



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63014

Entry Year 2022

Acreage: 3,202

County Lake

Management Area: Lake County Moraines

Revision Date: 2020-06-11

Stand Examiner: Michael Aksamit

Legal Description:

T18N, R11W Sec. 5-8; T19N, R11W Sec. 31 & 32

Identified Planning Goals:

Vegetation management in the Lake county Moraines 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 planning period will focus on balancing the age class distributions of aspen and regenerating red pine and oak. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends within this 10-year planning period are increased recreational pressure (including illegal off-road vehicle impacts) and the need to successfully regenerate and establish oak.

Soil and topography:

Mostly Rubicon-Roselawn sands and Graycalm-Montcalm sands. Generally rolling to hilly.

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

This is a large block of state-ownership with scattered private holdings. There are some residences in the RMU, but not many. Most of the private ownership is undeveloped.

Unique Natural Features:

No records of element occurrences within this compartment are recorded.

Archeological, Historical, and Cultural Features:

There are the remains of a tower in stand #52. The drainage and series of ponds and old grades in Sec. 5 may be the results of old logging activity.

Special Management Designations or Considerations:

Visual management techniques need to be utilized where necessary for the travel influence zones of State Road, Frank Smith Road and the Tin Cup Springs Motorsport and Cycle Trails and a designated horse trail.

Watershed and Fisheries Considerations:

Drainage of a branch of the Little Manistee River is present in Sec 31. A drainage and a series of ponds is also present in Section 5. This area shows signs of past beaver activity. A variety of seeps and vernal ponds are found scattered throughout the compartment. Since the Little Manistee River and its tributaries are all Designated Trout Streams, BMPs should be followed along the creeks, tribs, seeps, and their associated wetlands. No active management for aspen regeneration should take place within 100 yards of the stream. Young aspen are prime food for beaver, and beavers have the potential to severely degrade a trout stream.

Mark Tonello - Also, active management for aspen regeneration in riparian zones adjacent to the small creeks and tributaries in this compartment should be avoided. Young aspen is a prime source of food for beavers, and beavers have the potential to negatively impact trout streams.

Wildlife Habitat Considerations:

Featured wildlife species include deer, bear, ruffed grouse, woodcock, and turkey. Other species utilizing early-successional communities and young forests will benefit from management for these species. Management objective is to maintain diversity of cover types and age classes as well as maintain and/or enhance habitat including work on openings and edges for wildlife species. Retain soft and hard mast sources where applicable to preserve wildlife hunting and viewing opportunities.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of coarse textured till. Glacial drift thickness varies between 600 and 800 feet. There is nearly 200 feet of local relief within the compartment. Beneath the Glacial Drift is the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay/shale in other parts of the State. Gravel pits surround the compartment and potential is considered good. This area is located four miles northwest of the Reed City Field. The Reed City field produces from many formations. None of the land in the compartment is currently leased, and the general area has seen 8 dry holes drilled. Additional State minerals are located in the N½ of Section 32.

Vehicle Access:

There are no concerns at this time. County roads are well distributed through this compartment except for Sec 31 which has the Tin Cup Motor Sport trail as the only source of access.

Survey Needs:

SWNW QC corner in Stand 27

Recreational Facilities and Opportunities:

The Tin Cup Motor Sport Trail is an ORV route and Tin Cup Cycle Trails is an 40 inch trail that parallels the route throughout the compartment. Both are maintained under an ORV contract through Lansing.

The Tin Cup Horse Trail also is located in this compartment. Developed in the mid nineties jointly by a local horse club and the DNR. It receives a fair amount of use and hosts several horse events each year. The local horse club and the DNR jointly provide maintenance.

The area receives fairly heavy hunting pressure.

Fire Protection:

Access within this compartment will allow fire equipment to be utilized for wildfire suppression. Forest roads and ORV trails can be utilized for access. Fuel types are not conducive to major crown fires. ORV activities and dispersed camping can be causes of wildfires in this compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

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

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

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

Michael Aksamit : Examiner

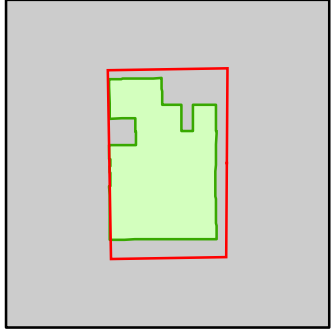


Age Class

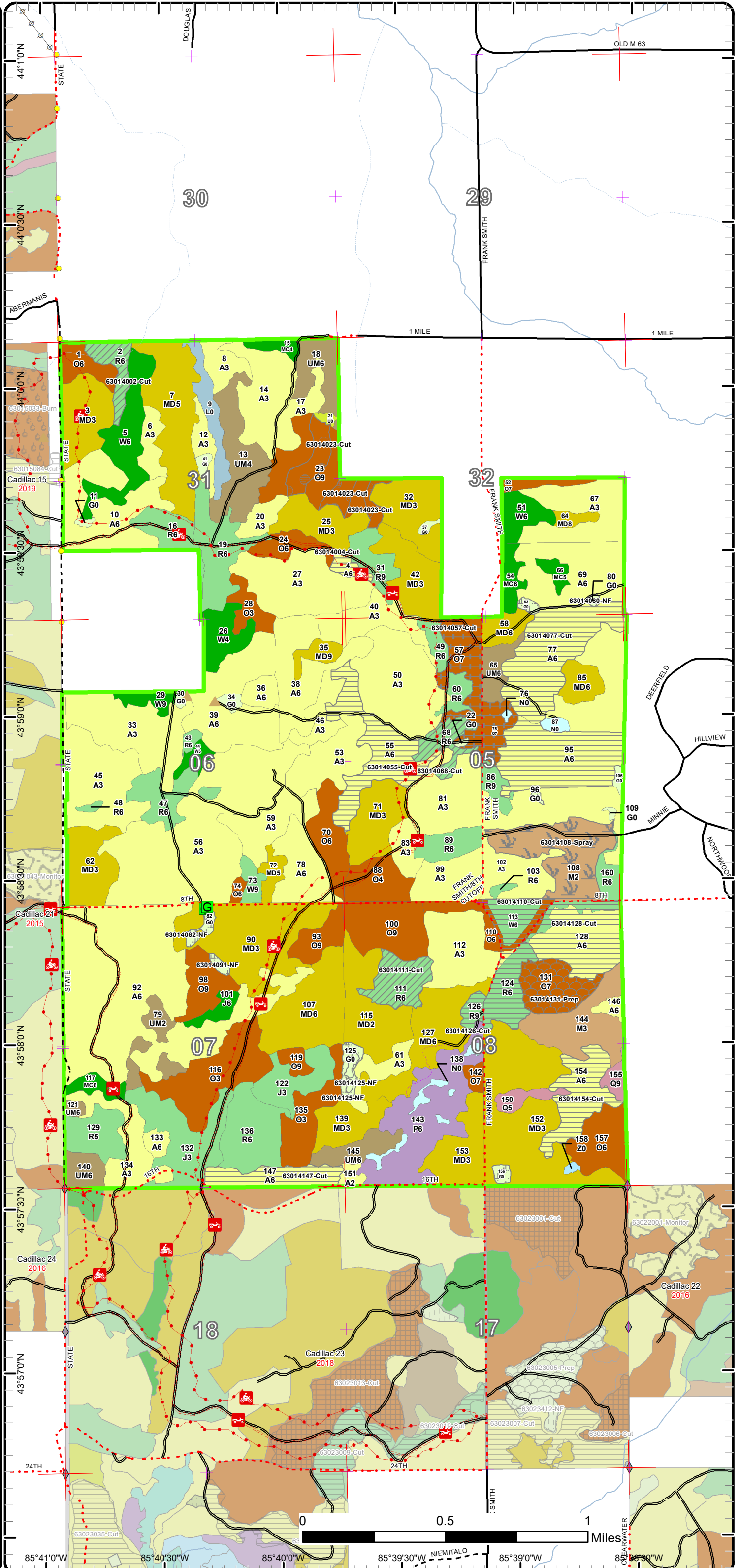
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	254	367	117	277	279	135	0	0	0	0	0	0	0	0	0	0	29	1457
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Jack Pine	0	0	0	63	0	6	0	0	0	0	0	0	0	0	0	0	0	0	69
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	60
Lowland Conifers	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Marsh	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	262	142	0	52	46	0	7	54	4	7	11	0	0	0	0	0	0	585
Natural Mixed Pines	0	0	0	6	14	0	7	0	0	0	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Oak	0	81	0	0	0	0	0	0	59	121	65	57	0	0	0	0	0	0	382
Red Pine	0	0	0	0	46	37	82	95	0	0	0	0	0	0	0	0	0	0	260
Upland Mixed Forest	0	0	0	0	15	3	19	50	0	11	0	12	0	0	0	0	0	0	109
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	26	0	20	51	0	0	0	0	0	0	0	0	0	0	97
Total	60	680	509	186	430	432	263	203	113	149	72	80	0	0	0	0	0	29	3202

Cover Type & Treatments Map

Compartment: 14
 T18N. R. 11W Sec. 06-08
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County Moraines
 YOE: 2022
 Acres: 3,202 GIS Calculated
 Examiner: Michael Aksamit
 Map Revised: 6/22/2020
 Map Phase: Web-Post

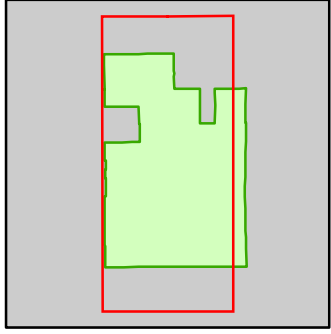


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Motorcycle Trails (DNR License)
- ORV Routes
- ORV License & Trail Permit
- Designated ORV Route
- Intermittent Stream
- Perennial River
- ▲ Berms
- Gate
- Non-Designated Recreational Trail
- Compartment Boundary
- Pesticide
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Patch/Strip Cut (Femelschlag)
- Thinning (Crown, Low, Systematic)
- Site Prep
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

