



# Compartment Review Presentation

## Cadillac Forest Management Unit

Compartment 63034

Entry Year 2026

Acreage: 1,917

County Osceola

Management Area: Cadillac Moraines

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**Stand Examiner:** James Park

### Legal Description:

T18N R9W, Sections 21, 26, 27, 34 & 35 and T17N R9W, Sections 2 & 3

### Identified Planning Goals:

Vegetation management in the Evert Block Management Area (MA) will provide timber products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period years will focus on balancing the age-class distributions for aspen and regenerating oak. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends within this 10-year planning period are the need to regenerate oak, the need to continue to balance aspen age classes, the need to diversify forest cover types and an increase in recreation pressure.

### Soil and topography:

The soils within this compartment are primarily Chelsea, Rubicon, and Montcalm association. The terrain is rolling.

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

The ownership surrounding this compartment is mainly private and varies in parcel size. The majority of surrounding properties around the compartment are recreational forestland.

### Unique Natural Features:

This compartment has the potential to contain Eastern Box Turtles and/or Wood Turtles.

### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

### Special Management Designations or Considerations:

### Watershed and Fisheries Considerations:

No Fisheries or watershed concerns.

### Wildlife Habitat Considerations:

Maintain aspen habitat type and continue establish mixed age classes. Maintain oak communities and when possible integrate age class diversity across the compartment to retain oak component. Continue to propagate hard and soft mast tree species (oak, beech, Hawthorne, raspberry, blueberry, dogwoods, etc...) to provided adequate food and browse resources. Continue to provide wildlife habitat corridors by linking forested stands when identifying within stand retention guidelines.

Maintain herbaceous openland stands as wildlife openings; focus on stands > 5 acres. Remove encroaching woody debris by hand cutting and brush hog mowing. Encourage forb production by frost seeding as well as fertilizer application.

Establish clearing and seeding of all decking/landing sites to promote wildlife herbaceous openings.

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

Surface sediments consist of an end moraine of coarse-textured till. The glacial drift thickness varies between 600 and 1,000 feet. Beneath the glacial drift are the Jurassic Red Beds and the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay/shale in other parts of the State. The nearest gravel pit is three miles to the east, but gravel potential is considered to be good. The compartment lies next to Cedar Field. The field has produced over 1.2 million BO from the Devonian Detroit River Formation and over 1.4 Bcf gas from the Stray sandstone. None of the State land is currently leased for oil and gas development.

### Vehicle Access:

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the

DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

**Survey Needs:**

None known.

**Recreational Facilities and Opportunities:**

There are no developed recreational facilities within this compartment. Dispersed camping occurs within this compartment throughout the year (T.M.N. 3/14)

**Fire Protection:**

Access is good with the forest road system and county roads. There is no history of large fires in the compartment. Dispersed camping and off road vehicles can be a potential fire starts. BET5-14

**Additional Compartment Information:**

The following reports from the Inventory are attached:

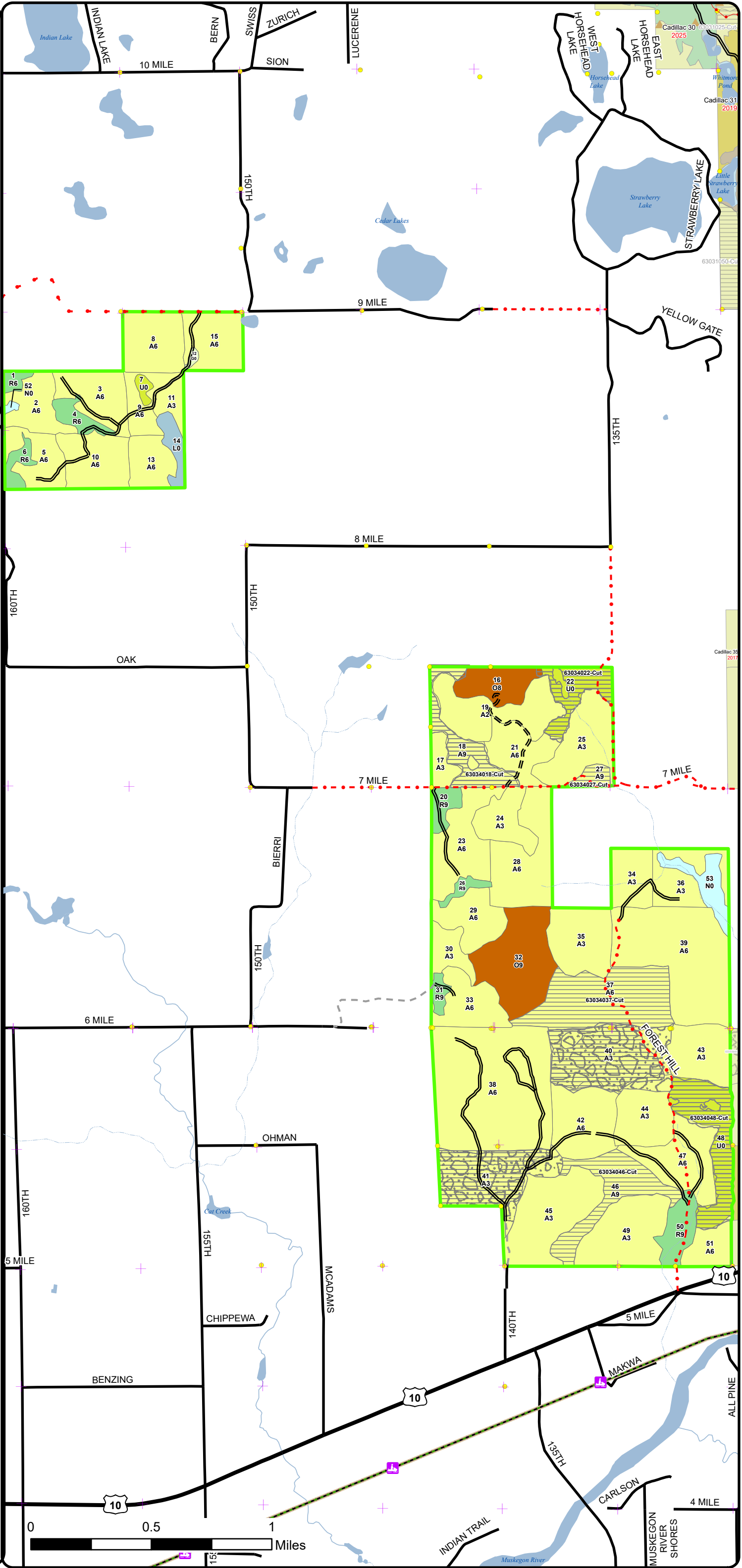
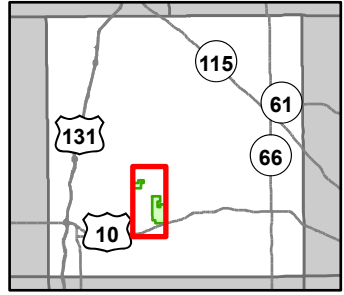
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

