form & suppressed red pine. Add snowmobile trail spec.       Spess.         Next Step:       Next Step:       No       Regen:       No         Other       Comment:       Site Condition       Proposed Start Date:       101 / 2022         113       73002113-Cut       5.6       4126 - White, Sawtimber 104       51-80       Harvest       Clearcut       4199 - Other       Even-Aged Mixed Upland Deciduous       No         Prescription       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Spess:       Spess:       No         Next Step:	107	73002107-Cut	58.1	4131 - Aspen, Oak		r 50	81-110	Harvest		413 - Aspen	Even-Aged	No
Treatments:       0.1 model       0.1 model <td></td> <td></td> <td>rees 2 inc</td> <td>hes and greater in</td> <td>DBH. Follov</td> <td>w stanc</td> <td>lard island</td> <td>retention. Add</td> <td>grouse spec.</td> <td></td> <td></td> <td></td>			rees 2 inc	hes and greater in	DBH. Follov	w stanc	lard island	retention. Add	grouse spec.			
Regen:       Other         Comment:       Site Condition         Proposed Start Date:       10/1 /2022         112       73002112-Cut       5.0       42110 - Planted       Sawtimber       61       171 - Harvest       Low Thinning       4211 - Planted       Even-Aged       No         Prescription       Systematic thinning of red pine down to 110-130 basal area. Target poor form & suppressed red pine. Add snowmobile trail spec.       Specs:         Next Step       Treatments:       Acceptable.       Regen:       No         Other       Comment:       Site Condition       Proposed Start Date:       10/1 /2022         113       73002113-Cut       5.6       4126 - White, Sawtimber       104       51-80       Harvest       Clearcut       4199 - Other       Even-Aged       No         Black, N. Pin Oak       Medium       104       51-80       Harvest       Clearcut       4199 - Other       Even-Aged       No         Prescription       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:       Specs: <t< td=""><td></td><td></td><td>ing, Natur</td><td>al Regen (Re-Inver</td><td>ntory)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			ing, Natur	al Regen (Re-Inver	ntory)							
Comment:         Site Condition         Proposed Start Date:       10/1 / 2022         112       73002112-Cut       5.0       42110 - Planted       Sawtimber       61       171 - Harvest       Low Thinning       4211 - Planted       Even-Aged       No         Prescription       Systematic thinning of red pine down to 110-130 basal area.       Target poor form & suppressed red pine.       Add snowmobile trail spec.       Specs:         Next Step       Ireatments:			ly regener	ated aspen stand w	vith oak and	maple	meeting r	minimum stocki	ng standards.			
Proposed Start Date: 10/1 /2022          112       73002112-Cut       5.0       42110 - Planted       Sawtimber       61       171 - Harvest       Low Thinning       4211 - Planted       Even-Aged       No         Prescription       Systematic thinning of red pine down to 110-130 basal area. Target poor form & suppressed red pine. Add snowmobile trail spec.       Specs:         Next Step       Intractments:       Acceptable.       Regen:       Other         Comment:       Site Condition       Procescifytion       Sawtimber       104       51-80       Harvest       Clearcut       4199 - Other       Even-Aged       No         Prescription       Site Condition       Even-Mediation       Even-Aged       No         Prescription       Secondation       Even-Aged       No       Even-Aged       No         Site Condition       Even-Aged       No       Medium       No       Even-Aged       No         Prescription       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step       Monitoring, Natural Regen (Re-Inventory)       Intertments:       Acceptable.       No         Regen:       Monitoring, Natural Regen (Re-Inventory)       Intertments:       Acceptable.       No       Ste Condition												
112       73002112-Cut       5.0       42110 - Planted Red Pine       Sawtimber       61       171- Well       Harvest       Low Thinning       4211 - Planted Red Pine       Even-Aged No Red Pine       No         Prescription       Systematic thinning of red pine down to 110-130 basal area. Target poor form & suppressed red pine. Add snowmobile trail spec.       Specs:         Next Step Treatments:	<u>Site</u>	<u>Condition</u>										
Red Pine       Well       200       Red Pine         Prescription Specs:       Systematic thinning of red pine down to 110-130 basal area. Target poor form & suppressed red pine. Add snowmobile trail spec.         Next Step Treatments:         Acceptable Regen:         Other Comment:         Site Condition         Proposed Start Date:       10/1 /2022         113       73002113-Cut       5.6       4126 - White, Black, N. Pin Oak       Sawtimber       104       51-80       Harvest       Clearcut       4199 - Other Mixed Upland Deciduous       Not Mixed Upland Deciduous       No         Prescription Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step Regen:       Monitoring, Natural Regen (Re-Inventory) Treatments:       No       Monitoring, Natural Regen (Re-Inventory)         Acceptable Regen:       Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.       Regen:         Other Comment:       Site Condition       Site Condition       Site Condition	Prop	oosed Start Date:	10/1 /20	22								
Specs:       Next Step. Treatments:         Acceptable Regen:       Other         Comment:       Site Condition         Proposed Start Date:       10/1 /2022         113 73002113-Cut       5.6       4126 - White, Black, N. Pin Oak       Sawtimber       104       51-80       Harvest       Clearcut       4199 - Other       Even-Aged       No         Prescription       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step       Monitoring, Natural Regen (Re-Inventory)       Treatments:       Acceptable       Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.       Regen:       Other         Other       Condition       Site Condition       Site Condition       Site Condition	112	73002112-Cut	5.0			r 61		Harvest	Low Thinning		Even-Aged	No
Next Step Treatments:         Acceptable Regen:         Other Comment:         Site Condition         Proposed Start Date:       10/1 /2022 <b>113</b> 73002113-Cut       5.6       4126 - White, Black, N. Pin Oak       Sawtimber       104       51-80       Harvest       Clearcut       4199 - Other Mixed Upland Deciduous       Notorial         Prescription Specs:       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step: Treatments:       Monitoring, Natural Regen (Re-Inventory)       Treatments:       Acceptable Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.         Regen:       Other Comment:       Site Condition			atic thinni	ng of red pine dowr	n to 110-130	) basal	area. Tar	get poor form &	suppressed red pir	ne. Add snowmob	ile trail spec.	
Acceptable       Regen:         Other       Comment:         Site Condition       Proposed Start Date: 10/1 /2022         113       73002113-Cut       5.6       4126 - White, Sawtimber 104 51-80       Harvest       Clearcut       4199 - Other       Even-Aged       No         Mixed Upland       Black, N. Pin Oak       Medium       Medium       Mixed Upland       Deciduous       No         Prescription       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step       Monitoring, Natural Regen (Re-Inventory)       Treatments:         Acceptable       Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.       Regen:         Other       Comment:       Site Condition	Next	t Step										
Comment:         Site Condition         Proposed Start Date:       10/1 /2022         113 73002113-Cut       5.6       4126 - White, Sawtimber       104       51-80       Harvest       Clearcut       4199 - Other Even-Aged No Mixed Upland Deciduous       No         Prescription       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step       Monitoring, Natural Regen (Re-Inventory)       Ireatments:       Acceptable         Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.       Regen:       Other         Comment:       Site Condition       Site Condition       Site Condition	Acce	eptable										
Proposed Start Date:       10/1 /2022         113       73002113-Cut       5.6       4126 - White, Sawtimber       104       51-80       Harvest       Clearcut       4199 - Other Mixed Upland Deciduous       Notice         Prescription       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step       Monitoring, Natural Regen (Re-Inventory)       Treatments:       Acceptable Regen:       Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.         Other Comment:       Site Condition       Site Condition	<u>Othe</u>	<u>ər</u>										
113       73002113-Cut       5.6       4126 - White, Sawtimber 104 51-80       Harvest       Clearcut       4199 - Other Even-Aged Mixed Upland Deciduous       No         Prescription Specs:       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.       Specs:         Next Step Treatments:       Monitoring, Natural Regen (Re-Inventory)       Acceptable Regen:       Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.         Other Comment:       Site Condition       Site Condition	<u>Site</u>	<u>Condition</u>										
Black, N. Pin Oak Medium Mixed Upland Deciduous     Prescription Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec. Specs:   Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)   Acceptable Regen: Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.   Other Comment: Site Condition	Prop	osed Start Date:	10/1 /20	022								
Prescription Specs:       Cut all trees 2 inches and greater in DBH. No retention due to narrow stand & small acreage. Add snowmobile trail spec.         Next Step Treatments:       Monitoring, Natural Regen (Re-Inventory)         Acceptable Regen:       Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.         Other Comment:       Site Condition	113	73002113-Cut	5.6	,		r 104	51-80	Harvest	Clearcut	Mixed Upland	Even-Aged	No
Treatments:         Acceptable Regen:       Naturally regenerated stand of oak, aspen & red maple meeting minimum stocking standards.         Other Comment:       Site Condition			rees 2 inc	ches and greater in	DBH. No re	tention	due to na	rrow stand & sr	nall acreage. Add s		pec.	
Regen:       Other       Comment:       Site Condition			ing, Natur	al Regen (Re-Inver	ntory)							
Comment: Site Condition			y regener	ated stand of oak, a	aspen & rec	l maple	emeeting	minimum stocki	ng standards.			
Proposed Start Date: 10/1 /2022	<u>Site</u>	<u>Condition</u>										
	Prop	osed Start Date:	10/1 /20	22								

Gladwin Mgt. Unit **Report 3 -- Treatments** Compartment: 2 S Year of Entry: 2023 t а Treatment Acres Stand Size Stand BA Treatment Treatment **Cover Type** Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 128 73002128-Cut 21.8 4126 - White, Sawtimber 101 51-80 Harvest Clearcut with 4191 - Mixed Even-Aged No Black, N. Pin Oak Medium Retention Upland Deciduous with Conifer Prescription Cut all trees 2 inches and greater in DBH. Follow standard island retention. Focus retention around pockets of higher oak sapling densities. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Naturally regenerated stand of oak, aspen, red maple and mixed conifer. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 150 73002150-Cut 81-110 12.8 4126 - White, Sawtimber 88 Harvest Clearcut with 4121 - Oak, Even-Aged No Black, N. Pin Oak Well Retention Aspen Prescription Cut all trees 2 inches and greater in DBH. Follow standard island retention guidelines. Add snowmobile trail spec. Specs: Monitoring, Natural Regen (Re-Inventory) Next Step Treatments: Acceptable A naturally regenerated stand of northern pine oak, white oak and aspen meeting minimum stocking standards. Regen: <u>Other</u> Comment: Site Condition Proposed Start Date: 10/1 /2022 22.4 4131 - Aspen, Oak Poletimber 160 73002160-Cut 54 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Well Retention Prescription Cut all trees 2 inches and greater in DBH. Follow standard island retention. Focus retention around areas with higher percentage of canopy Specs: oak. Add grouse spec. Monitoring, Natural Regen (Re-Inventory) Next Step Treatments: Acceptable Naturally regenerated stand of aspen with oak and red maple meeting minimum stocking standards. Regen: Other Comment: Site Condition Proposed Start Date: 1 /1 /2021 161 73002161-Cut 22.6 Sawtimber Clearcut with 4130 - Aspen 54 111-Harvest 413 - Aspen Even-Aged No Well 140 Retention Prescription Cut all trees 2 inches and greater in DBH. Follow standard island retention. Add grouse spec. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Naturally regenerated stand of aspen with oak and red maple meeting minimum stocking standards. Regen: Other Comment: Site Condition Proposed Start Date: 1 /1 /2021

S t		Mgt. Unit		керо	rt 3	Treatments		Compartmen Year of Entry	,	DNR
a n Treatmer d Name	nt Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Hab Cu
164 73002164	- <b>Cut</b> 55.4	4130 - Aspen	Poletimbe Well	r 48	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	٢
Prescription Cu Specs:	ut all trees 2 inch	es and greater in	DBH. Follo	w stanc	lard island	d retention. Add	grouse spec.			
<u>Next Step</u> Mo <u>Treatments:</u>	onitoring, Natura	l Regen (Re-Inve	ntory)							
<u>Acceptable</u> Na <u>Regen:</u>	aturally regenera	ted aspen stand	with oak and	l red m	aple meet	ing minimum sto	ocking standards.			
<u>Other</u> <u>Comment:</u>										
Site Condition										
Proposed Start	Date: 1 /1 /202	1								
oroved Treatr		30 - Low-Density	Nonstocke	o be	Immatu	Pesticide	ERROR	4125 - Black, N.	Even-Aged	
ay	_ <b>0pi</b> 0.0 0	Trees		ja o	re		Litton	Pin Oak	Lioningou	•
Prescription Sr	oray to control ha	ardwood competit	ion							
<u>Specs:</u>										
Specs:	anting, Replant;	Monitoring, Artifi	cial Regen(	Byr)						
Specs:         Next Step         Treatments:         Acceptable         Acceptable         Acceptable         regen:         do         regen:	ld a next step re minance, site pr generation is acc	generation plan a ep (Rx burn or ro ceptable. Monitor	ls follows. T ller chop) fo regeneratio	hree ye llowed l n until a	by trenchi adequate	ng and planting	red pine. A mix of	neration and if need f red pine, oak and l pine will be utilized	scattered map	ole
Specs:         Next Step       Plant         Treatments:       Plant         Acceptable       Acceptable         Regen:       do         reaction       reaction	ld a next step re minance, site pr generation is acc	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath	ls follows. T ller chop) fo regeneratio	hree ye llowed l n until a	by trenchi adequate	ng and planting	red pine. A mix of	f red pine, oak and	scattered map	ole
Specs:         Next Step Treatments:       Pland         Acceptable Regen:       Acceptable do required         Other Comment:       Performance	dd a next step re ominance, site pr generation is acc generation as it o	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath	ls follows. T ller chop) fo regeneratio	hree ye llowed l n until a	by trenchi adequate	ng and planting	red pine. A mix of	f red pine, oak and	scattered map	ole
Specs:         Next Step         Treatments:         Acceptable         Acceptable         Acceptable         Acceptable         Comparison         Other	dd a next step re minance, site pr generation is acc generation as it o ercent to Treat =	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath 100%	ls follows. T ller chop) fo regeneratio	hree ye llowed l n until a	by trenchi adequate	ng and planting	red pine. A mix of	f red pine, oak and	scattered map	ole
Specs:         Next Step       Plant         Treatments:       Acceptable         Acceptable       Acceptable         Regen:       do         reg       reg         Other       Per         Comment:       Site Condition	dd a next step re- minance, site pr generation is acc generation as it o ercent to Treat = <u>Date:</u> 1 /1 /2022 <b>2-</b> 22.5 3	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath 100%	is follows. Ti ller chop) fo regeneratio the red pin	nree ye llowed l n until a e over t	by trenchi adequate	ng and planting	red pine. A mix of	f red pine, oak and	scattered map	ble
Specs:         Next Step Treatments:       Plant         Acceptable Regen:       Acceptable do req req Other       Acceptable do req req Other         Other Comment:       Per Site Condition         Proposed Start       12         12       7300201 Plant         Prescription       As	dd a next step re- minance, site pr generation is acc generation as it o ercent to Treat = <u>Date:</u> 1 /1 /2022 <b>2-</b> 22.5 3	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath 100% 2 2 30 - Low-Density	s follows. Ti ller chop) fo regeneratio the red pin	nree ye llowed l n until a e over t	by trenchi adequate ime. Immatu	ng and planting i regeneration is a	red pine. A mix of achieved. The red	f red pine, oak and pine will be utilized 42111 - Planted Red Pine, Mixed	scattered map	ole
Specs:         Next Step       Plant         Treatments:       Plant         Acceptable       Acceptable         Comment:       Pre         Site Condition       Proposed Start         12       7300201         Plant       Prescription         Ass       Specs:         Next Step       Moderation	dd a next step re ominance, site pr generation is acc generation as it o ercent to Treat = <u>Date:</u> 1 /1 /2022 <b>2-</b> 22.5 3	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath 100% 2 30 - Low-Density Trees	Nonstocke	hree ye llowed I n until a e over t ed 0	by trenchi adequate ime. Immatu re	ng and planting i regeneration is a Planting	red pine. A mix of achieved. The red	f red pine, oak and pine will be utilized 42111 - Planted Red Pine, Mixed	scattered map	ble
Specs:         Next Step       Plant         Treatments:       Acceptable         Acceptable       Acceptable         Acceptable       Acceptable         Other       Percomment:         Site Condition       Proposed Start         12       7300201         Plant       Plant         Prescription       Ass         Specs:       Mathematical Mathmathmatical Mathmatemat	dd a next step re minance, site pr generation is acc generation as it of ercent to Treat = <u>Date:</u> 1 /1 /2022 <b>2-</b> 22.5 3 s per year three r ponitoring, Artificia	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath 100% 2 30 - Low-Density Trees	Nonstocke	ed 0 blant.	Immatu re	ng and planting i regeneration is a Planting	red pine. A mix of achieved. The red	f red pine, oak and pine will be utilized 42111 - Planted Red Pine, Mixed	scattered map	ble
Specs:       Next Step       Plant         Irreatments:       Acceptable       Acceptable         Acceptable       Acceptable       Acceptable         Other       Perescription       Perescription         Specs:       Next Step       Maximum Acceptable         Next Step       Maximum Acceptable       Acceptable         Acceptable       Acceptable       Acceptable	dd a next step re minance, site pr generation is acc generation as it of ercent to Treat = <u>Date:</u> 1 /1 /2022 <b>2-</b> 22.5 3 s per year three r ponitoring, Artificia	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath 100% 2 30 - Low-Density Trees regeneration chec al Regen(1yr); Mo ed pine and natura	Nonstocke	ed 0 blant.	Immatu re	ng and planting i regeneration is a Planting	red pine. A mix of achieved. The red	f red pine, oak and pine will be utilized 42111 - Planted Red Pine, Mixed	scattered map	ble
Specs:         Next Step       Plant         Treatments:       Acceptable         Acceptable       Acceptable         Regen:       do         Other       Per         Comment:       Site Condition         Proposed Start       Plant         12       7300201         Plant       Specs:         Next Step       Model Treatments:         Acceptable       Acceptable	dd a next step re ominance, site pr generation is acc generation as it of ercent to Treat = <u>Date:</u> 1 /1 /2022 <b>2-</b> 22.5 3 as per year three re ponitoring, Artifician mix of planted re	generation plan a ep (Rx burn or ro ceptable. Monitor develops beneath 100% 2 30 - Low-Density Trees regeneration chec al Regen(1yr); Mo ed pine and natura	Nonstocke	ed 0 blant.	Immatu re	ng and planting i regeneration is a Planting	red pine. A mix of achieved. The red	f red pine, oak and pine will be utilized 42111 - Planted Red Pine, Mixed	scattered map	ble

Gladwin Mgt. Unit **Report 3 -- Treatments Compartment: 2** S Year of Entry: 2023 t а Treatment Acres Stand Size Stand BA Treatment Treatment **Cover Type** Age Habitat n Method Objective Structure Name CoverType Density Age Range Type Cut d 67 73002067.27 5.6 4125 - Black, N. Pin Sawtimber 97 1-50 Monitoring Natural Regen 4125 - Black, N. Two-Aged No (Intermediate) Pin Oak Monitor Oak Poor Prescription Monitor natural regeneration until adequate regeneration is acceptable. Specs: Next Step Treatments: Acceptable A mix of oak, red maple, aspen and white pine is acceptable. Regen: Percent to Treat = 100% Other Comment: Site Condition Proposed Start Date: 1 /1 /2024 127 73002127-29.3 3301 - Low Density Nonstocked 0 Pesticide ERROR 4126 - White, Even-Aged No Spray Deciduous Trees Black, N. Pin Oak Prescription Spray to control hardwood competition Specs: Next Step Planting, Replant; Monitoring, Artificial Regen(3yr) Treatments: Add a next step regeneration plan as follows. Three years following harvest check stands for regeneration and if needed to control red maple Acceptable dominance, site prep (Rx burn or roller chop) followed by trenching and planting red pine. A mix of red pine, oak and scattered maple Regen: regeneration is acceptable. Monitor regeneration until adequate regeneration is achieved. The red pine will be utilized to nurse oak regeneration as it develops beneath the red pine over time. Other Percent to Treat = 100% Comment: Site Condition Proposed Start Date: 1 /1 /2022 1.7 310 - Herbaceous Nonstocked Other - Specify 131 73002131.33\_ NonForestMgt 3102 - Grass No Openland NF Prescription WLD treatments for opening maintenance which may include cultivating, planting of annual cover types, applications of lime, applications of herbicide and mowing Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition Proposed Start Date: 1 /1 /2023

Gladwin Mgt. Unit **Report 3 -- Treatments Compartment: 2** S Year of Entry: 2023 t а Treatment Acres Stand Size Stand BA Treatment Treatment **Cover Type** Age Habitat n CoverType Method Objective Name Density Age Range Type Structure Cut d 134 73002134.32 3.9 310 - Herbaceous Nonstocked NonForestMgt Other - Specify 3102 - Grass No NF Openland Prescription WLD treatments for opening maintenance which may include cultivating, planting of annual cover types, applications of lime, applications of Specs: herbicide and mowing Next Step Treatments: **Acceptable** Regen: Other Comment: Site Condition Proposed Start Date: 1 /1 /2023 141 73002141-3.7 3301 - Low Density Nonstocked 0 Immatu Pesticide ERROR 4126 - White. Even-Aged No Spray Deciduous Trees re Black, N. Pin Oak Prescription Spray to control hardwood competition Specs: Next Step Planting, Replant; Monitoring, Artificial Regen(3yr) Treatments: Add a next step regeneration plan as follows. Three years following harvest check stands for regeneration and if needed to control red maple Acceptable dominance, site prep (Rx burn or roller chop) followed by trenching and planting red pine. A mix of red pine, oak and scattered maple Regen: regeneration is acceptable. Monitor regeneration until adequate regeneration is achieved. The red pine will be utilized to nurse oak regeneration as it develops beneath the red pine over time. Percent to Treat = 100% <u>Other</u> Comment: Site Condition Proposed Start Date: 1 /1 /2022 73002145-8.5 3301 - Low Density Nonstocked Pesticide ERROR 4126 - White. 145 0 Even-Aged No Deciduous Trees Black, N. Pin Spray Oak Prescription Spray to control hardwood competition Specs: Next Step Planting, Replant; Monitoring, Artificial Regen(3yr) Treatments: Add a next step regeneration plan as follows. Three years following harvest check stands for regeneration and if needed to control red maple Acceptable Regen: dominance, site prep (Rx burn or roller chop) followed by trenching and planting red pine. A mix of red pine, oak and scattered maple regeneration is acceptable. Monitor regeneration until adequate regeneration is achieved. The red pine will be utilized to nurse oak regeneration as it develops beneath the red pine over time. Percent to Treat = 100% Other Comment: Site Condition Proposed Start Date: 1 /1 /2022

