



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63018

Entry Year 2023

Acreage: 1,532

County Lake

Management Area: Lake County Outwash

Revision Date: 2021-06-08

Stand Examiner: Ryan Adamczyk

Legal Description:

T19N- R13W, Sections 25, 26, 35 and 36, Lake County.

Identified Planning Goals:

Vegetation management in the Lake County Outwash management area (MA) (Figure 4.29.1) will provide forest 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 will focus on harvesting older jack pine and balancing the age-class distribution of aspen. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation; maintaining soft and hard mast sources including oak; and preserving related recreational opportunity. Expected trends within this 10-year planning period are the need to minimize jack pine budworm damage by reducing the amount of more susceptible older jack pine; the need to regenerate oak and red pine; the need to target some accessible aspen in older age-classes for harvest; and increased recreational pressure. The Baldwin-Luther Swamp covers a large portion of the management area.

Soil and topography:

Compartment soils are primarily Rubicon sands. The topography ranges from rolling hills to slightly rolling hills.

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

The ownership around the compartment is mainly private recreation development (especially to the west and around Wolf Lake). Private development also occurs in the southern part of section 26 and the northern parts of sections 25 and 35.

Unique Natural Features:

This compartment contains broad moraine ridges, few kettle lakes, and somewhat excessively drained sand. There is potential for Dusted Skipper and Great Plains Spittlebug in grassy openings. Additionally, the Eastern Box Turtle has been located in portions of section 36.

Archeological, Historical, and Cultural Features:

There are no known significant historical features in this compartment.

Special Management Designations or Considerations:

The management of this compartment should continue towards mixed use.

Watershed and Fisheries Considerations:

There are no rivers or lakes within the boundaries of this compartment. However, Wolf Lake is located close to the west side of the compartment and offers good fishing opportunities for smallmouth bass, bluegill, and northern pike.

Wildlife Habitat Considerations:

Featured wildlife species in this Management Area are diverse reflecting the wide range of habitat types present. Featured Species for the MA include two which are not much of a focus in this compartment, Mallard and Wood duck. More applicable are American Martin, American Woodcock, Beaver, Black Bear, Eastern Massasauga rattlesnake, Golden-winged warbler, Pileated woodpecker, Red-headed woodpecker, Ruffed Grouse, Snowshoe Hare, Wild Turkey, and White Tailed deer. Most of these species benefit from young forest and open types while some require some old trees for foraging and nest/den sites. Maintaining the opening types and balancing harvests with a diverse assortment of age classes in the timber types will meet the goals for these species.

Mineral Resource and Development Concerns and/or Restrictions

In this compartment, surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured end moraine and glacial till. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is quarried for gypsum in other areas of the State. The nearest gravel pit is one-half mile to the south and potential in the compartment is considered to be good, especially the

south half. The nearest oil and gas production is Peacock Field located two miles to the northwest. The Peacock Field has produced over 1.6 million BO from the Devonian Traverse Limestone. None of the compartment is currently under lease.

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 needed.

Recreational Facilities and Opportunities:

The Little Manistee Snowmobile/ORV route and motorcycle trail run through section 36, providing motorized recreational opportunities year round. In the summer, the route is heavily used by ORVs and cycles. In winter, the Route is used by snowmobilers. Additionally, the area is used by hunters, berry pickers, and other recreational users.

Fire Protection:

Fuel type within this compartment would not support a crown fire. The mixture of private and state land ownership would be an urban interface concern. The compartment is divided with county and forest roads, making access good for fire equipment.

Additional Compartment Information:

The following reports from the Inventory are attached:

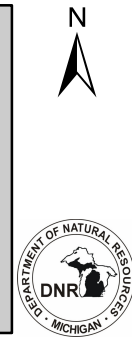
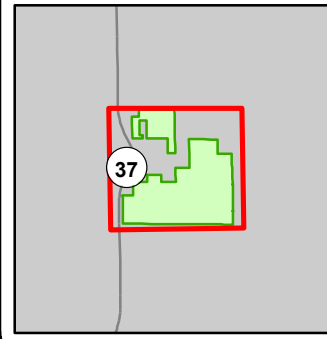
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

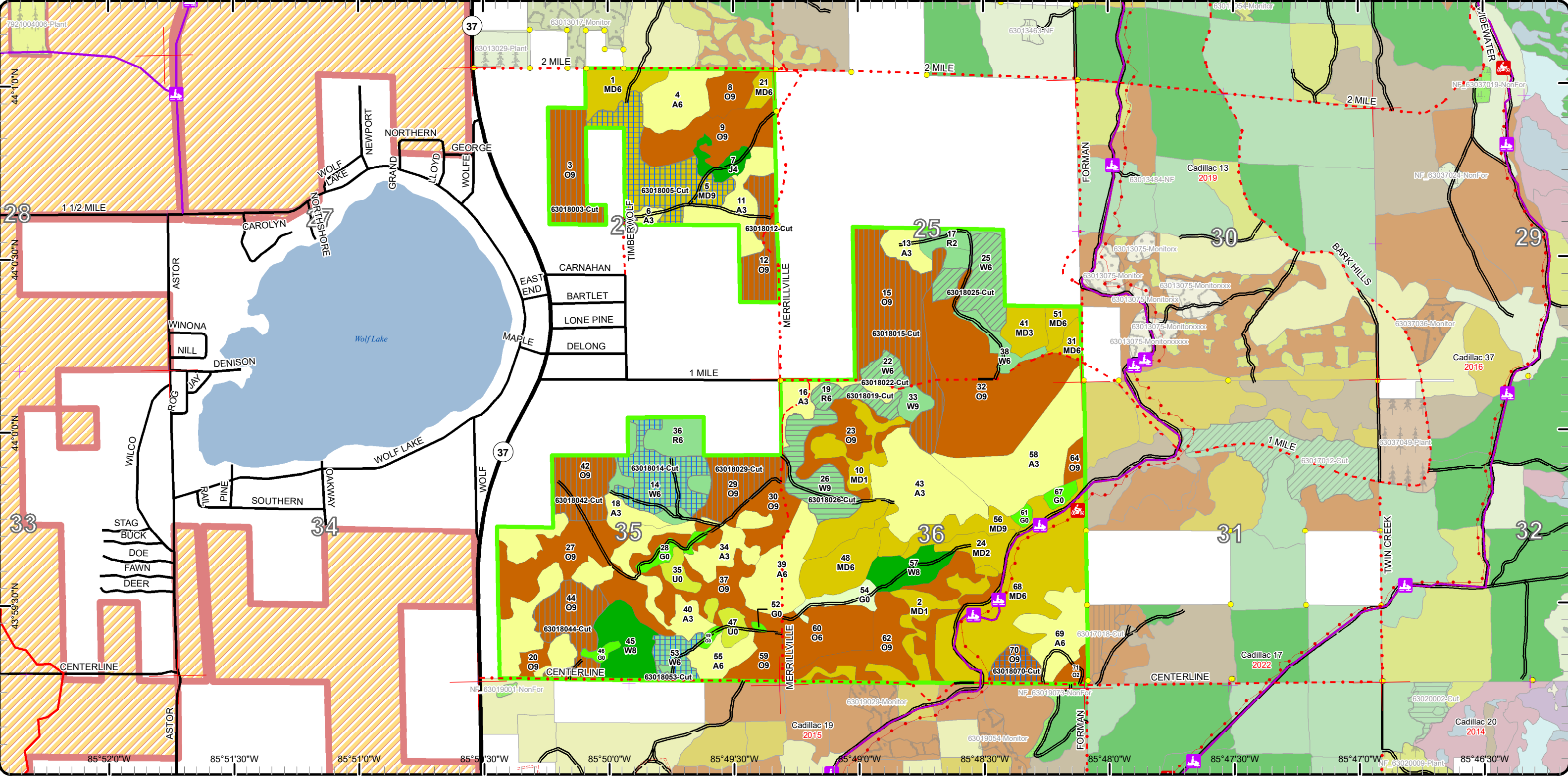
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 18
 T19N R13W Sec. 25,26,35,36
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County
 Outwash
 YOE: 2023
 Acres: 1531.9 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/17/2021
 Map Phase: Web-Post

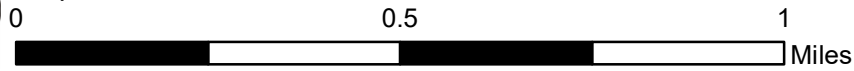


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- 📍 ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees

