



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63108

Entry Year 2028

Acreage: 1,356

County: Missaukee

Management Area: Cadillac Moraines

Stand Examiner: Ryan Adamczyk

Legal Description:

T21N, R6W, Sections 10, 13, 14, 15, 22, 23, 24, 27

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) 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 period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Rolling hills, mostly Rubicon, Graycalm, and Montcalm sands

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

There is private land in every section of this compartment. Mostly working farms surround the state land. The University of Michigan owns large blocks of wooded land in sections 14 and 15. Lands recommended for acquisition are the two 40 acre parcels in Sec. 22 SENE, NESE. Suggest disposing of the 40-acre parcel in NWSW sec. 24.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

Woodland Indian mounds, earthworks, burial sites and prehistoric sites within RMU. Letter received from State Archaeologist says timber harvest activity will not affect sites.

Special Management Designations or Considerations:

Woodland Indian mounds, earthworks, burial sites and prehistoric sites within compartment.

Watershed and Fisheries Considerations:

No streams or lakes in compartment.

Wildlife Habitat Considerations:

Maintain species diversity and manage for quality oak and aspen. Featured wildlife species are deer, ruffed grouse, and woodcock. Timber sale specifications to benefit these featured species (where applicable) will include protection of mast-bearing wildlife shrubs and ironwood, protection of standing dead snags, and creation of drumming logs (1-2 per acre) and woody debris (tops or whole trees) in aspen cuts. (Victory, 5/24/16)

Mineral Resource and Development Concerns and/or Restrictions

There is no known potential for the occurrence of economic deposits of metallic minerals in this part of the state. Multiple active sand/gravel operations exist just over one mile southeast of the compartment, and there appears to be some good potential for sand and gravel within the compartment on the uplands. The compartment occurs just north of the Prosper oil & gas field. The field was developed back in the 1940s but is still producing from the Dundee Limestone. A number of test wells have been drilled within and around the compartment, which were all dry holes. However, potential remains for drilling of additional future wells within the compartment, and oil & gas rights within the compartment are 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:

The state land in section 10 needs to be surveyed to verify state owned boundaries and establish lines for future timber sales.

Recreational Facilities and Opportunities:

There are no designated recreational trails within this compartment. (T.N. 1/29/16)

Fire Protection:

The compartment consists of multiple hardwood stands and some scattered mixed hardwoods and pine stands along with a few stands of planted black spruce. The area has good road access for suppression equipment.

Additional Compartment Information:

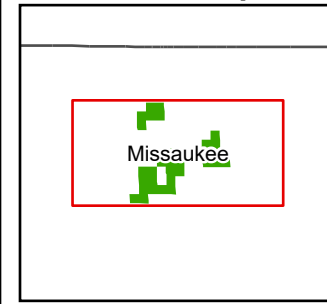
The following reports from the Inventory are attached:

- 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



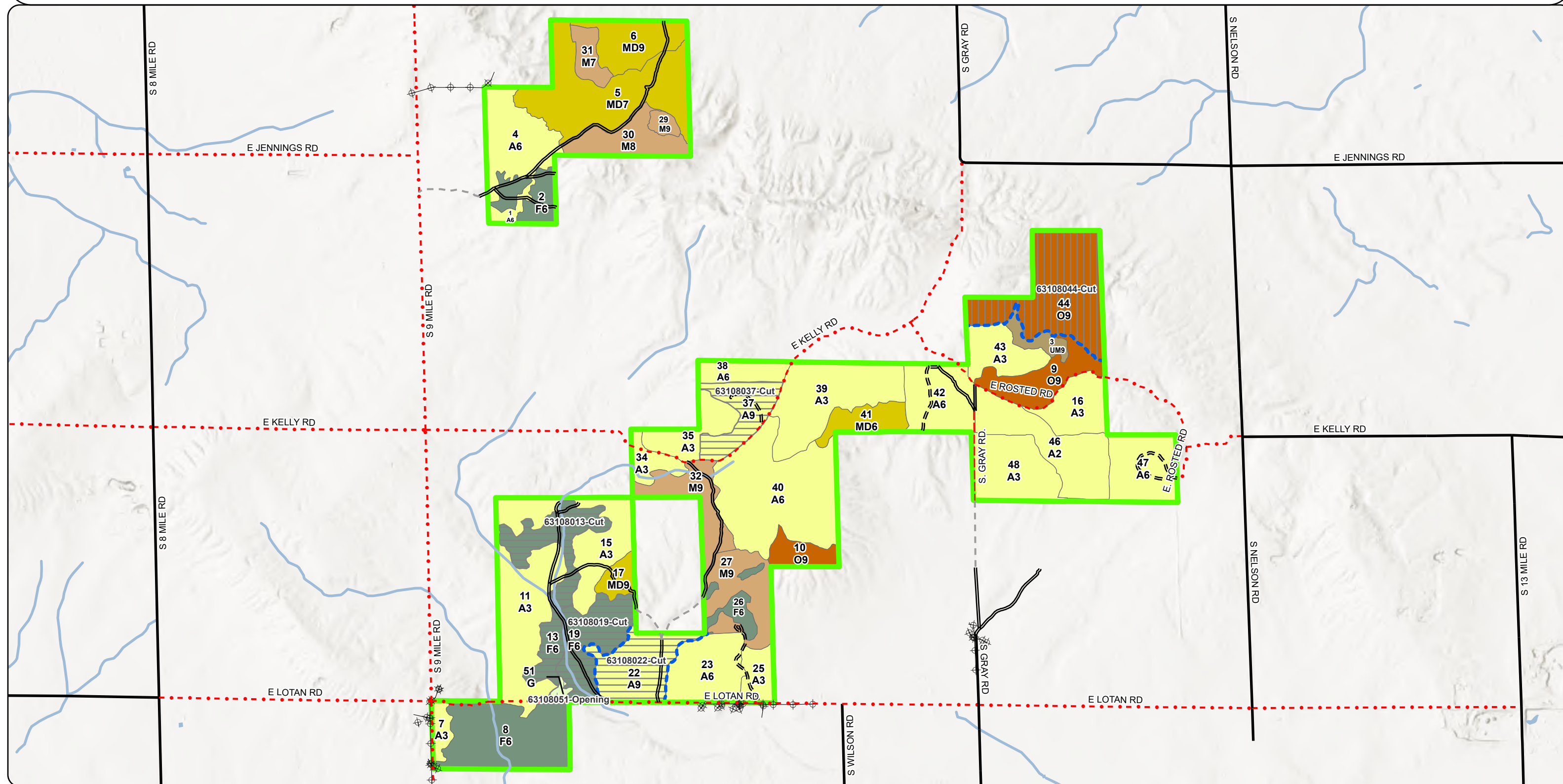
Compartment: 63108
T22N R06W
Sec. 10, 13-15, 22-24, 27
County: Missaukee
Unit: Cadillac
Mgmt. Area: Cadillac Moraines
YOE: 2028
Acres: 1,356 GIS Calculated
Examiner: Ryan Adamczyk
Date Exported: 07/16/2026
Map Phase: Web Post