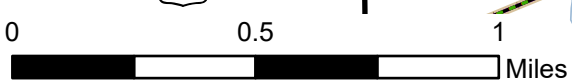
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

# Cover Type & Treatments Map

Compartment: 63034  
 T18N, R9W, Sec: 21, 26, 27, 34, 35  
 County: Osceola  
 Unit: Cadillac  
 Mgmt Area: Cadillac Moraines  
 YOY: 2026  
 Acres: 1916.7 GIS Calculated  
 Examiner: James Park  
 Map Revised: 7/19/2024  
 Map Phase: Web Post

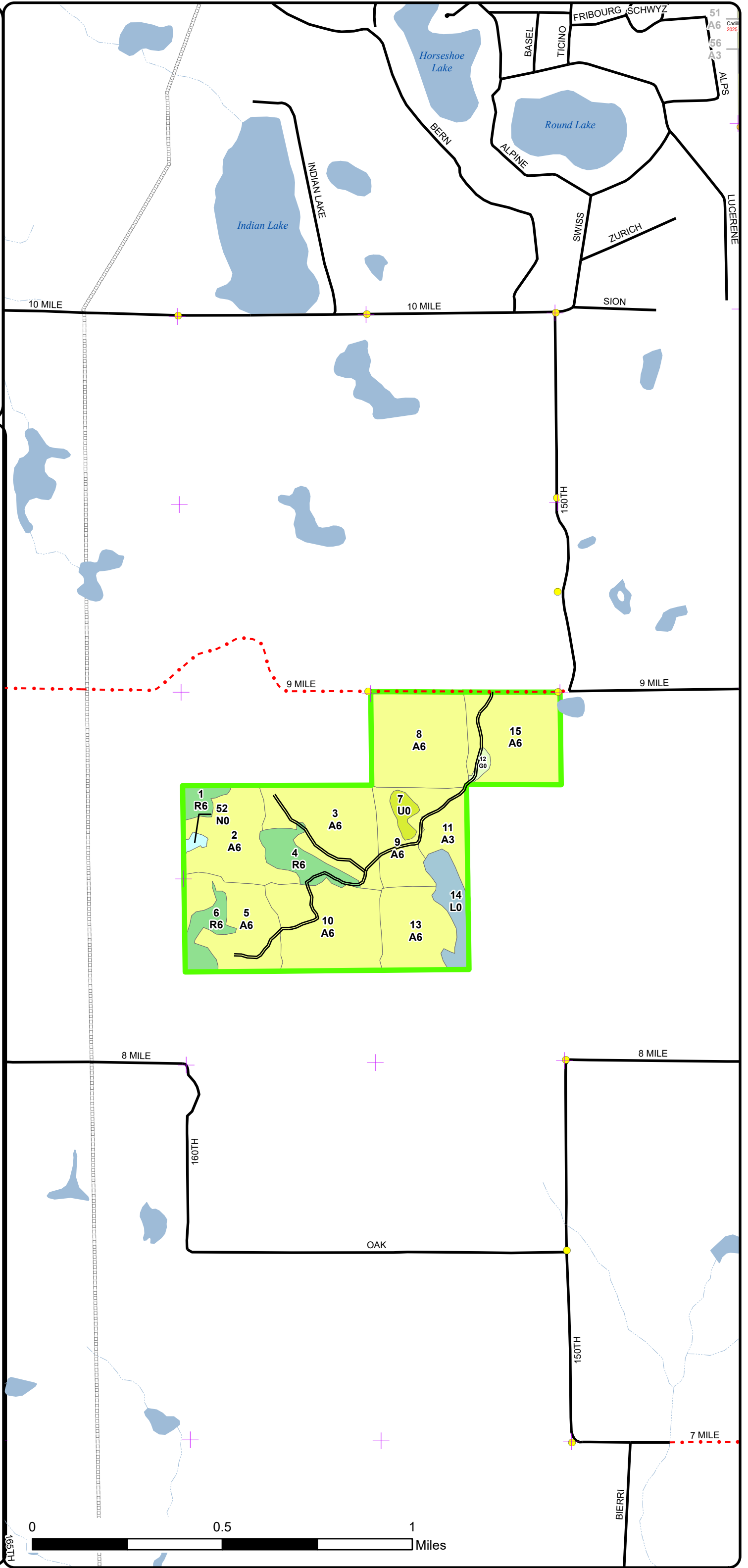
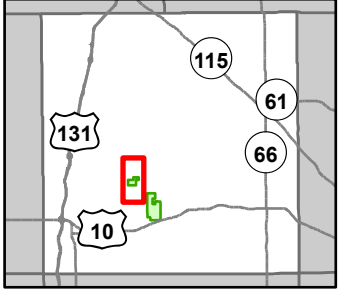


- Bike Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- ORV License & Trail Permit
- Designated Snowmobile Trails
- Designated RailTrail
- Remonumented Section Corners
- Survey Grade Corners
- Berms
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Counties
- Compartment Boundary
- Clearcut (w/Reserves)
- Clearcut (w/Reserves)
- Regeneration Survey
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland



**Cover Type & Treatments Map**

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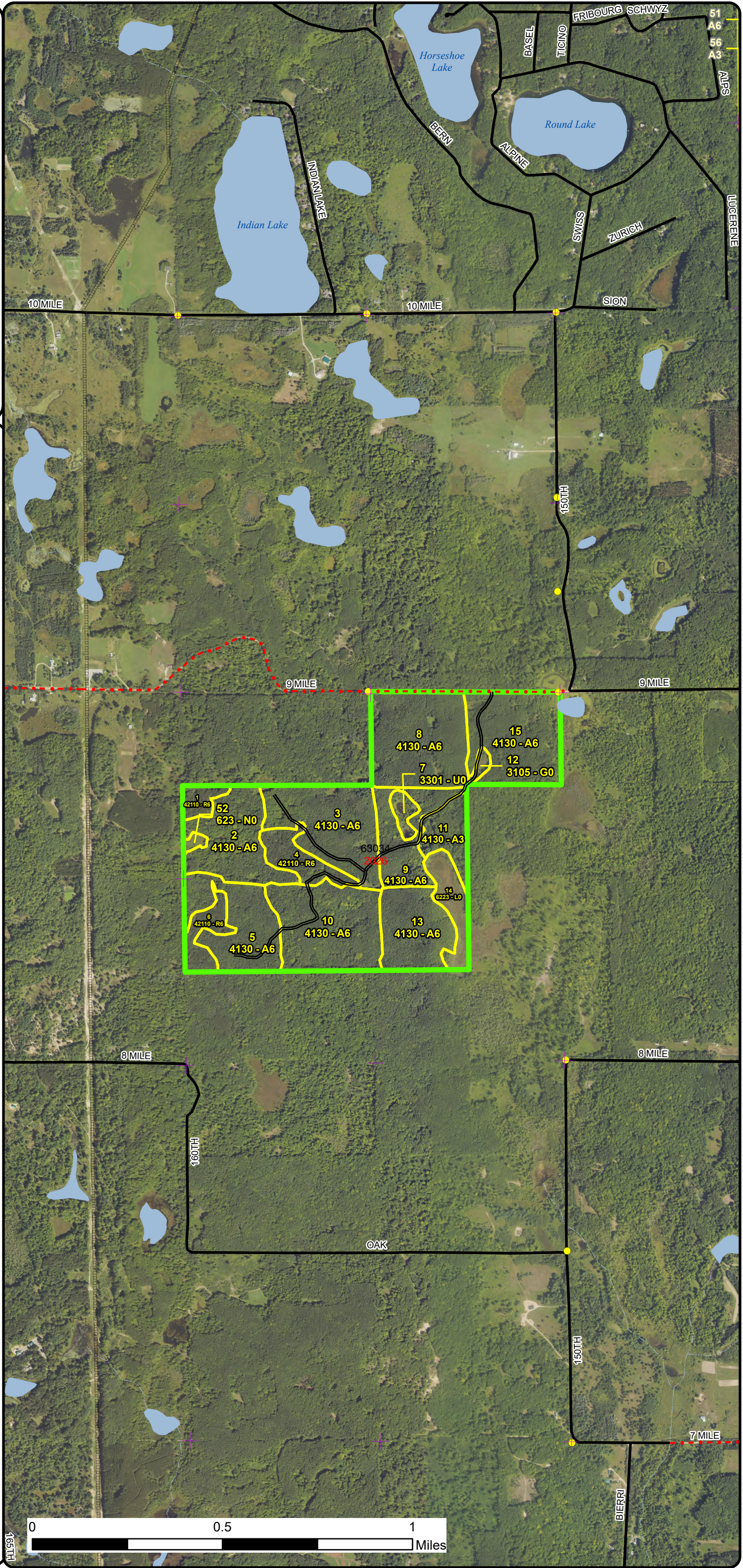
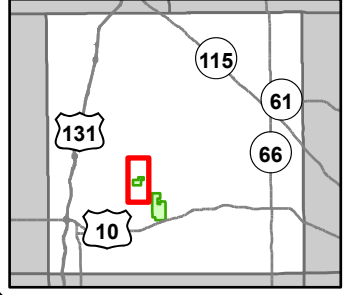


- + Remonumented Section Corners
- Survey Grade Corners
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- Lakes and Rivers
- Intermittent Stream
- Lake/Pond
- Pipeline
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- 413 - Aspen Types
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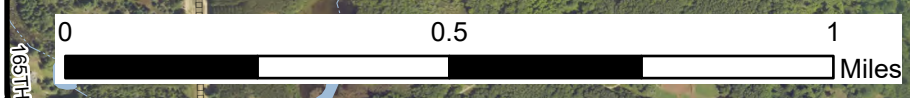


**Stand Boundary Map**

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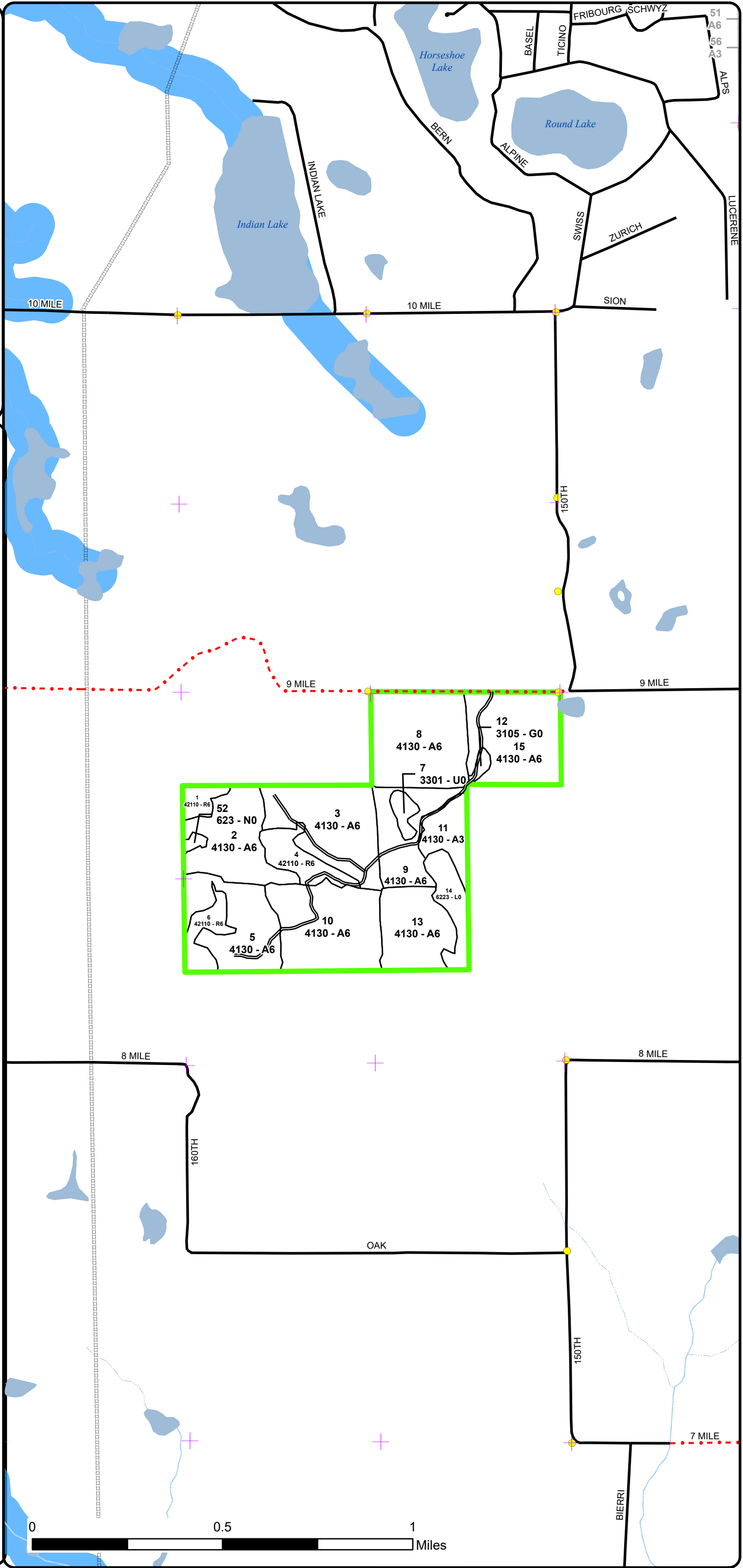
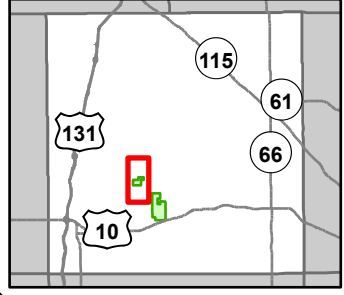