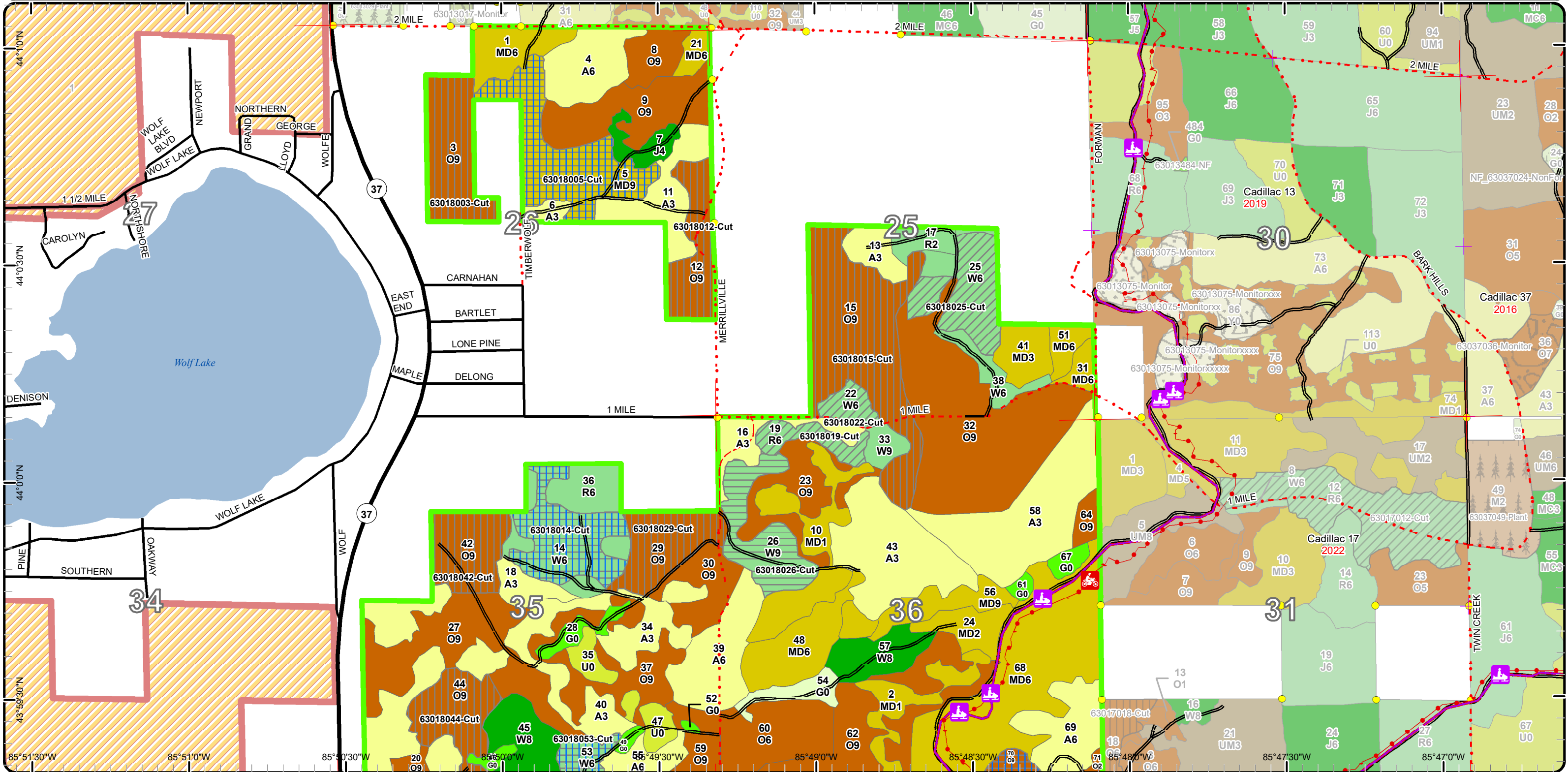


Cover Type & Treatments Map

Compartment: 18
 T19N R13W Sec. 25,26,35,36
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County
 Outwash
 YOE: 2023
 Acres: 1531.9 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/17/2021
 Map Phase: Web-Post

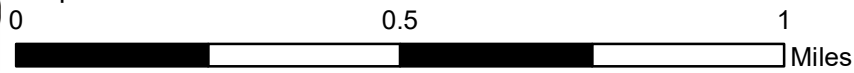


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees

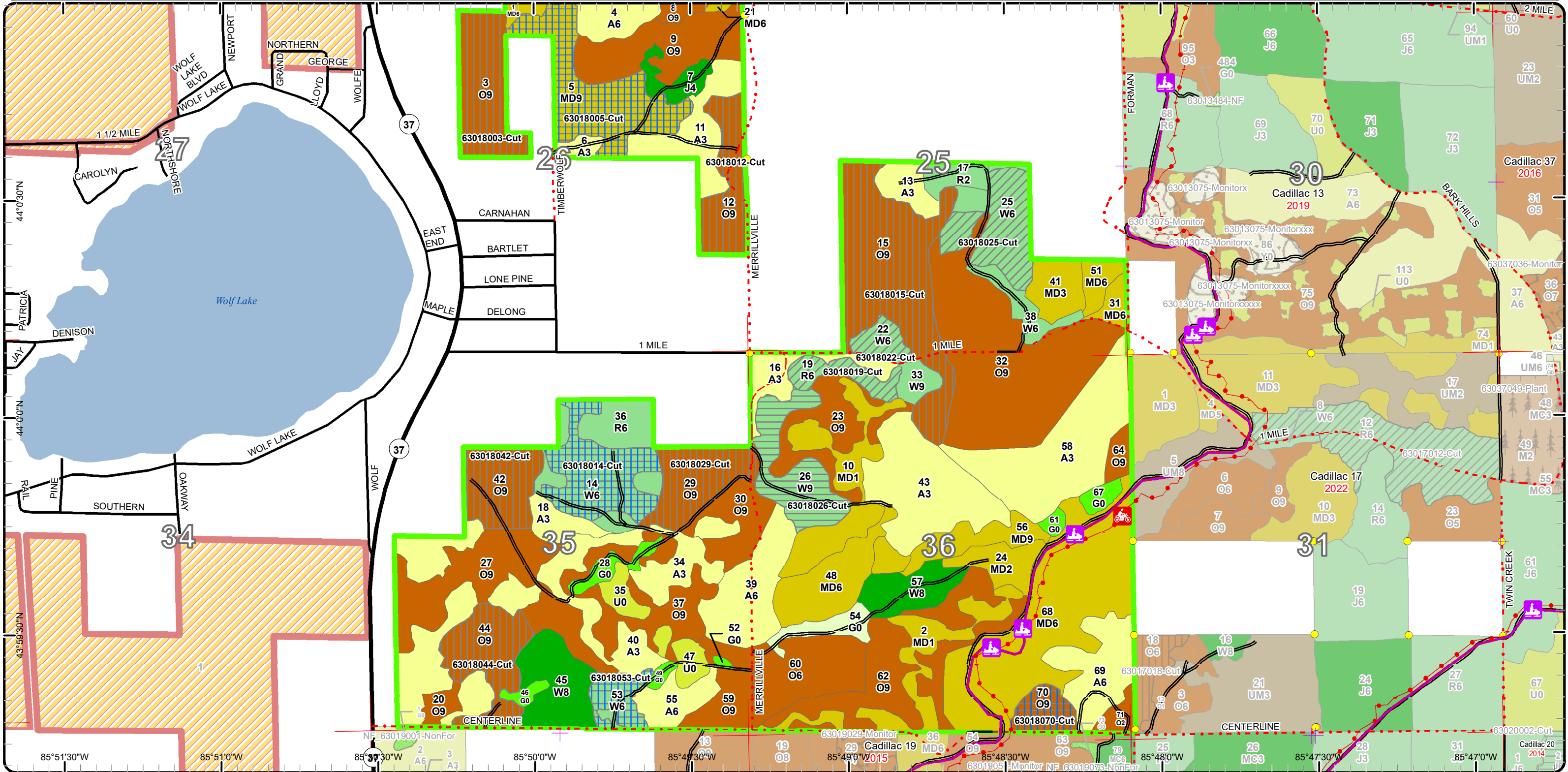


Cover Type & Treatments Map

Compartment: 18
 T19N R13W Sec. 25,26,35,36
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County
 Outwash
 YOE: 2023
 Acres: 1531.9 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/17/2021
 Map Phase: Web-Post

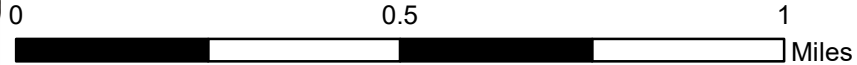


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees

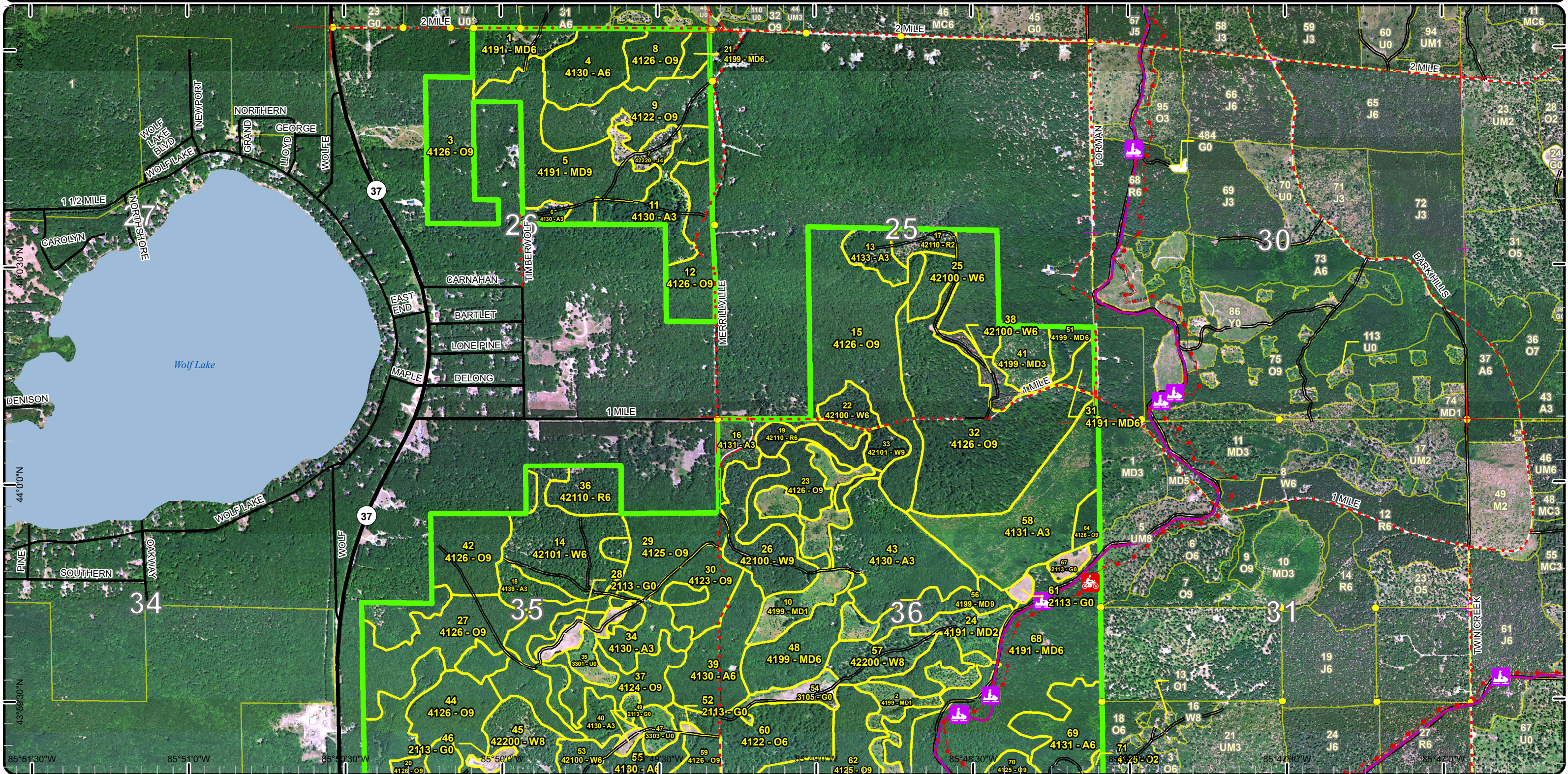


Stand Boundary Map

Compartment: 18
 T19N R13W Sec. 25,26,35,36
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County
 Outwash
 YOE: 2023
 Acres: 1531.9 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/17/2021
 Map Phase: Web-Post