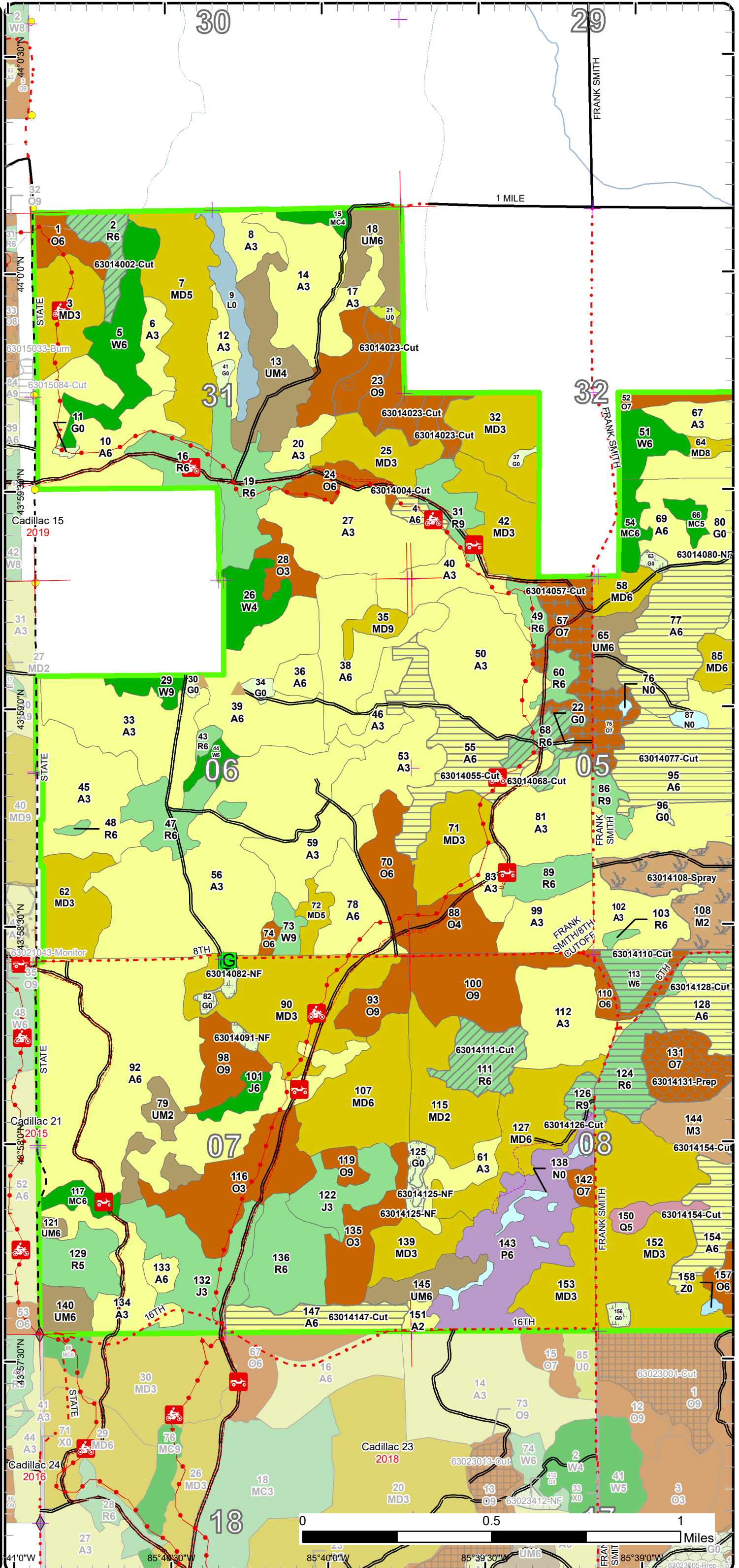


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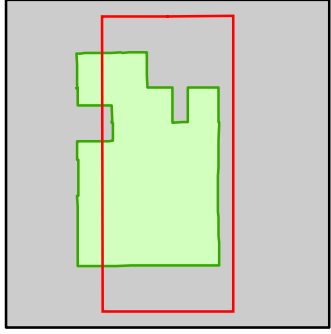


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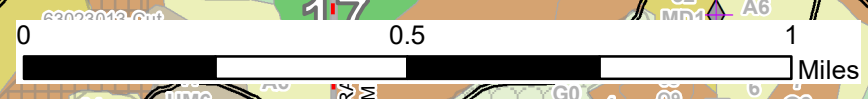
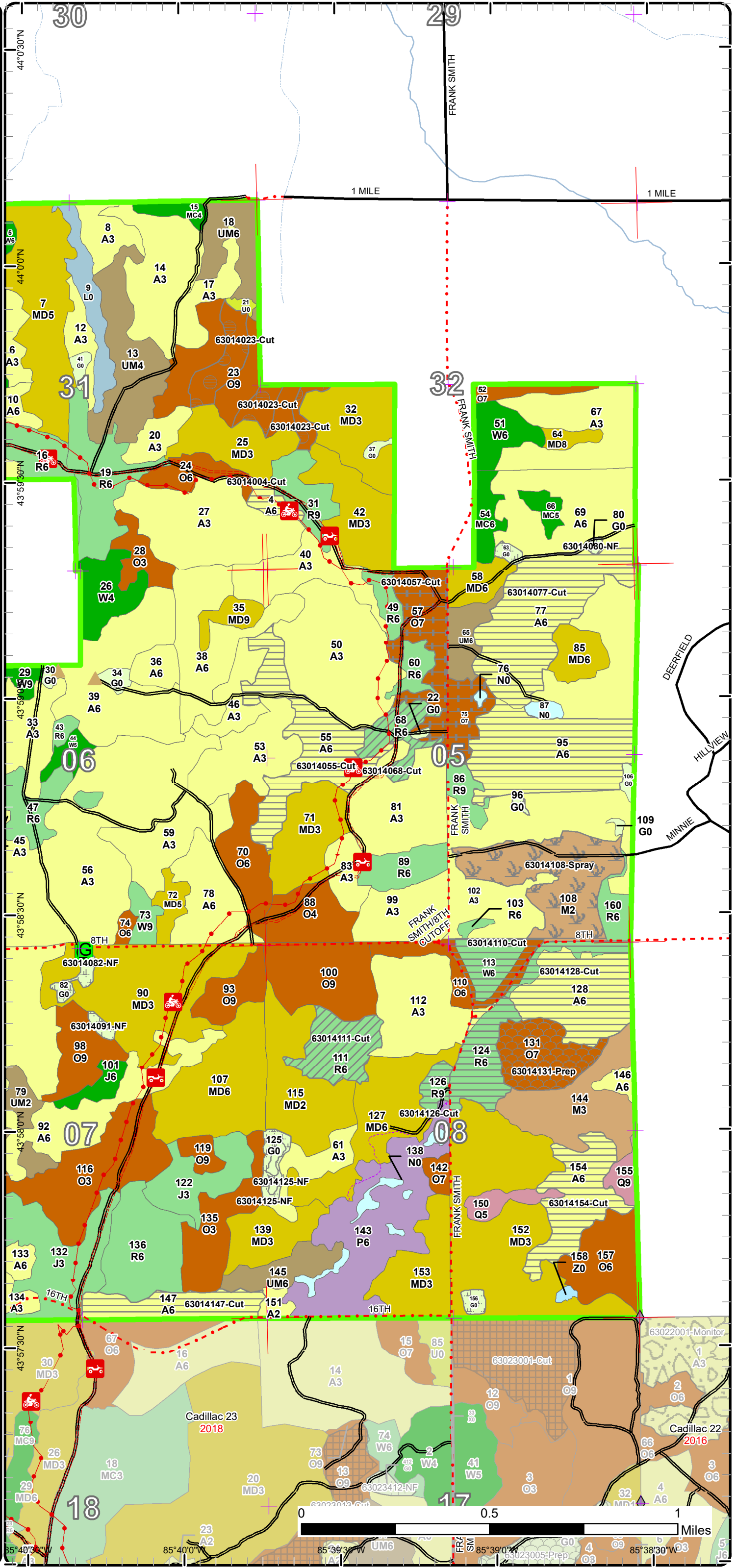


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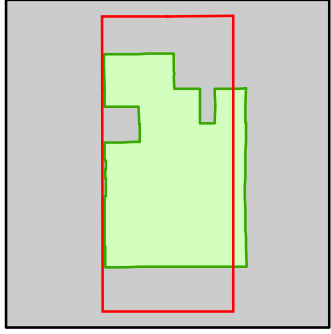