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- State Forests



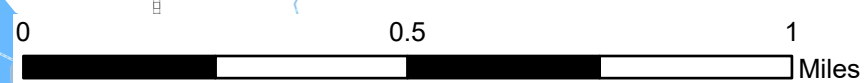
# Special Conservation Areas & Site Conditions Map

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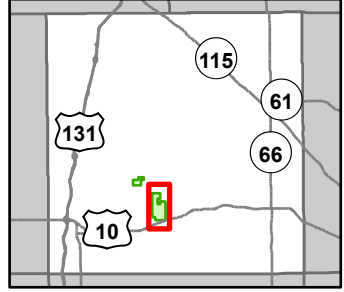
- + Remonumented Section Corners
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- DNR - Secondary Forest Road
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- Pipeline
- Counties
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

12 3105 - G0  
 15 4130 - A6  
 8 4130 - A6  
 7 3301 - U0  
 11 4130 - A3  
 3 4130 - A6  
 9 4130 - A6  
 14 6223 - L0  
 13 4130 - A6  
 10 4130 - A6  
 5 4130 - A6  
 2 4130 - A6  
 4 42110 - R6  
 6 42110 - R6  
 52 623 - N0  
 1 42110 - R6

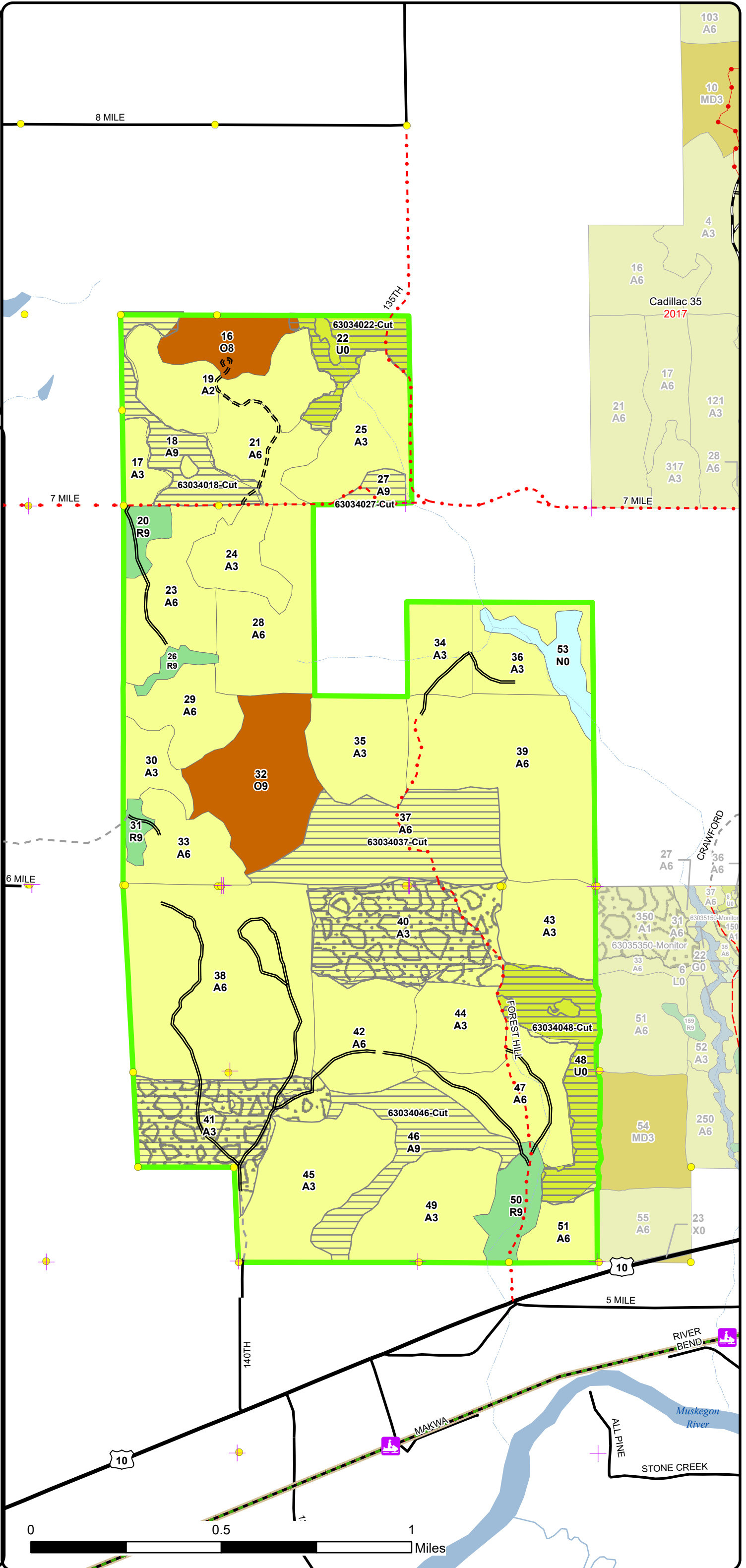


# Cover Type & Treatments Map

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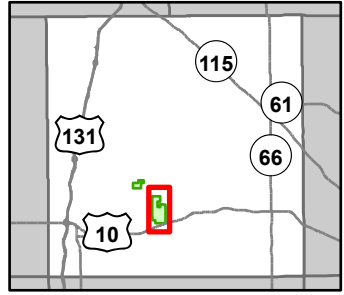