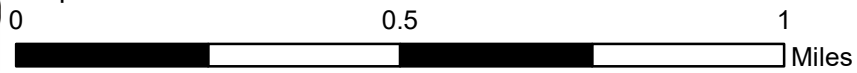


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🏍️ Motorcycle Trails (DNR License)
- 🚲 ORV Routes
- 🚲 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees

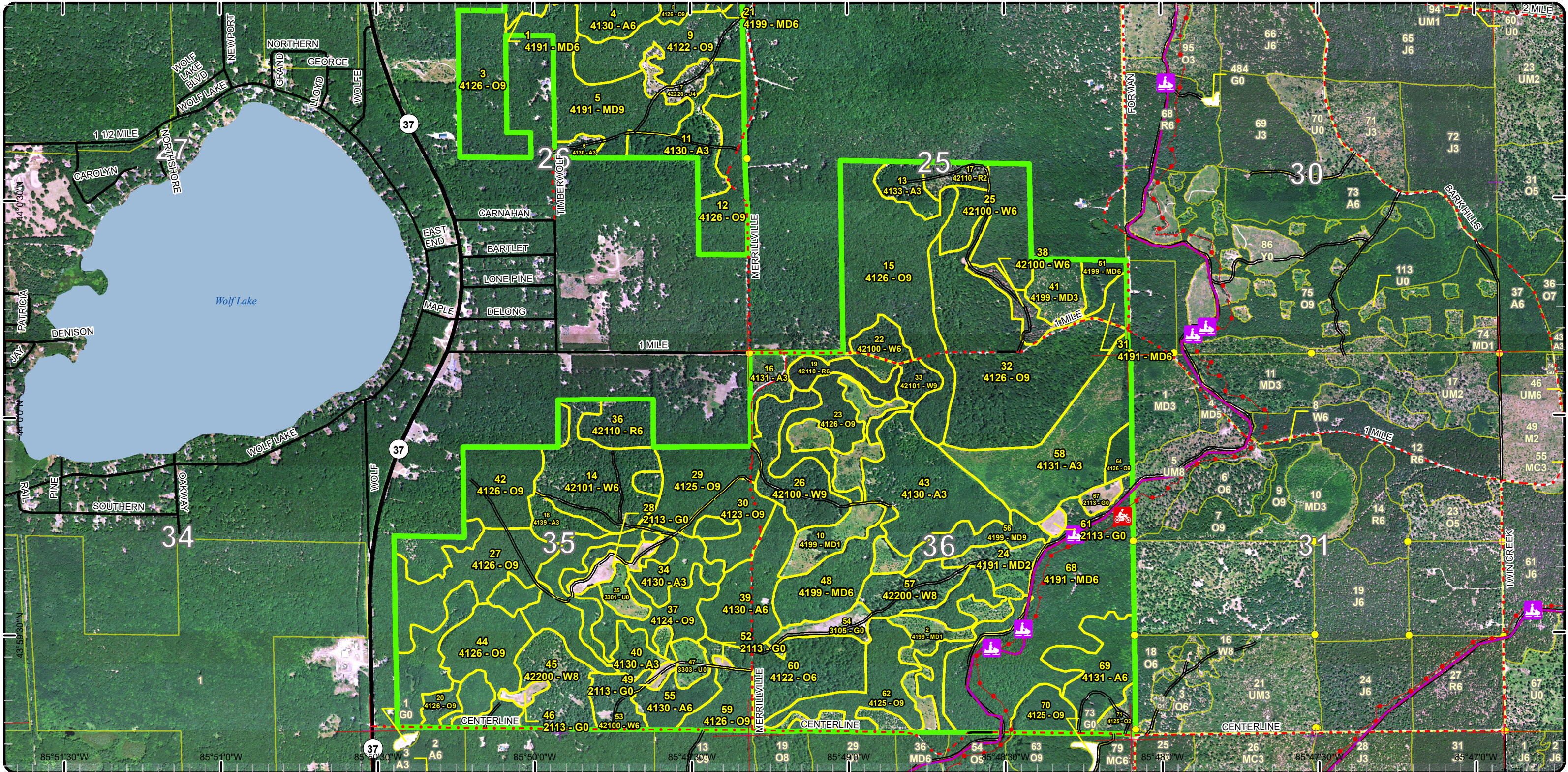


Stand Boundary Map

Compartment: 18
 T19N R13W Sec. 25,26,35,36
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County
 Outwash
 YOE: 2023
 Acres: 1531.9 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/17/2021
 Map Phase: Web-Post

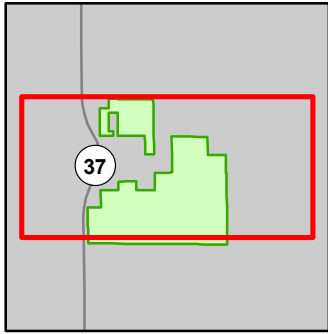
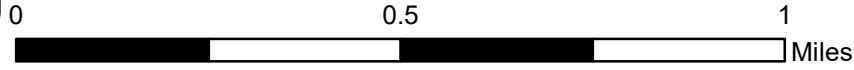


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🏍️ Motorcycle Trails (DNR License)
- 🚲 ORV Routes
- 🚲 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees

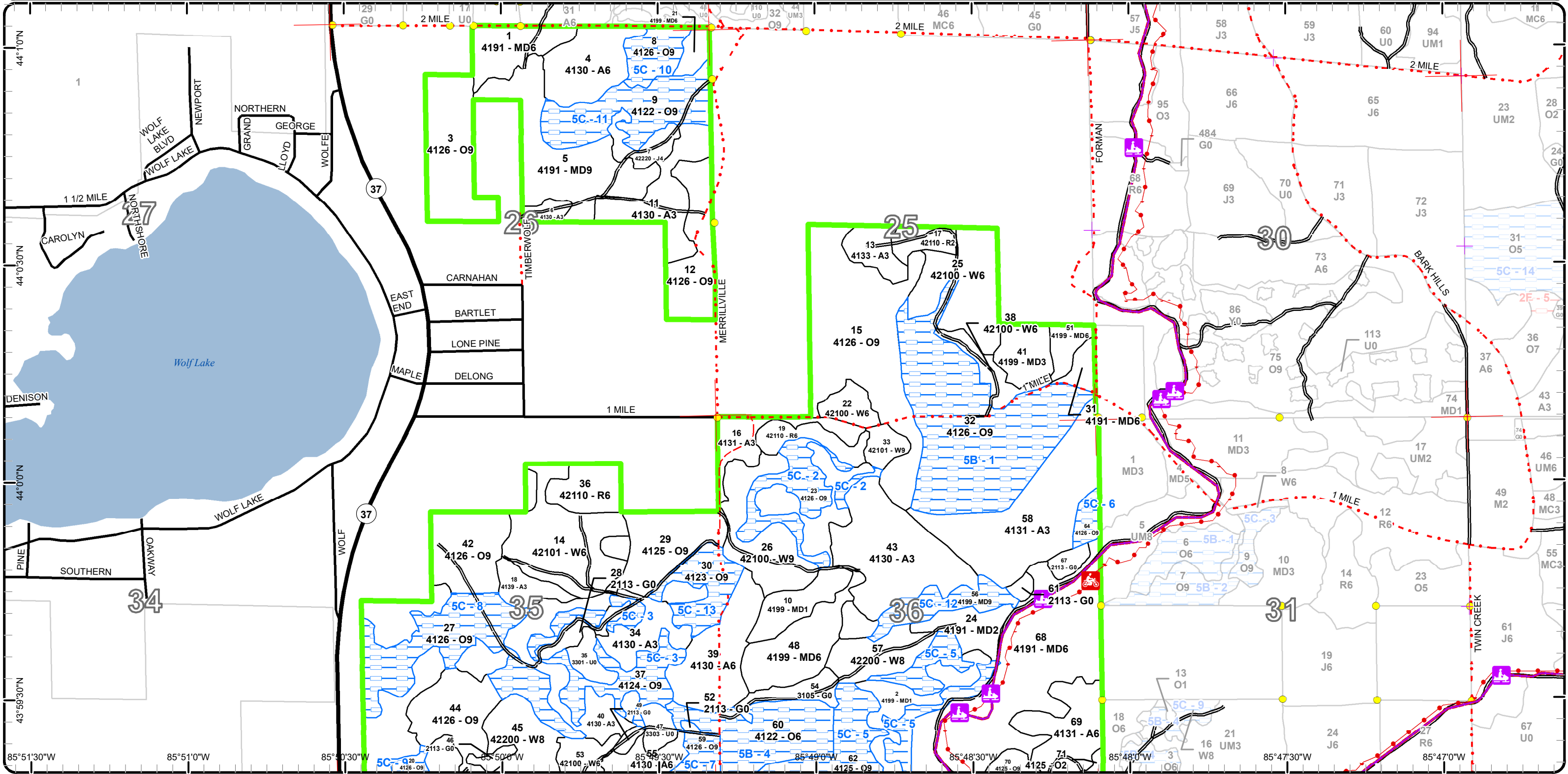


Special Conservation Areas

Compartment: 18
 T19N R13W Sec. 25,26,35,36
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County
 Outwash
 YOE: 2023
 Acres: 1531.9 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/17/2021
 Map Phase: Web-Post