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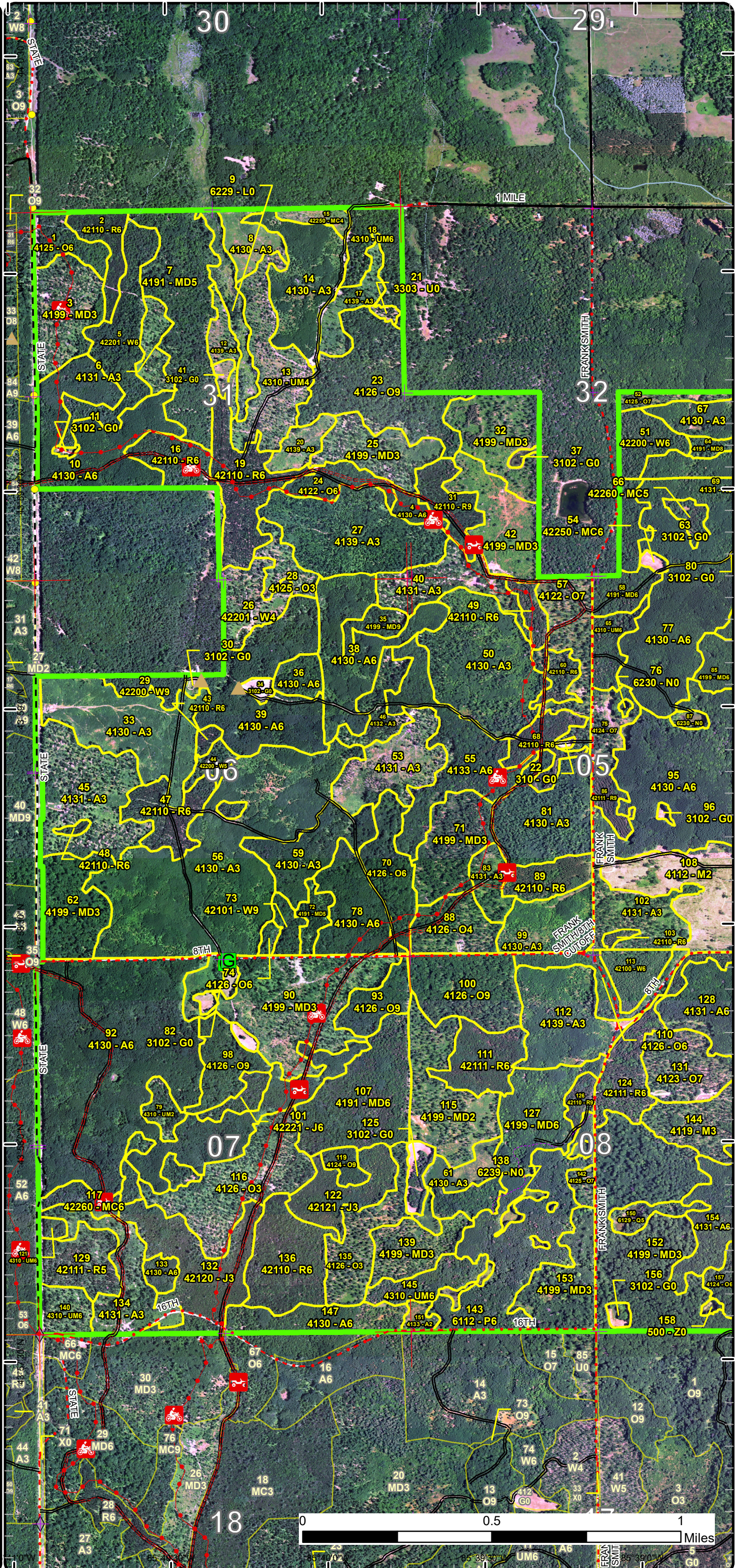


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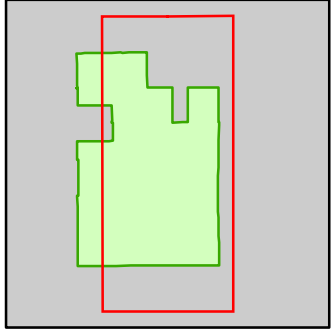


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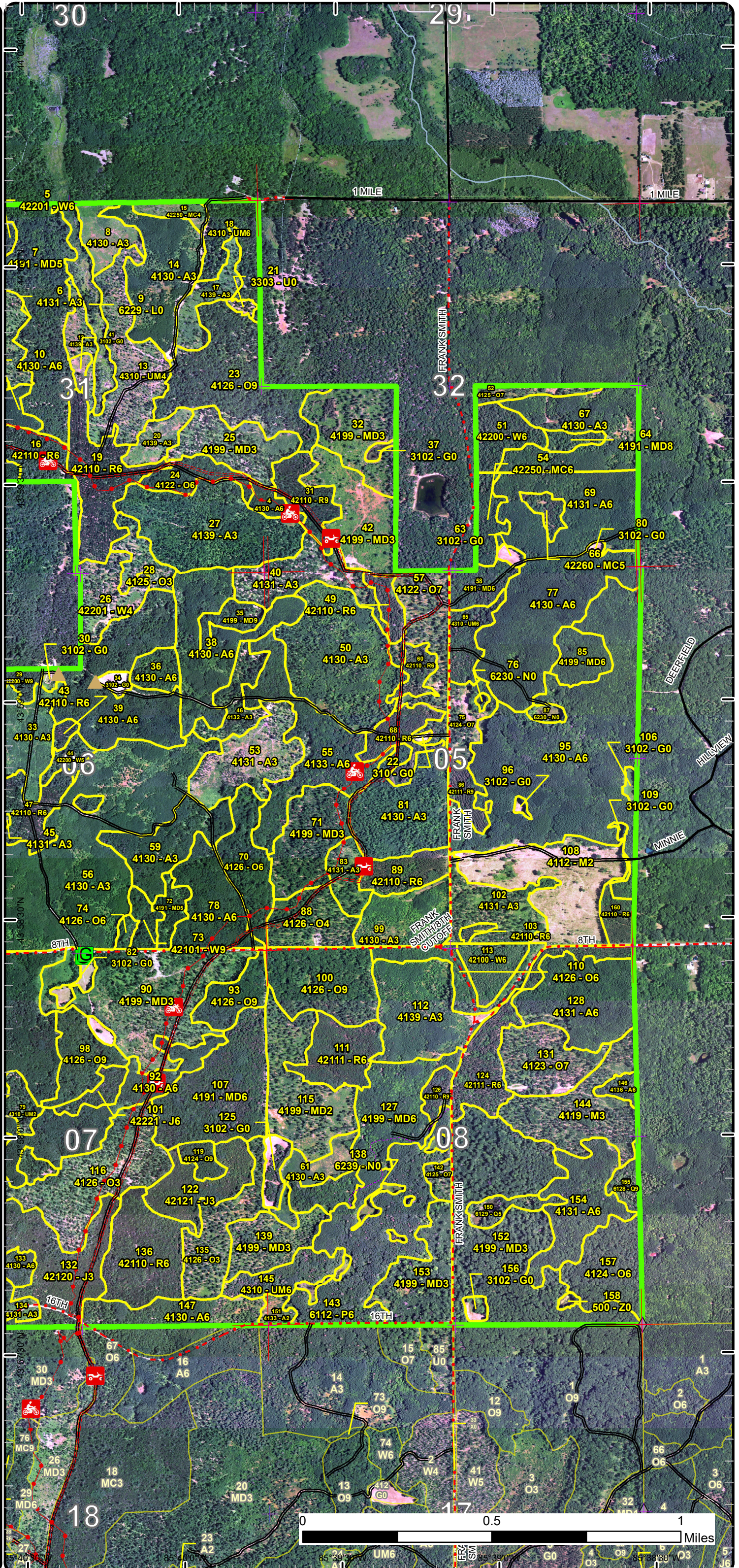


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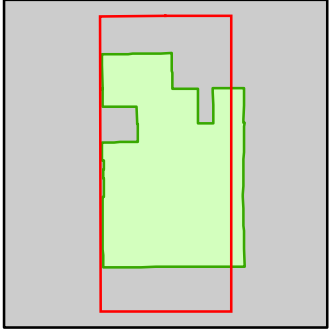


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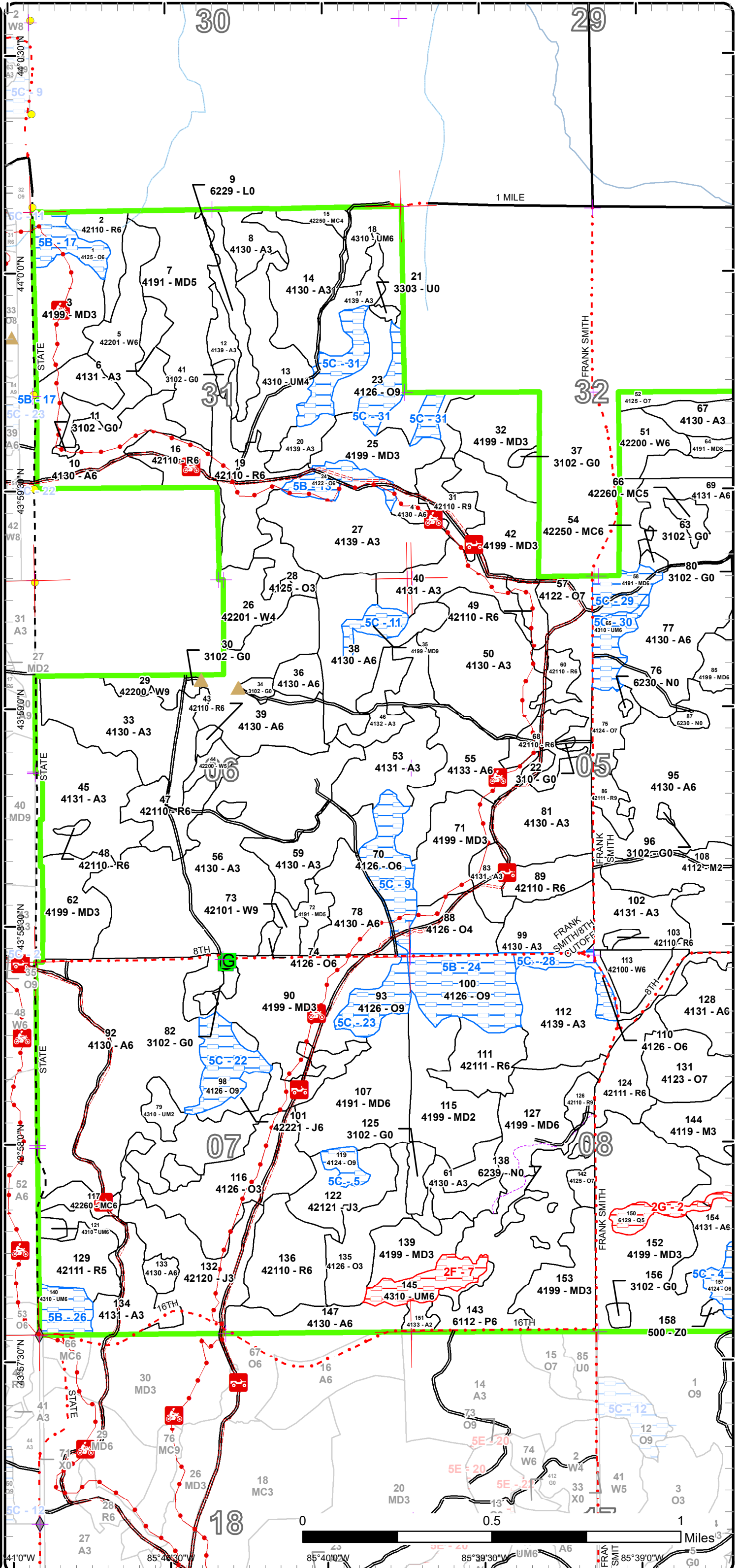