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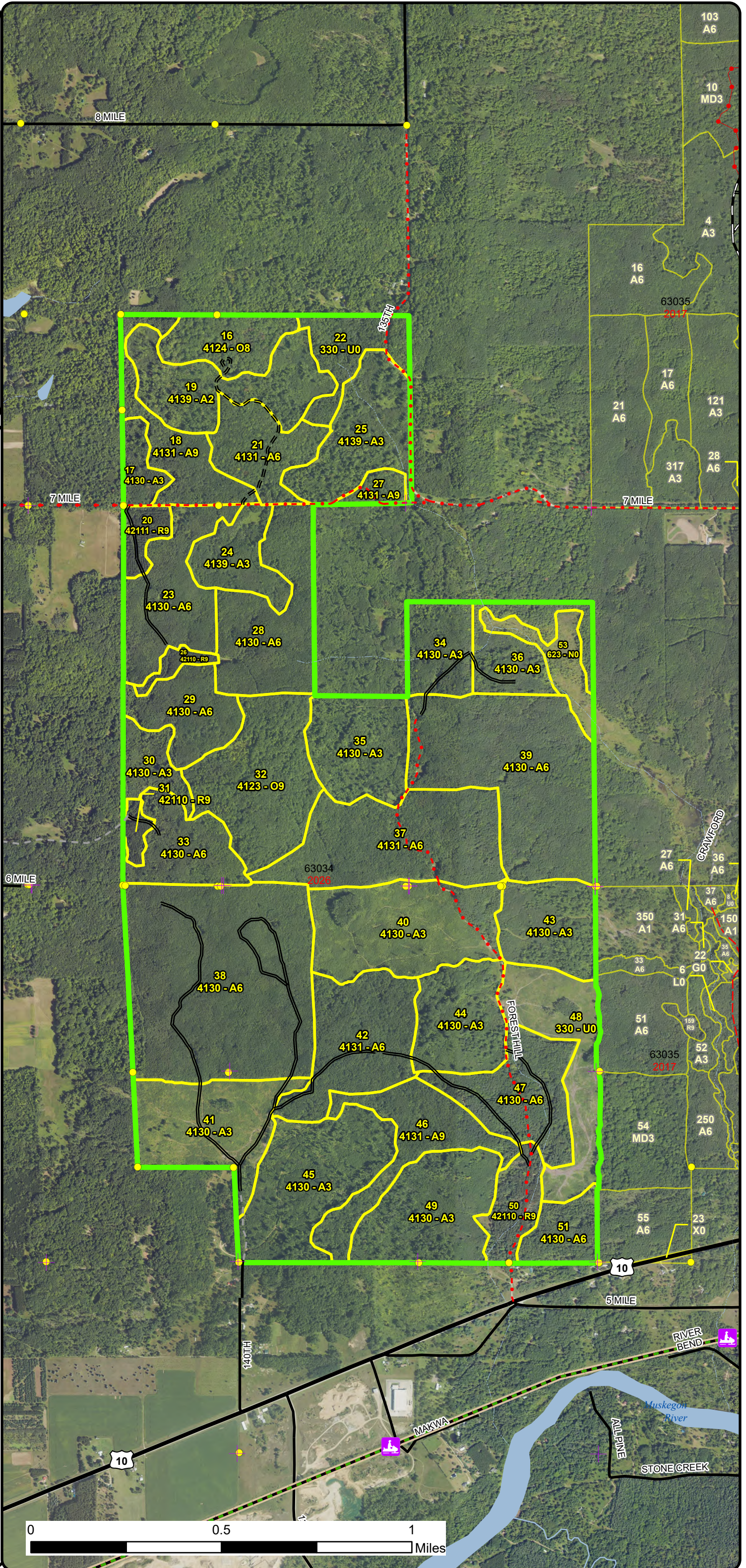


Stand Boundary  
Map

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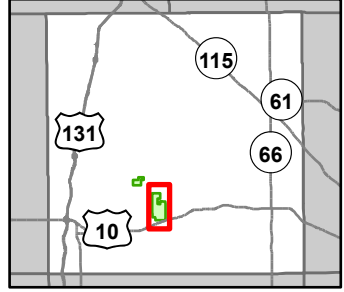
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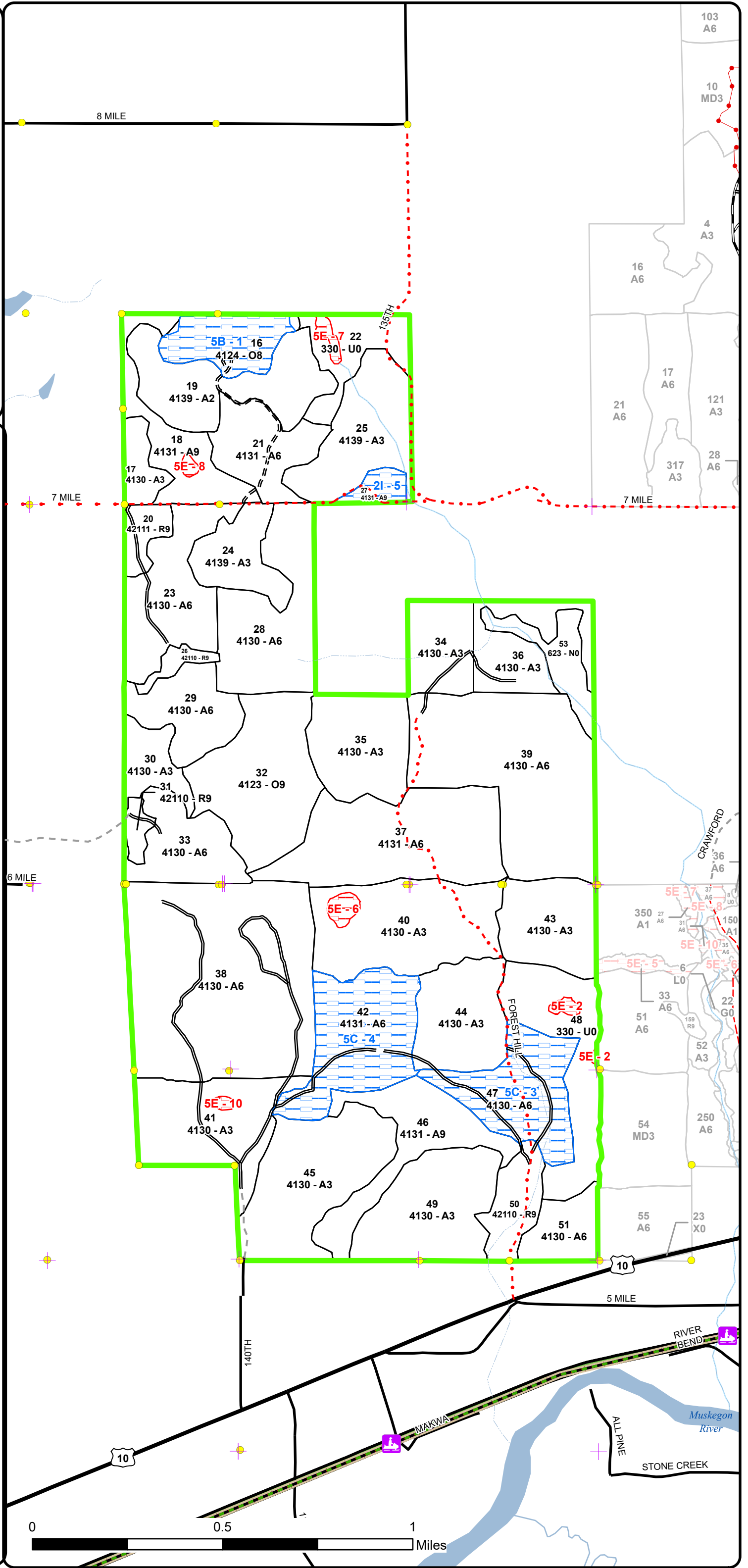


# Special Conservation Areas & Site Conditions Map

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- Lake/Pond
- Perennial River
- Counties
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 21: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site
- 5E: Long-Term Retention
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Trail - Trail Corridor



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	129	475	353	402	0	223	53	0	0	0	0	0	0	0	0	0	0	1635
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Lowland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Oak	0	0	0	0	0	0	0	0	68	0	28	0	0	0	0	0	0	0	96
Red Pine	0	0	0	0	0	26	44	0	0	0	0	0	0	0	0	0	0	0	70
<b>Total</b>	<b>116</b>	<b>129</b>	<b>475</b>	<b>353</b>	<b>402</b>	<b>26</b>	<b>267</b>	<b>53</b>	<b>68</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1917</b>