0 0.5 1 Miles

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams

- Lakes and Rivers
- Electric
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Shelterwood
- Openings Mgmt.
- 411 - Northern Hardwood

- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland



Cover Type & Treatments Map

N

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Streams

Lakes and Rivers

Electric

Compartiment Boundary

Treatments with Site Conditions

Clearcut

Shelterwood

411 - Northern Hardwood

412 - Oak Types

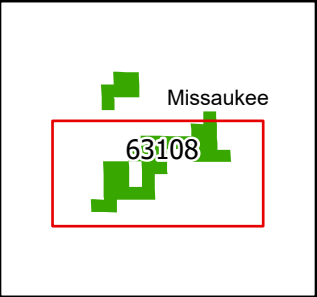
413 - Aspen

419 - Mixed Upland Deciduous

423 - Other Upland Conifers

430 - Upland Mixed Forest

Cover Type & Treatments Map



Missaukee

63108

N





00.51

Miles

Compartiment: 63108

T22N R06W

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Compartiment Boundary

Treatments with Site Conditions

Clearcut

Shelterwood

Openings Mgmt.

411 - Northern Hardwood

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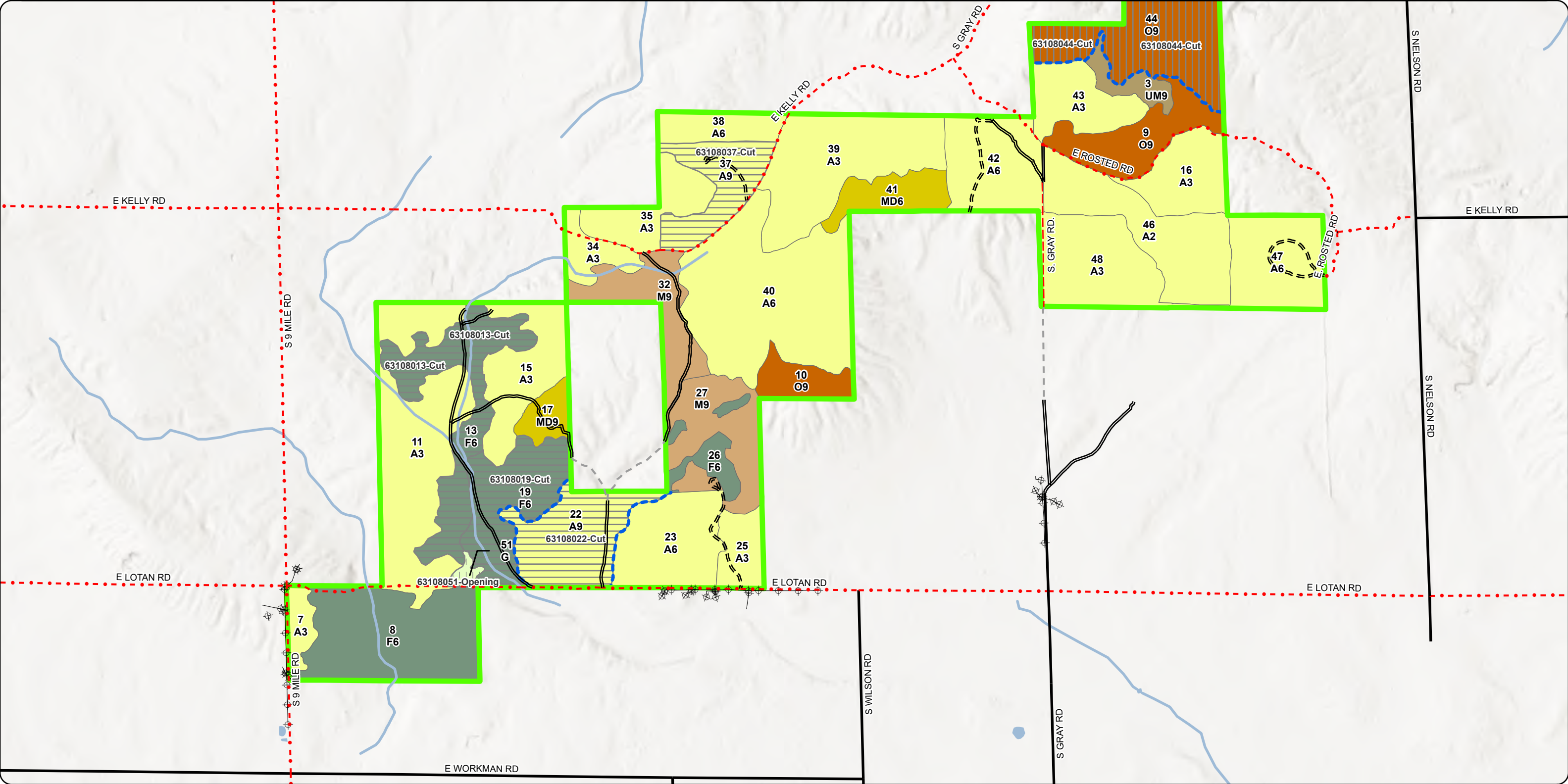
413 - Aspen

419 - Mixed Upland Decidous

423 - Other Upland Conifers

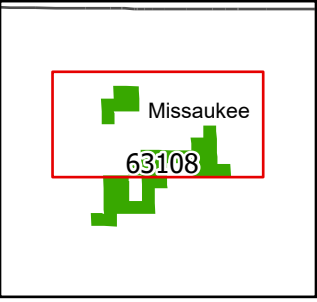
430 - Upland Mixed Forest

310 - Herbaceous Openland



The main map displays a detailed view of forest cover types and treatments within compartment 63108. The map is overlaid with a grid of sections, each labeled with a number and a code (e.g., 11 A3, 13 F6, 15 A3, 17 MD9, 19 F6, 22 A9, 23 A6, 25 A3, 26 F6, 27 M9, 32 M9, 34 A3, 35 A3, 37 A9, 38 A6, 39 A3, 40 A6, 41 MD6, 42 A6, 43 A3, 44 O9, 46 A2, 47 A6, 48 A3, 51 G). The map also shows various roads, including E Kelly Rd, E Lotan Rd, S Gray Rd, S Nelson Rd, S Wilson Rd, S Mile Rd, and E Workman Rd. A scale bar at the bottom indicates distances in miles (0, 0.5, 1).