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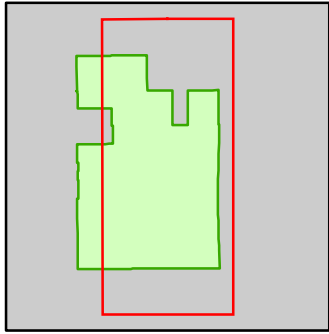


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Cold Water Streams

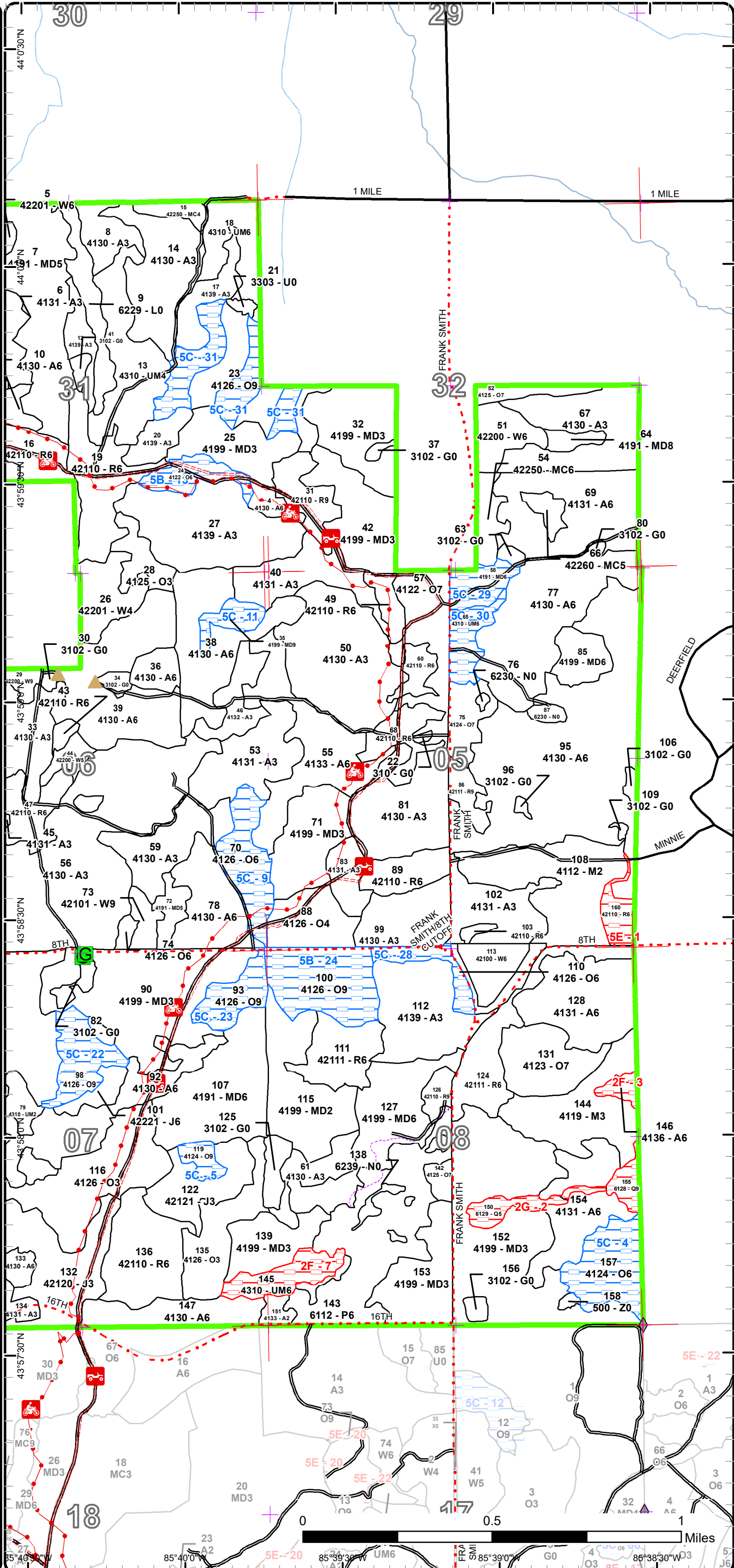


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- Available w/ Constraints
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- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams





Report 2 – Treatment Summary

Cadillac Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 14

Total Compartment Acres: 3,202

Commercial Harvest - 408
 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
Aspen	257	0	0	0	0	0	0	0	0	257
Oak	0	0	22	0	0	0	39	0	0	61
Red Pine	44	0	0	0	0	46	0	0	0	89
Total	301	0	22	0	0	46	39	0	0	408

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	408	25	0	0	0	46	0	0	17	495
Next Step	0	38	38	0	0	76	780	0	0	933
Total	408	63	38	0	0	122	780	0	17	1428



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:

2	63014002-Cut	12.3	42110 - Planted Red Pine	Poletimber Well	37	171- 200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut and remove every third row.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

4	63014004-Cut	4.9	4130 - Aspen	Poletimber Well	56		Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut with no retention due to small size. Include grouse spec.

Specs:

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

Treatments:

Acceptable Aspen, Oak, Maple

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

23	63014023-Cut	21.9	4126 - White, Black, N. Pin Oak	Sawtimber Well	86	51-80	Harvest	Strip/Patch/Gap Cut (Femelschlag)	412 - Oak Types	Two-Aged	No
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Prescription Clearcut specified treatment areas (roughly 1/3 to 1/2 of parent stand). Whole tree skid to increase scarification. Oak wilt spec.

Specs:

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

Treatments:

Acceptable Preferably oaks, some maple, aspen, cherry, white pine acceptable.

Regen:

Other Percentage to Treat: 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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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
55 63014055-Cut	42.6	4133 - Aspen, Mixed Pine	Poletimber Well	47	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with standard retention. Include grouse spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>										
57 63014057-Cut	39.3	4122 - Oak, Pine	Sawtimber Poor	100	1-50	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Remove overstory left in last cut to release regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Oak, Maple, Aspen, Pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>										
63 63014063-NF	1.9	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Keep open. Treatment may include mowing, tilling, planting, brush and tree cutting, planting soft and hard mast species, or shrubs. <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> 10/1 /2021</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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68	63014068-Cut	13.2	42110 - Planted Red Pine	Poletimber Well	62	171-200	Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
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Prescription Thin to residual BA of 120, removing suppressed and poor form trees. Remove all aspen. Where possible, release advanced white oak regeneration.
Specs:

Next Step
Treatments:

Acceptable Regen: Red Pine, Oak, Maple

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

77	63014077-Cut	112.8	4130 - Aspen	Poletimber Well	55		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with standard retention. Include grouse spec.
Specs:

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

Acceptable Regen: Aspen, Red Maple, Oak, Cherry, White Pine

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

80	63014080-NF	0.9	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
----	-------------	-----	--------------	------------	--	--	--------------	-----------------	---------------------------	--	----

Prescription Keep open. Treatment may include mowing, tilling, planting, brush and tree cutting, planting soft and hard mast species, or shrubs.
Specs:

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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82	63014082-NF	4.2	3102 - Grass	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
----	-------------	-----	--------------	------------	-------------	--------------	-----------------	---------------------------	--	----

Prescription Keep open. Treatment may include mowing, tilling, planting, brush and tree cutting, planting soft and hard mast species, or shrubs.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2021

82	63014091-NF	1.8	3102 - Grass	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Keep open. Treatment may include mowing, tilling, planting, brush and tree cutting, planting soft and hard mast species, or shrubs.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2021

96	63014096-NF	1.0	3102 - Grass	Nonstocked		NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
----	-------------	-----	--------------	------------	--	--------------	-----------------	---------------------------	--	----

Prescription Keep open. Treatment may include mowing, tilling, planting, brush and tree cutting, planting soft and hard mast species, or shrubs.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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108	63014108-Spray	45.5	4112 - Maple, Beech, Cherry Association	Sapling Medium	5	Immature	Pesticide	ERROR	4211 - Planted Red Pine	Even-Aged	No
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Prescription Skidder release spray to remove deciduous competition, primarily red maple.

Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Red Pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

124	63014110-Cut	38.2	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	62	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
-----	--------------	------	---	-----------------	----	---------	---------	-------------------------	-------------------------	-----------	----

Prescription Clearcut white pine on north side of road, red pine on south side of road, and mixed hardwoods in between. Use standard retention.

Specs:

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

Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Planted red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

111	63014111-Cut	20.4	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	47	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
-----	--------------	------	---	-----------------	----	---------	---------	---------------------	-------------------------	-----------	----

Prescription Third row thin removing all trees within each take row.