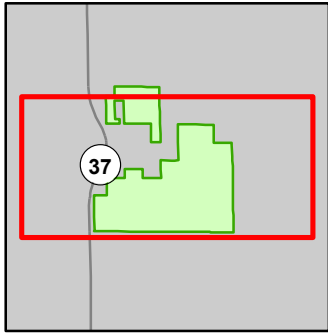
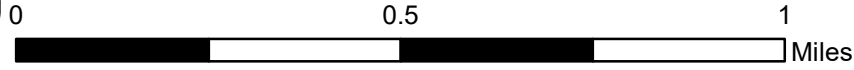


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Stand Boundaries

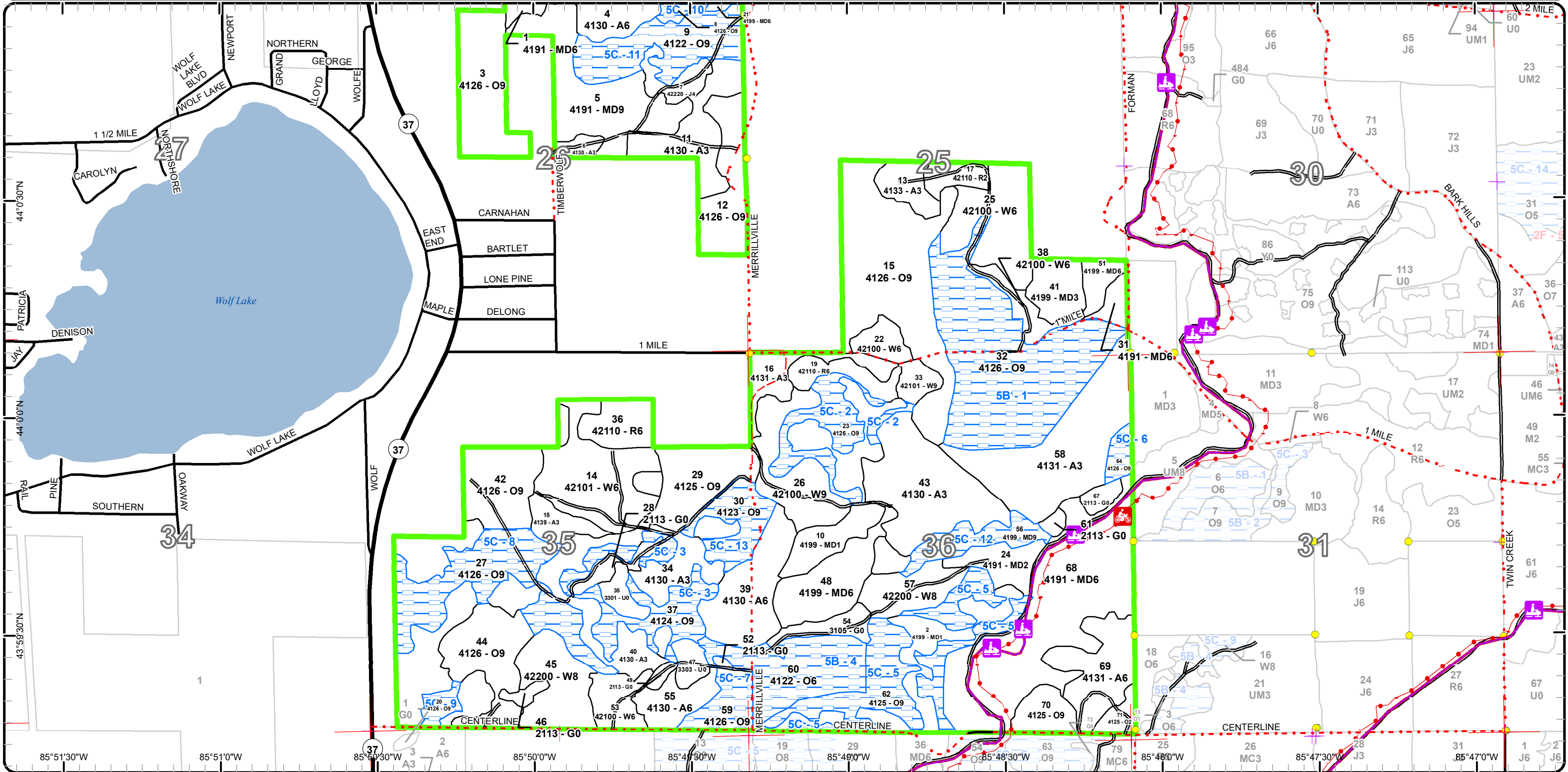


Special Conservation Areas

Compartment: 18
 T19N R13W Sec. 25,26,35,36
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County
 Outwash
 YOE: 2023
 Acres: 1531.9 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/17/2021
 Map Phase: Web-Post



- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Motorcycle Trails (DNR License)
- ORV Routes
- Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Stand Boundaries





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	0	72	180	52	48	0	0	0	0	0	0	0	0	0	0	0	0	352
Cropland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Low-Density Trees	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	0	86	0	118	33	0	15	5	0	0	45	0	0	0	0	0	0	302
Oak	0	0	6	0	0	0	0	0	103	165	336	0	0	0	0	0	0	0	610
Red Pine	0	0	0	8	0	0	29	0	0	0	0	0	0	0	0	0	0	0	37
White Pine	0	0	0	0	0	33	105	0	17	26	0	0	0	0	0	0	0	0	180
Total	41	0	164	197	170	114	134	15	125	191	336	45	0	0	0	0	0	0	1530



Report 2 – Treatment Summary

Cadillac Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 18

Total Compartment Acres: 1,532

Commercial Harvest - 393
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Mixed Upland Deciduous	0	0	0	45	0	0	0	0	0	45
Oak	0	0	0	11	216	0	0	0	0	228
Red Pine	0	0	0	0	0	11	0	0	0	11
White Pine	28	0	0	46	0	36	0	0	0	110
Total	28	0	0	102	216	47	0	0	0	393

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	393	0	0	0	0	0	0	0	0	393
Next Step	0	28	28	0	11	28	318	0	0	414
Total	393	28	28	0	11	28	318	0	0	807



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

Proposed Treatments:

3	63018003-Cut	33.7	4126 - White, Black, N. Pin Oak	Sawtimber Well	93	81-110	Harvest	Shelterwood	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> Remove approximately 50% of crown cover (harvesting to 30 to 40 BA). Leave trees should be a mix of representative species. Expand aspen clones where applicable.</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> oak, aspen, white pine, red maple</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
5	63018005-Cut	45.1	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	105	111-140	Harvest	Seed Tree	4122 - Oak, Pine	Even-Aged	No
<p><u>Prescription</u> Cut all white merchantable white pine < 18". Cut all aspen and red maple. Do not cut white oak or oak < 10". Mark to leave 20 - 30 BA where applicable.</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> oak sp., white pine, aspen, red maple</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
12	63018012-Cut	25.1	4126 - White, Black, N. Pin Oak	Sawtimber Well	96	111-140	Harvest	Shelterwood	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> Harvest to a residual BA of 30 to 40. Leave a mix of oak and pine. Expand aspen clones where applicable.</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> oak, aspen, white pine, red maple</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

14	63018014-Cut	34.7	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	50	111- 140	Harvest	Seed Tree	4122 - Oak, Pine	Two-Aged	No
----	--------------	------	---	--------------------	----	-------------	---------	-----------	------------------	----------	----

Prescription Cut all pine < 18" DBH

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable black oak, white pine, red maple, white oak

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

15	63018015-Cut	75.4	4126 - White, Black, N. Pin Oak	Sawtimber Well	91	81-110	Harvest	Shelterwood	4121 - Oak, Aspen	Two-Aged	No
----	--------------	------	------------------------------------	-------------------	----	--------	---------	-------------	----------------------	----------	----

Prescription Do not cut white oak, red pine, white pine, or black/red oak < 8". Cut all aspen and red maple. Mark remaining black/red oak to create a residual BA of 40-50.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable black oak, white oak, red oak, aspen, red maple, white pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

19	63018019-Cut	10.7	42110 - Planted Red Pine	Poletimber Well	59	111- 140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
----	--------------	------	-----------------------------	--------------------	----	-------------	---------	------------------------	----------------------------	-----------	----

Prescription Third row thin, cutting all species.

Specs:

Next Step

Treatments:

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

22	63018022-Cut	7.9	42100 - Planted White Pine	Poletimber Well	51	141- 170	Harvest	Systematic Thinning	4210 - Planted White Pine	Even-Aged	No
----	--------------	-----	-------------------------------	--------------------	----	-------------	---------	------------------------	------------------------------	-----------	----

Prescription Cut two leave two rows.

Specs:

Next Step

Treatments:

Acceptable white pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

25	63018025-Cut	28.2	42100 - Planted White Pine	Poletimber Well	48	141- 170	Harvest	Systematic Thinning	42141 - Planted Mixed Pine, Mixed Deciduous	Even-Aged	No
----	--------------	------	-------------------------------	--------------------	----	-------------	---------	------------------------	--	-----------	----

Prescription Cut 2 leave 2 rows.

Specs:

Next Step

Treatments:

Acceptable white pine, aspen, red maple, oak sp

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

26	63018026-Cut	28.1	42100 - Planted White Pine	Sawtimber Well	59	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
----	--------------	------	-------------------------------	-------------------	----	--------	---------	----------------------------	----------------------------	-----------	----

Prescription Cut all species. Herbicide, trench, and plant to red pine. Leave the minimum amount of retention required along the edge of the stand.

Specs:

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant

Treatments:

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

29	63018029-Cut	26.5	4125 - Black, N. Pin Oak	Sawtimber Well	82	111- 140	Harvest	Shelterwood	412 - Oak Types	Two-Aged	No
----	--------------	------	-----------------------------	-------------------	----	-------------	---------	-------------	-----------------	----------	----

Prescription Cut all red maple, aspen, and oak > 10" DBH. Do not cut white oak or pine. Green mark to leave 30-50 BA depending on quality.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak sp., aspen, red maple

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

42	63018042-Cut	25.6	4126 - White, Black, N. Pin Oak	Sawtimber Well	96	111- 140	Harvest	Shelterwood	412 - Oak Types	Two-Aged	No
----	--------------	------	------------------------------------	-------------------	----	-------------	---------	-------------	-----------------	----------	----

Prescription Mark this stand to leave 40 - 50 BA. Do not cut white oak or pine. Cut all aspen and red maple. Focus retention on higher quality red oaks.