Stand Boundary Map



Missaukee
63108

N





00.51

Miles

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Streams

Lakes and Rivers

Electric

Compartiment Boundary

Compartiment Stand Yellow Outline (PD)

411 - Northern Hardwood

411 - Northern Hardwood

412 - Oak Types

412 - Oak Types

413 - Aspen

413 - Aspen

419 - Mixed Upland Deciduous

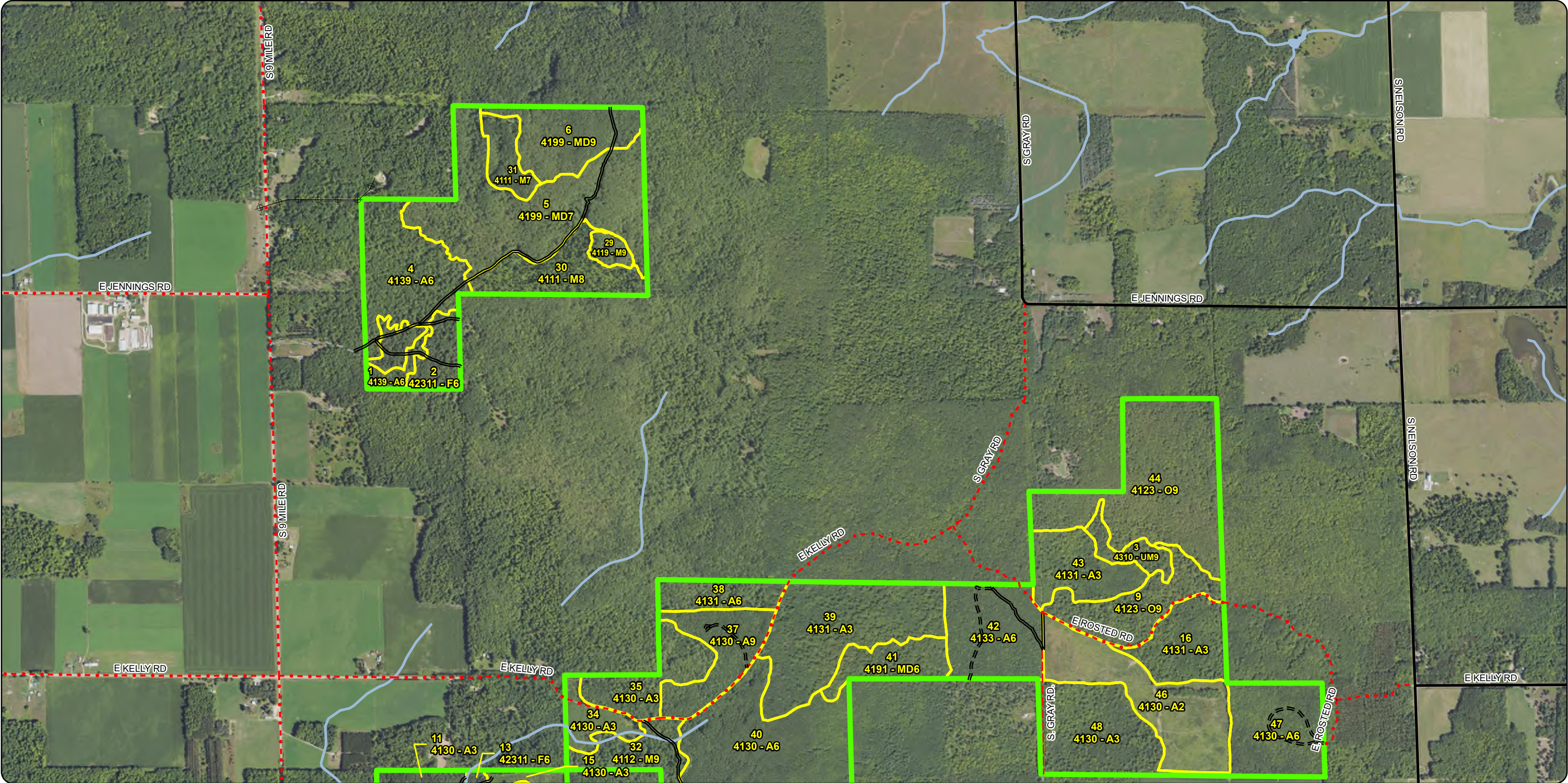
419 - Mixed Upland Deciduous

423 - Other Upland Conifers

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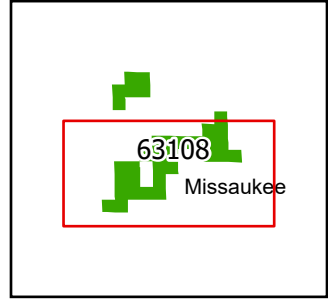
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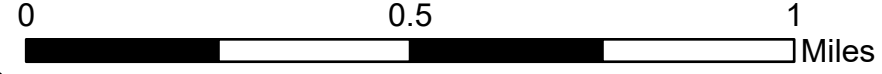