## Report 2 – Treatment Summary

Cadillac Mgt. Unit

Compartment 34

Year of Entry: 2026

Acres of Harvest

Total Compartment Acres: 1,917

Commercial Harvest - 236  
 Harvests with Site Condition - 8  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshory Removal	Salvage	Other	Total Acres
Aspen	168	0	0	0	0	0	0	0	0	168
Low-Density Trees	75	0	0	0	0	0	0	0	0	75
<b>Total</b>	<b>243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>243</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	243	0	0	0	0	0	0	0	0	243
Next Step	0	0	0	0	0	0	243	0	0	243
<b>Total</b>	<b>243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>243</b>	<b>0</b>	<b>0</b>	<b>487</b>



S t 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
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**Proposed Treatments:**

<b>27</b>	<b>63034027-Cut</b>	7.5	4131 - Aspen, Oak	Sawtimber Well	63	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest this stand using a clearcut. Mark quality oak for retention within the stand along the ridges. Do not exceed 10BA with retention</p> <p><u>Specs:</u> to meet clearcut standards. Use grouse drumming log spec, use oak wilt no exceptions.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen, oak spp., maple spp., black cherry, white pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>37</b>	<b>63034037-Cut</b>	82.4	4131 - Aspen, Oak	Poletimber Well	54	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with standard retention in the form of islands. Split stand into two PUs using the road. Use oak wilt with exceptions spec. Use</p> <p><u>Specs:</u> grouse drumming log spec and tops spec.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen, oak spp., maple spp., pine spp, and other native upland deciduous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>46</b>	<b>63034046-Cut</b>	45.4	4131 - Aspen, Oak	Sawtimber Well	64	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest. Clearcut with island retention. Use grouse drumming log spec. Use brush pile spec. Use oak wilt with exceptions spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen spp., oak spp., maple sp., black cherry, beech.</p> <p><u>Other Comment:</u> Retain windthrown oak that have blown into the stand. These provide habitat and structure that we would like to keep in place. Do not allow the operation to remove or chip these. Flag or paint if necessary.</p> <p>There is an old access route through the stand that can be utilized during harvest. It is a well traveled road that is not mapped. Discuss with UM on how to proceed with the route after the sale.</p> <p>Put one retention island in the southern finger where there is a higher component of oak.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

**Approved Treatments:**

<b>18</b>	<b>63034018-Cut</b>	32.8	4131 - Aspen, Oak	Sawtimber Well	54	Unspecified	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. Leave drumming logs for grouse. Retention will be left around unique features such as areas of oak or pine</p> <p><u>Specs:</u> components that will provide mast and/or other habitat benefits. All Legacy Trees will be protected. Leave all white oak</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Acceptable Regen: Medium to fully stocked stand dominated by aspen with any mixture of red maple, oak and pine.

Other Comment:

Site Condition

Proposed Start Date: 6 /1 /2018

<b>22</b>	<b>63034022-Cut</b>	26.1	330 - Low-Density Trees	Nonstocked	0	Unspecified	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription Specs: Clear-cut with retention. Leave drumming logs for grouse. Retention will be left around unique features such as areas of oak or pine components that will provide mast and/or other habitat benefits. All Legacy Trees will be protected.

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

Acceptable Regen: Acceptable regeneration will be a medium to fully stocked stand dominated by aspen with any mixture of red maple, oak and pine.

Other Comment:

Site Condition

Proposed Start Date: 6 /1 /2018

<b>48</b>	<b>63034048-Cut</b>	49.1	330 - Low-Density Trees	Nonstocked	0	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clear-cut with retention. Leave drumming logs for grouse. Retention will be left around unique features such as areas of oak or pine components that will provide mast and/or other habitat benefits. All Legacy Trees will be protected.

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

Acceptable Regen: Acceptable regeneration will be a medium to fully stocked stand dominated by aspen with any mixture of red maple, oak and pine.

Other Comment:

Site Condition

Proposed Start Date: 6 /1 /2018

**Total Treatment Acreage Proposed: 243.3**

## Report 4 – Site Conditions

Cadillac Mgt. Unit  
James Park : Examiner

Compartment: 34  
Year of Entry: 2026

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2I	5B	5C	5E
1636	1516	<b>114</b>	6	Aspen	7		107	6
2	2	0	0	Herbaceous Openland				
81	77	0	4	Low-Density Trees				4
12	12	0	0	Lowland Shrub				
21	21	0	0	Marsh				
96	69	27	0	Oak		27		
69	69	0	0	Red Pine				
1,918	1,766	<b>141</b>	10	Total Forested Acres	7	27	107	10
	92%	<b>7%</b>	1%	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	Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								
2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	48	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								

**Report 4 – Site Conditions**

Cadillac Mgt. Unit  
James Park : Examiner

Compartment: 34  
Year of Entry: 2026

4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2I: Survey needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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### 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.

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	42110 - Planted Red Pine	Poletimber Well	5.0	44	141-170	N/A	Thinned 1997.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		5	Pole	6		Red Maple	
Black Cherry		5	Pole	6		Density	
Red Pine		90	Log	12	44	Avg. Height	
						Size	
						10 - 20 feet	
						Sapling	
2	4130 - Aspen	Poletimber Well	29.1	28	51-80	N/A	Scattered vernal ponds in stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		10	Sapling	4			
Red Oak		5	Sapling	4			
Bigtooth Aspen		80	Pole/Sapling	5	28		
Black Cherry		5	Sapling	4			
3	4130 - Aspen	Poletimber Well	36.4	37	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		5	Pole	6		Red Maple	
Red Oak		5	Pole	5		Density	
Black Cherry		5	Pole	5		Avg. Height	
Bigtooth Aspen		85	Pole	7	37	Size	
						10 - 20 feet	
						Sapling	
4	42110 - Planted Red Pine	Poletimber Well	11.8	44	141-170	N/A	Scattered red pine pockets. Thinned 1997.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		90	Log	12	44	Red Maple	
Red Oak		5	Pole	6		Density	
Black Cherry		5	Pole	6		Avg. Height	
						Size	
						10 - 20 feet	
						Sapling	
5	4130 - Aspen	Poletimber Well	28.6	36	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Cherry		5	Pole	5		Witch Hazel	
Bigtooth Aspen		83	Pole	7	36	Density	
Red Maple		10	Pole	6		Avg. Height	
Paper Birch		2	Pole	5		Size	
						5 - 10 feet	
						Tall Shrub	
						10 - 20 feet	
						Sapling	
6	42110 - Planted Red Pine	Poletimber Well	8.9	44	141-170	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		95	Log	12	44	Beech	
Black Cherry		5	Pole	6		Density	
						Avg. Height	
						Size	
						10 - 20 feet	
						Sapling	
						10 - 20 feet	
						Sapling	
7	3301 - Low Density Deciduous Trees	Nonstocked	3.7		Unspecified	No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	4130 - Aspen	Poletimber Well	40.7	34	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		5	Sapling	3		Black Cherry	
Black Cherry		5	Pole	5		Low	
Paper Birch		1	Pole/Sapling	5		Medium	
Bigtooth Aspen		80	Pole	7	34	10 - 20 feet	
Red Maple		9	Pole	6		10 - 20 feet	
						Sapling	
						Sapling	
9	4130 - Aspen	Poletimber Well	19.8	28	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Bigtooth Aspen		80	Pole/Sapling	5	28		
Red Oak		5	Sapling	3			
Black Cherry		5	Sapling	4			
Red Maple		10	Sapling	4			
10	4130 - Aspen	Poletimber Well	39.5	28	1-50	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Black Cherry		5	Sapling	3			
Red Maple		10	Sapling/Pole	4			
Bigtooth Aspen		80	Pole/Sapling	5	28		
Red Oak		5	Sapling	3			
11	4130 - Aspen	Sapling Well	11.8	17	Unspecified	N/A	Scattered overstory oak.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Oak		5	XLog	20			
Bigtooth Aspen		80	Sapling	2	17		
Red Maple		5	Sapling	1			
Black Cherry		5	Sapling	1			
Red Oak		5	Sapling	1			
12	3105 - Mixed Upland Herbaceous	Nonstocked	1.7		Unspecified	No	
13	4130 - Aspen	Poletimber Well	24.3	36	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Cherry		5	Pole	5		Red Maple	
Red Oak		5	Sapling	4		High	
Bigtooth Aspen		80	Pole	7	36	Medium	
Red Maple		10	Pole	5		10 - 20 feet	
						10 - 20 feet	
						Sapling	
						Tall Shrub	
14	6223 - Inundated Shrub Swamp	Nonstocked	12.0		Unspecified	No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>15</b>	4130 - Aspen	Poletimber Well	36.7	28	51-80	N/A	CC 1996. Some scattered overstory oak and cherry.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Sapling	4	
Red Maple	10	Sapling	4	
Bigtooth Aspen	80	Pole/Sapling	5	28