S t	Clauwi	n Mgt. Unit	Repo	ort 3	Treatments		Compartmer Year of Entr		DNR MICHIGAN
a n Treatment d Name	Acres	Stand CoverType	Size Stand Density Age		Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
156 73002156.30 NF	_ 4.2	310 - Herbaceous Openland	Nonstocked		NonForestMgt	Other - Specify	3102 - Grass		No
	treatments cide and mo	for opening mainter owing.	nance which may	include cu	ultivating, planting	of annual cover ty	pes, applications	s of lime, app	lications o
Next Step									
Treatments:									
Acceptable Regen:									
<u>Other</u> Comment:									
Site Condition									
-									
Proposed Start Da	<u>te:</u> 1 /1 /20	023							
•		23 310 - Herbaceous Openland	Nonstocked		NonForestMgt	Other - Specify	3102 - Grass		N
159 73002159.31 NF Prescription WLD	_ 3.1	310 - Herbaceous Openland for opening mainter		include cu	-			s of lime, app	
159 73002159.31 NF <u>Prescription</u> WLD <u>Specs:</u> herbi	_ 3.1	310 - Herbaceous Openland for opening mainter		include cu	-			s of lime, app	
Prescription WLD	_ 3.1	310 - Herbaceous Openland for opening mainter		include cu	-			s of lime, app	N lications o
159 73002159.31 NF Prescription WLD Specs: herbi Next Step Treatments: Acceptable	_ 3.1	310 - Herbaceous Openland for opening mainter		include cu	-			s of lime, app	
159 73002159.31 NF Prescription WLD Specs: herbi Next Step Treatments: Acceptable Regen:	_ 3.1	310 - Herbaceous Openland for opening mainter		include cu	-			s of lime, app	
159 73002159.31 NF Prescription WLD Specs: herbi Next Step Treatments: Acceptable	_ 3.1	310 - Herbaceous Openland for opening mainter		include cu	-			s of lime, app	
159 73002159.31 NF Prescription WLD Specs: herbi Next Step Treatments: Acceptable Regen: Other	_ 3.1	310 - Herbaceous Openland for opening mainter		include cu	-			s of lime, app	

Total Treatment 529.9 Acreage Proposed:

### **Report 4 – Site Conditions**

Gladwin Mgt. Unit

Compartment: 2 Year of Entry: 2023

### Colton Behrmann : Examiner

### Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions								
Acres	Available	With Condition	Not Available		2B	5B	2G	2H	3D	3L	5A	5E
1238	1221	15	2	Aspen	15		0					2
57	57	0	0	Bog				0				
25	25	0	0	Herbaceous Openland								
185	182	0	3	Low-Density Trees								3
14	0	0	14	Lowland Conifers			14					
43	4	0	38	Lowland Deciduous			38					
52	52	0	0	Lowland Shrub	0		0					
10	10	0	0	Lowland Spruce/Fir								
297	290	0	7	Mixed Upland Deciduous		0					7	
17	17	0	0	Natural Mixed Pines								
62	62	0	0	Northern Hardwood								
266	241	15	10	Oak		15		4	5			
7	7	0	0	Planted Mixed Pines								
300	300	0	0	Red Pine								
6	0	0	6	Upland Conifers						6		
77	77	0	0	Upland Mixed Forest								
2	1	0	0	Urban					0			
15	15	0	0	Water								
11	11	0	0	White Pine								
2,681	2,572	30	79	Total Forested Acres	15	15	52	4	5	6	7	5
	96%	1%	3%	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.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
2	2 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)		5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

		adwin Mgt. Unit mann : Examiner		Report 4 – Site Cor	nditions	Compartment: 2 Year of Entry: 2023		
6	Unavailable			16 Unspecified Unspec		Unspecified	Unspecified	
	Comments:							
7	Unavailable	3L: Other wildlife concerns	6	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Small stand with a	bog in the center. Stand used h	eavily by	wildlife.				
8	Unavailable	5A: Not able to obtain desirable regeneration	7	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Recommend to trea	at stand with adjacent stands in	future. C	Current stand structure, si	ze & shape will make regen	eration difficult.		
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
13	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							

		adwin Mgt. Unit mann : Examiner		Report 4 – Site Cor	nditions	Compartment: 2 Year of Entry: 202	Compartment: 2 Year of Entry: 2023		
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified		
С	comments:								
17	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified		
С	comments:								
20	Available	2B: Unknown if access through adjacent landowner(s) is possible	15	Unspecified	Unspecified	Unspecified	Unspecified		
C	comments:								
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified		
C	comments:								



### 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

Compartment: 2 Year of Entry 2023



### 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.

Conservation Area	n Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	ditions that allow naturally-reproduced or cies (e.g., slimy sculpin) to persist from ese conditions due to substantial s are established by Director's action and	
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems i influences the aquatic ecosystem and vice-versa. Because of th streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effe as aesthetics, habitat, bank stability, timber production, and the	ne unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian ects on water quality and quantity, as well
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific man- rules, as governed by Part 5, Department of Natural Resources 324.504). Section 38 of the Administrative Procedures Act (MCI the promulgation of rules. This is an active program, with one pr DNR.	, of the NREPA (MCL 324.502(2) and L 24.238) provides for public requests for

Gladwin Mgt. Unit

### Report 7 – Stands



Stan	nd Level 4 C	over Type		Size D	ensity	Acres	Stand Age	BA Range	Managed	Site	General Comments			
1	4199 - Other Mixed Upland Deciduous Canopy Species % Cover Size Class		Sapling Poor		44.7	26	Immature			Clear cut 1993 - 1996. Red pine stand to east was cut at the same time.				
			Size Class	DBI	- Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	This stand regenerated naturally with an upland deciduous mix.			
	Red Maple	20	Sapling	3	25		ed Pine	Medium	< 5 feet	Sapling				
	White Oak	8	Sapling	3	25	Decidu	ious Shrubs	Low	5 - 10 feet	Tall Shrub				
	Quaking Aspen	10	Sapling	3	25	Che	rry (spp.)	Low	5 - 10 feet	Sapling				
	Northern Pin Oak	35	Sapling	3	26	Oa	k (spp.)	Low	< 5 feet	Sapling				
	Red Pine	5	Sapling	2	18									
	Jack Pine	2	Sapling	2	18									
	Pin Cherry	20	Sapling	3	25									
2	6225	5 - Bog		Nonst	ocked	1.7			No		Most of this bog is located on private land.			
3	3302 - Low Der	nsity Conife	r Trees	Nonst	ocked	8.7	0	Unspecified	4211 - Planted	Red Pine	Seed tree harvest spring 2104. Parts of stand trenched and planted to red pine. Trenched 2016 and planted 5/2017. FTP C 73-979. Main competition is oak. Oak is about 2-4' tall, browsed heavily by deer.			
4	330 - Low-	330 - Low-Density Trees Nonstocked			Nonstocked		0	Immature	4211 - Planted	Red Pine	Parts of stand trenched and planted to red pine. Trenched 2016 and planted 5/2017. FTP C 73-979. Stand planned for release spray in FY 2			
					Sub-Canopy Species		s Density	Avg. Height	t Size					
						Re	ed Pine	High	< 5 feet	Sapling				
							Northern Pin Oak		< 5 feet Sapli	Sapling				
				L		Blac	Black Cherry Trace		5 - 10 feet Sapling					
5	4125 - Blac	k, N. Pin O	)ak S	Sapling	Medium	32.7	25	Immature	N/A		Harvest in 1996 - 10 to 20 sq ft of oak was left. Decent understory of oa			
	Canopy Species	% Cover	Size Class	DBI	H Age						maple and aspen. Coding stand for the understory not the seed trees th were left. The seed trees that were left are not worth harvesting (low			
	Red Maple	25	Sapling/Pole	9 4	25						volume and poor quality). They will provide seed / mast for yrs to come			
	White Oak	15	Pole	6	25						and future course woody deries.			
	Bigtooth Aspen	10	Pole/Sapling	g 5	25									
	Northern Pin Oak	20	Log	16										
	Northern Pin Oak	27	Sapling/Pole	9 4	25									
	White Pine	3	Log	10										
6 4199 - Other Mixed Upland Deciduous Saplin			Sapling	Medium	14.7	16	Immature	N/A		Clearcut 2005. All white pine and 1 -2 mature oak/ac were left. Thick oa				
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Car	nopy Specie	es Density	Avg. Height	Size	regeneration in areas where canopy was completely removed. Not enough canopy oak & pine to make a harvest worthwhile.			
	Red Maple	25	Sapling	2	16	Northe	ern Pin Oak	Medium	< 5 feet	Sapling	and an anopy our a prio to make a naroot worthering.			
			0 "	-	10						1			

Medium

Bigtooth Aspen

Northern Pin Oak

Northern Pin Oak

White Pine

15

50

5

5

Sapling

Sapling

Log

Log/Pole

2 16

2

14

10

16

Witch Hazel

Tall Shrub

5 - 10 feet



Stan	nd Level 4 Co	over Type	:	Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
7	4130	- Aspen		Sapling	Well	14.2	16	Immature	N/A		Clearcut 2005 - very nice regeneration. Stand is split by lowland
	Canopy Species	% Cover	Size Class	DBH	Age						drainage.
	Red Maple	5	Sapling	2	16						
	Red Oak	5	Sapling	2	16						
	Quaking Aspen	20	Sapling	2	16						
	Bigtooth Aspen	70	Sapling	2	16						
8	4130	- Aspen	Р	Poletimb	er Well	23.5	27	Immature	N/A		Clearcut 1994. Fully stocked aspen stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	15	Pole/Sapling	5	27	Wit	ch Hazel	Medium	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	70	Pole/Sapling	5	27						-
	Northern Pin Oak	15	Pole	6	27						
9	4130	- Aspen	Р	Poletimb	er Well	19.6	36	81-110	N/A		Clearcut 1985.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	15	Pole	6	36	Re	d Maple	High	10 - 20 feet	Sapling	
	Bigtooth Aspen	68	Pole	7	36	R	ed Oak	Trace	5 - 10 feet	Sapling	
	Red Oak	15	Pole	8	36	Bigto	oth Aspen	Medium	Variable	Sapling	
	Black Cherry	2	Pole	7							
10	4124 - Red v	with White	Oak Sa	wtimber	Mediu	m 13.3	86	51-80	N/A		Harvest 2005. All red maple, aspen and marked oak cut. Cruised residua
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	from 2005 timber sale was 50 sq ft. Very dense understory of aspen and red maple. Healthy good quality red oak. Basal area now ranges from 50-
	Red Oak	80	Log	16	86	Re	d Maple	High	10 - 20 feet	Sapling	100 sq. ft. Oak regen is being browsed hard by deer.
	White Oak	20	Log	16		Asp	en (spp.)	High	10 - 20 feet	Sapling	
						Oa	k (spp.)	Low	Variable	Sapling	
						WI	nite Pine	Low	10 - 20 feet	Sapling	
11	4126 - White, E	Black, N. Pi	in Oak S	Sawtimb	er Well	35.8	91	51-80	N/A		Selection harvest in 2005. Cruised residual from 2005 timber sale was 65 sq ft. Areas of red maple poles (pockets of Mr6). Overall the understory is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	not very well stocked. Stand is averaging 80-100 BA. Log sized oak that
	Red Maple	15	Pole/Log	10		Re	d Maple	Medium	Variable	Sapling	will need to be treated. Oak is starting to show age.
	White Oak	30	Log	14	91	Bigto	oth Aspen	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	15	Pole/Log	10		Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	
	Northern Pin Oak	39	Log	14	91						
	Red Pine	1	Log	12							

# Report 7 – Stands



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	6		. onic								Year of Entry: 2023
Stand	Level 4 Co	over Type	ç	Size De	ensity	Acres	Stand Age B	BA Range	Managed S	Site	General Comments
12	330 - Low-E	Density Tre	es	Nonst	ocked	26.4	0 1	Immature	42110 - Planted	I Red Pine	Roller chopped 2016, Trenched 2016, Planted to red pine 2017,
						Sub-Car	opy Species	Density	Avg. Height	Size	Released spray 2018. FTP C73-944. 06/2019 Gallagher, treatment update. Replant 05/2019 Seed Lot MIO336, 1 - 0. Year three
						Re	d Pine	Medium	< 5 feet	Sapling	regeneration check recommends replant by FO 10/18/2019.
						Re	ed Oak	Medium	< 5 feet	Sapling	
						Wh	ite Pine	Low	< 5 feet	Sapling	
						Red	d Maple	Medium	5 - 10 feet	Sapling	
						Re	ed Oak	Low	>20 feet	Log	
						Wh	ite Pine	Low	>20 feet	Pole	
13	4130 -	Aspen	P	oletimb	oer Wel	18.5	27	51-80	N/A		Clearcut 1994. Stand has come back very well & is already pushing 6-7
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	DBH.
	Red Maple	15	Pole/Sapling	5	27	Northe	rn Pin Oak	Low	5 - 10 feet	Sapling	
E	Bigtooth Aspen	70	Pole/Sapling	5	27	Wh	ite Pine	Low	5 - 10 feet	Sapling	
N	orthern Pin Oak	15	Pole	6	27	Wite	h Hazel	Low	5 - 10 feet	Tall Shrub	
14	4199 - Other Mixed	d Upland D	eciduous	Sapling	g Poor	21.6	16 I	Immature	N/A		Clearcut 2005. 1- 2 live oak trees left/ac. All white pine left. Result is heavy to red maple in understory with oak in the northern end & more
	Canopy Species	% Cover	Size Class	DBH	I Age						white pine poles in the southern end. Kept together as same stand due
	Red Maple	50	Sapling	1	16						size & treatment history.
E	Bigtooth Aspen	20	Sapling	1	16						
N	orthern Pin Oak	20	Sapling	1	16						
	White Pine	10	Sapling	2							
15	4199 - Other Mixed	d Upland D	eciduous Sa	apling l	Medium	24.0	25	1-50	N/A		Harvest in 1996. 25 - 35 sq ft of oak sawlogs were left. Red maple and oak regeneration is coming in nice. Basal area varies through stand (20
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	50 BA depending where at). Not worth trying to remove oak canopy due
	Red Maple	15	Sapling/Pole	4		Wite	h Hazel	Medium	5 - 10 feet	Tall Shrub	to dense regeneration.
	White Oak	10	Log	12	96						
	White Oak	20	Sapling	3	25						
E	Bigtooth Aspen	10	Sapling	4							
N	orthern Pin Oak	15	Log	12	96						
N	orthern Pin Oak	30	Sapling	3	25						
16	500 -	Water		Nonst	ocked	12.7			No		Flooded Q type. Standing dead trees still in stand.
16 17	500 - 42110 - Plar				ocked ber Well		65	81-110	No N/A		Red pine plantation. Thinned 2014. Scattered hardwood and white pine
17		nted Red P		oletimb		25.0	65 hopy Species		-	Size	
17	42110 - Plar	nted Red P	ine P	oletimb	ber Wel	25.0 <b>Sub-Ca</b> r			N/A	Size Sapling	Red pine plantation. Thinned 2014. Scattered hardwood and white pine
17	42110 - Plar Canopy Species	nted Red P % Cover	ine P Size Class	oletimb DBH	ber Wel	25.0 Sub-Car Northe	opy Species	Density	N/A Avg. Height		Red pine plantation. Thinned 2014. Scattered hardwood and white pine

# Report 7 – Stands



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Plan Plan

											Year of Entry: 2023
Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
18	4130	- Aspen		Sapling	Well	29.9	16	Immature	N/A		Clearcut 2005. Scattered white & red pine left. Stand filling in well.
	Canopy Species	% Cover	Size Class	DBH	Age						
E	Bigtooth Aspen	78	Sapling	2	16						
Black	k/Red (Hybrid) Oak	15	Sapling	2	16						
	White Pine	5	Sapling	2	16						
	Red Pine	1	Log	15							
	White Pine	1	Log	15							
19	6117 - Lowland I Coni	Deciduous, iferous	Mixed	Poletimbe	er Well	15.7	70	81-110	N/A		Wet drainage. To wet for commercial harvest. Heavy wildlife use.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Red Maple	40	Pole	5	70	Та	ag Alder	Medium	Variable	Tall Shrub	
	Balsam Fir	10	Pole	5		Re	ed Maple	Medium	Variable	Sapling	
	White Pine	20	Log/Pole	12		W	hite Pine	Medium	>20 feet	Sapling	
Nort	hern White Cedar	7	Pole	8		R	ed Oak	Low	< 5 feet	Sapling	
	Red Oak	8	Log	12							
E	Bigtooth Aspen	15	Log	12							
20	4130	- Aspen		Poletimbe	er Well	65.8	36	111-140	N/A		Clearcut 1985. Pockets of aspen are log size, but most of stand is still pole. Stand could be harvested. Merged 2-3 acre "scramble area" stan
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	into this aspen stand. Scramble area is located in the NE corner.
	Red Maple	15	Pole	7	36	Re	ed Maple	Medium	>20 feet	Sapling	
E	Bigtooth Aspen	70	Pole/Log	8	36	North	ern Pin Oak	Medium	5 - 10 feet	Sapling	
N	orthern Pin Oak	15	Pole	8	36						
21	4211 - Plan	ited Red Pi	ne	Sapling M	ledium	3.2	18	Immature	N/A		Land acquired in 2013. Red pine cored shows to be around 18 years o
22	42110 - Plar	nted Red P	ine	Sapling	Well	37.1	5	Immature	N/A		Roller chopped 2016, Trenched 2016, Planted to red pine 2017,
	Canopy Species	% Cover	Size Class	DBH	Age						Released spray 2018. FTP C73-944. 06/2019 Gallagher, treatment update. Replant 05/2019 Seed Lot ONCR601, 1 - 0. 10/18/2019, Year
	Red Pine	89	Sapling	1	5						regeneration check by FO recommends no further treatments, stand
	Red Maple	5	Sapling	1	5						meets fully stocked red pine criteria. Stand was release sprayed 2018.
	White Pine	3	Pole	8							Log oak and pole white pine were left in stand. current red pine is 2-3' height.
N	orthern Pin Oak	1	Log	14							noight.
N	orthern Pin Oak	2	Sapling	1							
23	4124 - Red v			Sawtimbe	er Well	9.3	98	81-110	N/A		Mixed mature oak stand with pole red maple, oak and aspen starting to $_{\rm T}$ recruit. There is a lowland pocket of alder in the center of stand that wi
	Canopy Species		Size Class		Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	need buffered during harvest.
	Ded Marila	15	Log	12		Re	ed Maple	Medium	>20 feet	Pole	, č
	Red Maple					D	a d O al i	Low	Variable	Pole	
	Bigtooth Aspen	15	Log/Pole	10		R	ed Oak	2011			
			Log/Pole Log	10 14	98		ooth Aspen	Low	>20 feet	Pole	
	Bigtooth Aspen	15	0		98	Bigto					

#### Report 7 – Stands

Compartment: 2 Year of Entry: 2023

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Stand	Level 4 C	over Type		Size I	Density	Acres	Stand Age	BA Range	Managed S	Site	General Comments
24	4130	- Aspen	I	Poletin	nber Well	55.5	25	Immature	N/A		Clearcut 1996. Fully stocked aspen stand. The eastern portion is smaller
	Canopy Species	% Cover	Size Class	DE	BH Age						diameter, at about 4-6 in. DBH. Western portion is about 6-8 in. DBH.
	Red Maple	10	Pole/Sapling	g 5	25						
	Bigtooth Aspen	75	Pole/Sapling	g 5	25						
Ν	Iorthern Pin Oak	13	Pole/Sapling	g 5	25						
	Paper Birch	2	Sapling/Pole	e 4	-						
25	42110 - Pla	nted Red P	ine	Sapli	ng Well	38.1	5	Immature	N/A		Roller chopped 2016, Trenched 2016, Planted to red pine 2017 Released
	Canopy Species	% Cover	Size Class	DE	BH Age						spray 2018. FTP C73-944. 06/2019 Gallagher, treatment update. Replant 05/2019 Seed Lot
	Red Pine	92	Sapling	1	5						ONCR601, 1 - 0. 10/18/2019, Year 3 regeneration check by FO
Ν	Iorthern Pin Oak	1	Log	1	4						recommends no further treatments, stand meets fully stocked red pine
	White Pine	2	Pole	8	;						criteria. Stand was release sprayed 2018. red pine is currently 2-3 in height. canopy oak and pole white pine are still in stand.
Ν	lorthern Pin Oak	5	Sapling	1							
26	42290 - Natu	ural Mixed F	Pine	Sawtin	nber Well	17.4	65	141-170	N/A		White pine composition ranges from saps to poles to scattered log sized
	Canopy Species	% Cover	Size Class	DE	BH Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	trees. Red pine was interplanted in 1939. Aspen is all but gone. White pine and oak saps from previous inventory have now reached pole size.
	Northern Pin Oak	9	Log	1	_	W	hite Pine	Medium	5 - 10 feet	Sapling	High density pine stand with oak mixed in both the overstory and
	White Pine	50	Pole/Log	g	65	Oa	ak (spp.)	High	5 - 10 feet	Sapling	understory.
	Red Pine	30	Log	1	2 82						_
	Jack Pine	5	Pole	8	;						
	Quaking Aspen	5	Pole/Log	8	;						
	White Oak	1	Log	1	4						
27	4139 - Aspen,	Mixed Deci	duous	Sapli	ng Well	26.9	13	Immature	N/A		land aquired in 2013. The area appears to have been cut after 2006 and
	Canopy Species	% Cover	Size Class	DE	3H Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	before 2009 according to imagery. Sapling cored shows to be around 13 years old. Red maple and aspen logs were left in the canopy, with a few
	Red Maple	3	Log	1:	2	Wi	tch Hazel	Medium	5 - 10 feet	Tall Shrub	o ak as well.
	Bigtooth Aspen	3	Log	1	4		Beech	Trace	5 - 10 feet	Sapling	
Ν	lorthern Pin Oak	17	Sapling	2	2						_
	Red Maple	25	Sapling	2	2						
	Bigtooth Aspen	50	Sapling	3	13						
	Black Cherry	2	Pole	8							
28	122 - Road	d/Parking L	ot	Nons	stocked	1.0		Unspecified	No		
29	3102	- Grass		Nons	stocked	2.2			No		Scattered white pine, oak and red pine. Keep stand delineated for future timber management.