The map displays an aerial view of a forested area with several roads and streams. The roads are labeled as follows: E JENNINGS RD, E KELLY RD, S GRAY RD, and S NELSON RD. The streams are labeled as follows: S GRAY RD, S NELSON RD, and E KELLY RD. The forest stands are outlined in yellow and labeled with numbers and codes. The labels are as follows: 1 4139-A6, 2 42311-F6, 3 4310-UM9, 4 4139-A6, 5 4199-MD7, 6 4199-MD9, 7 4111-M7, 8 4111-M8, 9 4123-O9, 10 4131-A3, 11 4130-A3, 12 42311-F6, 13 4130-A3, 14 4130-A3, 15 4112-M9, 16 4131-A3, 17 4130-A2, 18 4130-A3, 19 4130-A6, 20 4131-A3, 21 4131-A6, 22 4130-A9, 23 4191-MD6, 24 4133-A6, 25 4130-A3, 26 4130-A3, 27 4130-A3, 28 4130-A3, 29 4119-M9, 30 4111-M8, 31 4111-M7, 32 4112-M9, 33 4130-A3, 34 4130-A3, 35 4130-A3, 36 4130-A3, 37 4130-A9, 38 4131-A6, 39 4131-A3, 40 4130-A6, 41 4191-MD6, 42 4133-A6, 43 4131-A3, 44 4123-O9, 45 4130-A2, 46 4130-A3, 47 4130-A6, 48 4130-A3, 49 4130-A3, 50 4130-A3.