<b>16</b>	4124 - Red with White Oak	Sawtimber Medium	27.8	91	51-80	N/A	Shelterwood cut 1996. heavy red maple understory.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	20	XLog/Log	18	
Red Oak	60	XLog/Log	18	91
Red Maple	20	Sapling/Pole	4	28

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	Variable	Sapling
White Oak	Low	Variable	Sapling
Black Cherry	Low	Variable	Sapling
Red Maple	High	Variable	Sapling

<b>17</b>	4130 - Aspen	Sapling Well	12.0	18	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	
Bigtooth Aspen	60	Sapling	3	18
Red Oak	10	Sapling	2	
Black Cherry	10	Sapling	2	

<b>18</b>	4131 - Aspen, Oak	Sawtimber Well	33.6	54	Unspecified	N/A	Stand is part of an active timber sale and has been partially removed as of 4/2024.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	15	Log	14	
Bigtooth Aspen	55	Pole/Log	10	54
White Oak	5	Pole/Log	8	
Black Cherry	5	Pole	8	
Red Maple	20	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	Sapling

<b>19</b>	4139 - Aspen, Mixed Deciduous	Sapling Medium	51.6	11	Immature	N/A	Harvested 2013
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Log	14	91
Red Oak	3	Log	15	
Red Maple	30	Sapling	2	
White Oak	2	Sapling	1	
Black Cherry	5	Sapling	2	
Red Oak	3	Sapling	1	
White Oak	2	Log	14	
Bigtooth Aspen	50	Sapling	2	11



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	11.0	57	141-170	N/A	Thinned 1996. Small pocket of aspen on north end of stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	80	Log	14	57	Red Maple	High	10 - 20 feet	Sapling
Red Maple	10	Pole/Log	10					
Bigtooth Aspen	10	Pole/Log	10					

21	4131 - Aspen, Oak	Poletimber Well	33.2	39	51-80	N/A	Variable diameters, some nice clones.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7		Red Oak	Low	10 - 20 feet	Sapling
Red Oak	10	Pole	6		Beech	Low	10 - 20 feet	Sapling
Bigtooth Aspen	70	Pole/Log	9	39	Red Maple	Low	10 - 20 feet	Sapling
White Oak	10	Log	10					

22	330 - Low-Density Trees	Nonstocked	26.9	0	Unspecified	413 - Aspen	Stand was cc in 2023/2024 as part of timbersale Bent Hook Aspen sale #63-023-19
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23	4130 - Aspen	Poletimber Well	49.4	28	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	5		Red Maple	Medium	10 - 20 feet	Sapling
Red Oak	10	Sapling	4		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Black Cherry	10	Sapling	4					
Bigtooth Aspen	60	Pole	6	28				

24	4139 - Aspen, Mixed Deciduous	Sapling Well	26.5	17	Unspecified	N/A	Stand CC 2006.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	10	Sapling	2	
Red Maple	30	Sapling	2	
Red Oak	5	Sapling	2	
Bigtooth Aspen	55	Sapling	3	17

25	4139 - Aspen, Mixed Deciduous	Sapling Well	48.3	17	Unspecified	N/A	Stand harvested 2007. Scattered overstory oak.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Sapling	2	
Bigtooth Aspen	50	Sapling	3	17
Black Cherry	10	Sapling	2	
Red Oak	3	Log	14	
Black/Red (Hybrid) Oak	5	Log/XLog	16	91
White Oak	2	Log	14	
Red Maple	20	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	42110 - Planted Red Pine	Sawtimber Well	5.7	57	141-170	N/A	Thinned 1996.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		95	Log	14	57	Red Maple	
Red Oak		5	Log	12		Medium	
						10 - 20 feet	
						Sapling	
27	4131 - Aspen, Oak	Sawtimber Well	7.5	63	111-140	N/A	Final harvest. Retain some red oaks along the ridge.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Bigtooth Aspen		60	Log	10	63	Red Maple	
Red Maple		20	Log	12		Medium	
Red Oak		20	Log	12		10 - 20 feet	
						Sapling	
28	4130 - Aspen	Poletimber Well	59.2	38	81-110	N/A	Pole stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		20	Pole	6		Red Maple	
Bigtooth Aspen		70	Pole/Log	8	38	Medium	
Red Oak		10	Sapling	4		5 - 10 feet	
						Sapling	
29	4130 - Aspen	Poletimber Well	32.8	28	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		10	Sapling	4		Red Maple	
Red Maple		20	Pole/Sapling	5		Medium	
Bigtooth Aspen		60	Pole/Sapling	6	28	Low	
Black Cherry		10	Pole/Sapling	5		5 - 10 feet	
						Tall Shrub	
30	4130 - Aspen	Sapling Well	17.3	16	Unspecified	N/A	Scattered overstory oak.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		20	Sapling	1			
Bigtooth Aspen		60	Sapling	2	16		
Black Cherry		10	Sapling	1			
Red Oak		10	Sapling	1			
31	42110 - Planted Red Pine	Sawtimber Well	5.8	57	141-170	N/A	Thinned 1996.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		5	Log	12		Red Maple	
Red Pine		95	Log	14	57	High	
						10 - 20 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**32** 4123 - Red Oak Sawtimber Well 68.4 71 81-110 N/A Quality oak stand. Some pockets of aspen. Variable age and diameter.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole/Log	10		Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	20	Log	12					
Red Oak	60	Log	15	71				
Bigtooth Aspen	15	Pole/Log	10					