Specs:

Next Step

Treatments:

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
125	63014125-NF	4.5	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Keep open. Treatment may include mowing, tilling, planting, brush and tree cutting, planting soft and hard mast species, or shrubs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2021</p>											
126	63014126-Cut	5.3	42110 - Planted Red Pine	Sawtimber Well	65	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all red pine. Red pine only.</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> red maple, aspen, red pine, white oak</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2022</p>											
128	63014128-Cut	45.2	4131 - Aspen, Oak	Poletimber Well	57		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with standard retention. Use grouse spec. Cold winter harvest for low areas in aspen.</p> <p><u>Specs:</u> Clearcut red pine and mixed hardwoods out to the road. Allow to return to aspen.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen & Mixed Hardwoods</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2021</p>											
131	63014131-Prep	24.9	4123 - Red Oak	Sawtimber Poor	80	1-50	SitePrep	Scarification	412 - Oak Types	Two-Aged	No
<p><u>Prescription</u> Scarify entire stand, working around residual oaks.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Oak, maple</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2021</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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147	63014147-Cut	20.7	4130 - Aspen	Poletimber Well	42	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-----	--------------	------	--------------	-----------------	----	---------	-------------------------	-------------	-----------	----

Prescription Clearcut with standard retention, use grouse spec. Harvest with stand 16 in compartment 63023 to the south.

Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Aspen, Maple, Oak, Pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

154	63014154-Cut	30.8	4131 - Aspen, Oak	Poletimber Well	55	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Include grouse spec. Cold winter harvest to capture low area, otherwise exclude.

Specs:

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

Treatments:

Acceptable Aspen, mixed hardwoods.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

156	63014156-NF	2.3	3102 - Grass	Nonstocked	0	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Keep open. Treatment may include mowing, tilling, planting, brush and tree cutting, planting soft and hard mast species, or shrubs.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Total Treatment 494.6
Acreage Proposed:

Report 4 – Site Conditions

Cadillac Mgt. Unit
Michael Aksamit : Examiner

Compartment: 14
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C	2F	2G	5E
		With Condition	Not Available						
1458	1453	0	5	Aspen			4	1	
30	30	0	0	Herbaceous Openland					
70	70	0	0	Jack Pine					
2	2	0	0	Low-Density Trees					
61	61	0	0	Lowland Aspen/Balsam Poplar					
13	0	0	13	Lowland Conifers				13	
16	16	0	0	Lowland Shrub					
10	10	0	0	Marsh					
585	567	18	0	Mixed Upland Deciduous		18			
27	27	0	0	Natural Mixed Pines					
83	83	0	0	Northern Hardwood					
383	205	178	0	Oak	57	121			
260	252	0	7	Red Pine					7
109	72	22	14	Upland Mixed Forest	11	12	14		
1	1	0	0	Water					
96	96	0	0	White Pine					
3,202	2,944	218	39	Total Forested Acres	68	151	18	14	7
	92%	7%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Wet area with flowing water between stands 155 and 150.							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Michael Aksamit : Examiner

Compartment: 14
Year of Entry: 2022

3	Unavailable	2F: Too steep	4	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: Steep slopes leading down to a wet flooded cedar/hemlock stand.							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2F: Too steep	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Michael Aksamit : Examiner

Compartment: 14
Year of Entry: 2022

13	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5B: Maintain for regeneration purposes	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Michael Aksamit : Examiner

Compartment: 14
Year of Entry: 2022

28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
1	4125 - Black, N. Pin Oak	Poletimber Well	12.6	84	51-80	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/Sap/Log</td> <td>7</td> <td></td> </tr> <tr> <td>White Oak</td> <td>15</td> <td>Pole/Sap/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>45</td> <td>Log/Pole</td> <td>12</td> <td>84</td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Pole/Sap/Log	7		White Oak	15	Pole/Sap/Log	8		Black/Red (Hybrid) Oak	45	Log/Pole	12	84	White Pine	25	Pole/Log	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>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling	Black Cherry	Medium	< 5 feet	Sapling													
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Black Cherry	Medium	< 5 feet	Sapling																																																		
2	42110 - Planted Red Pine	Poletimber Well	12.3	37	171-200	N/A	Red pine planted 1983. FTP C63-222.																																														
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Black/Red (Hybrid) Oak	5	Pole/Log	8																																																		
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3	4199 - Other Mixed Upland Deciduous	Sapling Well	29.1	6	1-50	N/A	Stand treated timber sale 63-029-12-01, "C14 Scattered Oak".																																														
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Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling																																																		
4	4130 - Aspen	Poletimber Well	4.9	56		N/A	2020: Stand was originally part of stand 25 to the north. Appears to be different composition than original makeup of stand 25. Previous Inventory Comments: Stand treated timber sale #63-029-12-01, "C14 Scattered Oak".																																														
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5	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	33.4	67	111-140	N/A	2020: Some of the larger black/red oak is starting to fall out. Sapling red maple and hybrid red oak throughout. Previous Inventory Comments: Small amount of aspen. Larger DBH red pine to south of stand.																																														
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White Pine	Medium	< 5 feet	Sapling																																																		
White Oak	Medium	Variable	Sapling																																																		
6	4131 - Aspen, Oak	Sapling Well	10.2	6	1-50	N/A	Previous Inventory Comments: Stand treated timber sale #63-029-12-01, "C13 Scattered Oak". Previous Draft Treatment Notes: Cut all trees in aspen areas. In rest of stand mark oak, red pine to keep averaging 30-40 BA.																																														
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7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	53.6	76	1-50	N/A	2020: Stand is regenerating well with many advanced stems of black/red oak, as well as a carpet of white oak and red maple seedlings. Some pockets of Aspen throughout stand. Some areas heavier to white pine than others. Hilly along eastern edge. Previous Inventory Comments: Timber sale has taken place but no record could be found.																																																
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8	4130 - Aspen	Sapling Well	12.0	7	Immature	N/A	Stand treated timber sale #63-031-12-01, "C14 Oakypine".																																																
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9	6229 - Mixed lowland shrub	Nonstocked	15.6			No	2020: Flowing water through center of stand. Pockets of pole sized white pine and red maple on edges w/ occasional x-log white pine. Very high water table.																																																
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10	4130 - Aspen	Poletimber Well	51.7	38		N/A	Pocket of oak, white pine, and red maple to the east.																																																
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13	4310 - Pine, Oak Mix	Poletimber Poor	35.6	65	1-50	N/A	2020: Regen doing very poorly in northern 1/2 of stand, being heavily browsed, looks like a savanna. Northernmost tip of stand with no residual canopy is almost barren. Southern 1/2 of stand has much heavier oak regen, mainly red with some white mixed in. Stand treated timber sale #63-031-12-01, "C14 Oakypine".																																																			
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14	4130 - Aspen	Sapling Well	35.6	15	Immature	N/A	Stand treated timber sale #630430201, "Red Hand Hardwoods". Closed 2005.																																																			
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15	42250 - Pine, Oak	Poletimber Poor	5.5	28	1-50	N/A	Stand treated timber sale #63-031-12-01, "C14 Oakypine".																																																			
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16	42110 - Planted Red Pine	Poletimber Well	16.2	48	111-140	N/A	Cannot find FTP.																																																			
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17	4139 - Aspen, Mixed Deciduous	Sapling Well	13.0	6	1-50	N/A	Stand treated timber sale #63-029-12-01, "C14 Scattered Oak".																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18	4310 - Pine, Oak Mix	Poletimber Well	19.2	55	51-80	N/A	2020: Core taken on 14 inch white pine, 55 YO.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	10	Pole	7		Red Maple	Medium	< 5 feet	Sapling
Bigtooth Aspen	5	Pole/Sapling	6		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	25	Pole/Log	9		Black Cherry	Medium	Variable	Sapling
White Pine	45	Pole/Sap/Log	8	55	Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Red Maple	10	Pole/Log	8					
Jack Pine	5	Pole/Sapling	6					

Previous Inventory Comments:
Pockets of heavy hawthorn. Heavy blowdown throughout the stand.

19	42110 - Planted Red Pine	Poletimber Well	30.6	59	81-110	N/A	Stand treated timber sale #63-030-12-01, "Recreation Pine". Third row thin. Cut in 2013.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	85	Pole/Log	8	59	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	10	Pole/Log/Sap	8		Black Cherry	Low	< 5 feet	Sapling
Black Cherry	2	Pole/Sapling	6		Bigtooth Aspen	Medium	10 - 20 feet	Sapling
White Pine	3	Pole/Sap/Log	8					

20	4139 - Aspen, Mixed Deciduous	Sapling Well	9.0	6	Immature	N/A	Stand treated timber sale #63-031-12-01, "C14 Oakypine".
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Log	10	82
White Oak	5	Log	10	
White Pine	5	Pole/Sap/Log	7	
Bigtooth Aspen	45	Sapling	1	6
Red Maple	35	Sapling	1	6

21	3303 - Mixed Low Density Trees	Nonstocked	1.5			Managed Opening	
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Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low		Pole
White Oak	Low		Log
Black/Red (Hybrid) Oak	Low		Log
Black Cherry	Low		Pole