# Report 7 – Stands



											Year of Entry: 2023
Stand	d Level 4 Co	over Type		Size De	nsity	Acres S	Stand Age B	A Range	Managed S	ite	General Comments
30	4126 - White, B	Black, N. Pi	n Oak	Sawtimb	er Well	11.3	94	81-110	N/A		Oak mortality. Larger older oak are in rough shape. Pole sized maple
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	understory that is younger than the oak overstory. Maple understory has reached merchantability. Oak will need treatment.
	Red Maple	30	Pole/Log	8	40	Red	Maple	Medium	>20 feet	Pole	······································
	White Oak	20	Log	14	94	Bigtoo	th Aspen	Low	>20 feet	Sapling	
	Bigtooth Aspen	10	Pole/Log	9		Norther	n Pin Oak	Low	5 - 10 feet	Sapling	
	Northern Pin Oak	40	Log	14	94	Witcl	n Hazel	Low	5 - 10 feet	Tall Shrub	
31	6225	i - Bog		Nonsto	cked	10.2			No		Bog with a few pine along the edge, signs of wildlife use going in & out o bog.
32	4126 - White, B	Black, N. Pi	n Oak	Sawtimb	er Well	40.6	86	81-110	N/A		Thinned in 1994 - all live oak left. Dense understory of red maple aspen
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	and oak. Let understory develop before next treatment. Most regeneration is 3-5" in DBH. Very good mix of white oak in the canopy.
	Red Maple	15	Log/Pole	10		Red	Maple	Full	>20 feet	Sapling	
	White Oak	35	Log	14	86	Bigtoo	th Aspen	Low	10 - 20 feet	Sapling	
	Northern Pin Oak	45	Log	14	86	Norther	n Pin Oak	Low	Variable	Sapling	
	White Pine	2	Pole	6		Whit	e Pine	Low	>20 feet	Sapling	
	Bigtooth Aspen	3	Pole/Log	9		Witcl	n Hazel	Medium	5 - 10 feet	Tall Shrub	
33	42110 - Plar	nted Red P	ine Sa	awtimber	Medium	n 46.7	82	81-110	N/A		Harvest in 2005 - red pine residual reduced to 75 sq ft. to establish an
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	oak understory. Oak understory is in the process of becoming well established. Oak understory is 18" to 10' tall that is both stump sprouts
	Northern Pin Oak	9	Log	14		Norther	n Pin Oak	Full	5 - 10 feet	Sapling	and seed source. Scattered mature n. pin oak was left. White pine saps
	White Pine	10	Pole/Log	8		Whit	e Pine	Low	5 - 10 feet	Sapling	and poles are present throughout entire stand
	Red Pine	80	Log	14	82						Heavy oak regen in understory. More white pine component in the NW
	White Oak	1	Log	4.4							corner and eastern edge of stand.
_			209	14							comer and castern cage of stand.
34		ne, Oak Mix		Poletimb	er Well	19.9	70	81-110	N/A		Diverse stand. Mixed pine, oak, aspen and maple are all in the stand.
34			κ	Poletimb	er Well		70 opy Species	81-110 Density	N/A Avg. Height	Size	
34	4310 - Pir	ne, Oak Mix	κ	Poletimb		Sub-Can				<b>Size</b> Sapling	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand.
34	4310 - Pir Canopy Species	ne, Oak Mix <b>% Cover</b>	Size Class	Poletimb DBH		Sub-Can Norther	opy Species	Density	Avg. Height		Diverse stand. Mixed pine, oak, aspen and maple are all in the stand.
	4310 - Pir Canopy Species White Oak	ne, Oak Mix <b>% Cover</b> 10	Size Class	Poletimb DBH		Sub-Can Norther Whit	o <b>py Species</b> n Pin Oak	Density Medium	Avg. Height 5 - 10 feet	Sapling	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber.
	4310 - Pir Canopy Species White Oak Bigtooth Aspen	ne, Oak Mix <b>% Cover</b> 10 12	Size Class Log Pole/Log	Poletimb DBH 14 8		Sub-Can Norther Whit Deciduo	n Pin Oak e Pine	Density Medium High	<b>Avg. Height</b> 5 - 10 feet Variable	Sapling Sapling	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber.
	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak	ne, Oak Mix % Cover 10 12 20	Size Class Log Pole/Log Log	Poletimb DBH 14 8 14 14	Age	Sub-Cane Norther Whit Deciduo Red	n Pin Oak e Pine us Shrubs	Density Medium High Low	<b>Avg. Height</b> 5 - 10 feet Variable Variable	Sapling Sapling Tall Shrub	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber.
	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Maple	ne, Oak Mix % Cover 10 12 20 55	Size Class Log Pole/Log Log Pole	Poletimb DBH 14 8 14 7 9 Sapling	Age 70 Well	Sub-Cane Norther Whit Deciduo Red	n Pin Oak e Pine us Shrubs Maple c Cherry	DensityMediumHighLowLow	Avg. Height 5 - 10 feet Variable Variable >20 feet	Sapling Sapling Tall Shrub Pole	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber.
	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Maple 4130 - Canopy Species	ne, Oak Mix <b>% Cover</b> 10 12 20 55 3 - Aspen	Size Class Log Pole/Log Log Pole	Poletimb DBH 14 8 14 7 9 Sapling	Age 70 10 10 10 10 10 10 10 10 10 10 10 10 10	Sub-Can Norther Whit Deciduo Red Black 21.1 Sub-Can	ppy Species n Pin Oak te Pine us Shrubs Maple t Cherry 27 I opy Species	Density Medium High Low Low Low	Avg. Height 5 - 10 feet Variable Variable >20 feet >20 feet	Sapling Sapling Tall Shrub Pole Pole	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber.
	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Maple 4130 -	ne, Oak Mix <b>% Cover</b> 10 12 20 55 3 - Aspen	Size Class Log Pole/Log Log Pole Pole/Log	Poletimb DBH 14 8 14 7 9 Sapling	Age           70           Well           Age           27	Sub-Can Norther Whit Deciduo Red Black 21.1 Sub-Can	ppy Species n Pin Oak e Pine us Shrubs Maple c Cherry 27 I	Density Medium High Low Low Low	Avg. Height 5 - 10 feet Variable Variable >20 feet >20 feet N/A	Sapling Sapling Tall Shrub Pole Pole	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber.
	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Maple 4130 - Canopy Species	ne, Oak Mix <b>% Cover</b> 10 12 20 55 3 - Aspen <b>% Cover</b>	Size Class Log Pole/Log Log Pole Pole/Log	Poletimb DBH 14 8 14 7 9 Sapling DBH	Age 70 10 10 10 10 10 10 10 10 10 10 10 10 10	Sub-Can Norther Whit Deciduo Red Black 21.1 Sub-Can Whit	ppy Species n Pin Oak te Pine us Shrubs Maple t Cherry 27 I opy Species	Density Medium High Low Low Low mmature Density	Avg. Height 5 - 10 feet Variable >20 feet >20 feet N/A Avg. Height	Sapling Sapling Tall Shrub Pole Pole	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber. Clearcut 1994. There is a lowland bog filled in with tag alder that splits most of the stand. Southeast corner of stand has more oak and maple,
35	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Maple 4130 - Canopy Species Red Maple	ne, Oak Mix <b>Cover</b> 10 12 20 55 3 - Aspen <b>Cover</b> 15	Size Class Log Pole/Log Pole Pole/Log Size Class Sapling	Poletimb DBH 14 8 14 7 9 Sapling DBH 3	Age           70           Well           Age           27	Sub-Can Norther Whit Deciduo Red Black 21.1 Sub-Can Whit Red	opy Species n Pin Oak te Pine us Shrubs Maple c Cherry 27 I opy Species te Pine	Density Medium High Low Low Low mmature Density Low	Avg. Height 5 - 10 feet Variable >20 feet >20 feet >20 feet N/A Avg. Height < 5 feet	Sapling Sapling Tall Shrub Pole Pole Size Sapling	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber. Clearcut 1994. There is a lowland bog filled in with tag alder that splits most of the stand. Southeast corner of stand has more oak and maple,
35	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Maple 4130 - Canopy Species Red Maple Bigtooth Aspen	ne, Oak Mix <b>% Cover</b> 10 12 20 55 3 - Aspen <b>% Cover</b> 15 60	Size Class Log Pole/Log Pole Pole/Log Size Class Sapling Sapling	Poletimb DBH 14 8 14 7 9 Sapling DBH 3 3 3	Age           70           70           Well           Age           27           27           27	Sub-Can Norther Whit Deciduo Red Black 21.1 Sub-Can Whit Red	opy Species n Pin Oak te Pine us Shrubs Maple c Cherry 27 I opy Species te Pine	Density Medium High Low Low Low Density Low Trace	Avg. Height           5 - 10 feet           Variable           Variable           >20 feet           >20 feet           N/A           Avg. Height           < 5 feet	Sapling Sapling Tall Shrub Pole Pole Size Sapling Sapling	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber. Clearcut 1994. There is a lowland bog filled in with tag alder that splits most of the stand. Southeast corner of stand has more oak and maple,
35	4310 - Pir Canopy Species White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Maple 4130 - Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak	ne, Oak Mix % Cover 10 12 20 55 3 - Aspen % Cover 15 60 15	Size Class Log Pole/Log Pole Pole/Log Size Class Sapling Sapling Sapling	Poletimb DBH 14 8 14 7 9 Sapling DBH 3 3 3 3	Age           70           70           Well           Age           27           27           27	Sub-Can Norther Whit Deciduo Red Black 21.1 Sub-Can Whit Red	opy Species n Pin Oak te Pine us Shrubs Maple c Cherry 27 I opy Species te Pine	Density Medium High Low Low Low Density Low Trace	Avg. Height           5 - 10 feet           Variable           Variable           >20 feet           >20 feet           N/A           Avg. Height           < 5 feet	Sapling Sapling Tall Shrub Pole Pole Size Sapling Sapling	Diverse stand. Mixed pine, oak, aspen and maple are all in the stand. Most trees are log sized with a good mix of pole timber.

#### Report 7 – Stands

Compartment: 2 Year of Entry: 2023 DIR MICHIGAN

stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
36	500 -	Water		Nonsto	ocked	1.1			No		North end of Rollway Lake
38	4130	- Aspen		Sapling	ı Well	91.5	7	Immature	N/A		Clear cut 2014. Fully stocked aspen stand. Most the oak is currently
1	Canopy Species Northern Pin Oak Red Maple Bigtooth Aspen	% Cover           10           25           65	Size Class Sapling Sapling Sapling	DBH           1           2           2	7						shorter than the aspen, but will continue to recruit into the canopy.
39	3301 - Low Densi	ty Deciduo	us Trees	Nonsto	ocked	10.2	0	Unspecified	4126 - White, Bla Oak	ck, N. Pin	Stand was originally part of planted red pine to the West(stand 3) & th seed tree stands to the NW(stand 148). Not as many canopy oak left, with denser regen of both oak and red maple. Recommending to acce current stand condition.
											Seed tree harvest spring 2104. Parts of stand trenched and planted to red pine. Trenched 2016 and planted 5/2017. FTP C 73-979.
40	4199 - Other Mixe	d Upland D	eciduous	Sapling	y Well	4.9	13	Immature	N/A		Clear cut 2007
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	35	Sapling	1	13						
	Quaking Aspen	28	Sapling	1	13						
1	Northern Pin Oak	35	Sapling	1	13						
	White Pine	2	Pole/Log	9	39						
41	42110 - Pla	nted Red P	'ine Si	awtimber	Mediu	m 19.3	62	51-80	N/A		Cut in 1995 - 40 to 50 sq ft of red and white pine left. Oak regen is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	present. Areas of stand are semi open. Currently the stand varies from 60-90 BA. Oak, aspen and cherry are all pole sized.
	White Pine	30	Log/Pole	12		Wh	nite Pine	Low	Variable	Sapling	00-30 DA. Oak, aspen and cherry are an pole sized.
	Red Pine	70	Log/Pole	12	62	Blac	k Cherry	Low	>20 feet	Pole	
						Northe	ern Pin Oak	Medium	5 - 10 feet	Sapling	
					-	Quak	ing Aspen	Medium	>20 feet	Pole	
						Wł	nite Oak	Trace	>20 feet	Pole	
42	4199 - Other Mixe	•		Poletimb		14.1	50	81-110	N/A		Clearcut 1971. Oak on ridges with the aspen in the lower spots.
	Canopy Species		Size Class		Age		nopy Specie	-	Avg. Height	Size	
	Red Maple	20	Pole	7	50		d Maple	Medium		Sapling	
	White Oak	10	Pole/Log	9	50	0	oth Aspen	Medium		Sapling	
	Bigtooth Aspen	30	Pole	8	50		ern Pin Oak	High	Variable	Sapling	
1	Northern Pin Oak	40	Pole/Log	8	50	Blac	ck Cherry	Low	10 - 20 feet	Sapling	



Stand	d Level 4 C	over Type	•	Size De		Acres	Stand Age B	A Range	Managed S	bite	General Comments
43	4133 - Aspe	en, Mixed P	ine P	oletim	oer Well	23.3	36	81-110	N/A		Clearcut 1985 - all red and white pine left. More canopy white pine in the
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	south and oak and jack pine in the center of stand. Oak regen is recruiting under the aspen. Good looking aspen stand that will increase in
	Quaking Aspen	72	Pole	6	36	Northe	rn Pin Oak	Low	10 - 20 feet	Sapling	BA as it grows.
	White Pine	15	Log/Pole	12		Wh	ite Pine	Low	10 - 20 feet	Sapling	
	Red Pine	5	Log	12		Wh	ite Oak	Trace	5 - 10 feet	Sapling	
	Jack Pine	5	Log/Pole	10							
	Red Maple	3	Pole	6							
44	4126 - White, I	Black, N. Pi	n Oak S	awtimb	er Well	15.3	93	81-110	N/A		Mature mixed oak stand showing signs of old age. Heavy deer browse on
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	oak saplings.
١	Northern Pin Oak	50	Log	16	93	Northe	rn Pin Oak	Medium	5 - 10 feet	Sapling	
	White Oak	35	Log	12		Wite	ch Hazel	Medium	5 - 10 feet	Tall Shrub	>
	Red Maple	10	Log	10		Red	d Maple	Low	>20 feet	Sapling	
	White Pine	5	Pole/Log	9		Wh	ite Pine	Low	10 - 20 feet	Sapling	
	000										
45	622	5 - Bog		Nonst	ocked	3.6	U	nspecified	No		
45 46	6225 4199 - Other Mixe	0	eciduous P	oletim	ber Well	3.6	U 36	nspecified 81-110	No N/A		Clearcut 1985. Stand was originally part of aspen stand to the north. This
	4199 - Other Mixe Canopy Species	ed Upland D % Cover	Size Class	oletimt DBH	ber Well I Age	19.6 <b>Sub-Ca</b> r	36 nopy Species	81-110	N/A Avg. Height	Size	Clearcut 1985. Stand was originally part of aspen stand to the north. This stand came back to more oak & red maple.
46	4199 - Other Mixe Canopy Species Red Maple	ed Upland D % Cover 35	Size Class Pole	oletimt DBH	er Well I Age 36	19.6 <b>Sub-Car</b> Red	36 <b>nopy Species</b> d Maple	81-110 Density Low	N/A Avg. Height 10 - 20 feet	Sapling	<b>a , , , ,</b>
46	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen	ed Upland D % Cover 35 10	Size Class Pole Pole	Detimb DBH 7 8	ber Well <b>1 Age</b> 36 36	19.6 Sub-Car Rec Northe	36 <b>hopy Species</b> d Maple rn Pin Oak	81-110 Density Low Low	N/A Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling	<b>a , , , ,</b>
46	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak	ed Upland D % Cover 35 10 45	Size Class Pole Pole Log/Pole	DBH 7 8 10	er Well I Age 36	19.6 Sub-Car Rec Northe Wh	36 hopy Species d Maple rn Pin Oak ite Oak	81-110 Density Low Low Low	N/A Avg. Height 10 - 20 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	stand came back to more oak & red maple.
46	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak	ed Upland D % Cover 35 10 45 5	Size Class Pole Pole Log/Pole Pole	DBH           7           8           10           6	ber Well <b>1 Age</b> 36 36	19.6 Sub-Car Rec Northe Wh	36 <b>hopy Species</b> d Maple rn Pin Oak	81-110 Density Low Low	N/A Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling	stand came back to more oak & red maple.
46	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak	ed Upland D % Cover 35 10 45	Size Class Pole Pole Log/Pole	DBH 7 8 10	ber Well <b>1 Age</b> 36 36	19.6 Sub-Car Rec Northe Wh	36 hopy Species d Maple rn Pin Oak ite Oak	81-110 Density Low Low Low	N/A Avg. Height 10 - 20 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	stand came back to more oak & red maple.
46	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry	ed Upland D % Cover 35 10 45 5	Size Class Pole Pole Log/Pole Pole	DBI           7           8           10           6           6	ber Well <b>1 Age</b> 36 36	19.6 Sub-Car Rec Northe Wh	36 hopy Species d Maple rn Pin Oak ite Oak	81-110 Density Low Low Low	N/A Avg. Height 10 - 20 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	Stand came back to more oak & red maple.
<b>46</b>	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry	d Upland D % Cover 35 10 45 5 5 5 Aspen, Oak	Size Class Pole Pole Log/Pole Pole	DBH 7 8 10 6 6	ber Well <b>Age</b> 36 36 36 4 50 50 50 50 50 50 50 50 50 50	19.6 Sub-Car Rec Northe Wh Wito 43.1	36 d Maple rn Pin Oak iite Oak ch Hazel	81-110 <b>Density</b> Low Low Low Low 51-80	N/A Avg. Height 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	stand came back to more oak & red maple.
<b>46</b>	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A	d Upland D % Cover 35 10 45 5 5 5 Aspen, Oak	Size Class Pole Pole Dole Pole Pole	DBH 7 8 10 6 6	ber Well <b>Age</b> 36 36 36 36 0 0 0 0 0 0 0 0 0 0 0 0 0	19.6 Sub-Car Rec Northe Wh Wito 43.1 Sub-Car	36 hopy Species d Maple rn Pin Oak ite Oak ch Hazel 35	81-110 <b>Density</b> Low Low Low Low 51-80	N/A Avg. Height 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.
46 ► 47	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A Canopy Species	d Upland D	Size Class Pole Dole Dole Pole Pole Pole	Poletime       0       7       8       10       6       6       OBH       0       DBH       6       7	ber Well <b>Age</b> 36 36 36 4 50 50 50 50 50 50 50 50 50 50	19.6 Sub-Car Rec Northe Wh Wito 43.1 Sub-Car Wito	36 hopy Species d Maple rn Pin Oak ite Oak ch Hazel 35 hopy Species	81-110	N/A Avg. Height 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.
46 ♪ 47	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A Canopy Species Red Maple	ed Upland D % Cover 35 10 45 5 5 45 5 45 5 45 5 45 5 20	Size Class Pole Log/Pole Pole Pole Bize Class Pole	roletimt DBH 7 8 10 6 6 roletimt DBH 6	Der Well <b>1 Age</b> 36 36 36 0 0 0 0 0 0 0 0 0 0 0 0 0	19.6 Sub-Car Rec Northe Wh Wito 43.1 Sub-Car Wito	36 hopy Species d Maple rn Pin Oak ite Oak ch Hazel 35 hopy Species ch Hazel	81-110 Density Low Low Low Low 51-80 Density High	N/A <b>Avg. Height</b> 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A <b>Avg. Height</b> 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.
46 ♪ 47	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A Canopy Species Red Maple Bigtooth Aspen	ed Upland D <b>% Cover</b> 35 10 45 5 5 35 45 <b>%</b> <b>% Cover</b> 20 60	Size Class Pole Log/Pole Pole Pole Size Class Pole Pole	Poletime       0       7       8       10       6       6       roletime       0 <td>ber Well <b>1 Age</b> 36 36 36 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>19.6 Sub-Car Rec Northe Wh Wito 43.1 Sub-Car Wito</td> <td>36 hopy Species d Maple rn Pin Oak ite Oak ch Hazel 35 hopy Species ch Hazel</td> <td>81-110 Density Low Low Low Low 51-80 Density High</td> <td>N/A <b>Avg. Height</b> 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A <b>Avg. Height</b> 5 - 10 feet</td> <td>Sapling Sapling Sapling Tall Shrub</td> <td>Stand came back to more oak &amp; red maple.</td>	ber Well <b>1 Age</b> 36 36 36 0 0 0 0 0 0 0 0 0 0 0 0 0	19.6 Sub-Car Rec Northe Wh Wito 43.1 Sub-Car Wito	36 hopy Species d Maple rn Pin Oak ite Oak ch Hazel 35 hopy Species ch Hazel	81-110 Density Low Low Low Low 51-80 Density High	N/A <b>Avg. Height</b> 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A <b>Avg. Height</b> 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.
46 ♪ 47	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak	ed Upland D % Cover 35 10 45 5 5 Aspen, Oak % Cover 20 60 15	Size Class Pole Log/Pole Pole Pole Size Class Pole Pole Pole	DBH       7       8       10       6       6       00letimk       DBH       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7	ber Well <b>1 Age</b> 36 36 36 36 4 5 5 35 35 35 35 35 35 35 35	19.6 Sub-Car Rec Northe Wh Wito 43.1 Sub-Car Wito	36 Maple m Pin Oak ite Oak ch Hazel 35 mopy Species ch Hazel m Pin Oak	81-110 Density Low Low Low Low 51-80 Density High	N/A <b>Avg. Height</b> 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A <b>Avg. Height</b> 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.
46	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak	ed Upland D % Cover 35 10 45 5 5 Aspen, Oak % Cover 20 60 15 5 - Aspen	Size Class Pole Log/Pole Pole Pole Size Class Pole Pole Pole	Poletime       0       7       8       10       6       6       7       8       10       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       8       9   <	Der Well <b>1 Age</b> 36 36 36 4 0 0 0 0 0 0 0 0 0 0 0 0 0	19.6 Sub-Car Rec Northe Wh Witc 43.1 Sub-Car Witc Northe	36 Maple m Pin Oak ite Oak ch Hazel 35 mopy Species ch Hazel m Pin Oak	81-110 Density Low Low Low Low S1-80 Density High Low	N/A <b>Avg. Height</b> 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A <b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.
46 ► 47 50	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak White Oak	ed Upland D % Cover 35 10 45 5 5 Aspen, Oak % Cover 20 60 15 5 - Aspen	Size Class Pole Log/Pole Pole Pole Size Class Pole Pole Pole Size Class Sapling	DBH       7       8       10       6       7       8       10       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       3	ber Well <b>1 Age</b> 36 36 36 36 0 0 0 0 0 0 0 0 0 0 0 0 0	19.6 Sub-Car Rec Northe Wh Witc 43.1 Sub-Car Witc Northe	36 Maple m Pin Oak ite Oak ch Hazel 35 mopy Species ch Hazel m Pin Oak	81-110 Density Low Low Low Low S1-80 Density High Low	N/A <b>Avg. Height</b> 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A <b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.
46 ► 47 50	4199 - Other Mixe Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak Black Cherry 4131 - A Canopy Species Red Maple Bigtooth Aspen Northern Pin Oak White Oak 4130 Canopy Species	ed Upland D	Size Class         Pole         Log/Pole         Pole         Pole         Pole         Pole         Pole         Pole         Size Class         Pole         Size Class	Poletime       0       7       8       10       6       6       7       8       10       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       6       7       8       9   <	ber Well <b>1 Age</b> 36 36 36 36 0 0 0 0 0 0 0 0 0 0 0 0 0	19.6 Sub-Car Rec Northe Wh Witc 43.1 Sub-Car Witc Northe	36 Maple m Pin Oak ite Oak ch Hazel 35 mopy Species ch Hazel m Pin Oak	81-110 Density Low Low Low Low S1-80 Density High Low	N/A <b>Avg. Height</b> 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A <b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	Stand came back to more oak & red maple.