Stand Boundary Map

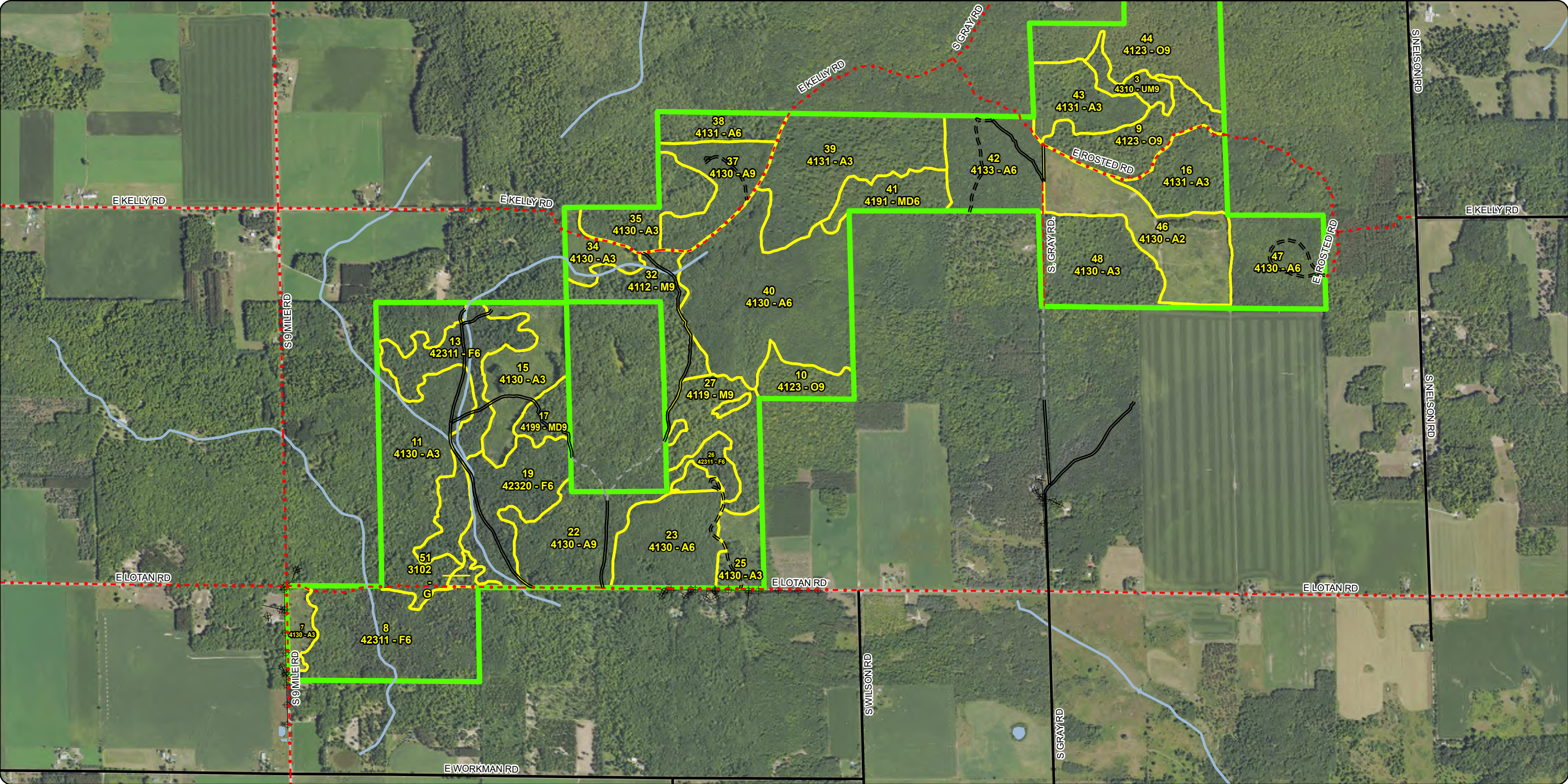


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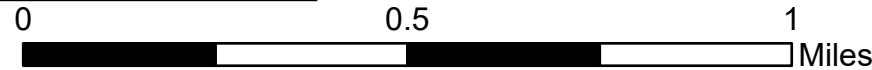
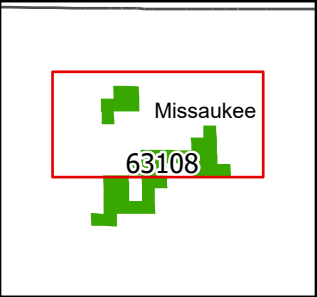
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- Compartment Stand Yellow Outline (PD)
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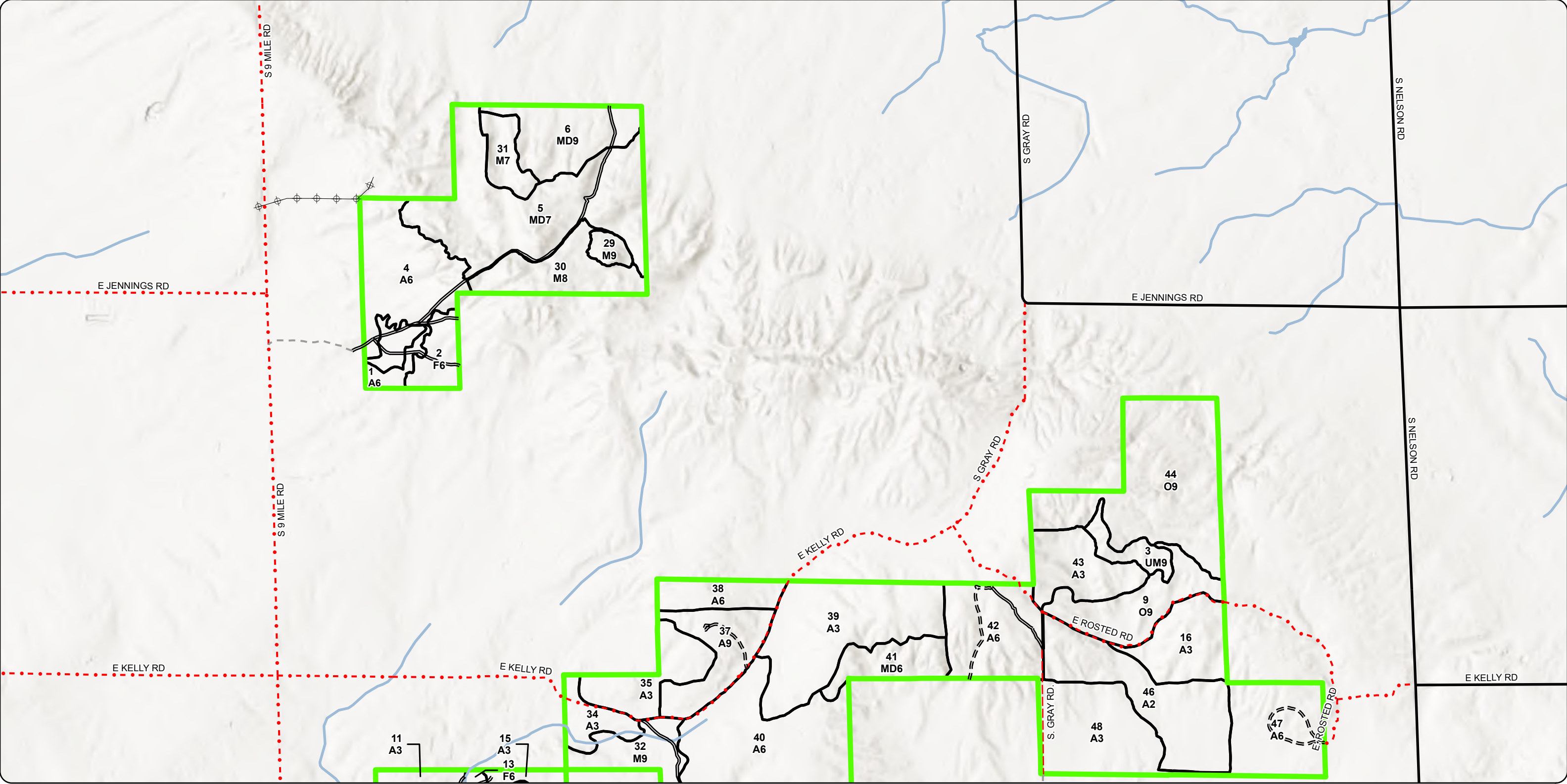


Special Conservation Areas
& Site Conditions Map

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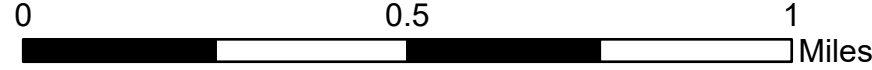
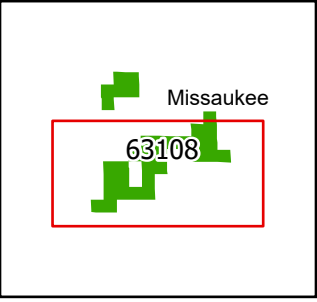


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- ⊕ ⊕ Electric
- ▭ Compartment Boundary