22	310 - Herbaceous Openland	Nonstocked	0.7	0		No	Oil and Gas Project Plugged 1954 Permit #18715
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23	4126 - White, Black, N. Pin Oak	Sawtimber Well	50.7	86	51-80	N/A	2020: Second age class of primarily maple, as well as some oak and aspen developing underneath overstory in some portions of stand. Poorly stocked in areas, and not great timber quality. Previous Inventory Comments: Open areas throughout stand. There are a couple of low, wet areas in the stand but of very small size. Leave stand for age class distribution.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Pole/Log	8		Red Maple	High	10 - 20 feet	Sapling
Bigtooth Aspen	10	Pole/Log	8		White Oak	Low	Variable	Sapling
Black/Red (Hybrid) Oak	45	Log/Pole	10	86	White Pine	Medium	Variable	Sapling
White Pine	25	Pole/Sap/Log	7		Black Cherry	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24	4122 - Oak, Pine	Poletimber Well	11.2	88	111-140	N/A	Trace of black cherry. Small acreage. Stand left between ORV trails after harvest.
Canopy Species	% Cover	Size Class	DBH	Age			
Red Maple	5	Pole/Log	8				
Black/Red (Hybrid) Oak	40	Log/Pole	10	88			
White Oak	20	Pole/Log	9				
White Pine	35	Pole/Sap/Log	6				
Sub-Canopy Species	Density	Avg. Height	Size				
White Pine	High	5 - 10 feet	Sapling				
Red Maple	Medium	Variable	Sapling				

25	4199 - Other Mixed Upland Deciduous	Sapling Well	23.5	6	1-50	N/A	
Canopy Species	% Cover	Size Class	DBH	Age			
White Oak	20	Sapling/Pole/Log	2				
Black/Red (Hybrid) Oak	20	Log/Pole	10	98			
White Pine	4	Pole	7				
Red Maple	56	Sapling	1	6			
Sub-Canopy Species	Density	Avg. Height	Size				
Bigtooth Aspen	Low	10 - 20 feet	Sapling				
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling				

26	42201 - Natural White Pine, Mixed Deciduous	Poletimber Poor	17.6	60	1-50	N/A	Stand treated timber sale #63-031-12-01, "C14 Oakypine".
Canopy Species	% Cover	Size Class	DBH	Age			
Black/Red (Hybrid) Oak	15	Pole/Log	8				
White Pine	60	Pole/Log	8	60			
Red Pine	10	Pole/Log	8				
Black Cherry	15	Pole/Sapling	6				
Sub-Canopy Species	Density	Avg. Height	Size				
White Pine	Medium	5 - 10 feet	Sapling				
Black Cherry	Medium	5 - 10 feet	Sapling				
Red Maple	Low	< 5 feet	Seeding				

27	4139 - Aspen, Mixed Deciduous	Sapling Well	51.2	15	Immature	N/A	Previous Inventory Comments:Stand swapped from Non-Forested to Forested. Zones of aspen clones, red maple, and oak.
Canopy Species	% Cover	Size Class	DBH	Age			
Red Maple	30	Sapling	2	15			
White Oak	5	Sapling	2	15			
Bigtooth Aspen	50	Sapling	3	15			
Black/Red (Hybrid) Oak	5	Sapling	2	15			
Black/Red (Hybrid) Oak	5	Log	10	91			
Red Pine	5	Pole/Log	9	91			
Sub-Canopy Species	Density	Avg. Height	Size				
Witch Hazel	Low	< 5 feet	Tall Shrub				

28	4125 - Black, N. Pin Oak	Sapling Well	10.7	7	1-50	N/A	Stand treated timber sale #63-031-12-01, "C14 Oakypine".
Canopy Species	% Cover	Size Class	DBH	Age			
White Oak	10	Pole/Log	8				
Black/Red (Hybrid) Oak	60	Sapling	2	7			
Red Pine	5	Pole	7				
Black/Red (Hybrid) Oak	25	Log	10	88			
Sub-Canopy Species	Density	Avg. Height	Size				
White Pine	Low	5 - 10 feet	Sapling				
Hawthorn (spp.)	Low	< 5 feet	Tall Shrub				
Black Cherry	Low	< 5 feet	Seeding				
Red Maple	Low	< 5 feet	Seeding				
Black/Red (Hybrid) Oak	Medium	< 5 feet	Seeding				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
29	42200 - Natural White Pine	Sawtimber Well	7.2	55	81-110	N/A																																																							
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30	3102 - Grass	Nonstocked	1.5			No																																																							
31	42110 - Planted Red Pine	Sawtimber Well	14.7	62	141-170	N/A																																																							
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32	4199 - Other Mixed Upland Deciduous	Sapling Well	30.7	7	1-50	N/A	<p>2020: Some residual overstory oak and red pine. Pockets of red pine in western portion of stand. Understory has variable regeneration with large pockets of oak and maple.</p> <p>2013 Comments: Stand treated timber sale #63-022-12-01, "Shagbark Oak".</p> <p>Previous Comments: Stand under planted with red pine but no FTP could be found. Oak falling out of stand. Lots of down woody debris.</p>																																																						
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33	4130 - Aspen	Sapling Well	50.0	7	Immature	N/A	Stand treated timber sale #63-043-12-01, "Aspen & Mast". Cut in 2013. Stand clearcut with no retention per Compartment Review.																																																						
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34	3102 - Grass	Nonstocked	2.6			Managed Opening	2020: Autumn Olive along edges.																																																						



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35	4199 - Other Mixed Upland Deciduous	Sawtimber Well	7.3	94	51-80	N/A	Previous Inventory Comments: Do not cut. Keep this stand for age class diversity and mast production.																																						
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36	4130 - Aspen	Poletimber Well	7.9	43		N/A	Stand appears to have been treated with stand 22 but no record could be found of timber sale.																																						
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37	3102 - Grass	Nonstocked	1.4			No	2020: Pond with stringy sapling/pole jack pine. 2010: Adjacent landowner trespass of hunting blind and farming disc on state land. CO was contacted.																																						
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38	4130 - Aspen	Poletimber Well	39.8	27	Immature	N/A	Stand treated 1993 timber sale #630179201.																																						
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39	4130 - Aspen	Poletimber Well	52.2	43		N/A																																							
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40	4131 - Aspen, Oak	Sapling Well	24.3	7	1-50	N/A	Stand treated timber sale #63-044-12-01, "Frank Mix".																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
41	3102 - Grass	Nonstocked	2.2	0		No																																								
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42	4199 - Other Mixed Upland Deciduous	Sapling Well	28.8	7	1-50	N/A	2020: Some residual overstory oak. Understory has variable regeneration with large pockets of oak and maple. 2013 Comments: Stand treated timber sale #63-022-12-09, "Shagbark Oak". Previous Comments: East side of stand heavier to pine. Oak and jack pine falling out of stand. Good amount of black and white oak regen.																																							
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43	42110 - Planted Red Pine	Poletimber Well	2.4	57	111-140	N/A	Stand treated timber sale #63-045-12-01, "RPZ".																																							
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44	42200 - Natural White Pine	Poletimber Medium	5.5	55	51-80	N/A																																								
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45	4131 - Aspen, Oak	Sapling Well	49.5	7	Immature	N/A	Stand treated timber sale #63-036-12-01, "3 Rocks and a Sista".																																							
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46	4132 - Aspen, Jack Pine	Sapling Well	13.7	27	Immature	N/A	Stand treated timber sale #63-017-92-01. Occasional overstory white and red pine.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47 42110 - Planted Red Pine Poletimber Well 20.0 58 111-140 N/A Stand treated timber sale #63-045-12-01, "RPZ".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	95	Pole/Log	8	58	Red Maple	Low	< 5 feet	Sapling
White Pine	2	Pole	7		Beech	Trace	< 5 feet	Sapling
Jack Pine	2	Pole	7					
Black/Red (Hybrid) Oak	1	Pole	7					

48 42110 - Planted Red Pine Poletimber Well 1.4 58 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	9		Red Maple	Medium	< 5 feet	Sapling
Red Oak	5	Pole/Log	8					
White Oak	5	Pole	7					
Red Pine	85	Pole	8	58				

49 42110 - Planted Red Pine Poletimber Well 6.6 62 111-140 N/A Stand treated timber sale #630290201

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	95	Pole/Log	9	62	Red Maple	High	5 - 10 feet	Sapling
White Pine	5	Log/Pole	10		Beech	Low	< 5 feet	Sapling
					Black Cherry	Low	< 5 feet	Sapling
					White Oak	Medium	Variable	Sapling

50 4130 - Aspen Sapling Well 55.6 15 Immature N/A Stand treated timber sale #630440201, 2005.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	80	Sapling/Pole	3	15
Jack Pine	2	Pole/Sapling	5	
Red Pine	3	Sapling/Pole	4	
Black/Red (Hybrid) Oak	10	Pole/Log/Sap	8	
White Oak	5	Pole/Log/Sap	8	

51 42200 - Natural White Pine Poletimber Well 13.7 30 81-110 N/A Stand treated timber sale #630189201. White pine understory was released.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log/Sap	9		Red Maple	Low	< 5 feet	Sapling
White Oak	5	Pole/Log	8		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole	12		Black Cherry	Low	Variable	Sapling
White Pine	75	Pole/Log	8	30				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
52	4125 - Black, N. Pin Oak	Sawtimber Poor	6.5	78	1-50	N/A	2020: Moderate regeneration in stand to mostly aspen and maple. White pine seedlings scattered all across site. Heavy deer browse.																																																					
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54	42250 - Pine, Oak	Poletimber Well	9.3	38	81-110	N/A																																																						
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55	4133 - Aspen, Mixed Pine	Poletimber Well	42.6	47	111-140	N/A	Previous Inventory Comments: Stand underplanted with white pine (no records could be found), small pole size. Area north of recreational trail has slightly more pine but smaller diameters.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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56 4130 - Aspen Sapling Well 126.7 16 Immature N/A Stand treated timber sale #630300201, Six Wheel Mix, 2004.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	16
Bigtooth Aspen	78	Sapling	2	16
Black Cherry	3	Sapling	2	16
Jack Pine	2	Sapling	2	16
Black/Red (Hybrid) Oak	5	Sapling	2	16
White Pine	2	Sapling	2	16