### Report 7 – Stands



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P Pla

and	Level 4 C	over Type		Size De	ensitv	Acres St	tand Age B	A Range	Managed S	ite	General Comments
51	4133 - Aspe			Poletimb			•	111-140	N/A		Clearcut 1985. Aspen stand with pockets of pine. northern edge contains
	Canopy Species	,	Size Class	DBH	Age	Sub-Canor	py Species	Density	Avg. Height	Size	the red and white pine dominated canopy.
	Quaking Aspen	75	Pole	7	36	Quaking		High	10 - 20 feet	Sapling	
	Bigtooth Aspen	5	Pole	7	36	Northern	/ '	Medium	10 - 20 feet	Sapling	
	White Pine	10	Log	12	00	Black (		Low	5 - 10 feet	Sapling	
	Red Pine	10	Log	12	49	Black	onony	Lon	0 101000	Caping	J
52	42110 - Pla	nted Red P	ine Sa	awtimbe	r Mediur	m 3.1	61	111-140	N/A		Red pine planted in 1960, Thinned 05/2015. Stand is doing well, with
-	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cano	py Species	Density	Avg. Height	Size	minimal deciduous competition. Subcanopy is still under 5. Oak is being browsed heavily.
	Red Pine	94	Log/Pole	10	61	Northern	Pin Oak	High	< 5 feet	Sapling	blowsed heavily.
	Quaking Aspen	2	Pole	9		Quaking	Aspen	Medium	5 - 10 feet	Sapling	
	White Pine	2	Pole	8		Red	Pine	Low	< 5 feet	Seeding	
1	Northern Pin Oak	2	Log	14						0	]
3	4199 - Other Mixe	d Upland D	eciduous F	Poletimb	er Poor	10.7	33	1-50	N/A		Patchy upland stand at the lower end of 25-50% canopy cover. Low
	Canopy Species	% Cover	Sizo Class		1 4 7 7	Cult Cana	<u> </u>				canopy cover has resulted in scrubby growth characteristics in oak and
		/* • • • • •	312e Ciass		I Age	Sub-Cano	py Species	Density	Avg. Height	Size	aspen. Continue to hold stand. Potentially harvest in future years and
	Quaking Aspen	30	Pole/Log	8	33	Sub-Cano Red		Density Trace	5 - 10 feet	Size Sapling	aspen. Continue to hold stand. Potentially harvest in future years and convert to red pine.
					-		Pine	-			
	Quaking Aspen	30	Pole/Log	8	33	Red	Pine Pine	Trace	5 - 10 feet	Sapling	
	Quaking Aspen Northern Pin Oak	30 30	Pole/Log Pole	8	33	Red White	Pine Pine Pin Oak	Trace Low	5 - 10 feet 5 - 10 feet	Sapling Sapling	
	Quaking Aspen Northern Pin Oak Black Cherry	30 30 30	Pole/Log Pole Pole	8 8 7	33	Red White Northern	Pine Pine Pin Oak Cherry	Trace Low Medium	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
1	Quaking Aspen Northern Pin Oak Black Cherry White Pine	30 30 30 5 5 5	Pole/Log Pole Pole/Log Pole/Log	8 8 7 9	33 22	Red White Northern Black ( Quaking	Pine Pine Pin Oak Cherry	Trace Low Medium Medium	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling	convert to red pine.
1	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine	30 30 30 5 5 8k, N. Pin O	Pole/Log Pole Pole/Log Pole/Log	8 8 7 9 9 8 wtimbe	33 22	Red White Northern Black ( Quaking m 21.9	Pine Pine Pin Oak Cherry Aspen	Trace Low Medium Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Sapling Sapling	Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand
1	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac	30 30 30 5 5 8k, N. Pin O	Pole/Log Pole Pole/Log Pole/Log Pole/Log	8 8 7 9 9 8 wtimbe	33 22 Mediur	Red White Northern Black ( Quaking m 21.9	Pine Pine Pin Oak Cherry Aspen 94 py Species	Trace Low Medium Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A	Sapling Sapling Sapling Sapling Sapling	convert to red pine.
1	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac Canopy Species	30 30 5 5 5 k, N. Pin O <b>% Cover</b>	Pole/Log Pole Pole/Log Pole/Log Pole/Log	8 8 7 9 9 awtimber DBH	33 22 Mediur	Red White Northern Black ( Quaking m 21.9 Sub-Canop	Pine Pine Pin Oak Cherry Aspen 94 Py Species Maple	Trace Low Medium Medium Low 51-80 Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling	Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up
55	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac <b>Canopy Species</b> Red Oak	30 30 5 5 k, N. Pin O <b>% Cover</b> 20	Pole/Log Pole Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	8 8 7 9 9 awtimber DBH	33 22 Mediur	Red White Northern Black ( Quaking m 21.9 Sub-Canop Red M	Pine Pine Pin Oak Cherry g Aspen 94 py Species Maple a Aspen	Trace Low Medium Medium Low 51-80 Density Medium	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet	Sapling Sapling Sapling Sapling Sapling	Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up
55	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac <b>Canopy Species</b> Red Oak White Oak	30 30 5 5 5 kk, N. Pin O <b>% Cover</b> 20 10	Pole/Log Pole Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Log	8 8 7 9 9 awtimber 16 16	33 22 r Mediur I Age	Red White Northern Black ( Quaking m 21.9 Sub-Canop Red M Bigtooth	Pine Pine Pin Oak Cherry Aspen 94 <b>94</b> <b>94</b> <b>py Species</b> Maple Aspen Pin Oak	Trace Low Medium Medium Low 51-80 Density Medium High	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet >20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling	Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up
۲ 55	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac <b>Canopy Species</b> Red Oak White Oak Northern Pin Oak	30 30 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 7 6 0 7 6 0 10 6 9 1	Pole/Log Pole Pole/Log Pole/Log Pole/Log Aak Sa Size Class Log Log Log Log	8 8 7 9 9 9 awtimber 16 16 16 16 16 12	33 22 r Mediur I Age 94 94	Red White Northern Black ( Quaking m 21.9 Sub-Canop Red M Bigtooth Northern	Pine Pine Pin Oak Cherry 94 94 94 94 95 94 94 94 94 94 94 94 94 94 94 94 94 94	Trace Low Medium Medium Low  51-80  Density Medium High Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet >20 feet < 5 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up more & along the stand edges. Red pine planted in 1960. Narrow stand between private and hardwood
۲ 55	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac <b>Canopy Species</b> Red Oak White Oak Northern Pin Oak Red Pine	30 30 5 5 5 ck, N. Pin O <b>% Cover</b> 20 10 69 1 1 nted Red P	Pole/Log Pole Pole/Log Pole/Log Pole/Log Aak Sa Size Class Log Log Log Log	8 8 7 9 9 9 awtimber 16 16 16 16 16 12	33 22 Mediur Age 94	Red White Northern Black ( Quaking m 21.9 Sub-Canop Red M Bigtooth Northern White 3.1	Pine Pine Pin Oak Cherry 94 94 94 94 95 94 94 94 94 94 94 94 94 94 94 94 94 94	Trace Low Medium Medium Low  51-80  Density Medium High Low Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet >20 feet >20 feet >20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up more & along the stand edges.
55	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac Canopy Species Red Oak White Oak Northern Pin Oak Red Pine 42110 - Plan	30 30 5 5 5 ck, N. Pin O <b>% Cover</b> 20 10 69 1 1 nted Red P	Pole/Log Pole Pole/Log Pole/Log Pole/Log Dak Sa Size Class Log Log Log Log	8 8 7 9 9 9 awtimber 16 16 16 16 16 12	33 22 r Mediur I Age 94 94	Red White Northern Black ( Quaking m 21.9 Sub-Canop Red M Bigtooth Northern White 3.1	Pine Pine Pin Oak Cherry Aspen 94 Py Species Maple Aspen Pin Oak Pine 61 py Species	Trace Low Medium Medium Low 51-80 Density Medium High Low Low Low 111-140	5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet >20 feet >20 feet >20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole	Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up more & along the stand edges.
55 1 56	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac Canopy Species Red Oak White Oak Northern Pin Oak Red Pine 42110 - Plan Canopy Species	30 30 5 5 5 k, N. Pin O <b>% Cover</b> 20 10 69 1 1 nted Red P <b>% Cover</b>	Pole/Log Pole Pole/Log Pole/Log Pole/Log Log Log Log Log Size Class	8 8 7 9 9 9 <b>DBH</b> 16 16 16 16 16 16 12 Poletimb	33 22 r Mediur I Age 94 94	Red White Northern Black ( Quaking m 21.9 Sub-Canoj Red M Bigtooth Northern White 3.1 Sub-Canoj	Pine Pine Pin Oak Cherry 3 Aspen 94 94 99 94 99 94 99 94 99 94 99 94 99 94 94	Trace Low Medium Medium Low 51-80 Density Medium High Low Low 111-140 Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet >20 feet >20 feet >20 feet N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole	Convert to red pine. Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up more & along the stand edges. Red pine planted in 1960. Narrow stand between private and hardwood stands to the west. Hap hazard rows - many other species mixed in n. pi oak, white pine, jack pine and aspen. Half of actual plantaion is on
55 56	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blac Canopy Species Red Oak White Oak Northern Pin Oak Red Pine 42110 - Pla Canopy Species Quaking Aspen	30 30 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Pole/Log Pole Pole/Log Pole/Log Pole/Log Log Log Log Log Size Class ine F	8 8 7 9 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	33 22 r Mediur I Age 94 94	Red White Northern Black ( Quaking m 21.9 Sub-Canoj Red M Bigtooth Northern White 3.1 Sub-Canoj Northern	Pine Pine Pin Oak Cherry 3 Aspen 94 94 99 94 99 94 99 94 99 94 99 94 99 94 94	Trace Low Medium Medium Low 51-80 Density Medium High Low ULow 111-140 Density Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet >20 feet >20 feet >20 feet N/A Avg. Height < 5 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole Size Sapling	Convert to red pine. Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up more & along the stand edges. Red pine planted in 1960. Narrow stand between private and hardwood stands to the west. Hap hazard rows - many other species mixed in n. pi oak, white pine, jack pine and aspen. Half of actual plantaion is on
55 56	Quaking Aspen Northern Pin Oak Black Cherry White Pine Red Pine 4125 - Blace Canopy Species Red Oak White Oak Northern Pin Oak Red Pine 42110 - Plan Canopy Species Quaking Aspen Northern Pin Oak	30 30 30 5 5 5 5 5 5 5 5 5 5 5 7 6 7 6 9 1 1 1 1 1 7 7 6 9 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Pole/Log Pole Pole/Log Pole/Log Pole/Log Pole/Log Log Log Log Size Class Size Class Pole Log	8 8 7 9 9 3 awtimber 16 16 16 16 16 12 Poletimb 9 9 12	33 22 r Mediur I Age 94 94	Red White Northern Black ( Quaking m 21.9 Sub-Canoj Red M Bigtooth Northern White 3.1 Sub-Canoj Northern	Pine Pine Pin Oak Cherry 3 Aspen 94 94 99 94 99 94 99 94 99 94 99 94 99 94 94	Trace Low Medium Medium Low 51-80 Density Medium High Low ULow 111-140 Density Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height >20 feet >20 feet >20 feet >20 feet N/A Avg. Height < 5 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole Size Sapling	Convert to red pine. Selection harvest in 2005 - all aspen, red maple and oak were cut. Stand still ranges in 60-90 basal area of oak. Understory is sparse in most areas. Some denser oak regeneration where the canopy was opened up more & along the stand edges. Red pine planted in 1960. Narrow stand between private and hardwood stands to the west. Hap hazard rows - many other species mixed in n. pi oak, white pine, jack pine and aspen. Half of actual plantaion is on

# Report 7 – Stands

Compartment: 2 Year of Entry: 2023



Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
59	4199 - Other Mixe	d Upland D	eciduous	Saplin	y Well	73.9	16	Immature	N/A		Shelterwood harvest in 2005 - 35 sq ft of oak was left. Possible oak wilt about 1/3 of the trees that were left are standing dead.
	Canopy Species	% Cover	Size Class		Age						about 1/5 of the trees that were left are standing dead.
	Northern Pin Oak	54	Sapling	2	16						Majority of overstory oak are now dead. Inclusion of a strip of planted red
	Quaking Aspen	25	Sapling	2							pine running n/s in center of stand. Very dense oak/aspen understory only a trace of red maple in understory. Lot of white pine left in overstory,
	White Pine	3	Pole/Log	9	54						stand has regenerated very well. May be able to delineate oak/aspen
	Red Maple	10	Sapling	2							stands in the future as stand progresses.
	Red Pine	3	Log	11	54						
	Black Cherry	5	Sapling	2							
60	4130	- Aspen		Saplin	Well	21.2	16	Immature	N/A		Clearcut 2005. Fully stocked aspen stand with oak mixing in.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	15	Sapling	2	16	Re	d Oak	Low	< 5 feet	Sapling	
	Red Oak	15	Sapling	2	16						
	Bigtooth Aspen	70	Sapling	2	16						
62	6225	5 - Bog		Nonsto	ocked	31.8			No		Walked through bog while finding corners in the Fall. Hummocky & fairly dry. Highly used by deer. White pine is spread throughout the bog. There are a couple of upland islands that include oak, aspen and mixed pine.
63	4123 -	Red Oak	:	Sawtimb	er Well	4.5	98	81-110	N/A		Good quality mixed oak with bigtooth and pole red maple. Access is is is issue with this stand. Only way in is across several private parcels.
	<b>Canopy Species</b>	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	issue with this stand. Only way in is across several private parcels.
	Red Oak	65	Log	16	98	Witc	h Hazel	Low	5 - 10 feet	Tall Shrub	
	White Oak	10	Log	14		Red	l Maple	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	15	Log	12		Re	d Oak	Low	< 5 feet	Sapling	
	Red Maple	10	Log/Pole	10							
65	500	Water		Nonsto	ocked	1.2			No		Pocket within bog, surrounded by tamarack and white pine.
66	3301 - Low Dens	ty Deciduou	us Trees	Nonst	ocked	6.0			No		scrubby regeneration of cherry, aspen and oak. Oak in the overstory is now dead.
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Northe	rn Pin Oak	Low	>20 feet	Log	
						Black	k Cherry	Low	5 - 10 feet	Tall Shrub	
						Quald		1	5 - 10 feet	Sapling	
						Quaki	ng Aspen	Low	5 - 10 leel	Saping	
							ng Aspen rn Pin Oak	Low	5 - 10 feet	Sapling	
67	4125 - Blac	k, N. Pin O	ak s	Sawtimb	er Poor	Northe	0 1				Small stand - between private and larger managed stand to the south.
67	4125 - Blac Canopy Species	·	ak Size Class		er Poor	Norther 4.5	rn Pin Oak	Low 1-50	5 - 10 feet		Visual concerns with this stand. Possible to remove all aspen and poor
		·				4.5 Sub-Can	rn Pin Oak 97	Low 1-50	5 - 10 feet N/A	Sapling	
	Canopy Species	% Cover	Size Class	DBH	Age	Norther 4.5 Sub-Can Whi	97 opy Species	Low 1-50 Density	5 - 10 feet N/A Avg. Height	Sapling Size Sapling Sapling	Visual concerns with this stand. Possible to remove all aspen and poor quality oak reducing residual oak BA/AC down to 60 to 70 sq ft. Survey corners are in for blue line work. Shelterwood harvest 5/2015.
	Canopy Species Northern Pin Oak	<b>% Cover</b> 85	Size Class	<b>DBH</b> 12	Age	4.5 Sub-Can Whi Aspe	97 97 97 Species	Low 1-50 Density Low	5 - 10 feet N/A Avg. Height Variable	Sapling Size Sapling	Visual concerns with this stand. Possible to remove all aspen and poor quality oak reducing residual oak BA/AC down to 60 to 70 sq ft. Survey

# Report 7 – Stands



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Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
86	4130	- Aspen	F	Poletimb	er Well	31.4	16	Immature	N/A		Clearcut in 2005. Stand is coming back well. Good mix of species.
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	10	Sapling/Pole	9 4	16						
	Bigtooth Aspen	74	Pole/Sapling	j 5	16						
Blac	k/Red (Hybrid) Oak	3	Sapling	2							
	Paper Birch	5	Sapling/Pole	9 4							
	Sugar Maple	2	Sapling	1							
	Black Cherry	5	Sapling	2							
	Balsam Fir	1	Sapling	1							
87	4130	- Aspen	F	Poletimb	er Well	16.6	36	81-110	N/A		Clearcut in 1985. Stand is coming back well. Does have areas of low
	Canopy Species	% Cover	Size Class	DBH	Age						pockets
	Red Maple	15	Pole	6	36						
	Quaking Aspen	10	Pole	7	36						
	Bigtooth Aspen	65	Pole	7	36						
Blac	ck/Red (Hybrid) Oak	10	Pole	6							
88	4110 - Sugar N	laple Assoc	ciation	Sawtimb		2.5	101	1-50	N/A		Small open stand with scattered big wolfy sugar maple. Very few desirable species in subcanopy. Manage with adjacent aspen stand.
	Canopy Species		Size Class		Age		nopy Speci	-	Avg. Height	Size	
	Sugar Maple	92	Log/XLog	16	101		onwood	High	10 - 20 feet	Sapling	
	Bigtooth Aspen	3	Log/Pole	10			Beech	Medium	10 - 20 feet	Sapling	
	Beech	4	Log	11							
	Red Oak	1	Pole/Log	8							
90	4139 - Aspen, I	Mixed Deci	duous f	Poletimb	er Well	38.4	36	81-110	N/A		Clearcut in 1985. Scattered low areas with cattails and tag alder. Basal
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	area is lower in wetter areas. Manage at the same time as adjacent stand 87 for access.
	Red Maple	50	Pole	6	36	Re	d Maple	Medium	Variable	Sapling	
	Quaking Aspen	30	Pole	5	36	Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	10	Pole	6	36	As	sh (spp.)	Medium	Variable	Sapling	
	Balsam Fir	10	Pole/Sapling	5	36	Asp	en (spp.)	Medium	Variable	Sapling	
91	4119 - Mixed No			Sawtimb		21.2	90	81-110	N/A		Selection harvest in 2005. Residual BA/AC was reduced to 95 sq ft. Man pole size trees in stand. Average BA is still sitting around 95 sq ft. Beech
	Canopy Species		Size Class		Age		nopy Speci		Avg. Height	Size	is dying out, oak is in good form, sugar maple is ok. Most aspen is
	Sugar Maple	40	Log	14	90		ole (spp.)	Low	Variable	Sapling	located in the north and western portion of stand.
	Beech	10	Pole/Log	10		0	oth Aspen	Low	10 - 20 feet	Sapling	-
	Red Oak	24	Log/XLog	16		R	ed Oak	Low	5 - 10 feet	Sapling	
					11						
	Bigtooth Aspen	10	Log/Pole	11			Beech	Medium	10 - 20 feet	Sapling	
	Bigtooth Aspen Basswood Black Cherry	10 15 1	Log/Pole Log	11 16 12			Beech onwood	Medium Medium	10 - 20 feet 10 - 20 feet	Sapling Sapling	