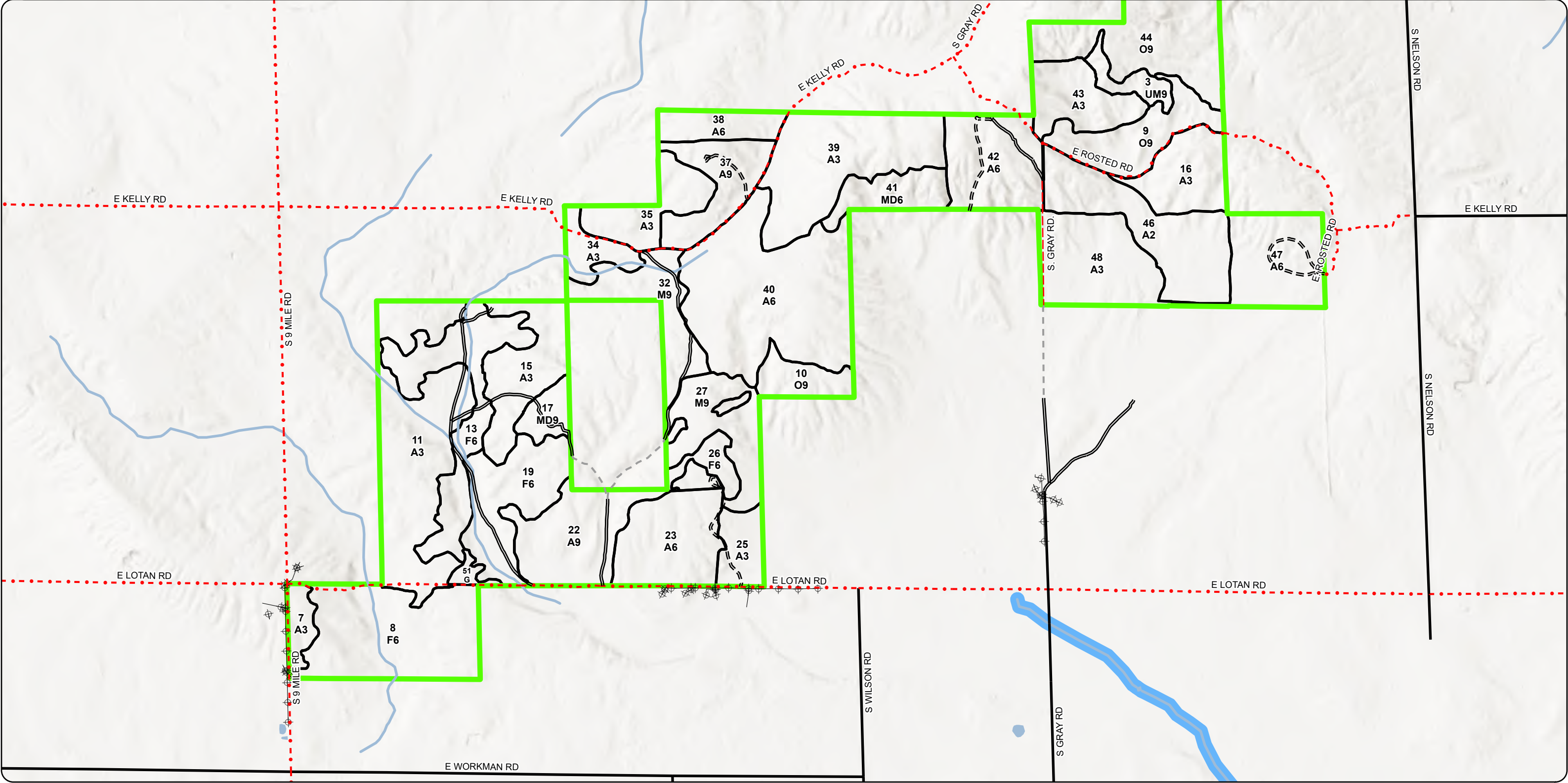


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- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Cold Water Streams
- High Priority Trout Stream Buffer
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- Private - Dirt / Gravel Road



Report 1 – Total Acres by Cover Type and Age Class

Compartment 108 Year of Entry 2028



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	126	0	340	102	120	29	43	0	0	0	0	0	0	0	0	0	0	759
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	19	0	0	0	33	0	0	86	0	0	0	0	0	0	10	148
Northern Hardwood	0	0	0	0	0	0	0	0	0	37	47	0	0	0	0	0	0	31	115
Oak	0	0	0	0	0	0	0	0	0	15	32	82	0	0	0	0	0	0	129
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Upland Spruce/Fir	0	0	0	0	0	0	0	172	20	0	0	0	0	0	0	0	0	0	192
Total	4	126	0	359	102	120	29	248	20	52	175	82	0	0	0	0	0	41	1357



Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 108
Total Compartment Acres: 1,356

Commercial Harvest - 240
Harvests with Site Condition - 250
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	72	0	0	0	0	0	0	0	0	72
Oak	0	0	0	0	82	0	0	0	0	82
Upland Spruce/Fir	91	0	0	0	0	0	0	0	0	91
Total	163	0	0	0	82	0	0	0	0	245

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	245	0	0	0	0	0	0	0	0	249
Next Step	0	0	0	0	0	0	245	0	0	245
Total	245	0	0	0	0	0	245	0	0	494



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

13	63108013-Cut	49.0	42311 - Planted Spruce, Mixed Deciduous	6	64	141- 170	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	No
<u>Prescription</u> Cut all tree species greater than 2" DBH. Retain a few scattered islands following retention guidelines. Mark to leave 1 - 3 white pine per acre <u>Specs:</u> where present. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, red maple, white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
19	63108019-Cut	42.1	42320 - Upland Spruce	6	64	111- 140	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	No
<u>Prescription</u> Cut all tree species greater than 2" DBH. Retain a few scattered islands following retention guidelines. Mark to leave 1 - 3 white pine per acre <u>Specs:</u> where present. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, red maple, white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
22	63108022-Cut	42.8	4130 - Aspen	9	67	111- 140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Cut all tree species greater than 2 inches DBH. Leave a few islands following retention guidelines. Green mark to leave higher quality sugar <u>Specs:</u> maple while cruising the stand. Use oak wilt spec with exceptions. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, sugar maple, red oak, red maple <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2027											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
37 63108037-Cut	29.4	4130 - Aspen	9	50	111-140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees greater than 2 inches DBH. Leave a few islands following retention guidelines. Use oak wilt spec with exceptions. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, oak, sugar maple, red maple <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
44 63108044-Cut	81.9	4123 - Red Oak	9	104	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Cutting Record	No
<u>Prescription</u> Cut all red oak trees greater than 10 inches DBH. Cut all beech as well. Mark to leave at least one high quality red oak 14 inches DBH or greater per acre. Use oak wilt spec with NO exceptions. Survey is needed. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> sugar maple, red oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2027										
51 63108051-Opening	3.5	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut or girdle some trees and brush to keep open <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										

Total Treatment 248.7
Acreage Proposed:

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk: Examiner

Compartment: 108
Year of Entry: 2028



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

2I 5B 5E

712	666	43	3	Aspen	43		3
4	4	0	0	Herbaceous Openland			
69	62	0	7	Mixed Upland Deciduous			7
115	84	31	0	Northern Hardwood		31	
128	46	82	0	Oak	82		
10	10	0	0	Upland Mixed Forest			
192	192	0	0	Upland Spruce/Fir			
1,230	1,064	156	10	Total Forested Acres	125	31	10
	87%	13%	1%	Relative Percent			

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available		5B: Maintain for regeneration purposes	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Available		2I: Survey needed	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
3	Available		2I: Survey needed	82	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk: Examiner