Specs: Expand aspen clones where applicable.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak sp., aspen, red maple

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



Standard

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

44	63018044-Cut	30.1	4126 - White, Black, N. Pin Oak	Sawtimber Well	96	111-140	Harvest	Shelterwood	412 - Oak Types	Two-Aged	No
----	--------------	------	---------------------------------	----------------	----	---------	---------	-------------	-----------------	----------	----

Prescription Mark this stand to leave 40 - 50 BA. Do not cut white oak or pine. Cut all aspen and red maple. Focus retention on higher quality red oaks.
Specs: Expand aspen clones where applicable.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak sp., aspen, red maple

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

53	63018053-Cut	11.1	42100 - Planted White Pine	Poletimber Well	50	111-140	Harvest	Seed Tree	4122 - Oak, Pine	Even-Aged	No
----	--------------	------	----------------------------	-----------------	----	---------	---------	-----------	------------------	-----------	----

Prescription Cut all white pine < 18". Require whole tree skidding to prevent excess slash build up. Pile slash on landing in order to burn during winter.

Specs:

Next Step Burn, Slash; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak sp., white oak

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

70	63018070-Cut	11.1	4125 - Black, N. Pin Oak	Sawtimber Well	86	111-140	Harvest	Seed Tree	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
----	--------------	------	--------------------------	----------------	----	---------	---------	-----------	--	-----------	----

Prescription Harvest to a BA of 20 to 30. Expand aspen clones where applicable.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak, aspen, white pine, red maple

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

Total Treatment Acreage Proposed: 393.3

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk : Examiner

Compartment: 18
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C
		With Condition	Not Available			
352	352	0	0	Aspen		
18	18	0	0	Cropland		
9	9	0	0	Herbaceous Openland		
9	9	0	0	Jack Pine		
14	14	0	0	Low-Density Trees		
303	288	15	0	Mixed Upland Deciduous	0	15
610	233	377	0	Oak	133	244
37	37	0	0	Red Pine		
181	181	0	0	White Pine		
1,532	1,140	392		Total Forested Acres	133	259
	74%	26%	0%	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
1	Available	5B: Maintain for regeneration purposes	97	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
 Ryan Adamczyk : Examiner

Compartment: 18
 Year of Entry: 2023

4	Available	5B: Maintain for regeneration purposes	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit

Compartment: 18

Ryan Adamczyk : Examiner

Year of Entry: 2023

10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	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
----------	--------------	-------------	----------------	-------

Comments

Mgt. Unit

Compartment:

Year of Entry



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
-------------------	------	-------------



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	17.8	37	51-80	N/A	Stand was treated in 1984 sale # "63-021-83", "37-2 Mile". Specs read cut all aspen, oak, and red maple.
----------	--	-----------------	------	----	-------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	40	Pole/Sapling	5	37	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	15	Pole/Sapling	6					
Bigtooth Aspen	10	Pole/Sapling	6					
White Pine	25	Log/Pole	12					
White Oak	10	Sapling/Pole	5					

2	4199 - Other Mixed Upland Deciduous	Sapling Poor	25.9	15	Immature	N/A	Stand was treated in Summer 2006, timber sale # "63-001-04", "Centerline Gamble".
----------	-------------------------------------	--------------	------	----	----------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	2	
Black/Red (Hybrid) Oak	55	Sapling	2	15
Black Cherry	10	Sapling	2	
Bigtooth Aspen	10	Sapling	2	

3	4126 - White, Black, N. Pin Oak	Sawtimber Well	33.7	93	81-110	N/A	Average Lake County oak stand. There are some recent clear cuts on private land to the west of the stand.
----------	---------------------------------	----------------	------	----	--------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Log/Pole	12		White Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	10	Log/Pole	14		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	65	Log	14	93				
White Pine	5	Pole	6					

4	4130 - Aspen	Poletimber Well	24.7	37	111-140	N/A	Stand was treated in 1984 sale # "63-021-83", "37-2 Mile". Specs read cut all aspen, oak, and red maple.
----------	--------------	-----------------	------	----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	4		White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	80	Pole/Sapling	5	37	Witch Hazel	Low	10 - 20 feet	Tall Shrub
White Pine	10	Pole	6					

5	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	45.1	105	111-140	N/A	
----------	--	----------------	------	-----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	15	Log/Pole/XLog	14		White Pine	High	Variable	Sapling
Black/Red (Hybrid) Oak	41	Log/XLog/Pole	16	105	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	35	Log/Pole/XLog	14		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Red Pine	2	XLog/Log	18		Red Maple	Low	Variable	Sapling
Red Maple	5	Log/Pole	10					
Bigtooth Aspen	2	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
6	4130 - Aspen	Sapling Well	3.9	27	51-80	N/A	Stand was clearcut in 1994 sale # "63-021-93", "Grinch Pine & Hardwood".																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>60</td> <td>Sapling</td> <td>4</td> <td>27</td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	60	Sapling	4	27	Red Maple	25	Sapling	3		Black/Red (Hybrid) Oak	15	Sapling	2		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	Low	5 - 10 feet	Tall Shrub																			
Canopy Species	% Cover	Size Class	DBH	Age																																														
Bigtooth Aspen	60	Sapling	4	27																																														
Red Maple	25	Sapling	3																																															
Black/Red (Hybrid) Oak	15	Sapling	2																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																															
7	42220 - Natural Jack Pine	Poletimber Poor	8.5	27	1-50	N/A	Stand was clearcut in 1994 sale # "63-021-93", "Grinch Pine & Hardwood".																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>65</td> <td>Pole/Sapling</td> <td>5</td> <td>27</td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>10</td> <td>Sapling</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	65	Pole/Sapling	5	27	White Pine	25	Pole/Sapling	6		Black/Red (Hybrid) Oak	10	Sapling	4																														
Canopy Species	% Cover	Size Class	DBH	Age																																														
Jack Pine	65	Pole/Sapling	5	27																																														
White Pine	25	Pole/Sapling	6																																															
Black/Red (Hybrid) Oak	10	Sapling	4																																															
8	4126 - White, Black, N. Pin Oak	Sawtimber Well	12.8	78	81-110	N/A																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>70</td> <td>Log/Pole</td> <td>10</td> <td>78</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	20	Pole	8		Black/Red (Hybrid) Oak	70	Log/Pole	10	78	White Pine	10	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	Pole																			
Canopy Species	% Cover	Size Class	DBH	Age																																														
White Oak	20	Pole	8																																															
Black/Red (Hybrid) Oak	70	Log/Pole	10	78																																														
White Pine	10	Pole	6																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
White Pine	Low	10 - 20 feet	Pole																																															
9	4122 - Oak, Pine	Sawtimber Well	35.7	78	81-110	N/A	Large oak/pine stand. Some areas with dense pine. Hold for next YOE.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>55</td> <td>Log/Pole</td> <td>10</td> <td>78</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>18</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	10	Log/Pole	10		Black/Red (Hybrid) Oak	55	Log/Pole	10	78	White Pine	20	Pole/Log	8		Red Pine	5	Log	18		Jack Pine	5	Pole	6		Bigtooth Aspen	5	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	10 - 20 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																														
White Oak	10	Log/Pole	10																																															
Black/Red (Hybrid) Oak	55	Log/Pole	10	78																																														
White Pine	20	Pole/Log	8																																															
Red Pine	5	Log	18																																															
Jack Pine	5	Pole	6																																															
Bigtooth Aspen	5	Log	12																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
White Pine	Medium	10 - 20 feet	Sapling																																															
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																															
10	4199 - Other Mixed Upland Deciduous	Sapling Poor	35.5	15	Immature	N/A	Stand was treated in Summer 2006, timber sale # "63-001-04", "Centerline Gamble".																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>25</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>40</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Sapling	2		Black/Red (Hybrid) Oak	40	Sapling	2	15	Black Cherry	10	Sapling	2		Bigtooth Aspen	25	Sapling	2																									
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Maple	25	Sapling	2																																															
Black/Red (Hybrid) Oak	40	Sapling	2	15																																														
Black Cherry	10	Sapling	2																																															
Bigtooth Aspen	25	Sapling	2																																															
11	4130 - Aspen	Sapling Well	24.6	27	51-80	N/A	Stand was clearcut in 1994 sale # "63-021-93", "Grinch Pine & Hardwood". Some log sized oak were left throughout the stand.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>60</td> <td>Sapling</td> <td>4</td> <td>27</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>15</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling	3		Bigtooth Aspen	60	Sapling	4	27	Black/Red (Hybrid) Oak	15	XLog/Log	18		White Pine	5	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Maple	20	Sapling	3																																															
Bigtooth Aspen	60	Sapling	4	27																																														
Black/Red (Hybrid) Oak	15	XLog/Log	18																																															
White Pine	5	Pole	8																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
12	4126 - White, Black, N. Pin Oak	Sawtimber Well	25.1	96	111-140	N/A																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Oak</td> <td>20</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>40</td> <td>Log</td> <td>16</td> <td>96</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>18</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Pole	6		White Oak	20	Log	12		Bigtooth Aspen	15	Log	12		Black/Red (Hybrid) Oak	40	Log	16	96	White Pine	5	Pole	8		Red Pine	5	Log	18		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>10 - 20 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	Sapling	White Pine	Low	10 - 20 feet	Sapling	Witch Hazel	Low	10 - 20 feet	Tall Shrub	
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Maple	15	Pole	6																																																				
White Oak	20	Log	12																																																				
Bigtooth Aspen	15	Log	12																																																				
Black/Red (Hybrid) Oak	40	Log	16	96																																																			
White Pine	5	Pole	8																																																				
Red Pine	5	Log	18																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Low	10 - 20 feet	Sapling																																																				
White Pine	Low	10 - 20 feet	Sapling																																																				
Witch Hazel	Low	10 - 20 feet	Tall Shrub																																																				
13	4133 - Aspen, Mixed Pine	Sapling Well	10.4	28	1-50	N/A	Stand was clearcut in 1993, sale # "63-022-93", "North Edge Pine & Hardwood".																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Sapling</td> <td>4</td> <td>28</td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	4		Bigtooth Aspen	70	Sapling	4	28	White Pine	25	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	< 5 feet	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Maple	5	Sapling	4																																																				
Bigtooth Aspen	70	Sapling	4	28																																																			
White Pine	25	Pole	8																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
White Pine	Low	< 5 feet	Sapling																																																				
14	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	40.3	50	111-140	N/A	Stand was previously harvested as a shelterwood cut in 1996 sale # "63-016-93", "White Pine Farms". The majority of the oak and some pine was removed, with the retention being mainly a white/red pine mix. The canopy gaps are regenerating to a mix of black oak and red maple.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>70</td> <td>Log/Pole/XLog</td> <td>10</td> <td>50</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	10	Log/Pole	12		Black/Red (Hybrid) Oak	15	Log	14		White Pine	70	Log/Pole/XLog	10	50	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	10 - 20 feet	Sapling	Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling																				
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Oak	10	Log/Pole	12																																																				
Black/Red (Hybrid) Oak	15	Log	14																																																				
White Pine	70	Log/Pole/XLog	10	50																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Medium	10 - 20 feet	Sapling																																																				
Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling																																																				
15	4126 - White, Black, N. Pin Oak	Sawtimber Well	75.4	91	81-110	N/A																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>White Oak</td> <td>20</td> <td>Log/Pole/XLog</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>60</td> <td>Log/Pole/XLog</td> <td>14</td> <td>91</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Log	8		White Oak	20	Log/Pole/XLog	12		Bigtooth Aspen	5	Log	12		Black/Red (Hybrid) Oak	60	Log/Pole/XLog	14	91	Red Oak	5	Log/Pole	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Pole</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	Sapling	White Pine	Low	10 - 20 feet	Pole	Witch Hazel	Low	5 - 10 feet	Tall Shrub						
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Maple	10	Pole/Log	8																																																				
White Oak	20	Log/Pole/XLog	12																																																				
Bigtooth Aspen	5	Log	12																																																				
Black/Red (Hybrid) Oak	60	Log/Pole/XLog	14	91																																																			
Red Oak	5	Log/Pole	14																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Low	10 - 20 feet	Sapling																																																				
White Pine	Low	10 - 20 feet	Pole																																																				
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																																				
16	4131 - Aspen, Oak	Sapling Well	14.4	15	Immature	N/A	Stand was cut in winter 2005/2006, timber sale # "63-009-04", "18 Combo". Stand has some scattered log sized oak trees.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>35</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>45</td> <td>Sapling</td> <td>3</td> <td>15</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	35	Sapling	3		Bigtooth Aspen	45	Sapling	3	15	Black/Red (Hybrid) Oak	20	Sapling	3																																			
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Maple	35	Sapling	3																																																				
Bigtooth Aspen	45	Sapling	3	15																																																			
Black/Red (Hybrid) Oak	20	Sapling	3																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