### Report 7 – Stands



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Plan Plan

tand	d Level 4 Co	over Type	S	Size De		Acres 3	Stand Age B.		Managed S		General Comments
92		- Aspen			er Well		•	81-110	N/A		Cut in 1975. 10' to 20' sq ft of scattered mature hardwood left when star
-	Canopy Species	% Cover			I Age		opy Species	Density	Avg. Height	Size	was cut. Well stocked aspen stand with mixed hardwoods. Harvest
	Sugar Maple	10	Log	14	, Age		Maple	Medium	Variable	Sapling	adjacent small M9 stand to the NW to promote aspen regeneration in th stand. Scattered wet pockets at SE corner of stand.
	Red Maple	20	Log/Pole	10			n (spp.)	Medium	Variable	Sapling	
	Quaking Aspen	20	Log/Pole	10	46		(spp.)	Low	Variable	Sapling	
	Bigtooth Aspen	50	Log/Pole	11	46	C an	(0001)	2011	, and bro	eaping	
93	6220 - A	lder/willow		Nonsto	ocked	38.9			No		Popple Creek floodplain stand. Tag alder and willow surround the edge There are signs of beaver activity in the western portion of stand.
94	6117 - Lowland I Coni	Deciduous, iferous	, Mixed Po	oletimt	er Well	22.7	45	81-110	N/A		Wet mucky soils. Beaver activity down along Popple Creek. Evidence of patch habitat cuts within stand in the 70's.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	35	Pole	7	45	Red	Maple	Medium	Variable	Sapling	
	Bigtooth Aspen	35	Pole	6	45	Bals	am Fir	Medium	Variable	Sapling	
	Balsam Fir	15	Sapling/Pole	5		Тад	g Alder	Medium	5 - 10 feet	Tall Shrub	
No	orthern White Cedar	15	Pole	6		Ash	(spp.)	Medium	Variable	Sapling	
							( )				
05	42111 - Planted	Red Pine	Mixed Pr	oletimt	or Woll		en (spp.)	Medium	Variable	Sapling	Records indicate red nine planted in 1960. Lots of bardwood mixed in -
95		duous			er Well	12.6	61	171-200	N/A		Records indicate red pine planted in 1960. Lots of hardwood mixed in - smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned.
95	Deci Canopy Species	duous	Mixed Po Size Class		er Well I Age	12.6 Sub-Can	( 11 /			Sapling Size Sapling	smaller stand with irregular rows and pockets of hardwood. Very high
95	Deci	iduous % Cover	Size Class	DBH		12.6 Sub-Can Red	61 opy Species	171-200 Density	N/A Avg. Height	Size Sapling	smaller stand with irregular rows and pockets of hardwood. Very high
95	Deci Canopy Species Sugar Maple	duous % Cover 2	Size Class Log/Pole	<b>DBH</b> 11		12.6 Sub-Can Red Bigtoo	61 opy Species Maple	171-200 Density Medium	N/A Avg. Height Variable	Size Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high
95	Deci Canopy Species Sugar Maple Red Maple	duous       % Cover       2       5	Size Class Log/Pole Pole Log	<b>DBH</b> 11 8		12.6 Sub-Can Red Bigtoo	61 opy Species Maple th Aspen	171-200 Density Medium Medium	N/A Avg. Height Variable Variable	Size Sapling	smaller stand with irregular rows and pockets of hardwood. Very high
95	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen	duous           % Cover           2           5           10	Size Class Log/Pole Pole	<b>DBH</b> 11 8 11	I Age	12.6 Sub-Can Red Bigtoo	61 opy Species Maple th Aspen	171-200 Density Medium Medium	N/A Avg. Height Variable Variable	Size Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high
	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine	Aduous           % Cover           2           5           10           80           3	Size Class Log/Pole Pole Log Log/Pole Log/Pole	DBH       11       8       11       10	I Age	12.6 Sub-Can Red Bigtoo	61 opy Species Maple th Aspen d Oak	171-200 Density Medium Medium	N/A Avg. Height Variable Variable	Size Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter
	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak	Aduous           % Cover           2           5           10           80           3	Size Class Log/Pole Pole Log Log/Pole ine Pole	DBH 11 8 11 10 10 0letimb	61 <b>Age</b>	12.6 Sub-Can Red Bigtoo Red 21.4	61 opy Species Maple th Aspen d Oak	171-200 Density Medium Medium Low	N/A Avg. Height Variable Variable Variable	Size Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or
	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak 42210 - Nat	Kover           2           5           10           80           3	Size Class Log/Pole Pole Log Log/Pole ine Pole	DBH 11 8 11 10 10 0letimb	61 61 ber Well	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can	61 opy Species Maple th Aspen d Oak 54	171-200 Density Medium Medium Low 111-140	N/A Avg. Height Variable Variable Variable	Size Sapling Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter
	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak 42210 - Nat Canopy Species	Very Cover Cover Cover Cover Cover Cover Cover	Size Class Log/Pole Pole Log Log/Pole Log/Pole ine Pole Size Class	DBH 11 8 11 10 10 0letimk	61 61 ber Well	12.6 Sub-Can Red Bigtoo Red 21.4 21.4 Sub-Can Red	61 opy Species Maple th Aspen d Oak 54 opy Species	171-200 Density Medium Low 111-140 Density	N/A Avg. Height Variable Variable Variable N/A Avg. Height	Size Sapling Sapling Sapling Size	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or
	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak 42210 - Nat Canopy Species Red Maple	Action         Action<	Size Class Log/Pole Log Log/Pole Log/Pole ine Pole Size Class Sapling/Pole	DBH 11 8 11 10 10 0letimb DBH 4	61 61 ber Well	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can Red Bigtoo	61 opy Species Maple th Aspen d Oak 54 opy Species Maple	171-200 Density Medium Low 111-140 Density Low	N/A Avg. Height Variable Variable Variable N/A Avg. Height >20 feet	Size Sapling Sapling Sapling Size Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or
96	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak 42210 - Nat Canopy Species Red Maple Red Pine	A Cover       2       5       10       80       3       ural Red P       % Cover       10       87	Size Class Log/Pole Pole Log/Pole Log/Pole ine Pole Size Class Sapling/Pole Log/Pole	DBH         11         8         11         10         10         10         10         0letimk         DBH         4         14	61 61 ber Well	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can Red Bigtoo Black/Red	61 opy Species Maple th Aspen d Oak 54 opy Species Maple th Aspen	171-200 Density Medium Low 111-140 Density Low Low	N/A Avg. Height Variable Variable Variable N/A Avg. Height >20 feet 10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or
96	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine A2210 - Nat A2210 - Nat Canopy Species Red Maple Red Pine White Pine	Addition         Addition	Size Class Log/Pole Pole Log/Pole Log/Pole ine Pole Size Class Sapling/Pole Log/Pole Log/Pole Log/Pole	DBH       11       8       11       10       10       0letimb       DBH       4       14       16	61 61 ber Well	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can Red Bigtoo Black/Red Suga	61 opy Species Maple th Aspen d Oak 54 opy Species Maple th Aspen (Hybrid) Oak	171-200 Density Medium Low 111-140 Density Low Low Low Low	N/A Avg. Height Variable Variable Variable N/A Avg. Height >20 feet 10 - 20 feet 5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or
<b>96</b>	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine A2210 - Nat A2210 - Nat Canopy Species Red Maple Red Pine White Pine	Advous       X     Cover       2     5       10     80       3     3       Ural Red P       X     Cover       10     87       1     2	Size Class Log/Pole Pole Log Log/Pole Log/Pole ine Pole Size Class Sapling/Pole Log/Pole Log Pole/Log	DBH       11       8       11       10       10       10       0letimk       DBH       4       14       16       8	61 61 ber Well	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can Red Bigtoo Black/Red Suga	61 opy Species Maple th Aspen d Oak 54 opy Species Maple th Aspen (Hybrid) Oak ar Maple eech	171-200 Density Medium Medium Low 111-140 Density Low Low Low Low Low	N/A Avg. Height Variable Variable Variable N/A Avg. Height >20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or dieing. (Old homested area) Red pine plantation - very uniform stand - strait rows has good loggabil
<b>96</b>	Deci Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak 42210 - Nat 42210 - Nat Canopy Species Red Maple Red Pine White Pine ck/Red (Hybrid) Oak	A Cover       2       5       10       80       3       ural Red P       % Cover       10       87       11       2	Size Class Log/Pole Pole Log Log/Pole Log/Pole ine Pole Size Class Sapling/Pole Log/Pole Log Pole/Log	DBH       11       8       11       10       10       10       0letimk       DBH       4       14       16       8	61 61 ber Well <b>1 Age</b> 54	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can Red Bigtoo Black/Red Suga Black/Red Suga	61 opy Species Maple th Aspen d Oak 54 opy Species Maple th Aspen (Hybrid) Oak ur Maple eech	TTT-200 Density Medium Medium Low TTT-140 Density Low Low Low Low Low Medium	N/A Avg. Height Variable Variable Variable N/A Avg. Height >20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or dieing. (Old homested area) Red pine plantation - very uniform stand - strait rows has good loggabi First time third row thinned in 1995. Scattered mixed hardwood, apple
<b>96</b>	Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak 42210 - Nat 42210 - Nat Canopy Species Red Maple Red Pine White Pine ck/Red (Hybrid) Oak	A Cover       2       5       10       80       3       ural Red P       % Cover       10       87       11       2	Size Class Log/Pole Pole Log/Pole Log/Pole ine Pole Size Class Sapling/Pole Log/Pole Log/Pole Log/Pole Sapling/Pole	DBH       11       8       11       10       10       10       0letimk       DBH       4       14       16       8	Age 61 ber Well 54 54 eer Well	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can Bigtoo Black/Red Suga Black/Red Suga Black/Red Suga	61 opy Species Maple th Aspen d Oak 54 opy Species Maple th Aspen (Hybrid) Oak ar Maple eech 52	171-200 Density Medium Medium Low 111-140 Density Low Low Low Low Medium 111-140	N/A Avg. Height Variable Variable Variable N/A Avg. Height >20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or dieing. (Old homested area) Red pine plantation - very uniform stand - strait rows has good loggabil First time third row thinned in 1995. Scattered mixed hardwood, apple trees and small grassy openings within stand. Scattered areas of red maple in understory. 02/2016 Gallagher, thinned 8/2014 Cornwell Harv
96 Bla 97	Canopy Species Sugar Maple Red Maple Bigtooth Aspen Red Pine Red Oak 42210 - Nat 42210 - Nat Canopy Species Red Maple Red Pine White Pine ck/Red (Hybrid) Oak 42110 - Plar	A Cover       2       5       10       80       3       ural Red P       % Cover       10       87       1       2	Size Class Log/Pole Pole Log/Pole Log/Pole Cog/Pole Size Class Sapling/Pole Log/Pole Log Pole/Log Size Class Size Class	DBH 11 8 11 10 10 0letimb 0BH 4 16 8 awtimb	61 61 ber Well <b>1 Age</b> 54 er Well	12.6 Sub-Can Red Bigtoo Red 21.4 Sub-Can Black/Red Suga Black/Red Suga Black/Red Suga Black/Red Suga Black/Red	61 opy Species Maple th Aspen d Oak 54 opy Species Maple th Aspen (Hybrid) Oak ur Maple eech 52 opy Species	171-200 Density Medium Medium Low 111-140 Density Low Low Low Low Medium 111-140 Density	N/A Avg. Height Variable Variable Variable N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	smaller stand with irregular rows and pockets of hardwood. Very high basal area. Stand needs thinned. Semi open red pine stand. Red pine varies in DBH. Apple trees scatter through-out & are flagged. Good majority of apple trees are dead or dieing. (Old homested area) Red pine plantation - very uniform stand - strait rows has good loggabil First time third row thinned in 1995. Scattered mixed hardwood, apple trees and small grassy openings within stand. Scattered areas of red



											121
stand	d Level 4 Co	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
98	4199 - Other Mixed	d Upland D	Deciduous I	Poletimb	er Well	7.0	101	81-110	N/A		Long narrow stand between managed red pine stand and managed
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen stand. 30' to 40' sq ft of very large wolfy beech, red oak and hard maple with understory of beech, hard maple and red oak that is reaching
	Red Maple	20	Log/Pole	14		Re	d Maple	Medium	>20 feet	Sapling	pole size. More aspen is located in the northern half of stand.
	Beech	30	XLog/Log	18	101	E	Beech	Medium	10 - 20 feet	Sapling	
	Red Oak	15	Log/Pole	14		R	ed Oak	Low	< 5 feet	Sapling	
	Red Pine	10	Log/Pole	10		Re	ed Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	20	Pole/Log	9		Irc	onwood	Medium	5 - 10 feet	Sapling	
	Sugar Maple	5	XLog/Log	18							
99	4139 - Aspen, I	Mixed Dec	iduous Po	oletimbe	r Mediur	m 5.0	46 L	Inspecified	N/A		Narrow strip of wet ground timber along county road. Manage with
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	adjacent stands 91 or 94.
	Red Maple	38	Log/Pole	10	46	Re	d Maple	Medium	Variable	Sapling	
	Bigtooth Aspen	49	Log/Pole	11	46	Та	ag Alder	Low	Variable	Tall Shrub	2
	Northern Pin Oak	10	Log/Pole	10		Bigto	oth Aspen	Medium	Variable	Sapling	
	White Pine	3	Log	14		Northe	ern Pin Oak	Low	Variable	Sapling	
	Canopy Species	duous % Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	wildlife
	Paper Birch	5	Pole	7			d Maple	Medium	Variable	Sapling	
	Paper Birch Bigtooth Aspen	5 5	Pole Pole			Re					
				7		Re Ba	d Maple	Medium	Variable	Sapling	- - - -
No	Bigtooth Aspen	5	Pole	7	114	Re Ba Ta	d Maple Isam Fir	Medium Medium	Variable Variable	Sapling Sapling	
Nc	Bigtooth Aspen Balsam Fir	5 30	Pole Pole	7 7 7		Re Ba Ta	d Maple Isam Fir ag Alder	Medium Medium Low	Variable Variable Variable	Sapling Sapling Tall Shrub	
	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash	5 30 40	Pole Pole Pole	7 7 7 7 7	114	Re Ba Ta	d Maple Isam Fir ag Alder h (spp.)	Medium Medium Low	Variable Variable Variable	Sapling Sapling Tall Shrub	Stand had selective clearcut in 1963. Very good growth and quality.
	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash	5 30 40 20	Pole Pole Pole Pole	7 7 7 7 7 7 8 8	114	Re Ba Ta As	d Maple Isam Fir ag Alder h (spp.)	Medium Medium Low Medium	Variable Variable Variable Variable	Sapling Sapling Tall Shrub	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested
	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130	5 30 40 20 - Aspen	Pole Pole Pole Pole	7 7 7 7 7 7 8 8	114 g Well	Re Ba Ta As	d Maple Isam Fir ag Alder h (spp.)	Medium Medium Low Medium	Variable Variable Variable Variable	Sapling Sapling Tall Shrub	Stand had selective clearcut in 1963. Very good growth and quality.
	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 Canopy Species	5 30 40 20 - Aspen % Cover	Pole Pole Pole Pole	7 7 7 7 7 7 5 8 9 10 9	114 g Well	Re Ba Ta As	d Maple Isam Fir ag Alder h (spp.)	Medium Medium Low Medium	Variable Variable Variable Variable	Sapling Sapling Tall Shrub	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from
	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 Canopy Species Red Maple	5 30 40 20 - Aspen <b>% Cover</b> 20	Pole Pole Pole Pole Size Class Sapling	7 7 7 7 5 8 9 0 8 0 8 1	114 9 Well 1 Age 7	Re Ba Ta As	d Maple Isam Fir ag Alder h (spp.)	Medium Medium Low Medium	Variable Variable Variable Variable	Sapling Sapling Tall Shrub	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher,
101	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 - Canopy Species Red Maple Bigtooth Aspen Beech	5       30       40       20       - Aspen       20       20       65       15	Pole Pole Pole Pole Sapling Sapling Sapling	7 7 7 7 Sapling <b>DBH</b> 1 2	114 9 Well 1 Age 7 7 7	Re Ba Ta As	d Maple Isam Fir ag Alder h (spp.)	Medium Medium Low Medium	Variable Variable Variable Variable	Sapling Sapling Tall Shrub	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from harvest is now dead or dieing. Labeled as forested stand. Has large bog in center of stand. Diverse
101	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 - Canopy Species Red Maple Bigtooth Aspen Beech	5       30       40       20       - Aspen       % Cover       20       65       15	Pole Pole Pole Pole Sapling Sapling Sapling	7 7 7 7 8apling DBH 1 2 1 8awtimb	114 9 Well 1 Age 7 7 7	Re Ba Ta As 70.8	d Maple Isam Fir ag Alder h (spp.) 7	Medium Medium Low Medium	Variable Variable Variable Variable N/A	Sapling Sapling Tall Shrub	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from harvest is now dead or dieing.
101	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 Canopy Species Red Maple Bigtooth Aspen Beech 429 - Mixed U	5       30       40       20       - Aspen       % Cover       20       65       15	Pole Pole Pole Pole Size Class Sapling Sapling Sapling	7 7 7 7 8apling DBH 1 2 1 8awtimb	114 9 Well 1 Age 7 7 7 er Poor	Re Ba Ta As 70.8 5.7 5.7 Sub-Ca	d Maple Isam Fir ag Alder h (spp.) 7 7	Medium Medium Low Medium	Variable Variable Variable Variable N/A	Sapling Sapling Tall Shrub Sapling	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from harvest is now dead or dieing. Labeled as forested stand. Has large bog in center of stand. Diverse
101	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 Canopy Species Red Maple Bigtooth Aspen Beech 429 - Mixed L Canopy Species	5 30 40 20 - Aspen 20 65 15 Jpland Cor <b>% Cover</b>	Pole Pole Pole Pole Size Class Sapling Sapling Sapling Sapling	7 7 7 7 8apling DBH 1 2 1 2 1 8awtimb	114 9 Well 1 Age 7 7 7 er Poor	Re Ba Ta As 70.8 5.7 5.7 Sub-Ca	d Maple Isam Fir ag Alder h (spp.) 7 7 61 61 nopy Species	Medium Medium Low Medium Immature	Variable Variable Variable N/A N/A Avg. Height	Sapling Sapling Tall Shrub Sapling	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from harvest is now dead or dieing. Labeled as forested stand. Has large bog in center of stand. Diverse
101	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 Canopy Species Red Maple Bigtooth Aspen Beech 429 - Mixed L Canopy Species Hemlock	5       30       40       20       Aspen       20       65       15	Pole Pole Pole Pole Size Class Sapling Sapling Sapling Sapling	7 7 7 7 8apling <b>DBH</b> 1 2 1 8awtimb <b>DBH</b> 16	114 9 Well 1 Age 7 7 7 er Poor	Re Ba Ta As 70.8 5.7 5.7 Sub-Ca E Wh	d Maple Isam Fir ag Alder h (spp.) 7 7 61 61 nopy Species Beech	Medium Medium Low Medium Immature	Variable Variable Variable N/A N/A Avg. Height Variable	Sapling Sapling Tall Shrub Sapling	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from harvest is now dead or dieing. Labeled as forested stand. Has large bog in center of stand. Diverse
101	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 - Canopy Species Red Maple Bigtooth Aspen Beech 429 - Mixed L Canopy Species Hemlock Red Pine	5       30       40       20       - Aspen       20       65       15       Jpland Corr       % Cover       20       5	Pole Pole Pole Pole Size Class Sapling Sapling Sapling Sapling Sapling Log	7 7 7 7 8apling <b>DBH</b> 1 2 1 8awtimb <b>DBH</b> 16 16	114 9 Well 1 Age 7 7 7 er Poor	Re Ba Ta As 70.8 5.7 5.7 Sub-Ca E Wh	d Maple Isam Fir ag Alder h (spp.) 7 61 61 nopy Species Beech hite Pine	Medium Medium Low Medium Immature	Variable Variable Variable Variable N/A N/A Avg. Height Variable 5 - 10 feet	Sapling Sapling Tall Shrub Sapling Sapling Sapling Sapling	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from harvest is now dead or dieing. Labeled as forested stand. Has large bog in center of stand. Diverse
Nc 101 102	Bigtooth Aspen Balsam Fir orthern White Cedar Black Ash 4130 - Canopy Species Red Maple Bigtooth Aspen Beech 429 - Mixed L Canopy Species Hemlock Red Pine Beech	5       30       40       20       - Aspen       20       65       15       Jpland Corr       20       20       5       5       5	Pole Pole Pole Pole Size Class Sapling Sapling Sapling Size Class Sapling Log Log	7       7       7       7       7       7       8apling       DBH       1       2       1       2       1       2       1       2       1       2       1       2       1   <	114 9 Well 1 Age 7 7 7 er Poor	Re Ba Ta As 70.8 5.7 5.7 Sub-Ca E Wh	d Maple Isam Fir ag Alder h (spp.) 7 61 61 nopy Species Beech hite Pine	Medium Medium Low Medium Immature	Variable Variable Variable Variable N/A N/A Avg. Height Variable 5 - 10 feet	Sapling Sapling Tall Shrub Sapling Sapling Sapling Sapling	Stand had selective clearcut in 1963. Very good growth and quality. Scattered northern hardwood species left whan stand was harvested in1963. Scattered hemlock, hard maple and ash. 02/2016 Gallagher, Clear-cut 06/2014 Cornwell Harvest 73-001-13-01. Stand coming back great to aspen. Mixed maple and beech whips. Canopy beech left from harvest is now dead or dieing. Labeled as forested stand. Has large bog in center of stand. Diverse

# Report 7 – Stands



DNE

Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
104	4112 - Maple, Asso	Beech, Ch	erry	Sawtimb	er Well	27.8	101	81-110	N/A		Uneven aged beech stand. Selection harvest in 1995. Very dense beech understory with ironwood would make stand very difficult to recruit
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	5 Density	Avg. Height	Size	desirable regen. Scattered hemlock, aspen and ash. Ash is now dead, with beech following. Very few pine in the north. Most of the aspen is
	Sugar Maple	5	XLog/Log	18			Beech	Full	Variable	Sapling	located in the south. Stand would be difficult to mark in the summer due
	Red Maple	5	Log	14		Ir	onwood	Medium	Variable	Sapling	to the dense beech understory. Average BA/AC is 95 sq ft
	Beech	73	Log	14	101	Re	ed Maple	Low	>20 feet	Pole	
	Red Oak	10	XLog/Log	18				1 1			-
	Bigtooth Aspen	5	Log/Pole	10							
105	3102	- Grass		Nonsto	ocked	3.9	ι	Jnspecified	No		Grassy opening with scattered trees. Access road for the majority of the eastern stands is through this opening.
106	42140 - Plan	ted Mixed F	Pine	Sawtimb	er Well	6.7	65	141-170	N/A		All the strips have mixed species. No ryme or reason to the way the tree
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	are planted. Spacing is wide - never been thinned before. More oak and jack pine is mixed in the center of the stand & southern portion. Stand is
	White Pine	50	Log/Pole	13	65	Re	ed Maple	Low	Variable	Sapling	between old Amble School and the Township Hall and is along county
	Red Pine	32	Log/Pole	13	65		Beech	High	10 - 20 feet	Sapling	road. Autumn olive planted around edges.
	Jack Pine	15	Pole	9	65	W	hite Pine	Medium	5 - 10 feet	Sapling	
Blac	ck/Red (Hybrid) Oak	3	Pole	7		Black/Re	ed (Hybrid) Oal	k Low	Variable	Sapling	
						R	ed Pine	Low	>20 feet	Sapling	
						Ba	alsam Fir	Trace	< 5 feet	Sapling	
107	4131 - A	spen, Oak		Poletimb	er Well	58.1	50	81-110	N/A		Clearcut 1971. Corners are in for blue line work (1/2 mile apart). Severe wind throw in parts of stand. Oak is mostly stump sprout origin & pole
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	sized. Aspen is pole to log size depending on parts of stand.
	Bigtooth Aspen	65	Pole/Log	8	50	Bigto	ooth Aspen	Full	Variable	Sapling	Recommend harvest due to wind throw and aspen age.
	Red Maple	15	Pole	6	50	Re	ed Maple	Medium	Variable	Sapling	
Ν	Northern Pin Oak	15	Pole/Log	9		Wit	tch Hazel	Medium	5 - 10 feet	Tall Shrub	
	White Oak	5	Pole	8		North	ern Pin Oak	Low	5 - 10 feet	Sapling	
108	4125 - Blac	,		Sapling		11.2	14	Immature	N/A		Clear cut 2007. White and red pine left in the overstory. Stand has dens oak regeneration.
	Canopy Species		Size Class		Age						
	Red Maple	10	Sapling	2	13						
	Quaking Aspen	10	Sapling	2	13						
Ν	Northern Pin Oak	70	Sapling	2	14						
	White Pine	3	Pole	6	45						
	Red Pine	7	Pole	6	45						