Compartment: 108
Year of Entry: 2028



4	Available	5B: Maintain for regeneration purposes	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5B: Maintain for regeneration purposes	79	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Spruce is healthy and providing wildlife benefits.							
15	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
1	4139 - Aspen, Mixed Deciduous	Poletimber Well	5.9	24	51-80	N/A	Stand '63108001' was harvested in 2002. Leave trees were marked green. This was cut with the adjacent stands 2 & 4, the southwest corner of the stand was not cut at the time of the harvest. This has mature aspen, oak, and red maple. Coming back to red maple, beech, and aspen.																																																						
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2	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	20.4	73	51-80	N/A	Overtopping aspen was removed from the stand during the previous entry. Spruce is growing well with no sign of spruce budworm with scattered oak above the spruce.																																																						
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3	4310 - Pine, Oak Mix	Sawtimber Well	9.6	97	51-80	N/A	Small stand with topography. This stand contains a larger component of white pine than the rest of the adjacent stands. Stand was cut in 2003, sale name 'Cabin Oak' treatment was cut all aspen and red maple and all orange marked trees such as selected sugar maple.																																																						
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4	4139 - Aspen, Mixed Deciduous	Poletimber Well	45.7	24	51-80	N/A	Stand was treated in 2002, "Three Glove Oak". Pockets of young oak, aspen, red maple, pole and sapling size. Some oak and larger diameter beech were retained in last harvest.																																																						
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5	4199 - Other Mixed Upland Deciduous	Sawtimber Poor	86.3	95	1-50	N/A	Stand 63108005 was treated in 2025. All aspen and beech was cut. All basswood and oak 12 inch DBH and greater was cut, except for oak 24 inch DBH or greater. Stand is a mix of oak and lower quality northern hardwood. Stand was returned to state after partial harvest in 2018, and resold and treatment was completed in 2025.																																																																	
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6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	32.8	67	111-140	N/A	Possible harvest treatment, Remove all aspen, red maple, and poor formed hardwoods. Mark some oaks to cut. Stand residual BA will vary based on hardwood and oak component. Long range management goal is for a mix of oak, aspen, and northern hardwoods.																																																																	
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7	4130 - Aspen	Sapling Well	8.7	6	Immature	N/A	Stand was treated in 2019 with sale # "63-023-18", "Farmer Berm".																																																																	
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8	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	69.1	64	81-110	N/A	Overtopping aspen was removed in 1998. Stand now a mix of spruce with pockets of young aspen. Aspen is coming back well in harvested areas and along the skid trails. Spruce is healthy and shows no sign of forest health risk at this time, and is still providing cover for wildlife.																																																																	
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9	4123 - Red Oak	Sawtimber Well	31.6	96	51-80	N/A	This stand '63108009' was harvested in 2003, sale name, 'Cabin Oak' treatment was cut all aspen and red maple and all orange marked trees such as selected sugar maple. Green marked trees were retained. Advanced regeneration of oak, beech, and maple.																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
17	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.4	95	51-80	N/A	Stand treated by selection cut in 2001.																																																															
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19	42320 - Upland Spruce	Poletimber Well	42.1	64	111-140	N/A	Represents portion of spruce stand with overtopping aspen and white pine.																																																															
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22	4130 - Aspen	Sawtimber Well	42.8	67	111-140	N/A																																																																
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23	4130 - Aspen	Poletimber Well	40.8	46	81-110	N/A	Stand of aspen transitioning into pole class. Scattered white pine throughout the understory with a few that have progressed into the canopy. Small amount of oak (mostly poles) and spruce in NE of stand where transition to oak stand occurs. Stand was treated by clearcut in 1980.																																																															
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Red Oak	5	Pole	6																																																																			
25	4130 - Aspen	Sapling Well	15.1	6	Immature	N/A	Stand was treated in 2019 with sale # "63-023-18", "Farmer Berm". Pine was promoted in southern portion of the stand.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
31	4111 - S.Maple, Hard Mast Association		Sawtimber Poor	12.6	95	1-50	N/A	Stand 63108031 was treated in 2025. Treatment harvest was cut all aspen, red maple, and poor formed hardwoods. Mark some oaks to cut. Stand residual BA will vary based on hardwood and oak component. Long range management goal is for a mix of oak, aspen, and northern hardwoods.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Sugar Maple	50	Log/Pole	10	95	Bigtooth Aspen	Medium		10 - 20 feet	10 - 20 feet
	Red Oak	35	Log/Pole	12		Sugar Maple	Low		5 - 10 feet	5 - 10 feet
	Black Cherry	5	Pole/Log	8		Red Oak	Low		5 - 10 feet	5 - 10 feet
	Basswood	10	Log/Pole	12		Beech	Low		5 - 10 feet	5 - 10 feet
						Red Maple	Medium		10 - 20 feet	10 - 20 feet
32	4112 - Maple, Beech, Cherry Association		Sawtimber Well	31.4	89	51-80	N/A	Multi aged with large sawtimber, poles and advanced regen. Stand was treated in 2000, sale name, 'Double Dog' with a selection harvest. Openings created by previous harvest are being dominated by aspen regeneration. Stand slopes down toward the north with aspen below. Single stemmed oak and multi stemmed maples dominate the overstory. There is good advanced sugar maple saplings in the understory. Hold this stand for now.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Oak	15	Log/XLog	14		Bigtooth Aspen	Medium		>20 feet	>20 feet
	Red Maple	20	Log/Pole	10		Ironwood	Low		5 - 10 feet	5 - 10 feet
	Beech	15	Pole/Log	9		Beech	Medium		10 - 20 feet	10 - 20 feet
	Sugar Maple	40	Log/Pole	12	89	Sugar Maple	Medium		>20 feet	>20 feet
	White Oak	5	Log/Pole	12		Red Maple	Low		10 - 20 feet	10 - 20 feet
Black Cherry	5	Pole	8							
34	4130 - Aspen		Sapling Well	13.1	6	Immature	N/A	Stand was treated in 2020 with sale # "63-023-18", "Farmer Berm".		
	Canopy Species	% Cover	Size Class	DBH	Age					
	White Pine	5	Log	11						
	Red Maple	10	Sapling	1	6					
35	4130 - Aspen		Sapling Well	25.0	25	1-50	N/A	Aspen stand that was final harvested in 2001. Scattered mature oak and maple left as reserves. Aspen regen is growing well along with scattered red maple sprouts.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Bigtooth Aspen	80	Sapling/Pole	4	25	Beech	Low		5 - 10 feet	5 - 10 feet
	Red Maple	10	Sapling/Pole	4		White Ash	Trace		< 5 feet	< 5 feet
	Red Oak	5	Log	14						
	Sugar Maple	5	Pole/Log	8						
	37	4130 - Aspen		Sawtimber Well	29.4	50	111-140	N/A	Represents portion of adjacent stand that was not harvested during the previous entry. Aspen is growing well and putting on diameter growth.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Red Oak		10	Log/Pole	10		Beech	Low	10 - 20 feet		10 - 20 feet
Bigtooth Aspen		70	Pole/Log	9	50	Red Maple	Low	10 - 20 feet		10 - 20 feet
Red Maple		10	Pole	7		Sugar Maple	Low	10 - 20 feet		10 - 20 feet
Sugar Maple		5	Pole	7						
White Pine		5	Log/Pole	10						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	4131 - Aspen, Oak	Poletimber Well	16.4	23	51-80	N/A	Stand '63108038' was previously coded as aspen. Stand treated by selection cut during previous entry in fall 2002, sale name 'Painted Pony' with a selection harvest treatment. Aspen regen coming back under an oak/northern hardwood over story.
Canopy Species % Cover Size Class DBH Age		Sub-Canopy Species Density Avg. Height Size					
White Oak 5 Log/Pole 11		Beech Low 10 - 20 feet 10 - 20 feet					
Red Oak 35 Log 14 110		Red Maple Medium 10 - 20 feet 10 - 20 feet					
Bigtooth Aspen 40 Sapling/Pole 4 23							
Red Maple 10 Pole 6							
Sugar Maple 10 Pole 6							
39	4131 - Aspen, Oak	Sapling Well	65.1	23	1-50	N/A	Aspen cut that occurred in 2003. Oak was left as a reserve. Aspen starting to come back nicely.
Canopy Species % Cover Size Class DBH Age							
Bigtooth Aspen 57 Sapling 3 23							
Red Oak 20 Log 14							
Red Maple 10 Sapling 2							
Sugar Maple 5 Sapling 3							
Ironwood 3 Sapling 2							
Beech 5 Sapling 2							
40	4130 - Aspen	Poletimber Well	102.0	36	81-110	N/A	Aspen stand starting to change from saplings into poles. Some mixed red maple saplings as well. Growing very nicely. Stand '6310840' was harvested in 1990, sale name, 'Kelly Road Sale' with treatment type final harvest.
Canopy Species % Cover Size Class DBH Age							
Bigtooth Aspen 85 Pole/Sapling 5 36							
Red Maple 10 Sapling/Pole 4							
Red Oak 5 Pole/Sapling 6							
41	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	19.1	23	51-80	N/A	Stand '63108041' treated in 2003, sale name, 'Painted Pony'. White pine understory coming in under residual oaks. Treatment type is selection harvest.
Canopy Species % Cover Size Class DBH Age		Sub-Canopy Species Density Avg. Height Size					
Red Maple 12 Sapling/Pole 4		White Pine Medium 5 - 10 feet 5 - 10 feet					
White Pine 19 Pole/Log 8		Black Cherry Low < 5 feet < 5 feet					
White Oak 7 Log/Pole 10		Ash (spp.) Low < 5 feet < 5 feet					
Red Oak 10 Log/Pole 12 115							
Red Pine 5 XLog/Log 18							
Sugar Maple 20 Sapling 3 23							
Beech 5 Sapling 2							
Red Oak 10 Sapling 3							
Ironwood 5 Sapling 2							
Bigtooth Aspen 7 Sapling 3							