17 42110 - Planted Red Pine Sapling Medium 7.7 25 51-80 N/A Small planted stand. Mix of red pine and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Sapling	3	
Red Pine	65	Sapling/Pole	4	25
Jack Pine	15	Sapling/Pole	4	
White Pine	10	Pole/Sapling	7	

18 4139 - Aspen, Mixed Deciduous Sapling Well 9.2 25 51-80 N/A Stand was clearcut in 1996 with timber sale # "63-031-93", "Stepping Stone Oak". Some scattered large black oak in overstory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Sapling	3		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	40	Sapling	3	25				
Black/Red (Hybrid) Oak	15	Sapling	2					
White Pine	10	Sapling	2					
Black/Red (Hybrid) Oak	5	Log	12					

19 42110 - Planted Red Pine Poletimber Well 10.7 59 111-140 N/A Stand was planted to red pine in 1962 per FTP.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Log	12		White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	5	Log/Pole	14					
White Pine	15	Pole	8					
Red Pine	70	Pole/Log	9	59				
Bigtooth Aspen	5	Log/Pole	12					

20 4126 - White, Black, N. Pin Oak Sawtimber Well 5.0 78 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	10		White Pine	Low	10 - 20 feet	Pole
White Oak	25	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	5	Log	12					
Black/Red (Hybrid) Oak	55	Log/Pole	10	78				
Red Oak	10	Log/Pole	10					

21 4199 - Other Mixed Upland Deciduous Poletimber Well 5.3 37 51-80 N/A Stand was treated in 1984 sale # "63-021-83", "37-2 Mile". Specs read cut all aspen, oak, and red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	10	Pole/Sapling	5		White Pine	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	25	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	10	Log/Pole	10					
Red Maple	25	Pole/Sapling	6					
Bigtooth Aspen	30	Pole/Sapling	6	37				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
22	42100 - Planted White Pine	Poletimber Well	7.9	51	141-170	N/A	Cut 2 leave 2 rows.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>90</td> <td>Pole</td> <td>8</td> <td>51</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	5	Pole	8		Black/Red (Hybrid) Oak	5	Log/Pole	10		White Pine	90	Pole	8	51																																											
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Bigtooth Aspen	5	Pole	8																																																																			
Black/Red (Hybrid) Oak	5	Log/Pole	10																																																																			
White Pine	90	Pole	8	51																																																																		
23	4126 - White, Black, N. Pin Oak	Sawtimber Well	23.3	83	111-140	N/A	Stand adjoins recent clear cut patches.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>45</td> <td>Log</td> <td>14</td> <td>83</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	10	Pole	6		White Pine	Low	10 - 20 feet	Sapling	White Oak	20	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub	Black/Red (Hybrid) Oak	45	Log	14	83					Bigtooth Aspen	5	Log/Pole	10						White Pine	5	Pole/Log	8						Red Oak	15	Log	14					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Maple	10	Pole	6		White Pine	Low	10 - 20 feet	Sapling																																																														
White Oak	20	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub																																																														
Black/Red (Hybrid) Oak	45	Log	14	83																																																																		
Bigtooth Aspen	5	Log/Pole	10																																																																			
White Pine	5	Pole/Log	8																																																																			
Red Oak	15	Log	14																																																																			
24	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	12.4	15	1-50	N/A	Stand was cut in winter 2005/2006, timber sale # "63-009-04", "18 Combo". Oak was harvested and a mix of pine was left (some former plantation). Decent oak regeneration (stump sprouts) in many of the openings.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>25</td> <td>Log</td> <td>14</td> <td>72</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>30</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	25	Log	14	72	Red Pine	5	Log/Pole	10		Jack Pine	5	Sapling	3		Black/Red (Hybrid) Oak	30	Sapling	2	15	Bigtooth Aspen	10	Sapling	3		Red Maple	15	Sapling	3																													
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Pine	25	Log	14	72																																																																		
Red Pine	5	Log/Pole	10																																																																			
Jack Pine	5	Sapling	3																																																																			
Black/Red (Hybrid) Oak	30	Sapling	2	15																																																																		
Bigtooth Aspen	10	Sapling	3																																																																			
Red Maple	15	Sapling	3																																																																			
25	42100 - Planted White Pine	Poletimber Well	32.9	48	141-170	N/A	Cut 2 leave 2 rows.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Log</td> <td>16</td> <td></td> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>95</td> <td>Pole/Log</td> <td>8</td> <td>48</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	5	Log	16		Witch Hazel	Low	5 - 10 feet	Tall Shrub	White Pine	95	Pole/Log	8	48																																								
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Black/Red (Hybrid) Oak	5	Log	16		Witch Hazel	Low	5 - 10 feet	Tall Shrub																																																														
White Pine	95	Pole/Log	8	48																																																																		
26	42100 - Planted White Pine	Sawtimber Well	28.1	59	81-110	N/A	Stand was treated in 1984 sale # "63-022-83", "57 Chevy Pine Release". Specs read cut all oak and red maple. Stand was planted to white pine in 1962 per FTP.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>95</td> <td>Log/Pole</td> <td>11</td> <td>59</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	5	Log/Pole	10		White Pine	Low	5 - 10 feet	Sapling	White Pine	95	Log/Pole	11	59																																								
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Bigtooth Aspen	5	Log/Pole	10		White Pine	Low	5 - 10 feet	Sapling																																																														
White Pine	95	Log/Pole	11	59																																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

27	4126 - White, Black, N. Pin Oak	Sawtimber Well	49.3	78	81-110	N/A																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Oak</td> <td>25</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>55</td> <td>Log/Pole</td> <td>10</td> <td>78</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Log/Pole	10		White Oak	25	Log/Pole	10		Bigtooth Aspen	5	Log	12		Black/Red (Hybrid) Oak	55	Log/Pole	10	78	Red Oak	10	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Pole</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	Pole	Witch Hazel	Low	5 - 10 feet	Tall Shrub			
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Maple	5	Log/Pole	10																																													
White Oak	25	Log/Pole	10																																													
Bigtooth Aspen	5	Log	12																																													
Black/Red (Hybrid) Oak	55	Log/Pole	10	78																																												
Red Oak	10	Log/Pole	10																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	10 - 20 feet	Pole																																													
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																													

28	2113 - Forage Crops	Nonstocked	6.1		Unspecified	Managed Opening	Wildlife opening
-----------	---------------------	------------	-----	--	-------------	-----------------	------------------

29	4125 - Black, N. Pin Oak	Sawtimber Well	26.5	82	111-140	N/A	Some areas have high concentration of pole sized oak. Timber quality is above average for Lake County in the southern portion.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>20</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>60</td> <td>Log</td> <td>16</td> <td>82</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	20	Log/Pole	14		White Oak	10	Log/Pole	12		Bigtooth Aspen	5	Log/Pole	10		Black/Red (Hybrid) Oak	60	Log	16	82	Red Maple	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub			
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Oak	20	Log/Pole	14																																													
White Oak	10	Log/Pole	12																																													
Bigtooth Aspen	5	Log/Pole	10																																													
Black/Red (Hybrid) Oak	60	Log	16	82																																												
Red Maple	5	Log/Pole	10																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	5 - 10 feet	Sapling																																													
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																													