#### Report 7 – Stands



NR

				Cine Density						Company Company on to
Stand	d Level 4 C	Cover Type		Size Density	Acres	Stand Age	BA Range	Managed S	Site	General Comments
109	4130	) - Aspen		Sapling Well	20.4	29	Immature	N/A		Clear cut 1992. Fully stocked aspen stand.
	Canopy Species	% Cover	Size Class	DBH Age						
	Red Maple	6	Sapling	3 28						
	Quaking Aspen	80	Sapling	3 29						
1	Northern Pin Oak	10	Sapling	3 28						
	White Pine	2	Pole	9 45						
	Red Pine	2	Pole	9 45						
110	330 - Low-	Density Tree	es	Nonstocked	17.9	0		414 - Other l Deciduo		Final harvest 2013. Stand updated January 2021 during inventory. Sta is fully stocked with aspen, red maple and oak. More oak regen around the SE edge of stand.
111	4130	) - Aspen		Sapling Well	11.1	16	Immature	N/A		Clear cut 2005. Fully stocked aspen stand with oak recruiting.
	Canopy Species	% Cover	Size Class	DBH Age						
	Red Maple	10	Sapling	2 15						
	White Oak	5	Sapling	2 15						
	Bigtooth Aspen	75	Sapling	3 16						
1	Bigtooth Aspen Northern Pin Oak	75 10								
י 112	Northern Pin Oak		Sapling Sapling	3 16	5.0	61	171-200	N/A		Small narrow stand, snowmobile trail bi-sects stand. Stand needs
	Northern Pin Oak 42110 - Pla Canopy Species	10 anted Red Pi % Cover	Sapling Sapling ine Size Class	3     16       2     15       Sawtimber Well       DBH Age	Sub-Ca	nopy Species		N/A Avg. Height	Size	thinned, most red pine is log sized. Some oak is starting to recruit in understory.
	Northern Pin Oak 42110 - Pla Canopy Species Red Pine	anted Red Pi % Cover 97	Sapling Sapling ine Size Class Log/Pole	3         16           2         15           Sawtimber Well           DBH         Age           13         61	Sub-Car Wite	n <b>opy Species</b> ch Hazel	Density Medium	Avg. Height 5 - 10 feet	Tall Shrub	thinned, most red pine is log sized. Some oak is starting to recruit in understory.
	Northern Pin Oak 42110 - Pla Canopy Species	10 anted Red Pi % Cover	Sapling Sapling ine Size Class	3     16       2     15       Sawtimber Well       DBH Age	Sub-Car Wite Northe	n <b>opy Species</b> ch Hazel ern Pin Oak	<b>Density</b> Medium Medium	<b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.
	Northern Pin Oak 42110 - Pla Canopy Species Red Pine	anted Red Pi % Cover 97	Sapling Sapling ine Size Class Log/Pole	3         16           2         15           Sawtimber Well           DBH         Age           13         61	Sub-Car Wite Northe	n <b>opy Species</b> ch Hazel	Density Medium	Avg. Height 5 - 10 feet	Tall Shrub	thinned, most red pine is log sized. Some oak is starting to recruit in understory.
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen	anted Red Pi % Cover 97 3	Sapling Sapling ine Size Class Log/Pole Pole	3         16           2         15           Sawtimber Well           DBH         Age           13         61	Sub-Car Wite Northe Bigto	n <b>opy Species</b> ch Hazel ern Pin Oak	<b>Density</b> Medium Medium	<b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory. Shelterwood harvest 2005, all aspen, maple and marked oak removed
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen	10 anted Red Pi % Cover 97 3 Black, N. Pin	Sapling Sapling ine Size Class Log/Pole Pole	3         16           2         15           Sawtimber Well           DBH Age           13         61           8	Sub-Car Wite Northe Bigto n 5.7	nopy Species ch Hazel ern Pin Oak oth Aspen	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> </ul>	Avg. Height 5 - 10 feet 5 - 10 feet >20 feet	Tall Shrub Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory. Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand
112	Northern Pin Oak 42110 - Pla <b>Canopy Species</b> Red Pine Bigtooth Aspen 4126 - White,	10 anted Red Pi % Cover 97 3 Black, N. Pin	Sapling Sapling ine Size Class Log/Pole Pole n Oak Sa	3     16       2     15   Sawtimber Well       DBH Age       13     61       8	Sub-Car Wite Northe Bigto n 5.7 Sub-Car	nopy Species ch Hazel ern Pin Oak oth Aspen 104	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> </ul>	Avg. Height 5 - 10 feet 5 - 10 feet >20 feet N/A	Tall Shrub Sapling Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed         Long narrow stand between clear cuts, snowmobile trail bi-sects stand         Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species	10 anted Red Pi % Cover 97 3 Black, N. Pin % Cover	Sapling Sapling ine Size Class Log/Pole Pole n Oak Sa Size Class	3     16       2     15       Sawtimber Well       DBH Age       13       8       wtimber Mediur       DBH Age       DBH Age	Sub-Cai Wite Northe Bigto m 5.7 Sub-Cai Wh	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> <li>51-80</li> <li>Density</li> </ul>	Avg. Height           5 - 10 feet           5 - 10 feet           >20 feet           N/A           Avg. Height	Tall Shrub Sapling Sapling Size	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species Red Oak	anted Red Pi % Cover 97 3 Black, N. Pin % Cover 10	Sapling Sapling ine Size Class Log/Pole Pole n Oak Sa Size Class Log	3       16         2       15         Sawtimber Well         DBH Age         13       61         8	Sub-Car Wite Northe Bigto n 5.7 Sub-Car Wh Re	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species hite Pine	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> <li>51-80</li> <li>Density</li> <li>Low</li> </ul>	Avg. Height           5 - 10 feet           5 - 10 feet           >20 feet           N/A           Avg. Height           5 - 10 feet	Tall Shrub Sapling Sapling Size Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good condition.
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species Red Oak White Oak	10       anted Red Pi       % Cover       97       3       Black, N. Pin       % Cover       10       50	Sapling Sapling Size Class Log/Pole Pole n Oak Sa Size Class Log Log	3       16         2       15         Sawtimber Well         DBH Age         13       61         8	Sub-Caa Wite Northe Bigto n 5.7 Sub-Caa Wh Re Wite	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species hite Pine ed Pine	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> </ul> 51-80 5 Density <ul> <li>Low</li> <li>Low</li> </ul>	Avg. Height 5 - 10 feet > 20 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling Size Sapling Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good condition.
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species Red Oak White Oak Northern Pin Oak	10       anted Red Pi       % Cover       97       3       Black, N. Pin       % Cover       10       50       35	Sapling Sapling Size Class Log/Pole Pole n Oak Sa Size Class Log Log Log	3       16         2       15         Sawtimber Well         DBH Age         13       61         8	Sub-Cai Witi Northe Bigto n 5.7 Sub-Cai Wh Re Witi	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species nite Pine ed Pine ch Hazel	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> </ul> 51-80 <ul> <li>Density</li> <li>Low</li> <li>Low</li> <li>Low</li> <li>Low</li> </ul>	Avg. Height 5 - 10 feet >20 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling Size Sapling Sapling Tall Shrub	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good condition.
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species Red Oak White Oak Northern Pin Oak Red Pine	10       anted Red Pi       97       97       3       Black, N. Pin <b>% Cover</b> 10       50       35       5	Sapling Sapling Size Class Log/Pole Pole n Oak Sa Size Class Log Log Log Log	3       16         2       15         Sawtimber Well         DBH Age         13       61         8	Sub-Cai Witi Northe Bigto n 5.7 Sub-Cai Wh Re Witi	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species nite Pine ed Pine ch Hazel d Maple	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> </ul> 51-80 <ul> <li>Density</li> <li>Low</li> <li>Low</li> <li>Low</li> <li>Medium</li> </ul>	Avg. Height 5 - 10 feet 5 - 10 feet >20 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Tall Shrub Sapling Sapling Size Sapling Sapling Tall Shrub Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good condition.         Scrub oak, cherry and aspen in islands. Mostly trails running through
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species Red Oak White Oak Northern Pin Oak Red Pine	10       anted Red Pi       97       97       3       Black, N. Pin <b>% Cover</b> 10       50       35       5	Sapling Sapling Size Class Log/Pole Pole n Oak Sa Size Class Log Log Log Log	3       16         2       15         Sawtimber Well         DBH Age         13       61         8	Sub-Cai Wite Northe Bigto n 5.7 Sub-Cai Wr Re Wite Re Northe 3.6	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species nite Pine ed Pine ch Hazel d Maple	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> <li>51-80</li> <li>Density</li> <li>Low</li> <li>Low</li> <li>Low</li> <li>Medium</li> <li>Medium</li> </ul>	Avg. Height 5 - 10 feet 5 - 10 feet >20 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet	Tall Shrub Sapling Sapling Size Sapling Sapling Tall Shrub Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good condition.
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species Red Oak White Oak Northern Pin Oak Red Pine	10       anted Red Pi       97       97       3       Black, N. Pin <b>% Cover</b> 10       50       35       5	Sapling Sapling Size Class Log/Pole Pole n Oak Sa Size Class Log Log Log Log	3       16         2       15         Sawtimber Well         DBH Age         13       61         8	Sub-Cai Witi Northe Bigto n 5.7 Sub-Cai Wr Re Witi Re Northe 3.6 Sub-Cai	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species hite Pine ed Pine ch Hazel d Maple ern Pin Oak	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> <li>51-80</li> <li>Density</li> <li>Low</li> <li>Low</li> <li>Low</li> <li>Medium</li> <li>Medium</li> </ul>	Avg. Height 5 - 10 feet 5 - 10 feet >20 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling Size Sapling Sapling Tall Shrub Sapling Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good condition.         Scrub oak, cherry and aspen in islands. Mostly trails running through
112	Northern Pin Oak 42110 - Pla Canopy Species Red Pine Bigtooth Aspen 4126 - White, Canopy Species Red Oak White Oak Northern Pin Oak Red Pine	10       anted Red Pi       97       97       3       Black, N. Pin <b>% Cover</b> 10       50       35       5	Sapling Sapling Size Class Log/Pole Pole n Oak Sa Size Class Log Log Log Log	3       16         2       15         Sawtimber Well         DBH Age         13       61         8	Sub-Cai Wite Northe Bigto n 5.7 Sub-Cai Wite Re Northe 3.6 Sub-Cai Northe	nopy Species ch Hazel ern Pin Oak oth Aspen 104 nopy Species nite Pine ed Pine ch Hazel d Maple ern Pin Oak	<ul> <li>Density</li> <li>Medium</li> <li>Medium</li> <li>Low</li> </ul> 51-80 <ul> <li>Density</li> <li>Low</li> <li>Low</li> <li>Medium</li> <li>Medium</li> </ul>	Avg. Height 5 - 10 feet 5 - 10 feet >20 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet No Avg. Height	Tall Shrub Sapling Sapling Size Sapling Sapling Tall Shrub Sapling Sapling Sapling	thinned, most red pine is log sized. Some oak is starting to recruit in understory.         Shelterwood harvest 2005, all aspen, maple and marked oak removed Long narrow stand between clear cuts, snowmobile trail bi-sects stand Maple and oak stump sprouts are all over, understory is a result of the harvest. Basal area is still high in parts of stand. Oak is still in good condition.         Scrub oak, cherry and aspen in islands. Mostly trails running through

# Report 7 – Stands



IN DNR

Stand	Level 4 C	over Type		Size De	ncity	Acres	Stand Age				General Comments
115		- Aspen		Sapling	,	7.1	16	Immature	Managed S		Clear cut 2005. Fully stocked aspen stand with a small component of oal
	opy Species		Size Class		I Age	7.1	10	minatore			and red maple.
	d Maple	15	Sapling	1	15						
	nite Oak	5	Sapling	1	15						
	ing Aspen	30	Sapling	1	15						
	oth Aspen	45	Sapling	1	16						
-	ern Pin Oak	5	Sapling	1	15						
116	4130	- Aspen		Sapling	a Well	9.5	29	Immature	N/A		Clear cut 1992.
-	opy Species		Size Class		Age		nopy Speci		Avg. Height	Size	
	d Maple	5	Pole	5	28		tch Hazel	Low	5 - 10 feet	Tall Shrub	
	ing Aspen	85	Sapling	4	29			2011	5 101000	. an ornub	
	ern Pin Oak	5	Sapling	4	28						
	ed Pine	5	Pole/Log	9	45						
	3303 - Mixed L	ow Density	Trees	Nonsto		19.4	0	Unspecified	4319 - Mixed Upl	and Forest	of oak, red maple, aspen and white pine. Leave scattered red pine and
117 <sup>33</sup>					ocked	20.1	_		·	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines.
117 <sup>33</sup> 119	4131 - A	Aspen, Oak		Saplinç	ocked g Well	-	0 16	Unspecified	4319 - Mixed Upl	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 <sup>33</sup> 119 Canop			Size Class	Saplinç DBF	ocked g Well I Age	-	_		·	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and
117 3: 117 119 Canop Red	4131 - A <b>opy Species</b>	Aspen, Oak <b>% Cover</b>	Size Class Sapling	Saplinç	ocked g Well I Age 15	-	_		·	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 33 117 33 119 Canop Red Whit	4131 - A <b>opy Species</b> d Maple	spen, Oak % Cover 5	Size Class Sapling Sapling	Sapling DBH	ocked g Well I Age		_		·	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 33 119 Canop Red Whit Bigtoot	4131 - A <b>opy Species</b> d Maple iite Oak	spen, Oak	Size Class Sapling	Sapling DBH 2 3	ocked 9 Well 1 <b>Age</b> 15 30		_		·	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 3 119 Canop Red Whit Bigtoot Norther	4131 - A <b>opy Species</b> d Maple nite Oak oth Aspen	Aspen, Oak <b>% Cover</b> 5 5 71	Size Class Sapling Sapling Sapling	Sapling DBF 2 3 3	ocked 9 Well 1 <b>Age</b> 15 30 16		_		·	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 3 119 Canop Red Whit Bigtoot Northern Whit	4131 - A <b>opy Species</b> d Maple ite Oak oth Aspen ern Pin Oak	Aspen, Oak <b>% Cover</b> 5 5 71 15	Size Class Sapling Sapling Sapling Sapling	Sapling DBH 2 3 3 3 3	ocked 9 Well 1 <b>Age</b> 15 30 16		_			and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 3: 119 Canop Red Whit Bigtoot Norther Whit Norther	4131 - A <b>opy Species</b> d Maple hite Oak oth Aspen ern Pin Oak hite Oak	Aspen, Oak <b>% Cover</b> 5 5 71 15 2	Size Class Sapling Sapling Sapling Sapling Pole	Sapling DBH 2 3 3 3 3 3 3 7	ocked 9 Well 1 <b>Age</b> 15 30 16		_			and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 3 119 Canop Red Whit Bigtoot Northern Whit Northern	4131 - A <b>opy Species</b> d Maple ite Oak oth Aspen ern Pin Oak ite Oak ern Pin Oak ern Pin Oak ed Pine	Aspen, Oak <b>% Cover</b> 5 5 71 15 2 1	Size Class Sapling Sapling Sapling Sapling Sapling Pole Pole Pole	Sapling <b>DBH</b> 2 3 3 3 7 7 7 7 7	ocked 9 Well 1 <b>Age</b> 15 30 16	20.1	_			and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak
117 3 119 Canop Red Whit Bigtoot Northerr Whit Northerr Rec 120	4131 - A <b>opy Species</b> d Maple ite Oak oth Aspen ern Pin Oak ite Oak ern Pin Oak ern Pin Oak ed Pine	Aspen, Oak <b>% Cover</b> 5 5 71 15 2 1 1 1 1 1	Size Class Sapling Sapling Sapling Sapling Pole Pole Pole Pole	Sapling DBH 2 3 3 3 3 7 7 7 7 7 1 8	9 Well 15 30 16 30 16 30	20.1 n 10.7	16	Immature	N/A	and Forest	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak look like they were left at time of harvest. Overall a well stocked stand.
117 3 119 Canop Red Whit Bigtoot Northerr Whit Northerr Rec 120 Canop	4131 - A <b>opy Species</b> d Maple inite Oak oth Aspen irn Pin Oak inite Oak irn Pin Oak ed Pine 4130	Aspen, Oak <b>% Cover</b> 5 71 15 2 1 1 1 - Aspen	Size Class Sapling Sapling Sapling Sapling Pole Pole Pole Pole	Sapling DBH 2 3 3 3 7 7 7 letimbe DBH	y Well Age 15 30 16 30	20.1 n 10.7 <b>Sub-Ca</b>	16	Immature	N/A N/A		regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak look like they were left at time of harvest. Overall a well stocked stand. Clear cut 1992.
117 3 119 Canop Red Whit Bigtoot Northern Whit Northern Rec 120 Canop Red	4131 - A <b>opy Species</b> d Maple ite Oak oth Aspen ern Pin Oak ite Oak ern Pin Oak	Aspen, Oak <b>% Cover</b> 5 5 71 15 2 1 1 - Aspen <b>% Cover</b>	Size Class Sapling Sapling Sapling Sapling Pole Pole Pole Pole Pole	Sapling DBH 2 3 3 3 7 7 7 letimbe DBH 5	y Well Age 15 30 16 30 16 30 r Medium	20.1 n 10.7 <b>Sub-Ca</b>	16 29 <b>nopy Speci</b>	Immature Immature es Density	N/A N/A Avg. Height	Size	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak look like they were left at time of harvest. Overall a well stocked stand. Clear cut 1992.
117 33 117 33 119 Canop Red Whit Bigtoot Northern Whit Northern Rec 120 Canop Red Bigtoot	4131 - A opy Species d Maple hite Oak oth Aspen ern Pin Oak hite Oak ern Pin Oak ed Pine 4130 opy Species d Maple	Aspen, Oak <b>% Cover</b> 5 5 71 15 2 1 1 1 - Aspen <b>% Cover</b> 15	Size Class Sapling Sapling Sapling Pole Pole Pole Size Class Pole/Sapling	Sapling DBH 2 3 3 3 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1	2 Well 1 Age 15 30 16 28 16 16 16 18 18 18 18 18 18 18 18 18 18	20.1 n 10.7 <b>Sub-Ca</b>	16 29 <b>nopy Speci</b>	Immature Immature es Density	N/A N/A Avg. Height	Size	regeneration. Past treatment: Final harvest 4" spec. Manage for a mix of regeneration of oak, red maple, aspen and white pine. Leave scattered red pine and scattered islands of un-cut timber to meet retention guidelines. Clear cut 2005. Stand filled in well with aspen, maple and oak. red and white pine have seeded in. White oak poles and a few northern pin oak look like they were left at time of harvest. Overall a well stocked stand. Clear cut 1992.

#### Report 7 – Stands

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											fear of Entry: 2023
Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
121	4191 - Mixed Upla Co	and Deciduo onifer	ous with S	Sawtimbe	r Medium	5.0	48	51-80	N/A		Clear cut 1973. Stand should be managed with surrounding aspen stand Oak is showing mortality.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	25	Log/Pole	10	47	Wi	tch Hazel	Low	5 - 10 feet	Tall Shrub	
١	Iorthern Pin Oak	45	Log	14	48	North	ern Pin Oak	Medium	5 - 10 feet	Sapling	
	Red Pine	20	Log	10	47	Bigto	ooth Aspen	Low	>20 feet	Sapling	
	White Oak	5	Log	12							
	White Pine	5	Log/Pole	10							
122	4131 - A	Aspen, Oak		Poletim	oer Well	55.9	48	141-170	N/A		Clear cut 1973. Some pockets of aspen are ready for harvest. The oak $_{1}$ and maple is still pole sized. Overall the stand is healthy with minimal d
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	off in the aspen.
	Red Maple	20	Pole	7	47	Wi	tch Hazel	Low	5 - 10 feet	Tall Shrub	
	Red Oak	10	Pole/Log	8	47	W	hite Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	55	Pole/Log	8	48	W	hite Oak	Low	5 - 10 feet	Sapling	
١	Iorthern Pin Oak	10	Pole/Log	8	47						
	White Pine	2	Pole/Log	9	47						
	Black Cherry	3	Pole	5							
123	4131 - A	Aspen, Oak		Poletim	oer Well	24.3	37	81-110	N/A		Clear cut 1984. There is a 4-5 acre pocket of mixed oak, maple and pin
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	in the center of the stand, all surrounded by aspen. Lowland pocket in SW portion of stand stocked with aspen. Kept as same stand to manag
	Red Maple	20	Pole	5	36	Wi	tch Hazel	Low	5 - 10 feet	Tall Shrub	together. BA will increase with stand age.
	Quaking Aspen	40	Pole	6	37						-
١	lorthern Pin Oak	15	Pole	6	36						
	White Pine	10	Pole	8	36						
	White Oak	10	Pole	6							
	Red Pine	5	Pole	6							
124	622 - Lov	wland Shrub	)	Nonst	ocked	5.3			No		Lowland shrub stand. There is a trail running through the western end o stand.
125	4131 - A	Aspen, Oak		Saplin	g Poor	8.6	16	Immature	N/A		Clear cut 2005. Pockets of heavier oak regeneration, mainly in the
	Canopy Species	% Cover	Size Class	DBI	H Age						northern end of stand.
	Red Maple	5	Sapling	1	15						
	White Oak	5	Sapling	2	15						
	Bigtooth Aspen	65	Sapling	3	16						

# Report 7 – Stands



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stand	Level 4 (	Cover Type		Size D	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
26	4130	) - Aspen	F	Poletim	ber Well	6.6	37	81-110	N/A		Clear cut 1984. Well stocked aspen stand. Stand is on a ridgetop.
Can	nopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Re	ed Maple	5	Pole/Sapling	5	36	Wi	tch Hazel	Medium	5 - 10 feet	Tall Shrub	
W	hite Oak	5	Pole	6	36						_
Bigto	ooth Aspen	80	Pole	6	37						
North	ern Pin Oak	10	Pole	7	36						
<b>127</b> <sup>33</sup>	301 - Low Den	sity Deciduo	us Trees	Nonst	tocked	33.4	0		4211 - Planted	Red Pine	Shelterwood harvest 2007, all aspen, maple and marked oak removed.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	Marked to 50% crown clouser. Decent regeneration as a result of the harvest both stump sprouts and seed source. Regeneration is a mix of
						R	ed Pine	High	< 5 feet	Sapling	oak, maple and aspen. Trenched and planted to red pine. Trenched 201
						North	ern Pin Oak	Medium	5 - 10 feet	Sapling	and planted 5/2017. FTP C 73-979. Stand needs release spray. Norther
						Re	ed Maple	Medium	5 - 10 feet	Sapling	portions of stand contain more overstory pine that may limit herbicide spraying.
						Bigto	ooth Aspen	Low	10 - 20 feet	Sapling	- spraying.
128	4126 - White,	Black, N. Pi	n Oak Sa	wtimbe	er Mediun	n 21.8	101	51-80	N/A		Shelterwood harvest 2007, all maple, aspen, jack pine and marked oak
Can	nopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	removed. Oak was marked to 40% to 50% crown closer. Basal area ranges from 60-90 in places. Other pockets with lower BA. West end of
	hite Oak	40	Log	12			tch Hazel	Low	5 - 10 feet	Tall Shrub	
North	ern Pin Oak	53	Log	16		North	ern Pin Oak	Medium	Variable	Sapling	
W	hite Pine	2	Log	14		R	ed Pine	Low	5 - 10 feet	Sapling	
Bigto	ooth Aspen	5	Log	12		W	hite Pine	Low	10 - 20 feet	Sapling	
0	·		0			Re	ed Maple	Low	5 - 10 feet	Sapling	
						W	hite Oak	Low	5 - 10 feet	Sapling	
129	6122 - E	Black Spruce	e P	Poletim	ber Poor	9.6	60	1-50	N/A		Bog full of tag alder. Most species other than spruce are found along the
Can	opy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	edges of stand. Spruce is found in center of stand.
Re	ed Maple	5	Pole	8		Ta	ag Alder	Full	5 - 10 feet	Tall Shrub	
W	hite Pine	15	Pole/Log	9		Re	ed Maple	Low	5 - 10 feet	Sapling	
North	ern Pin Oak	10	Pole	6		Pa	per Birch	Low	5 - 10 feet	Sapling	
Bla	ck Spruce	70	Pole	6	60					1	-
130	4131 -	Aspen, Oak	F	Poletim	ber Well	24.4	28	51-80	N/A		Clear cut 1993. Good mix of oak beginning to recruit into the canopy.
Can	nopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Re	ed Maple	5	Sapling	4	27	North	ern Pin Oak	Low	< 5 feet	Sapling	
W	hite Oak	5	Sapling	4	27	Bla	ck Cherry	Medium	>20 feet	Sapling	
Bigto	ooth Aspen	65	Pole/Sapling	5	28						-
North	ern Pin Oak	25	Sapling	4	27						
131	310 - Herba	ceous Open	land	Nonst	tocked	1.7			Managed O	pening	Wildlife opening