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
42	4133 - Aspen, Mixed Pine	Poletimber Well	39.8	44	81-110	N/A	Stand was treated in 1982. Sale name 'Indian Mounds Block.' Prescription was cut all aspen, oak, maple, beech, ash, basswood, and white pine with merchantable timber.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		5	Pole/Sapling	5		White Pine		Low	5 - 10 feet	5 - 10 feet	
White Oak		5	Pole	8							
Bigtooth Aspen		50	Pole/Sapling	6	44						
White Pine		35	Log/Pole	14							
Red Oak		5	Log/Pole	10							
43	4131 - Aspen, Oak	Sapling Well	26.4	21	1-50	N/A	Aspen stand '63108043' that was harvested in 2005, sale name 'Cabin Oak'. All trees 2 inch dbh and greater were cut. Reserves of oak left scattered throughout the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Beech		10	Sapling	2		Red Maple		Low	5 - 10 feet	5 - 10 feet	
Red Maple		15	Sapling	3							
Red Oak		20	Log/Pole	13							
Bigtooth Aspen		55	Sapling	3	21						
44	4123 - Red Oak	Sawtimber Well	81.9	104	81-110	N/A	Stand was treated in 2003, sale name, 'Cabin Oak' treatment was cut all aspen and red maple and all orange marked trees such as selected sugar maple.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		13	Pole/Log	8		Red Oak		Low	5 - 10 feet	5 - 10 feet	
Red Oak		75	Log/XLog/Pole	14	104	Witch Hazel		Medium	5 - 10 feet	5 - 10 feet	
White Pine		5	Log/Pole/Sap	10		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet	
Basswood		2	Log	12		Red Maple		Low	10 - 20 feet	10 - 20 feet	
Beech		5	Log/XLog/Pole	12		Beech		Medium	10 - 20 feet	10 - 20 feet	
46	4130 - Aspen	Sapling Medium	53.1	6	Immature	N/A	Stand was treated in 2020 with timber sale # "63-023-18", "Farmer Berm".				
Canopy Species		% Cover	Size Class	DBH	Age						
Bigtooth Aspen		75	Sapling	1	6						
White Oak		5	Sapling	1							
Red Oak		10	Sapling	1							
Paper Birch		5	Pole	7							
Sugar Maple		5	Sapling	1							
47	4130 - Aspen	Poletimber Well	39.0	46	81-110	N/A	Stand '63108047' was harvested in 1980, sale name, Nelson Road Block, harvest type clearcut. Aspen stand with scattered maple. A few over story oaks and a beech sub-canopy. stand is pole sized.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		85	Pole/Sapling	6	46	Beech		Low	5 - 10 feet	5 - 10 feet	
Red Maple		10	Pole/Sapling	5							
Red Oak		5	Log	14							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
48	4130 - Aspen	Sapling Well	45.5	24	1-50	N/A	Stand cut in 2002. Aspen with oak reserves. Aspen regen coming back well. 10-20 BA of oak left following harvest.			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Red Oak	10	Log/Pole	12		Red Oak		Trace	< 5 feet	< 5 feet
	White Oak	5	Log/Pole	10						
	Bigtooth Aspen	80	Sapling	4	24					
	Red Maple	5	Sapling	4						
51	3102 - Grass	None	3.5			No				