57 4122 - Oak, Pine Sawtimber Poor 27.2 100 1-50 N/A Stand treated timber sale #63-031-12-01, "C14 Oakypine".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	25	Pole/Log	8		Red Maple	High	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	40	Log/Pole	10	100	White Pine	Medium	< 5 feet	Sapling
White Pine	35	Pole/Log	9		Black Cherry	Low	< 5 feet	Sapling
					Quaking Aspen	High	5 - 10 feet	Sapling
					Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
					White Oak	Medium	< 5 feet	Sapling

58 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 10.6 100 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	8	38	Red Maple	Medium	< 5 feet	Sapling
White Oak	15	Pole/Log	8	38	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	10	Pole	7	38	White Pine	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	25	Log/Pole	10	100	Black Cherry	Medium	< 5 feet	Sapling
White Pine	25	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Pine	3	Pole/Log	9		Hawthorn (spp.)	Low	< 5 feet	Tall Shrub
Jack Pine	5	Pole	5					
Black Cherry	2	Pole/Log	8					

59 4130 - Aspen Sapling Well 25.3 28 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	75	Sapling/Pole	4	28
Jack Pine	5	Sapling/Pole	4	
Red Pine	5	Pole/Log	8	
Black/Red (Hybrid) Oak	5	Sapling/Pole	4	
Red Maple	10	Sapling/Pole	4	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
60	42110 - Planted Red Pine	Poletimber Well	6.8	62	111-140	N/A	Stand treated timber sale #63-044-12-01, "Frank Mix".																																																			
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61	4130 - Aspen	Sapling Well	12.3	5	Immature	N/A	Stand treated timber sale #63-031-12-01, "Horse Apples".																																																			
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62	4199 - Other Mixed Upland Deciduous	Sapling Well	27.7	16	1-50	N/A	2020: Regenerating heavily to red maple with some pockets of aspen and oak. Regeneration has advanced too far for overstory removal to be feasible. Previous Inventory Comments: Timber sale 2004.																																																			
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63	3102 - Grass	Nonstocked	1.9			Managed Opening																																																				
64	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	4.2	87	1-50	N/A	2020: Overstory residual species are primarily red oak, white oak, white pine, and jack pine. Even aged understory is regenerating heavily to oak. Second age taken from ~12 foot tall red oak sapling representative of the typical regen. No record of cuts occurring. Previous Inventory Comments: New stand added																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66 42260 - Natural Pine, Mixed Deciduous Poletimber Medium 4.9 38 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Pole/Sap/Log	7	
Jack Pine	50	Pole/Sapling	6	38
Bigtooth Aspen	20	Pole/Sapling	6	
White Oak	5	Pole/Sapling	5	
Black/Red (Hybrid) Oak	5	Pole/Sapling	5	

67 4130 - Aspen Sapling Well 38.0 27 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling/Pole	3	27	Witch Hazel	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	70	Sapling/Pole	4	27	White Oak	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	10	Sapling	2		Black Cherry	Low	5 - 10 feet	Sapling
Black Cherry	2	Sapling/Pole	3		White Pine	Low	< 5 feet	Sapling
White Pine	3	Log/Pole	10					

68 42110 - Planted Red Pine Poletimber Well 13.2 62 171-200 N/A Third row thinned 1997 timber sale #630239401.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	8	Pole	7		Red Maple	High	< 5 feet	Sapling
Red Pine	80	Pole/Log	8	62	Black Cherry	Low	< 5 feet	Sapling
Black Cherry	2	Pole	7		White Oak	Low	Variable	Sapling
White Pine	10	Pole/Log	8			Low	Variable	Sapling

69 4131 - Aspen, Oak Poletimber Well 45.0 38 N/A New stand added.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Bigtooth Aspen	50	Pole/Sapling	7	38	Black Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	15	Pole/Sapling	6		Hawthorn (spp.)	Low	< 5 feet	Tall Shrub
White Pine	5	Log/Pole	10		White Oak	Low	Variable	Sapling
White Oak	5	Pole/Sapling	5					
Red Pine	3	Log/Pole	10					
Jack Pine	2	Pole/Sapling	7					

70 4126 - White, Black, N. Pin Oak Poletimber Well 21.6 88 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	35	Pole/Log	9		Red Maple	High	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	55	Log/Pole	10	88	Bigtooth Aspen	Low	10 - 20 feet	Sapling
Red Pine	5	Pole/Log	9		White Pine	Low	5 - 10 feet	Sapling
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
71	4199 - Other Mixed Upland Deciduous	Sapling Well	27.7	7	1-50	N/A	Stand treated timber sale #63-035-12-01, "Phantom Mask". ORV Trail runs through stand. Old Pinora fire tower supports in stand. Two-track leads to site.																																								
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72	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	7.0	67	81-110	N/A	2020: Low vigour stand with punky hybrid oak, cherry, and Jack pine in overstory with a decent amount of 2-3" white oak in understory. Previous Inventory Comments: Area left out of surrounding treatments to form its own stand. Mix of species and sizes.																																								
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73	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	6.3	52	141-170	N/A	Previous Inventory Comments: White pine looks underplanted but no FTP could be found.																																								
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74	4126 - White, Black, N. Pin Oak	Poletimber Well	2.4	92	51-80	N/A	Previous Inventory Comments: Oak regenerating well in open areas.																																								
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75	4124 - Red with White Oak	Sawtimber Poor	12.1	100	1-50	N/A	2020: Very patchy regen Stand treated timber sale #63-044-12-01, "Frank Mix".																																								
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76	6230 - Cattail	Nonstocked	0.7			No																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
77	4130 - Aspen	Poletimber Well	57.5	55		N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple		10	Pole	6		Red Maple	Low	10 - 20 feet	Sapling	
Bigtooth Aspen		75	Pole/Log	9	55	Witch Hazel	Low	5 - 10 feet	Tall Shrub	
Black/Red (Hybrid) Oak		10	Pole/Log	9						
Black Cherry		5	Pole	8						
78	4130 - Aspen	Poletimber Well	27.0	45		N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Bigtooth Aspen		95	Pole	7	45	White Oak	Low	>20 feet	Sapling	
White Pine		5	Pole/Log	8		Black/Red (Hybrid) Oak	Low	>20 feet	Sapling	
						Black Cherry	Low	>20 feet	Sapling	
79	4310 - Pine, Oak Mix	Sapling Medium	15.1	38	1-50	N/A	Could possibly been a wildlife cut. No records could be found			
Canopy Species		% Cover	Size Class	DBH	Age					
White Oak		30	Sapling	2	12					
Black/Red (Hybrid) Oak		10	Sapling	2						
White Pine		10	Log/Pole	12						
Jack Pine		40	Pole/Sapling	6	38					
Black Cherry		10	Sapling/Pole	4						
80	3102 - Grass	Nonstocked	0.9			Managed Opening				
81	4130 - Aspen	Sapling Well	38.0	15		N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Previous Inventory Comments: Stand cut 2004. Overstory of mature oak. Stand regenerating to aspen, red maple, small amount oak.
Red Maple		20	Sapling/Pole	4	15	Witch Hazel	Low	< 5 feet	Tall Shrub	
Red Oak		8	Pole/Sap/Log	6		Black Raspberry	Low	< 5 feet	Tall Shrub	
White Oak		2	Pole	8		Red Pine	Low	< 5 feet	Sapling	
Bigtooth Aspen		70	Sapling/Pole	3	15					
82	3102 - Grass	Nonstocked	6.0		Unspecified	Managed Opening	wildlife opening			
83	4131 - Aspen, Oak	Sapling Well	10.8	7	1-50	N/A	Stand treated timber sale #63-025-12-01, "Grouses 11". ORV Route and Trail run through stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Oak		20	Log/Pole	10	82	White Pine	Low	5 - 10 feet	Sapling	
White Oak		10	Pole/Log	9						
Bigtooth Aspen		55	Sapling	1	7					
Red Maple		15	Sapling	1	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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85 4199 - Other Mixed Upland Deciduous Poletimber Well 11.6 30 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Sapling	6	30	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	5	Pole/Sapling	6					
Black/Red (Hybrid) Oak	40	Pole	7					
Bigtooth Aspen	15	Pole/Sapling	6					

86 42111 - Planted Red Pine, Mixed Deciduous Sawtimber Well 7.4 62 141-170 N/A Stand treated timber sale # 630290201, "Blackmail Pine & Oak".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Log	12		Red Maple	High	10 - 20 feet	Sapling
Red Pine	80	Log/Pole	10	62	Witch Hazel	Low	< 5 feet	Tall Shrub
					Beech	Medium	5 - 10 feet	Sapling

87 6230 - Cattail Nonstocked 2.7 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	>20 feet	Pole
White Pine	Low	>20 feet	Pole
Red Maple	Medium	>20 feet	Pole

88 4126 - White, Black, N. Pin Oak Poletimber Poor 19.7 70 1-50 N/A Stand treated timber sale #63-035-12-01, "Phantom Mask". ORV Route and Trail run through stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	70	Pole/Log	8	70	Bigtooth Aspen	High	5 - 10 feet	Sapling
White Oak	25	Pole/Log	8		White Oak	Low	Variable	Sapling
White Pine	5	Pole/Log	8		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
					White Pine	Medium	Variable	Sapling