**33** 4130 - Aspen Poletimber Well 33.8 28 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	60	Pole	5	28	Red Maple	Medium	5 - 10 feet	Sapling
Red Oak	10	Sapling	4					
Red Maple	30	Sapling	4					

**34** 4130 - Aspen Sapling Well 27.1 18 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Sapling	2	
Red Maple	25	Sapling	2	
Bigtooth Aspen	65	Sapling	3	18

**35** 4130 - Aspen Sapling Well 43.8 18 Unspecified N/A Scattered overstory oak.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	10	Sapling	1	
Bigtooth Aspen	60	Sapling	3	18
Red Maple	20	Sapling	2	
Red Oak	10	Sapling	1	

**36** 4130 - Aspen Sapling Well 32.8 18 Immature N/A Scattered overstory oak.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	60	Sapling	3	18
Black Cherry	10	Sapling	1	
Red Oak	10	Sapling	1	
Red Maple	20	Sapling	3	

**37** 4131 - Aspen, Oak Poletimber Well 82.4 54 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Pole/Log	10		Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	60	Pole/Log	10	54	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Oak	10	Pole/Log	10					
Red Maple	10	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	4130 - Aspen	Poletimber Well	159.8	36	81-110	N/A	Not ready for harvest.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Cherry		5	Pole	6		Red Maple	
Red Oak		10	Pole	5		Density	Avg. Height
Bigtooth Aspen		75	Pole	8	36	Medium	10 - 20 feet
Red Maple		10	Pole	6			Size
							Sapling
39	4130 - Aspen	Poletimber Well	112.2	28	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		5	Sapling	3		Red Maple	
Bigtooth Aspen		65	Pole/Sapling	6	28	Density	Avg. Height
Black Cherry		10	Pole/Sapling	5		Medium	10 - 20 feet
Red Maple		20	Pole/Sapling	5			Size
							Sapling
40	4130 - Aspen	Sapling Well	71.7	6	Immature	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		20	Sapling	1		Red Oak	
Black Cherry		10	Sapling	1		Density	Avg. Height
Bigtooth Aspen		70	Sapling	1	6	Low	< 5 feet
							Size
							Sapling
						Blackberry/Raspberry	5 - 10 feet
							Tall Shrub
						White Oak	< 5 feet
							Sapling
41	4130 - Aspen	Sapling Well	57.4	5	Immature	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Bigtooth Aspen		65	Sapling	1	5	Red Oak	
Black Cherry		10	Sapling	1		Density	Avg. Height
Red Maple		25	Sapling	1		Trace	< 5 feet
							Size
							Sapling
						White Oak	< 5 feet
							Sapling
42	4131 - Aspen, Oak	Poletimber Well	58.3	54	111-140	N/A	Hold until next entry.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Bigtooth Aspen		70	Log/Pole	10	54	Red Maple	
Red Maple		10	Log	12		Density	Avg. Height
Red Oak		15	Log	12		High	10 - 20 feet
White Oak		5	Pole/Log	10			Size
							Sapling
43	4130 - Aspen	Sapling Well	37.5	11	Immature	N/A	Harvested 2013
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Bigtooth Aspen		65	Sapling	2	11	Red Oak	
Red Maple		30	Sapling	2		Density	Avg. Height
Black Cherry		5	Sapling	2		Trace	< 5 feet
							Size
							Sapling
						White Oak	< 5 feet
							Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
44	4130 - Aspen	Sapling Well	41.6	11	Immature	N/A	Harvested 2013
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Cherry		5	Sapling	2		Red Oak	
Bigtooth Aspen		65	Sapling	2	11	Density	
Red Maple		30	Sapling	2		Avg. Height	
						Size	
						Red Oak	
						Low	
						< 5 feet	
						Sapling	
45	4130 - Aspen	Sapling Well	68.2	11	Immature	N/A	Harvested 2013. A few overstory oaks scattered (mostly dead)
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Black Cherry		5	Sapling	1			
Bigtooth Aspen		60	Sapling	2	11		
Red Maple		35	Sapling	2			
46	4131 - Aspen, Oak	Sawtimber Well	45.4	64	111-140	N/A	Beautiful aspen stand with some nice red and white oak mixed in. Not much in the way of oak regen anywhere in the stand. Some of the oak are beginning to fall into the stand. Final harvest with island retention.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		20	Log/Pole	12		Red Maple	
Red Oak		15	Log/XLog	15		Density	
Bigtooth Aspen		50	Log	12	64	Avg. Height	
White Oak		10	Log	13		Size	
Black Cherry		5	Log/Pole	12		Red Maple	
						High	
						10 - 20 feet	
						Sapling	
47	4130 - Aspen	Poletimber Well	48.4	54	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Beech		10	Pole	8		Red Maple	
Quaking Aspen		40	Pole	9	54	Density	
Bigtooth Aspen		25	Log/Pole	11		Avg. Height	
Red Maple		15	Pole	8		Size	
Black Cherry		10	Pole	8		Red Maple	
						Medium	
						10 - 20 feet	
						Sapling	
48	330 - Low-Density Trees	Nonstocked	50.8	0	Unspecified	413 - Aspen	Stand harvested in 2021 as part of Bent hook aspen. Clearcut with retention island.
49	4130 - Aspen	Sapling Well	56.7	11	Immature	N/A	Harvested 2013.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		25	Sapling	2			
White Oak		3	Sapling	1			
Black/Red (Hybrid) Oak		2	Sapling	1			
Black Cherry		5	Sapling	2			
Bigtooth Aspen		65	Sapling	2	11		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>50</b>	42110 - Planted Red Pine	Sawtimber Well	21.3	54	141-170	N/A	Log sized red pine stand with white pine interspersed. Stand has never been thinned. There is a pocket of blowdown regenerating heavily to mixed upland deciduous. Stand can be thinned.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Bigtooth Aspen		3	Log/Pole	10		Red Maple		Medium
Red Maple		2	Pole/Log	8		Black Cherry		Low
White Pine		15	Log/Pole	12				
Red Pine		80	Log/Pole	12	54			
<b>51</b>	4130 - Aspen	Poletimber Well	19.8	36	81-110	N/A		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		20	Pole/Sapling	5		Red Maple		Medium
Quaking Aspen		70	Pole	7	36			
Red Oak		10	Sapling	4				
<b>52</b>	623 - Emergent Wetland	Nonstocked	1.4	0	Unspecified	No	Scattered vernal ponds in stand.	
<b>53</b>	623 - Emergent Wetland	Nonstocked	19.5	0	Unspecified	No	Scattered overstory oak.	