	Level 4 C						U		Managed S		
32	4131 - <i>F</i>	Aspen, Oak	Р	oletimb	er Well	15.1	38	81-110	N/A		Clear cut 1983. Well stocked aspen stand with a little bit of everything
Can	nopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mixed in. Still a small pole stand. Basal area will increase with age
Re	ed Maple	13	Pole	6	37	Wit	ch Hazel	Medium	5 - 10 feet	Tall Shrub	
W	/hite Oak	5	Pole	6	37	Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	
Bigto	ooth Aspen	55	Pole	6	38						
North	iern Pin Oak	15	Pole	7	37						
WI	hite Pine	5	Pole/Log	9	37						
Ja	ack Pine	5	Pole	6							
R	Red Pine	2	Pole	8							
33	4131 - <i>F</i>	Aspen, Oak	Pol	etimbe	r Mediur	m 6.1	38	51-80	N/A		Clear cut 1983. Fully stocked aspen stand, there are some lowland
Can	opy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pockets in this stand, bringing the basal area down to 51-80.
Re	ed Maple	15	Pole	6	37	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	
W	/hite Oak	15	Pole	5	37	Northe	ern Pin Oak	Medium	5 - 10 feet	Sapling	
Bigto	ooth Aspen	45	Pole	6	38						
North	ern Pin Oak	20	Pole	6	07						
		20	Fole	0	37						
	hite Pine	5	Pole	7	37						
WI	'hite Pine 310 - Herbac	5	Pole	7 Nonsto		3.9	38	111-140	Managed O <sub>f</sub> N/A	pening	Wildlife opening Clear cut 1983. Stand came back very well. Fully stocked with a higher
WI 134 135	hite Pine 310 - Herbao 4130	5 ceous Open - Aspen	Pole	7 Nonsto	ocked er Well	19.4		-	N/A		Clear cut 1983. Stand came back very well. Fully stocked with a higher percentage of aspen compared to same age stands to North. Pockets
WI  34  35 Can	hite Pine 310 - Herbac 4130 hopy Species	5 ceous Open - Aspen % Cover	Pole Iland P Size Class	7 Nonsto oletimb	ocked er Well	19.4 <b>Sub-Ca</b>	nopy Species	Density	N/A Avg. Height	Size	Clear cut 1983. Stand came back very well. Fully stocked with a highe percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets
WI   <b>34</b>   <b>35</b> Re	hite Pine 310 - Herbac 4130 hopy Species ed Maple	5 ceous Open - Aspen % Cover 20	Pole Iland Pole/Sapling	7 Nonsto oletimb DBH 7	ocked er Well I Age 37	19.4 <b>Sub-Ca</b> Wit	nopy Species ch Hazel	Density Low	N/A Avg. Height 5 - 10 feet	Size Tall Shrub	Clear cut 1983. Stand came back very well. Fully stocked with a highe percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets
WI 134 135 Can Re W	hite Pine 310 - Herbac 4130 hopy Species ed Maple /hite Oak	5 ceous Open - Aspen % Cover	Pole Iland P Size Class	7 Nonsto oletimb	ocked er Well I Age 37 37	19.4 <b>Sub-Ca</b> Wit	nopy Species	Density	N/A Avg. Height	Size	Clear cut 1983. Stand came back very well. Fully stocked with a highe percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets
WI 134 135 Can Re W Bigto	hite Pine 310 - Herbac 4130 hopy Species ed Maple	5 ceous Open - Aspen % Cover 20 5	Pole Iland Pole/Sapling Pole	7       Nonsta       oletimb <b>DBH</b> 7       6       8	ocked er Well I Age 37	19.4 <b>Sub-Ca</b> Wit	nopy Species ch Hazel	Density Low	N/A Avg. Height 5 - 10 feet	Size Tall Shrub	Clear cut 1983. Stand came back very well. Fully stocked with a highe percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets
34 35 Can Re W Bigto North	hite Pine 310 - Herbao 4130 hopy Species ed Maple /hite Oak ooth Aspen	5           ceous Open           - Aspen           % Cover           20           5           65	Pole Iland Size Class Pole/Sapling Pole Pole	7       Nonsta       oletimb       DBH       7       6	ocked eer Well 37 37 38	19.4 <b>Sub-Ca</b> Wit	nopy Species ch Hazel	Density Low	N/A Avg. Height 5 - 10 feet	Size Tall Shrub	Clear cut 1983. Stand came back very well. Fully stocked with a highe percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets
WI I 34 I 35 Can Re W Bigto North Pa	hite Pine 310 - Herbao 4130 hopy Species ed Maple /hite Oak ooth Aspen eern Pin Oak	5           ceous Open           - Aspen           % Cover           20           5           65           5           5           5           5           5           5	Pole land Size Class Pole/Sapling Pole Pole Pole Pole Pole	7           Nonstr           oletimb           DBH           7           6           8           8           6	ocked eer Well 37 37 38	19.4 <b>Sub-Ca</b> Wit	nopy Species ch Hazel	Density Low	N/A Avg. Height 5 - 10 feet	Size Tall Shrub	Clear cut 1983. Stand came back very well. Fully stocked with a higher percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets are operable.
WI 134 135 Can Re W Bigto North Pa	hite Pine 310 - Herbao 4130 hopy Species ed Maple /hite Oak ooth Aspen hern Pin Oak aper Birch	5           ceous Open           - Aspen           % Cover           20           5           65           5           5           5           9           9	Pole land Size Class Pole/Sapling Pole Pole Pole Pole Pole	7       Nonsta       oletimb       DBH       7       6       8       8       6       9       0letimb	ocked er Well 37 37 38 37 37	19.4 Sub-Ca Wit Northe	nopy Species ch Hazel ern Pin Oak	Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Size Tall Shrub	Clear cut 1983. Stand came back very well. Fully stocked with a higher percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets are operable. Clear cut 2007. All white pine left. Basal area varies through stand. Average was 35-40 BA. Standing pine does not offer much timber value
Wi I34 I35 Can Re W Bigto North Pa I36 Can	hite Pine 310 - Herbac 4130 hopy Species ed Maple /hite Oak ooth Aspen hern Pin Oak aper Birch 42200 - Nati	5           ceous Open           - Aspen           % Cover           20           5           65           5           5           5           9           9	Pole Iland Size Class Pole/Sapling Pole Pole Pole Pole	7       Nonsta       oletimb       DBH       7       6       8       8       6       9       0letimb	er Well Age 37 37 38 37 er Poor	19.4 Sub-Ca Wit Northe 10.5 Sub-Ca	nopy Species ch Hazel ern Pin Oak 42	Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A	Size Tall Shrub Sapling	Clear cut 1983. Stand came back very well. Fully stocked with a higher percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets are operable.
WI 134 135 Can Re W Bigto Norther Pa 136 Can Norther	hite Pine 310 - Herbao 4130 hopy Species ed Maple /hite Oak ooth Aspen hern Pin Oak aper Birch 42200 - Nation hopy Species	<ul> <li>5</li> <li>ceous Open</li> <li>Aspen</li> <li>Cover</li> <li>20</li> <li>5</li> <li>65</li> <li>5</li> <li>ural White F</li> <li>% Cover</li> </ul>	Pole Iland Size Class Pole/Sapling Pole Pole Pole Pole Pole Pole	7       Nonsta       DBH       7       6       8       8       6       Nonsta       DBH       DBH	er Well Age 37 37 38 37 er Poor	19.4 Sub-Ca Wit Northe 10.5 Sub-Ca Northe	nopy Species ach Hazel ern Pin Oak 42 nopy Species	Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height	Size Tall Shrub Sapling Size	Clear cut 1983. Stand came back very well. Fully stocked with a higher percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets are operable. Clear cut 2007. All white pine left. Basal area varies through stand. Average was 35-40 BA. Standing pine does not offer much timber value
WI I34 I35 Can Re W Bigto North Pa I36 Can North WI	hite Pine 310 - Herbao 4130 hopy Species ed Maple /hite Oak ooth Aspen lern Pin Oak aper Birch 42200 - Natu hopy Species lern Pin Oak	5           ceous Open           - Aspen           % Cover           20           5           65           5           ural White F           % Cover           10	Pole Iland Pole/Sapling Pole/Sapling Pole Pole Pole Pole Pole Pole Pole Pole	7       Nonstr       DBH       8       6       8       6       8       6       12	ocked er Well 37 37 38 37 er Poor I Age	19.4 Sub-Ca Wit Northe 10.5 Sub-Ca Northe Ja	nopy Species Ich Hazel ern Pin Oak 42 nopy Species ern Pin Oak	Density       Low       Low       1-50       Density       Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Size Tall Shrub Sapling Size Sapling	Clear cut 1983. Stand came back very well. Fully stocked with a highe percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets are operable. Clear cut 2007. All white pine left. Basal area varies through stand. Average was 35-40 BA. Standing pine does not offer much timber valu
Will           34           35           Can           Re           Will           Bigto           North           Pa           36           Can           North           Will	hite Pine 310 - Herbad 4130 hopy Species ed Maple /hite Oak ooth Aspen ern Pin Oak 42200 - Nate hern Pin Oak ern Pin Oak 'hite Pine		Pole land Pole/Log Pole/Log	7       Nonsta       DBH       7       6       8       6       8       6       9       0letimb       DBH       12       8	ocked er Well 37 37 38 37 er Poor I Age	19.4 Sub-Ca Wit Northe 10.5 Sub-Ca Northe Ja	Anopy Species Inch Hazel Item Pin Oak 42 Anopy Species Item Pin Oak Itek Pine	Density Low Low 1-50 Density Medium Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet 10 - 20 feet	Size Tall Shrub Sapling Sapling Sapling Sapling	Clear cut 1983. Stand came back very well. Fully stocked with a highe percentage of aspen compared to same age stands to North. Pockets lowland within stand where the paper birch is located. Lowland pockets are operable. Clear cut 2007. All white pine left. Basal area varies through stand. Average was 35-40 BA. Standing pine does not offer much timber valu



											Year of Entry: 2023
Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
138	4126 - White, E	Black, N. Pir	n Oak	Sawtimb	er Well	5.2	97	81-110	N/A		Maintain as visual buffer. Narrow strip of timber between M-18 and powerline. On hill with scattered wet areas. Oak is beginning to show
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	age.
	Red Maple	17	Log	10	60	Re	d Maple	Medium	Variable	Sapling	
	White Oak	20	Log	14		Bigto	oth Aspen	Low	Variable	Sapling	
E	Bigtooth Aspen	20	Log	12	60	Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	
N	lorthern Pin Oak	40	Log	14	97	Wh	ite Pine	Low	5 - 10 feet	Sapling	
	White Pine	3	Log	12		Wite	ch Hazel	Low	5 - 10 feet	Tall Shrub	
140	6113 - Lov	wland Maple	9	Poletimb	er Poor	4.2	67	1-50	N/A		Lowland stand dominated by red maple with a high density of tag alder.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Age is estimated guess on red maple core taken.
	Red Maple	80	Pole	8	67	Та	g Alder	High	5 - 10 feet	Tall Shrub	2
	White Pine	5	Pole	6					I		
	Paper Birch	5	Pole	6							
N	lorthern Pin Oak	10	Pole/Log	9							
									Mixed Deci	duous	planted to red pine. Trenched 2016 and planted 5/2017. Red pine
					Γ	Sub-Car	nopy Species	Density	Mixed Deci Avg. Height	duous Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the
							n <b>opy Species</b> ern Pin Oak	Density Low			
					_	Northe Wh	ern Pin Oak lite Pine	Low Low	Avg. Height >20 feet >20 feet	Size Log Log	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a
						Northe Wh Re	ern Pin Oak lite Pine ed Pine	Low Low Trace	Avg. Height >20 feet >20 feet >20 feet	Size Log	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a
						Northe Wh Re Re	ern Pin Oak hite Pine ed Pine ed Pine	Low Low Trace Full	Avg. Height           >20 feet           >20 feet           >20 feet           <5 feet	Size Log Log Log Seeding	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a
						Northe Wh Re Re	ern Pin Oak lite Pine ed Pine	Low Low Trace	Avg. Height >20 feet >20 feet >20 feet	Size Log Log Log	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a
142	6225	5 - Bog		Nonsto	ocked	Northe Wh Re Re	ern Pin Oak hite Pine ed Pine ed Pine	Low Low Trace Full	Avg. Height           >20 feet           >20 feet           >20 feet           <5 feet	Size Log Log Log Seeding	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense
142	6225	5 - Bog		Nonsto	ocked	Northe Wh Re Northe 8.2	ern Pin Oak hite Pine ed Pine ed Pine	Low Low Trace Full	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Log Seeding	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs.
142	6225	5 - Bog		Nonsto	Docked	Northe Wh Re Northe 8.2 Sub-Car	ern Pin Oak hite Pine ed Pine ed Pine ern Pin Oak	Low Low Trace Full High	Avg. Height >20 feet >20 feet >20 feet < 5 feet < 5 feet No	Size Log Log Seeding Sapling	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder.
143	4125 - Blac	k, N. Pin Oa		Sapling N	Medium	Northe Wh Re Northe 8.2 Sub-Car	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height >20 feet >20 feet < 5 feet < 5 feet No Avg. Height	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder.
143	4125 - Blac Canopy Species	k, N. Pin Oa % Cover	Size Class	Sapling I	Medium I <b>Age</b>	Northe Wh Re Northe 8.2 Sub-Car Ta	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder.
143	4125 - Blac Canopy Species White Oak	k, N. Pin Oa % Cover	Size Class Sapling	Sapling M DBH	Medium I <b>Age</b> 18	Northe Wh Re Northe 8.2 Sub-Car Ta	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder. Clear cut 2002. Stand came back great to oak. Scattered oak and maple
143	4125 - Blac Canopy Species White Oak Iorthern Pin Oak	k, N. Pin Oa % Cover 10 70	Sapling Sapling	Sapling N DBH 2 2	Medium <b>Age</b> 18 19	Northe Wh Re Northe 8.2 Sub-Car Ta	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder. Clear cut 2002. Stand came back great to oak. Scattered oak and maple
143	4125 - Blac Canopy Species White Oak Iorthern Pin Oak White Pine	k, N. Pin Oa <b>% Cover</b> 10 70 10	Size Class Sapling Sapling Sapling	Sapling M DBH 2 2 2	Medium <b>Age</b> 18 19 18	Northe Wh Re Northe 8.2 Sub-Car Ta	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder. Clear cut 2002. Stand came back great to oak. Scattered oak and maple
143	4125 - Blac Canopy Species White Oak Iorthern Pin Oak White Pine Jack Pine	k, N. Pin Oa <b>% Cover</b> 10 70 10 3	Size Class Sapling Sapling Sapling Sapling	Sapling N DBH 2 2 2 2 2 2	Medium <b>Age</b> 18 19	Northe Wh Re Northe 8.2 Sub-Car Ta	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs.         Bog filled with tag alder. No canopy trees here, and shorter/less dense alder.         Clear cut 2002. Stand came back great to oak. Scattered oak and maple
143	4125 - Blac Canopy Species White Oak Iorthern Pin Oak White Pine Jack Pine White Oak	k, N. Pin Oa <b>% Cover</b> 10 70 10 3 3	Size Class Sapling Sapling Sapling Log	Sapling N DBH 2 2 2 2 2 2 10	Medium <b>Age</b> 18 19 18	Northe Wh Re Northe 8.2 Sub-Car Ta	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder. Clear cut 2002. Stand came back great to oak. Scattered oak and maple
143 N	4125 - Blac Canopy Species White Oak Iorthern Pin Oak White Pine Jack Pine	k, N. Pin Oa <b>% Cover</b> 10 70 10 3	Size Class Sapling Sapling Sapling Sapling	Sapling N DBH 2 2 2 2 2 2	Medium <b>Age</b> 18 19 18	Northe Wh Re Northe 8.2 Sub-Car Ta	ern Pin Oak iite Pine ed Pine ed Pine ern Pin Oak ern Pin Oak mopy Species g Alder	Low Low Trace Full High	Avg. Height           >20 feet           >20 feet           >20 feet           < 5 feet	Size Log Log Seeding Sapling Size	average 2-3' in Feb 2021. Residual oak and a few pine were left in the canopy. Oak is main competition for red pine seedlings. stand is on a ridge between lowlands/bogs. Bog filled with tag alder. No canopy trees here, and shorter/less dense alder. Clear cut 2002. Stand came back great to oak. Scattered oak and maple

### Report 7 – Stands

Compartment: 2 Year of Entry: 2023 DNR DNR MCHIGAN

Stand	Level 4 C	over Type	:	Size Do	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
144	4130	- Aspen		Saplin	g Well	11.1	29	Immature	N/A		Clear cut 1992. Fully stocked aspen stand, there are a couple drainages
	Canopy Species	% Cover	Size Class	DBł	I Age						through stand, but will not prohibit any future activities. Main drainage splits the stand.
	Red Maple	20	Sapling/Pole	4	28						
	White Oak	5	Sapling/Pole	4	28						
	Quaking Aspen	70	Sapling/Pole	4	29						
Ν	Northern Pin Oak	5	Sapling/Pole	4	28						
145	3301 - Low Densi	ty Deciduo	us Trees	Nonst	ocked	10.4	0		42111 - Planted Mixed Deci		Aspen and red maple removed in 1997. Mix of aspen, red maple and oak regeneration in understory. Seed tree harvest spring 2103. Trenched and planted to red pine. Trenched 2016 and planted 5/2017. Oak is main competition against red pine seedlings. Some canopy oak were left.
146	330 - Low-I	Density Tre	es	Nonst	ocked	15.6	0		4139 - Asper Deciduo		Final harvest 2013. Parts of stand trenched and planted to red pine. Trenched 2016 and planted 5/2017. Stand updated January 2021 during
						Sub-Ca	nopy Specie	s Density	Avg. Height	Size	inventory. Stand is fully stocked with aspen, red maple and small component of oak.
						Bigto	oth Aspen	High	10 - 20 feet	Sapling	
						Re	d Maple	High	>20 feet	Sapling	
						Northe	ern Pin Oak	Medium	5 - 10 feet	Sapling	
147	4131 - A	spen, Oak	P	oletim	er Well	19.2	48	111-140	N/A		Clear cut 1973. Stand is very similar to stand 122 (Aspen stand to the
	<b>Canopy Species</b>	% Cover	Size Class	DBł	l Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	west w/snowmobile trail intersecting). There is a little more oak component.
	Bigtooth Aspen	60	Pole/Log	8	48	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	
Ν	Northern Pin Oak	15	Pole/Log	9	47	Wł	nite Pine	Low	5 - 10 feet	Sapling	
	Red Maple	20	Pole	7	48		d Maple	Low	10 - 20 feet	Sapling	
	White Oak	5	Pole/Log	9		Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	
148	3301 - Low Densi	ty Deciduo	us Trees	Nonst	ocked	15.3	0	Unspecified	4126 - White, Bl Oak		Seed tree harvest spring 2104. Parts of stand trenched and planted to red pine. Trenched 2016 and planted 5/2017. FTP C 73-979. Stand was once grouped with stand 39 (SE of location). This stand contained more canopy oak. Regen is not as dense, with more red maple stump sprouts.
149	4310 - Pii	ne, Oak Miz	K P	oletim	oer Well	56.7	18	81-110	N/A		Clear cut 1993 - 1996. Planted to red pine in 2002. Herbicide treatment
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	2008. Planted red pine stand that has resulted in a mixed upland stand. There are some pockets of jack pine, mainly found in the western end.
	Red Maple	13	Pole	5	25	R	ed Pine	Medium	< 5 feet	Sapling	
	White Oak	5	Sapling	4	25	Northe	ern Pin Oak	Low	< 5 feet	Sapling	
	Quaking Aspen	2	Sapling	4	25						-
Ν	Northern Pin Oak	25	Pole	6	25						
	Red Pine	40	Pole	5	18						
	Pin Cherry	5	Sapling	4	25						
	Jack Pine	10	Sapling/Pole	4							

#### Report 7 – Stands

Compartment: 2 Year of Entry: 2023

DR NATURAL MELAND

Stand	Level 4 Co	over Type		Size D	ensity	Acres	Stand Age	BA Range	Managed S	lite	General Comments
150	4126 - White, E	Black, N. Pi	n Oak	Sawtim	ber Well	12.8	88	81-110	N/A		Mature northern pin oak stand with white oak mixed in. Pin oak is starting
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	to show it's mature age. Aspen is also heavy in some pockets. Stand is at the age where it needs management.
	Red Maple	10	Pole	8		Re	d Maple	Medium	>20 feet	Sapling	
	White Oak	25	Log	12	88	Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	
N	orthern Pin Oak	50	Log	12	88	Wit	ch Hazel	Medium	5 - 10 feet	Tall Shrub	
E	Bigtooth Aspen	15	Log	12							
151	4199 - Other Mixe	d Upland D	eciduous	Poletim	ber Well	8.5	28	81-110	N/A		Clear cut 1993. Red maple pulp stand currently. Next entry may steer the stand to aspen. Overall stand is well stocked.
	Canopy Species	% Cover	Size Class	DB	H Age						stand to aspen. Overall stand is well stocked.
	Red Maple	52	Pole	7	28						
	White Oak	5	Pole	5	27						
(	Quaking Aspen	30	Pole	6	27						
N	orthern Pin Oak	10	Pole	6	27						
	Black Cherry	3	Pole	6							
152	4130	- Aspen		Saplir	ıg Well	11.6	7	Immature	N/A		FTP C 73-979. Red pine stand to north was originally part of this stand.
	Canopy Species	% Cover	Size Class	DB	H Age						Fully stocked aspen stand. Pocket of canopy white oak in the SE corner. Good mix of pole oak with the aspen.
	Red Maple	5	Sapling	3	7						
E	Bigtooth Aspen	77	Sapling	4	7						
N	orthern Pin Oak	15	Pole/Saplin	g 5	7						
	White Oak	3	Sapling	4							
153	4131 - A	spen, Oak		Saplir	ıg Well	9.9	7	Immature	N/A		Seed tree harvest spring 2014. Regen in stand is now 15-20' tall, fully
	Canopy Species	% Cover	Size Class	DB	H Age						stocked with aspen, maple and oak.
(	Quaking Aspen	40	Sapling	2	7						
	Red Maple	40	Sapling	2							
Blac	k/Red (Hybrid) Oak	20	Sapling	2							
154	4131 - A	spen, Oak		Poletim	ber Well	29.2	37	81-110	N/A		Clear cut 1984. Good amount of oak mixed in, stand is fully stocked & will
	Canopy Species	% Cover	Size Class	DB	H Age						continue to increase BA with age.
	Red Maple	5	Pole	6	36						
	White Oak	5	Pole	6	36						
E	Bigtooth Aspen	75	Pole	7	37						
N	orthern Pin Oak	15	Pole	7	36						
155	4126 - White, E	Black, N. Pi	n Oak	Sawtim	ber Poor	15.2	101	1-50	N/A		All dead oak, maple, aspen and oak 10" DBH and less cut on 2001.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Extremely dense oak understory throughout most of stand, with red maple filling in any small pockets. Would not recommend chasing canopy
	Red Maple	10	Pole/Saplin	g 5	25	Re	d Maple	Medium	10 - 20 feet	Sapling	oak.
	White Oak	60	Log	14	101	Asp	en (spp.)	Medium	10 - 20 feet	Sapling	
N	orthern Pin Oak	30	Log	14	100	Oa	ak (spp.)	High	5 - 10 feet	Sapling	