30	4123 - Red Oak	Sawtimber Well	18.2	82	111-140	N/A	Some areas have high concentration of pole sized oak. Timber quality is above average for Lake County. Hold for next YOE to treat with adjacent aspen stands.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>50</td> <td>Log/Pole</td> <td>14</td> <td>82</td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>30</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	50	Log/Pole	14	82	White Oak	10	Log/Pole	12		Bigtooth Aspen	5	Log/Pole	10		Black/Red (Hybrid) Oak	30	Log	16		Red Maple	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub			
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Oak	50	Log/Pole	14	82																																												
White Oak	10	Log/Pole	12																																													
Bigtooth Aspen	5	Log/Pole	10																																													
Black/Red (Hybrid) Oak	30	Log	16																																													
Red Maple	5	Log/Pole	10																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	5 - 10 feet	Sapling																																													
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																													

31	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.2	72	81-110	N/A	Mixed oak and pine stand. Not ready for treatment.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>30</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Oak</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>30</td> <td>Pole/Log</td> <td>10</td> <td>72</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Pole	8		White Oak	20	Pole	8		Black/Red (Hybrid) Oak	30	Pole/Log	10	72	White Pine	20	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub			
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Maple	30	Pole	8																																								
White Oak	20	Pole	8																																								
Black/Red (Hybrid) Oak	30	Pole/Log	10	72																																							
White Pine	20	Pole	8																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
White Pine	Low	10 - 20 feet	Sapling																																								
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																								

32	4126 - White, Black, N. Pin Oak	Sawtimber Well	96.6	96	51-80	N/A	Stand was shelterwood cut between 1998 and 2001, timber sale # "63-215-93", "One Mile Oak Block". Specs read cut all trees less than 10", also cut all red maple and aspen.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>70</td> <td>Log</td> <td>16</td> <td>96</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	20	Log	14		Black/Red (Hybrid) Oak	70	Log	16	96	White Pine	10	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	>20 feet	Sapling	Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub	White Pine	Low	10 - 20 feet	Sapling	White Oak	Medium	5 - 10 feet	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																														
White Oak	20	Log	14																																															
Black/Red (Hybrid) Oak	70	Log	16	96																																														
White Pine	10	Pole	8																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Red Maple	Medium	>20 feet	Sapling																																															
Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling																																															
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																															
White Pine	Low	10 - 20 feet	Sapling																																															
White Oak	Medium	5 - 10 feet	Sapling																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

33 42101 - Planted White Pine, Mixed Deciduous Sawtimber Well 6.3 51 51-80 N/A Stand was previously thinned. Heavy oak and red maple understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	10	Log	12		Red Maple	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	15	Log	16		Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
White Pine	75	Log/Pole	10	51	Witch Hazel	Low	5 - 10 feet	Tall Shrub

34 4130 - Aspen Sapling Well 14.6 25 51-80 N/A Stand was clearcut in 1996 with timber sale # "63-031-93", "Stepping Stone Oak".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling	3		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	75	Sapling/Pole	4	25				
Black/Red (Hybrid) Oak	5	Sapling	3					

35 3301 - Low Density Deciduous Trees Nonstocked 6.2 Unspecified 412 - Oak Types Stand was cut in Summer 2007, timber sale # "63-009-04", "18 Combo".

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Red Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	Low	5 - 10 feet	Sapling
White Pine	Trace	10 - 20 feet	Sapling

36 42110 - Planted Red Pine Poletimber Well 18.7 50 51-80 N/A Stand was previously harvested as a shelterwood cut in 1996 sale # "63-016-93", "White Pine Farms".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Log	14		Red Maple	Medium	10 - 20 feet	Sapling
White Pine	10	Pole/Log	9		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Pine	80	Pole	7	50				

37 4124 - Red with White Oak Sawtimber Well 29.7 88 111-140 N/A Stand meets criteria for harvest, but is surrounded by recent clear cuts. Hold for treatment next YOЕ.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Log/Pole	12		White Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	10	Log	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	25	Log	16					
Red Oak	45	Log	14	88				

38 42100 - Planted White Pine Poletimber Well 9.6 59 81-110 N/A Stand treated in 2016 with sale #63-044-13-01 "Wiseguy White". Cut 2 leave 2 rows.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Pole	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	90	Log/Pole	10	59				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	4130 - Aspen	Poletimber Well	34.9	46	111-140	N/A	Variable dbh throughout stand. Hold for next yoe.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Pole	7		Witch Hazel	
Bigtooth Aspen		70	Pole	7	46	Low 5 - 10 feet Tall Shrub	
Black/Red (Hybrid) Oak		10	Pole	7			
40	4130 - Aspen	Sapling Well	68.2	25	111-140	N/A	Stand was clearcut in 1996 with timber sale # "63-031-93", "Stepping Stone Oak".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Sapling	4		Black/Red (Hybrid) Oak	
Bigtooth Aspen		80	Sapling	4	25	White Pine	
Black/Red (Hybrid) Oak		5	Sapling	3		Witch Hazel	
White Pine		5	Sapling/Pole	4		Low 5 - 10 feet Tall Shrub	
41	4199 - Other Mixed Upland Deciduous	Sapling Well	13.3	15	Immature	N/A	Stand was cut in winter 2005/2006, timber sale # "63-009-04", "18 Combo".
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		30	Sapling	2			
Bigtooth Aspen		30	Sapling	2			
Black/Red (Hybrid) Oak		40	Sapling	2	15		
42	4126 - White, Black, N. Pin Oak	Sawtimber Well	25.6	96	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Log/Pole	10		White Pine	
White Oak		20	Log/Pole	12		Witch Hazel	
Bigtooth Aspen		10	Log	14		Low 10 - 20 feet Pole	
Black/Red (Hybrid) Oak		30	Log	14		Low 5 - 10 feet Tall Shrub	
Red Oak		35	Log	14	96		
43	4130 - Aspen	Sapling Well	49.0	27	111-140	N/A	Stand was clearcut in 1994, sale # "63-020-93", "Merrillville Dump Oak / Aspen".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Sapling	4		Witch Hazel	
Bigtooth Aspen		70	Sapling	4	27	Medium 5 - 10 feet Tall Shrub	
Black/Red (Hybrid) Oak		10	Sapling	3			
44	4126 - White, Black, N. Pin Oak	Sawtimber Well	30.1	96	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Log/Pole	10		White Pine	
White Oak		20	Log/Pole	12		Witch Hazel	
Bigtooth Aspen		10	Log	14		Low 10 - 20 feet Pole	
Black/Red (Hybrid) Oak		30	Log	14		Low 5 - 10 feet Tall Shrub	
Red Oak		35	Log	14	96		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
45	42200 - Natural White Pine	Sawtimber Medium	25.8	85	51-80	N/A	Previous shelterwood harvest in 1994, sale # "63-025-93", "LBP Fire Release".																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>100</td> <td>Log/Pole</td> <td>14</td> <td>85</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	100	Log/Pole	14	85	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	10 - 20 feet	Sapling	Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling	White Oak	Medium	5 - 10 feet	Sapling	Red Maple	Low	10 - 20 feet	Sapling	Bigtooth Aspen	Low	10 - 20 feet	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																													
White Pine	100	Log/Pole	14	85																																													
Sub-Canopy Species	Density	Avg. Height	Size																																														
Black Cherry	Low	10 - 20 feet	Sapling																																														
Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling																																														
White Oak	Medium	5 - 10 feet	Sapling																																														
Red Maple	Low	10 - 20 feet	Sapling																																														
Bigtooth Aspen	Low	10 - 20 feet	Sapling																																														
46	2113 - Forage Crops	Nonstocked	2.8		Unspecified	Managed Opening	Wildlife opening																																										
47	3303 - Mixed Low Density Trees	Nonstocked	7.7		Unspecified	4191 - Mixed Upland Deciduous with Conifer	Stand was cut in Summer 2007, timber sale # "63-009-04", "18 Combo".																																										
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	5 - 10 feet	Sapling	Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling	Bigtooth Aspen	Medium	5 - 10 feet	Sapling	White Pine	Low	>20 feet	Pole																						
Sub-Canopy Species	Density	Avg. Height	Size																																														
Black Cherry	Medium	5 - 10 feet	Sapling																																														
Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling																																														
Red Maple	Medium	5 - 10 feet	Sapling																																														
Bigtooth Aspen	Medium	5 - 10 feet	Sapling																																														
White Pine	Low	>20 feet	Pole																																														
48	4199 - Other Mixed Upland Deciduous	Poletimber Well	25.8	46	81-110	N/A	Edges of stand are heavier to aspen, but the majority of the stand is oak and red maple.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>25</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>45</td> <td>Pole</td> <td>7</td> <td>46</td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Pole/Log	8		Bigtooth Aspen	20	Pole	8		Black/Red (Hybrid) Oak	45	Pole	7	46	White Oak	10	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	Low	5 - 10 feet	Tall Shrub	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling	Red Maple	Low	10 - 20 feet	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																													
Red Maple	25	Pole/Log	8																																														
Bigtooth Aspen	20	Pole	8																																														
Black/Red (Hybrid) Oak	45	Pole	7	46																																													
White Oak	10	Pole	7																																														
Sub-Canopy Species	Density	Avg. Height	Size																																														
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																														
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling																																														
Red Maple	Low	10 - 20 feet	Sapling																																														
49	2113 - Forage Crops	Nonstocked	2.0		Unspecified	Managed Opening	Wildlife opening																																										
51	4199 - Other Mixed Upland Deciduous	Poletimber Well	6.9	46	81-110	N/A	Stand was treated in Spring 1975. Specs read cut all residual trees to improve aspen regeneration and deer habitat. Wildlife cut.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>25</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Oak</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>25</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>35</td> <td>Pole/Sapling</td> <td>7</td> <td>46</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Pole	7		White Oak	5	Pole/Sapling	6		Black/Red (Hybrid) Oak	25	Pole/Sapling	6		White Pine	10	Pole	8		Bigtooth Aspen	35	Pole/Sapling	7	46	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub				
Canopy Species	% Cover	Size Class	DBH	Age																																													
Red Maple	25	Pole	7																																														
White Oak	5	Pole/Sapling	6																																														
Black/Red (Hybrid) Oak	25	Pole/Sapling	6																																														
White Pine	10	Pole	8																																														
Bigtooth Aspen	35	Pole/Sapling	7	46																																													
Sub-Canopy Species	Density	Avg. Height	Size																																														
White Pine	Low	10 - 20 feet	Sapling																																														
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																														
52	2113 - Forage Crops	Nonstocked	0.8		Unspecified	Managed Opening	Wildlife opening																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
53	42100 - Planted White Pine	Poletimber Well	12.3	50	111-140	N/A																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>90</td> <td>Log/Pole</td> <td>10</td> <td>50</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	5	Log/Pole	12		Black/Red (Hybrid) Oak	5	Log	14		White Pine	90	Log/Pole	10	50	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	Low	5 - 10 feet	Tall Shrub												
Canopy Species	% Cover	Size Class	DBH	Age																																							
White Oak	5	Log/Pole	12																																								
Black/Red (Hybrid) Oak	5	Log	14																																								
White Pine	90	Log/Pole	10	50																																							
Sub-Canopy Species	Density	Avg. Height	Size																																								
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																								
54	3105 - Mixed Upland Herbaceous	Nonstocked	8.8		Unspecified	No	Non planted opening. Mix of sweetfern and grasses. Some areas heavy to knapweed. Small patch of pragmites at east end of opening. Some scattered jack pine and aspen as well.																																				
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	10 - 20 feet	Sapling	Bigtooth Aspen	Low	10 - 20 feet	Sapling																												
Sub-Canopy Species	Density	Avg. Height	Size																																								
Jack Pine	Low	10 - 20 feet	Sapling																																								
Bigtooth Aspen	Low	10 - 20 feet	Sapling																																								
55	4130 - Aspen	Poletimber Well	13.3	46	111-140	N/A	Borderline on harvestability. Nice pole stand.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Pole</td> <td>8</td> <td>46</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Pole	6		Bigtooth Aspen	70	Pole	8	46	Black/Red (Hybrid) Oak	10	Pole	6		White Pine	5	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	Low	5 - 10 feet	Tall Shrub	White Pine	Low	5 - 10 feet	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Maple	15	Pole	6																																								
Bigtooth Aspen	70	Pole	8	46																																							
Black/Red (Hybrid) Oak	10	Pole	6																																								
White Pine	5	Pole	7																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																								
White Pine	Low	5 - 10 feet	Sapling																																								
56	4199 - Other Mixed Upland Deciduous	Sawtimber Well	14.9	67	111-140	N/A																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> <tr> <td>White Oak</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>40</td> <td>Log/Pole</td> <td>12</td> <td>67</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Pole/Log	10		White Oak	15	Pole	8		Bigtooth Aspen	30	Log/Pole	12		Black/Red (Hybrid) Oak	40	Log/Pole	12	67	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	Low	5 - 10 feet	Tall Shrub							
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Maple	15	Pole/Log	10																																								
White Oak	15	Pole	8																																								
Bigtooth Aspen	30	Log/Pole	12																																								
Black/Red (Hybrid) Oak	40	Log/Pole	12	67																																							
Sub-Canopy Species	Density	Avg. Height	Size																																								
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																								
57	42200 - Natural White Pine	Sawtimber Medium	17.3	72	1-50	N/A	Stand was cut in winter 2005/2006, timber sale # "63-009-04", "18 Combo". Oak was harvested and a mix of pine was left (some former plantation). Decent oak regeneration (stump sprouts) in many of the openings. Some pockets of mature mixed pine.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>70</td> <td>Log</td> <td>16</td> <td>72</td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	70	Log	16	72	Red Pine	10	Log/Pole	10		Jack Pine	20	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	High	5 - 10 feet	Sapling	White Oak	Medium	5 - 10 feet	Sapling								
Canopy Species	% Cover	Size Class	DBH	Age																																							
White Pine	70	Log	16	72																																							
Red Pine	10	Log/Pole	10																																								
Jack Pine	20	Log/Pole	10																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
Black/Red (Hybrid) Oak	High	5 - 10 feet	Sapling																																								
White Oak	Medium	5 - 10 feet	Sapling																																								
58	4131 - Aspen, Oak	Sapling Well	57.9	14	Immature	N/A	Stand was final harvest in Summer 2007, timber sale # "63-009-04", "18 Combo".																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>25</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>55</td> <td>Sapling</td> <td>2</td> <td>14</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>20</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Sapling	2		Bigtooth Aspen	55	Sapling	2	14	Black/Red (Hybrid) Oak	20	Sapling	2																							
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Maple	25	Sapling	2																																								
Bigtooth Aspen	55	Sapling	2	14																																							
Black/Red (Hybrid) Oak	20	Sapling	2																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
59	4126 - White, Black, N. Pin Oak	Sawtimber Well	13.4	95	81-110	N/A																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Oak</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>50</td> <td>Log</td> <td>16</td> <td>95</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Log/Pole	10		White Oak	20	Log/Pole	12		Black/Red (Hybrid) Oak	50	Log	16	95	White Pine	10	Pole	8		Bigtooth Aspen	10	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	10 - 20 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub												
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	10	Log/Pole	10																																																						
White Oak	20	Log/Pole	12																																																						
Black/Red (Hybrid) Oak	50	Log	16	95																																																					
White Pine	10	Pole	8																																																						
Bigtooth Aspen	10	Log/Pole	10																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Pine	Medium	10 - 20 feet	Sapling																																																						
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																																						
60	4122 - Oak, Pine	Poletimber Well	36.4	94	51-80	N/A	Stand was shelterwood cut in 1993 with sale # "63-023-93", "Vesper Oak Removal".																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>60</td> <td>Log</td> <td>14</td> <td>94</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	30	Log/Pole	12		White Oak	10	Log/Pole	12		Black/Red (Hybrid) Oak	60	Log	14	94	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling	Bigtooth Aspen	Low	10 - 20 feet	Sapling	Red Maple	Medium	10 - 20 feet	Sapling	White Oak	Low	5 - 10 feet	Sapling						
Canopy Species	% Cover	Size Class	DBH	Age																																																					
White Pine	30	Log/Pole	12																																																						
White Oak	10	Log/Pole	12																																																						
Black/Red (Hybrid) Oak	60	Log	14	94																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Pine	Low	10 - 20 feet	Sapling																																																						
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																																						
Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling																																																						
Bigtooth Aspen	Low	10 - 20 feet	Sapling																																																						
Red Maple	Medium	10 - 20 feet	Sapling																																																						
White Oak	Low	5 - 10 feet	Sapling																																																						
61	2113 - Forage Crops	Nonstocked	2.2		Unspecified	Managed Opening	Wildlife opening																																																		
62	4125 - Black, N. Pin Oak	Sawtimber Well	51.1	84	111-140	N/A	Stand meets silvicultural criteria for harvest but could also wait. Stand appears healthy, and bordering stands were recently harvested. Aspen was found in a few clones on the north end of the stand. Timber is smaller in diameter to the south.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> <tr> <td>White Oak</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>65</td> <td>Log</td> <td>14</td> <td>84</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Pole/Log	10		White Oak	15	Log/Pole	12		Bigtooth Aspen	5	Log	14		Black/Red (Hybrid) Oak	65	Log	14	84	White Pine	5	Pole	8		Red Oak	5	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub							
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	5	Pole/Log	10																																																						
White Oak	15	Log/Pole	12																																																						
Bigtooth Aspen	5	Log	14																																																						
Black/Red (Hybrid) Oak	65	Log	14	84																																																					
White Pine	5	Pole	8																																																						
Red Oak	5	Log	14																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Pine	Low	10 - 20 feet	Sapling																																																						
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																																						
64	4126 - White, Black, N. Pin Oak	Sawtimber Well	5.3	82	111-140	N/A	Small oak stand. Reserve for mast production.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>45</td> <td>Log/Pole</td> <td>12</td> <td>82</td> </tr> <tr> <td>White Oak</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	45	Log/Pole	12	82	White Oak	20	Log/Pole	10		Red Oak	10	Log/Pole	12		White Pine	15	Log/Pole	10		Bigtooth Aspen	5	Log/Pole	12		Red Maple	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	Sapling	Witch Hazel	Low	5 - 10 feet	Tall Shrub	Red Maple	Low	10 - 20 feet	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Black/Red (Hybrid) Oak	45	Log/Pole	12	82																																																					
White Oak	20	Log/Pole	10																																																						
Red Oak	10	Log/Pole	12																																																						
White Pine	15	Log/Pole	10																																																						
Bigtooth Aspen	5	Log/Pole	12																																																						
Red Maple	5	Log/Pole	10																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Pine	Low	5 - 10 feet	Sapling																																																						
Witch Hazel	Low	5 - 10 feet	Tall Shrub																																																						
Red Maple	Low	10 - 20 feet	Sapling																																																						
67	2113 - Forage Crops	Nonstocked	4.0		Unspecified	Managed Opening	Wildlife opening																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

68 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 94.9 36 51-80 N/A Stand was treated in 1985 sale # "63-002-83", "Flowing Spring". Specs read cut all aspen, oak, and red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Sapling	5		White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	20	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	30	Sapling/Pole	4	36				
White Pine	25	Log/Pole/Sap	10	84				
Black Cherry	5	Pole/Sapling	5					

69 4131 - Aspen, Oak Poletimber Well 27.3 36 111-140 N/A Stand was treated in 1985 sale # "63-002-83", "Flowing Spring". Specs read cut all aspen, oak, and red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	4		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	60	Pole	6	36				
Black/Red (Hybrid) Oak	20	Pole	4					

70 4125 - Black, N. Pin Oak Sawtimber Well 11.1 86 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	8		White Pine	High	10 - 20 feet	Sapling
White Oak	5	Log/Pole	10					
Bigtooth Aspen	15	Log	12					
Black/Red (Hybrid) Oak	55	Log/Pole/XLog	14	86				
White Pine	5	Log/Pole/XLog	12					

71 4125 - Black, N. Pin Oak Sapling Medium 5.5 15 Immature N/A Stand was treated in Summer 2006, timber sale # "63-001-04", "Centerline Gamble". Stand was CC with a strip of the original stand left in the middle of the harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	2	
Bigtooth Aspen	10	Sapling	2	
Black/Red (Hybrid) Oak	60	Sapling	2	15
White Pine	10	Sapling	3	
Black Cherry	5	Sapling	2	
Black/Red (Hybrid) Oak	10	Log	14	