	G	ladwin Mg	t. Unit				Rep	ort 7 – Sta	inds		Compartment: 2 Year of Entry: 2023
Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
156	310 - Herbac	eous Openl	land	Nonsto	ocked	4.2			Managed O	pening	Wildlife opening
157	4131 - A	spen, Oak		Poletimb	er Well	60.6	37	81-110	N/A		Clear cut 1984. Large aspen stand with multiple wildlife openings in
(	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	nopy Species	Density	Avg. Height	Size	center. Smaller pockets where aspen did not recruit are now dominated by oak.
	Red Maple	5	Pole	7	36	Pin	Cherry	Low	10 - 20 feet	Tall Shrub	
	White Oak	5	Pole	6	36	Witc	ch Hazel	Low	5 - 10 feet	Tall Shrub	
B	Bigtooth Aspen	74	Pole	6	37	Northe	rn Pin Oak	Low	5 - 10 feet	Sapling	
No	orthern Pin Oak	15	Pole	7	36					·	
	Red Pine	1	Log	12							
158	4130	- Aspen		Sapling	g Well	11.2	16	Immature	N/A		Clear cut 2005. Dense aspen stand on a north facing slope.
(	Canopy Species	% Cover	Size Class	DBH	I Age						
	Red Maple	5	Sapling	1	15						
	White Oak	5	Sapling	1	15						
	Quaking Aspen	30	Sapling	2	15						
	Bigtooth Aspen	50	Sapling	2	16						
		10									
No	orthern Pin Oak	10	Sapling	2	15						
	310 - Herbac			Nonsto		3.1			Managed O	pening	Wildlife opening.
159	310 - Herbac		land		ocked	3.1 22.4	54	81-110	Managed O N/A	pening	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close
159 160	310 - Herbac	eous Openl spen, Oak	land Size Class	Nonsto	ocked	22.4	54 nopy Species			pening Size	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this
159 160	310 - Herbac 4131 - A	eous Openl spen, Oak	land	Nonsto Poletimb DBH	ocked er Well I <b>Age</b> 53	22.4 Sub-Can	-		N/A		Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close
159 160 (	310 - Herbac 4131 - A <b>Canopy Species</b> Red Maple Bigtooth Aspen	eous Openi spen, Oak % Cover 30 45	land Size Class	Nonsto Poletimb DBH 9 6	ocked er Well I Age	22.4 Sub-Can Rec Bigtoc	hopy Species d Maple oth Aspen	Density	N/A Avg. Height	Size Sapling Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this
159 160 (	310 - Herbac 4131 - A <b>Canopy Species</b> Red Maple	eous Open spen, Oak % Cover 30	land Size Class Pole/Log	Nonsto Poletimb DBH	ocked er Well I <b>Age</b> 53	22.4 Sub-Can Rec Bigtoo	nopy Species d Maple oth Aspen rn Pin Oak	DensityLowLowLow	N/A Avg. Height >20 feet >20 feet 5 - 10 feet	Size Sapling Sapling Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 (	310 - Herbac 4131 - A <b>Canopy Species</b> Red Maple Bigtooth Aspen	eous Openi spen, Oak % Cover 30 45	land Size Class Pole/Log Pole	Nonsto Poletimb DBH 9 6	ocked er Well I <b>Age</b> 53	22.4 Sub-Can Rec Bigtoo Northe Witc	nopy Species d Maple oth Aspen rn Pin Oak ch Hazel	DensityLowLowLowMedium	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling Tall Shrub	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 (	310 - Herbac 4131 - A <b>Canopy Species</b> Red Maple Bigtooth Aspen	eous Openi spen, Oak % Cover 30 45	land Size Class Pole/Log Pole	Nonsto Poletimb DBH 9 6	ocked er Well I <b>Age</b> 53	22.4 Sub-Can Rec Bigtoo Northe Witc	nopy Species d Maple oth Aspen rn Pin Oak	DensityLowLowLow	N/A Avg. Height >20 feet >20 feet 5 - 10 feet	Size Sapling Sapling Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 ( E	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak	eous Openi spen, Oak % Cover 30 45	Size Class Pole/Log Pole Log	Nonsto Poletimb DBH 9 6	becked eer Well 1 Age 53 54	22.4 Sub-Can Rec Bigtoo Northe Witc	nopy Species d Maple oth Aspen rn Pin Oak ch Hazel	DensityLowLowLowMedium	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling Tall Shrub	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 E No 161	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 Canopy Species	eous Openl spen, Oak % Cover 30 45 25 - Aspen % Cover	Size Class Pole/Log Pole Log	Nonsto Poletimb 9 6 12 Sawtimb	er Well 53 54 er Well	22.4 Sub-Can Bigtor Northe Witc B 22.6 Sub-Can	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel Beech 54 hopy Species	Density Low Low Low Medium Trace	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	Size Sapling Sapling Sapling Tall Shrub Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 E No 161	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 Canopy Species Red Maple	eous Openi spen, Oak % Cover 30 45 25 - Aspen % Cover 20	Size Class Pole/Log Log Size Class Log	Nonsto Poletimb 9 6 12 Sawtimb DBH 12	er Well 53 54 er Well 4 54 54 54 54 54 53	22.4 Sub-Can Bigtod Northe Witc B 22.6 Sub-Can Witc	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel Seech 54 hopy Species ch Hazel	Density       Low       Low       Low       Medium       Trace	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Size Sapling Sapling Tall Shrub Sapling Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 E No 161	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 4130 Canopy Species Red Maple Quaking Aspen	eous Openi spen, Oak	Size Class Pole/Log Log Size Class Log Pole/Log	Nonsta Poletimb 9 6 12 Sawtimb DBH 12 9	er Well er Well 53 54 er Well 8 53 53 53 53	22.4 Sub-Can Bigtod Northe Witc B 22.6 Sub-Can Witc	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel Beech 54 hopy Species	Density Low Low Low Medium Trace	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	Size Sapling Sapling Sapling Tall Shrub Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 ( E No 161	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 Canopy Species Red Maple Quaking Aspen Bigtooth Aspen	eous Openi spen, Oak % Cover 30 45 25 - Aspen % Cover 20 15 60	Size Class Pole/Log Log Size Class Log Pole/Log Log	Nonsto Poletimb 9 6 12 Sawtimb DBH 12 9 10	er Well 53 54 er Well 4 54 54 54 54 54 53	22.4 Sub-Can Bigtod Northe Witc B 22.6 Sub-Can Witc	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel Seech 54 hopy Species ch Hazel	Density       Low       Low       Low       Medium       Trace	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Size Sapling Sapling Tall Shrub Sapling Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 ( E No 161	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 4130 Canopy Species Red Maple Quaking Aspen	eous Openi spen, Oak	Size Class Pole/Log Log Size Class Log Pole/Log	Nonsta Poletimb 9 6 12 Sawtimb DBH 12 9	er Well er Well 53 54 er Well 8 53 53 53 53	22.4 Sub-Can Bigtod Northe Witc B 22.6 Sub-Can Witc	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel Beech 54 hopy Species ch Hazel	Density       Low       Low       Low       Medium       Trace	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Size Sapling Sapling Tall Shrub Sapling Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 ( E No 161 ( C E No	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 Canopy Species Red Maple Quaking Aspen Bigtooth Aspen	eous Openi spen, Oak % Cover 30 45 25 - Aspen % Cover 20 15 60 5	Size Class Pole/Log Log Size Class Log Pole/Log Log Log	Nonsto Poletimb 9 6 12 Sawtimb DBH 12 9 10	er Well 53 54 er Well er Well 53 53 53 53 53 54	22.4 Sub-Can Bigtod Northe Witc B 22.6 Sub-Can Witc	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel Beech 54 hopy Species ch Hazel	Density       Low       Low       Low       Medium       Trace	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet >20 feet N/A	Size Sapling Sapling Tall Shrub Sapling Sapling	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand. Clear cut 1967. Excellent aspen growth, rolling hills.
159 160 ( E No 161	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 Canopy Species Red Maple Quaking Aspen Bigtooth Aspen orthern Pin Oak	eous Openi spen, Oak % Cover 30 45 25 - Aspen % Cover 20 15 60 5	Size Class Pole/Log Log Size Class Log Pole/Log Log Log	Nonsta Poletimb 9 6 12 Sawtimb 0BH 12 9 10 12	er Well 53 54 er Well er Well 53 53 53 53 53 54	22.4 Sub-Can Rec Bigtod Northe Witc B 22.6 Sub-Can 9.8 Sub-Can	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel deech 54 54 hopy Species ch Hazel d Maple	Density Low Low Low Medium Trace Density Medium Medium Medium Density	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet >20 feet N/A Avg. Height No Avg. Height	Size Sapling Sapling Sapling Tall Shrub Sapling Size Tall Shrub Pole Size	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand.
159 160 ( E No 161 ( C C E No	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 Canopy Species Red Maple Quaking Aspen Bigtooth Aspen orthern Pin Oak	eous Openi spen, Oak % Cover 30 45 25 - Aspen % Cover 20 15 60 5	Size Class Pole/Log Log Size Class Log Pole/Log Log Log	Nonsta Poletimb 9 6 12 Sawtimb 0BH 12 9 10 12	er Well 53 54 er Well er Well 53 53 53 53 53 54	22.4 Sub-Can Bigtod Northe Witc B 22.6 Sub-Can Vitc Rec 9.8 Sub-Can Northe	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel Beech 54 54 hopy Species ch Hazel d Maple	Density Low Low Low Medium Trace Density Medium Medium Medium Density Low	N/A Avg. Height 20 feet 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet >20 feet N/A Avg. Height 2 - 20 feet No	Size Sapling Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling Size Tall Shrub Pole Size Pole	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand. Clear cut 1967. Excellent aspen growth, rolling hills.
159 160 ( E No 161 ( C C E No	310 - Herbac 4131 - A Canopy Species Red Maple Bigtooth Aspen orthern Pin Oak 4130 Canopy Species Red Maple Quaking Aspen Bigtooth Aspen orthern Pin Oak	eous Openi spen, Oak % Cover 30 45 25 - Aspen % Cover 20 15 60 5	Size Class Pole/Log Log Size Class Log Pole/Log Log Log	Nonsta Poletimb 9 6 12 Sawtimb 0BH 12 9 10 12	er Well 53 54 er Well er Well 53 53 53 53 53 54	22.4 Sub-Can Bigtoo Northe Wito 22.6 Sub-Can Wito Rec 9.8 Sub-Can Northe Blac	hopy Species d Maple oth Aspen rn Pin Oak ch Hazel deech 54 54 hopy Species ch Hazel d Maple	Density Low Low Low Medium Trace Density Medium Medium Medium Density	N/A Avg. Height >20 feet >20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet >20 feet N/A Avg. Height No Avg. Height	Size Sapling Sapling Sapling Tall Shrub Sapling Size Tall Shrub Pole Size	Clear cut 1967. Excellent aspen growth, rolling hills. Basal area is close to pushing over 110. more oak and red maple stump sprouts in this stand. Clear cut 1967. Excellent aspen growth, rolling hills.

# Report 7 – Stands



NR

Stand	Level 4 Co		Size Density		Acres	Stand Age B	A Range	Managed Site		General Comments	
163	4199 - Other Mixe	d Upland D	eciduous I	Poletimber V		47.4	54	81-110	N/A		Clear cut 1967. This stand came back to more stump sprout maple and
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak, with less of an aspen component. Aspen pocket is located in center of stand. Stand is filling in well.
	Red Maple	45	Pole	8	54	Re	d Maple	Medium	>20 feet	Sapling	
	Quaking Aspen	20	Pole	8	53	Wit	ch Hazel	Medium	5 - 10 feet	Tall Shrub	
1	Northern Pin Oak	25	Pole	9		Quak	aking Aspen	Low	>20 feet	Sapling	
	White Oak	7	Pole	7		Northe	ern Pin Oak	Medium	5 - 10 feet	Sapling	
	Black Cherry	3	Pole	6							
<b>164</b> 4130		- Aspen	I	Poletimber Well		55.4	55.4 48		N/A Avg. Height Size		Clear cut in 1973. Mature aspen stand ready for harvest, with pole and sapling maple very common throughout stand.
	Canopy Species	% Cover Size Class		DBH Age		Sub-Canopy Specie		Density		Size	
	Red Maple	20	Log/Pole	10	47	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	20	Pole/Log	9	47	Re	Red Maple	Medium	>20 feet	Pole	
	Bigtooth Aspen	50	Log	12	48	Bigto	oth Aspen	Low	>20 feet	Sapling	
I	Northern Pin Oak	10	Pole	7	47						
165		,	ban		ocked	0.6					Muskegon Development Company Water Injection Well.
166		5 - Bog		Nonsto	ocked	1.4	38	111-140	No		Open bog.
	4130	5 - Bog - Aspen	I	Poletimb	ocked ber Well	1.4	38	111-140	No N/A		
166	4130 Canopy Species	5 - Bog - Aspen % Cover	Size Class	Poletimb	ocked oer Well I Age	1.4	38	111-140			Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw
166	4130	5 - Bog - Aspen	I	Poletimb DBH	ocked ber Well I Age 37	1.4	38	111-140			Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw
166	4130 Canopy Species Red Maple	5 - Bog - Aspen % Cover 5	Size Class Pole	Poletimb	ocked oer Well I Age	1.4	38	111-140			Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw
166	4130 Canopy Species Red Maple Red Oak	5 - Bog - Aspen % Cover 5 10	Size Class Pole Pole	Poletimb DBH 5 6	ber Well Age 37 37	1.4	38	111-140			Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw
166	4130 Canopy Species Red Maple Red Oak White Oak	5 - Bog - Aspen % Cover 5 10 5	Size Class Pole Pole Pole	Poletimb DBH 5 6 5	bocked ber Well <b>I Age</b> 37 37 37	1.4	38	111-140			Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw
166	4130 Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen	5 - Bog - Aspen % Cover 5 10 5 5 50 30	Size Class Pole Pole Pole Pole Pole Pole	Poletimb DBH 5 6 5 8	ber Well Age 37 37 37 38	1.4	38	81-110			Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw separates the stand & could make harvest difficult. Stand is adjacent to Middle Branch Cedar River. Stand consists of
166	4130 Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Quaking Aspen	5 - Bog - Aspen % Cover 5 10 5 50 30 orthern Hard	Size Class Pole Pole Pole Pole Pole Pole	Poletimb DBH 5 6 5 8 8 8 8	ber Well Age 37 37 37 38	1.4 15.0 10.5			N/A	Size	Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw separates the stand & could make harvest difficult. Stand is adjacent to Middle Branch Cedar River. Stand consists of several ravains leading down to the river. Hard maple is poor quality, as
166	4130 Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Quaking Aspen 4119 - Mixed No	5 - Bog - Aspen % Cover 5 10 5 50 30 orthern Hard	Size Class Pole Pole Pole Pole Pole	Poletimb DBH 5 6 5 8 8 8 8	ocked er Well Age 37 37 37 37 38 wer Well	1.4 15.0 10.5 <b>Sub-Ca</b>	101	81-110	N/A N/A	Size Sapling	Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw separates the stand & could make harvest difficult. Stand is adjacent to Middle Branch Cedar River. Stand consists of
166	4130 Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Quaking Aspen 4119 - Mixed No Canopy Species	5 - Bog - Aspen % Cover 5 10 5 50 30 orthern Harco % Cover	Size Class Pole Pole Pole Pole Pole dwoods	Poletimb DBH 5 6 5 8 8 8 8 Sawtimb	ocked er Well Age 37 37 37 37 38 wer Well	1.4 15.0 10.5 <b>Sub-Ca</b> Sug	101 nopy Species	81-110 <b>Density</b>	N/A N/A Avg. Height		Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw separates the stand & could make harvest difficult. Stand is adjacent to Middle Branch Cedar River. Stand consists of several ravains leading down to the river. Hard maple is poor quality, as is most the timber. There are pole red oaks that have begun recruiting.
166	4130 Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Quaking Aspen 4119 - Mixed No Canopy Species Sugar Maple	5 - Bog - Aspen % Cover 5 10 5 50 30 orthern Harc % Cover 10	Size Class Pole Pole Pole Pole dwoods Size Class Log	Poletimb DBH 5 6 5 8 8 8 8 Sawtimb DBH 14	bocked ber Well Age 37 37 37 37 38 er Well Age	1.4 15.0 10.5 <b>Sub-Ca</b> Sug Bigto	101 <b>nopy Species</b> gar Maple	81-110 Density Low	N/A N/A <b>Avg. Height</b> 5 - 10 feet	Sapling	Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw separates the stand & could make harvest difficult. Stand is adjacent to Middle Branch Cedar River. Stand consists of several ravains leading down to the river. Hard maple is poor quality, as is most the timber. There are pole red oaks that have begun recruiting.
166	4130 Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Quaking Aspen 4119 - Mixed Not Canopy Species Sugar Maple Red Maple	5 - Bog - Aspen % Cover 5 10 5 50 30 0 0 0 0 0 0 0 0 0 0 0 0 0	Size Class Pole Pole Pole Pole Pole Size Class Log Log	Poletimb <b>DBH</b> 5 6 5 8 8 8 Sawtimb <b>DBH</b> 14 14	bocked ber Well Age 37 37 37 37 38 er Well Age	1.4 15.0 10.5 <b>Sub-Ca</b> Sug Bigto	101 nopy Species gar Maple ooth Aspen	81-110 Density Low Low	N/A N/A <b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Sapling Sapling	Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw separates the stand & could make harvest difficult. Stand is adjacent to Middle Branch Cedar River. Stand consists of several ravains leading down to the river. Hard maple is poor quality, as is most the timber. There are pole red oaks that have begun recruiting.
166	4130 Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Quaking Aspen 4119 - Mixed No Canopy Species Sugar Maple Sugar Maple Basswood	5 - Bog - Aspen % Cover 5 10 5 50 30 0 0 0 0 0 0 0 0 0 0 0 0 0	Size Class Pole Pole Pole Pole Pole Size Class Size Class Log Log Log	Poletimb DBH 5 6 5 8 8 8 Sawtimb DBH 14 14 14	bocked ber Well Age 37 37 37 37 38 er Well Age	1.4 15.0 10.5 <b>Sub-Ca</b> Sug Bigto	101 nopy Species gar Maple noth Aspen	81-110 Density Low Low	N/A N/A <b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Sapling Sapling	Open bog. Clear cut 1983. Dense aspen stand with heavy deer use. Lowland draw separates the stand & could make harvest difficult. Stand is adjacent to Middle Branch Cedar River. Stand consists of several ravains leading down to the river. Hard maple is poor quality, as is most the timber. There are pole red oaks that have begun recruiting.

#### Report 7 – Stands

Compartment: 2 Year of Entry: 2023

DNR DNR SOURCE
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Level 4 Co	over Type		Size Density		Acres	Stand Age E	BA Range	Managed Site		General Comments
6128 - Lowland Coniferous, Mixed Deciduous			Poletimber Well		6.1	6.1 119 8		N/A		Floodplain and slope above Middle Branch Cedar River. Stand holds wildlife value. Dead ash located in northern end of stand where it splits
Canopy Species	% Cover	Size Class	B DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	the upland aspen stand.
Red Maple	10	Pole	6		Re	ed Maple	Low	5 - 10 feet	Sapling	
Bigtooth Aspen	10	Log	10		Ba	llsam Fir	Low	< 5 feet	Sapling	
hern White Cedar	30	Pole	7	119						-
Hemlock	50	Pole	8	119						
622 - Lowland Shrub			Nonstocked		7.7			No		Middle branch Cedar River flood plain. Active beaver activity with multiple dams constructed
3	6128 - Lowland O Deci Canopy Species Red Maple igtooth Aspen hern White Cedar Hemlock	DeciduousCanopy Species& CoverRed Maple10igtooth Aspen10nern White Cedar30Hemlock50	6128 - Lowland Coniferous, Mixed Deciduous         6128 - Lowland Coniferous, Mixed Deciduous         Canopy Species % Cover Size Class         Red Maple       10       Pole         igtooth Aspen       10       Log         nern White Cedar       30       Pole         Hemlock       50       Pole	6128 - Lowland Coniferous, Mixed Deciduous     Poletimb       Canopy Species     % Cover     Size Class     DBH       Red Maple     10     Pole     6       igtooth Aspen     10     Log     10       nern White Cedar     30     Pole     7       Hemlock     50     Pole     8	A Section of the sectio	6128 - Lowland Coniferous, Mixed Deciduous     Poletimber Well     6.1       Canopy Species     % Cover     Size Class     DBH     Age       Red Maple     10     Pole     6     Re       igtooth Aspen     10     Log     10     Ba       hern White Cedar     30     Pole     7     119       Hemlock     50     Pole     8     119	6128 - Lowland Coniferous, Mixed Deciduous     Poletimber Well     6.1     119       Canopy Species     % Cover     Size Class     DBH     Age       Red Maple     10     Pole     6     Red Maple       igtooth Aspen     10     Log     10     Balsam Fir       Hemlock     50     Pole     8     119	6128 - Lowland Coniferous, Mixed DeciduousPoletimber Well6.111981-110Canopy Species% Cover Size ClassDBH Age 6Sub-Canopy SpeciesDensityRed Maple10Pole6Red MapleLowigtooth Aspen10Log10Balsam FirLowHemlock50Pole8119	6128 - Lowland Coniferous, Mixed DeciduousPoletimber Well Poletimber Well6.111981-110N/ACanopy Species% Cover % CoverSize Class PoleDBH Age 6Sub-Canopy Species Red MapleDensity LowAvg. Height 5 - 10 feetRed Maple10Pole6Red MapleLow5 - 10 feetigtooth Aspen10Log10Balsam FirLow< 5 feet	6128 - Lowland Coniferous, Mixed Deciduous       Poletimber Well       6.1       119       81-110       N/A         Canopy Species       % Cover       Size Class       DBH Age       Sub-Canopy Species       Density       Avg. Height       Size         Red Maple       10       Pole       6       Red Maple       Low       5 - 10 feet       Sapling         igtooth Aspen       10       Log       10       Pole       7       119         Hemlock       50       Pole       8       119