89 42110 - Planted Red Pine Poletimber Well 13.0 62 141-170 N/A Stand treated timber sale #63-045-12-01, "RPZ". Third row thinned 1992, sale #630059201. Few small pockets of aspen within stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Pole	6		Red Maple	Medium	< 5 feet	Sapling
Red Pine	95	Pole/Log	9	62	Black Cherry	Medium	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
90	4199 - Other Mixed Upland Deciduous	Sapling Well	65.1	6	Immature	N/A	Stand treated timber sale #63-003-12-01, "Baldwin Three". Clearcut all trees 2" DBH or greater EXCEPT oak under 4.5" DBH and green ringed trees. Cut in 2014.																																																															
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92	4130 - Aspen	Poletimber Well	175.3	38		N/A	Stand treated timber sale #630288101. Small amount of white pine and white birch poles. Few overstory white pine logs. Few small pockets of older aspen left over from cut. East side has a heavier white and red pine component.																																																															
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95	4130 - Aspen	Poletimber Well	128.1	47		N/A	High quality Aspen, more log class internally in stand. Stand has small areas that are heavier to red maple pulp especially south of stand 124.																																																															
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96	3102 - Grass	Nonstocked	1.0			Managed Opening																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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98 4126 - White, Black, N. Pin Oak Sawtimber Well 17.9 100 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	33	Log/Pole/XLog	12		White Oak	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	50	Log/Pole/XLog	14	100	Black/Red (Hybrid) Oak	Medium	Variable	Sapling
White Pine	10	Pole/Log	8		Black Cherry	Medium	< 5 feet	Sapling
Red Pine	2	Log/Pole	10					
Jack Pine	5	Pole	8					

99 4130 - Aspen Sapling Well 23.0 16 N/A Stand treated timber sale #630290201, "Blackmail Pine and Oak".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling	1	16	Black Raspberry	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	65	Sapling	1	16				
White Pine	10	Pole/Sapling	5					
White Oak	3	Sapling	1					
Red Oak	2	Sapling	1					

100 4126 - White, Black, N. Pin Oak Sawtimber Well 32.9 78 1-50 N/A Stand treated timber sale #630270701, Devil's Corner Re-Bid. Cut summer/fall of 2009.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	30	Log/Pole	10		Red Maple	High	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	60	Log/Pole	12	78	Bigtooth Aspen	Low	10 - 20 feet	Sapling
White Pine	10	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
					White Oak	Medium	Variable	Sapling
					Black/Red (Hybrid) Oak	Medium	Variable	Sapling
					Black Cherry	Medium	10 - 20 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling

101 42221 - Natural Jack Pine, Mixed Deciduous Poletimber Well 6.4 41 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Jack Pine	70	Pole	6	41
Black Cherry	20	Pole	6	

102 4131 - Aspen, Oak Sapling Well 23.5 6 1-50 N/A Stand treated timber sale #63-037-12-01, "Geezer Oak".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	25	Sapling	1	6	White Oak	Low	< 5 feet	Seeding
White Oak	7	Log/Pole	10	95	Red Pine	Low	10 - 20 feet	Sapling
Red Oak	3	Log	14		Red Maple	Low	5 - 10 feet	Sapling
Bigtooth Aspen	45	Sapling	1	6				
White Pine	10	Sapling/Pole	3					
Black/Red (Hybrid) Oak	10	Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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103 42110 - Planted Red Pine Poletimber Well 1.7 62 111-140 N/A Stand treated timber sale #63-045-12-01, "RPZ".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Pole/Log/Sap	7		Beech	Low	< 5 feet	Sapling
White Oak	5	Pole/Log	8		White Pine	Low	< 5 feet	Sapling
Red Pine	90	Pole/Log	8	62	White Oak	Low	Variable	Sapling

106 3102 - Grass Nonstocked 1.8 Immature Managed Opening

107 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 46.1 41 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	15	Pole/Sapling	6	41	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	15	Pole	6	41				
Black/Red (Hybrid) Oak	20	Pole/Sapling	6	41				
Jack Pine	40	Pole	6	41				
Black Cherry	5	Sapling/Pole	4	41				
Red Maple	5	Pole	6					

108 4112 - Maple, Beech, Cherry Association Sapling Medium 46.3 5 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	90	Sapling	1	5	Red Pine	Full	< 5 feet	Sapling
Black Cherry	5	Pole/Sapling	7					
Red Oak	5	Log/Pole	12					

1/15/20: Stand has heavy red maple regeneration over-topping the planted red pine. Red maple is ~10 feet tall and covers most of the stand. Without release spray we will lose much of the planted red pine. Stand trenched per FTP#C63-732 in June 2016 and May 13th, 2017. Stand treated timber sale #63-045-12-01, "RPZ". Row thinned in 1997. Timber sale #630239401. Fire scars on some red pine in the north central part of stand. Stand was trenched in June 2016 and planted May 2017.

109 3102 - Grass Nonstocked 0.7 Managed Opening

110 4126 - White, Black, N. Pin Oak Poletimber Well 14.9 98 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sap/Log	6		Red Maple	Low	< 5 feet	Sapling
White Oak	20	Pole/Sap/Log	7		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	60	Pole/Log	8	98				
White Pine	5	Pole/Log	8					
Red Pine	5	Pole/Log	8					
Bigtooth Aspen	5	Pole/Sap/Log	7					

1/15/20: Held in previous inventory cycle for age/size class diversity. Small aspen clone on eastern side of white pine.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
111	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	20.4	47	141-170	N/A	Areas of heavy aspen and oak that are out-competing the red pine in spots.																																													
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112	4139 - Aspen, Mixed Deciduous	Sapling Well	37.2	15	Immature	N/A	Stand treated timber sale #630270201, "Devil's Corner Hardwoods".																																													
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Black Raspberry	Low	< 5 feet	Tall Shrub																																																	
113	42100 - Planted White Pine	Poletimber Well	12.2	37	171-200	N/A	1/15/20: Planted white pine which has stagnated. Tops are damaged from weevil and porcupine. Most don't have more than three sticks. Probably won't gain any more volume from thinning. Very clean understory.																																													
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115	4199 - Other Mixed Upland Deciduous	Sapling Medium	37.9	5	1-50	N/A	Stand treated timber sale #63-031-12-01, "Horse Apples".																																													
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116	4126 - White, Black, N. Pin Oak	Sapling Well	45.2	6	1-50	N/A	Stand treated timber sale #63-003-12-01, "Baldwin Three". Clearcut all trees 2" DBH or greater EXCEPT oak under 4.5" DBH and green ringed trees. Cut in 2014.																																													
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117	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	7.3	58	81-110	N/A																																													
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119	4124 - Red with White Oak	Sawtimber Well	5.3	97	81-110	N/A	Leave for mast and age class diversity.																																												
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121	4310 - Pine, Oak Mix	Poletimber Well	2.5	49	111-140	N/A	White pine plantation. Rows are somewhat straight. Almost 1/2 BA comes from pulp to log oak stems.																																												
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122	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	21.8	26	141-170	N/A	Stand treated 1994, timber sale #630199201. Area trenched in Aug. 1995 then hand planted with two year old jack pine seedlings in May 1996. FTP#C63-434.																																												
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124	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	26.6	62	141-170	N/A	1/13/20: Variable stand with pockets of hardwoods starting to appear between pine. Stand treated timber sale #63-045-12-01, "RPZ". FTP from 1976 states "Red Pine plantation, 50% failures replanted in 1962" & "Two distinct ages, prune 60% total height of older red pine only, usually to 9 to 11 feet height. Crop trees spaced 20' X 20' average, where available."																																												
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125	3102 - Grass	Nonstocked	6.6		Unspecified	Managed Opening	wildlife opening																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
126	42110 - Planted Red Pine	Sawtimber Well	5.3	65	111-140	N/A	Stand treated 1993 timber sale #630290201. FTP from 1976 states "R. Pine plantation, 50% failures replanted in 1962." Also, "Two distinct ages, prune 60% total height of older r. pine only, usually to 9 to 11 feet height. Crop trees spaced 20' X 20' average, where available."																																												
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127	4199 - Other Mixed Upland Deciduous	Poletimber Well	40.0	36	81-110	N/A	2020: Some very low, hummocky wet areas in stand. Heavier to oaks and maples in southern part of stand. 2010: Some large white oak, black oak, black cherry, and red maple left over from previous cut.																																												
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128	4131 - Aspen, Oak	Poletimber Well	37.8	57		N/A	2020: Some very low, hummocky wet areas in stand. Heavier to oaks and maples in southern part of stand. 2010: Some large white oak, black oak, black cherry, and red maple left over from previous cut.																																												
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131	4123 - Red Oak	Sawtimber Poor	24.9	80	1-50	N/A	2020: Red maple stump sprouting heavily. Overall regen isn't great but is better than stand to the south. Stand treated timber sale #63-035-12-01, "Phantom Mask". Cut in ~2014.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
132	42120 - Planted Jack Pine	Sapling Well	41.4	24	Immature	N/A	2020: Low vigor planted jack pine with scattered red and white pine in overstory, and patches of oak along roads. 2010: Pocket of sapling aspen & cherry brush in west-center of stand. Previous OI Comment: Cut in 1994, Sale #630199201. Area trenched in Aug of 1995. Hand planted by crew with two year old jack pine seedlings in May 1996 (FTP #C-63-437). Small strip of uncut J5 on east side of stand.		
Canopy Species		% Cover	Size Class	DBH	Age				
White Pine		3	Log/Pole	10					
Red Pine		2	Log/Pole	10					
Jack Pine		90	Sapling/Pole	4	24				
Black/Red (Hybrid) Oak		5	Sapling/Pole	3					
133	4130 - Aspen	Poletimber Well	4.7	31	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole	6		White Pine	Trace	< 5 feet	Sapling
Bigtooth Aspen		85	Pole/Sapling	6	31	Black Cherry	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak		3	Log	12		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Red Pine		2	Log	12		White Oak	Low	10 - 20 feet	Sapling
Black Cherry		5	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
134	4131 - Aspen, Oak	Sapling Well	27.5	7	1-50	N/A	Stand treated timber sale #63-005-12-01, "Southwest 14".		
Canopy Species		% Cover	Size Class	DBH	Age				
Black/Red (Hybrid) Oak		15	Log	12	90				
White Oak		5	Pole/Log	8					
Red Pine		2	Pole/Log	8					
White Pine		3	Pole/Sap/Log	5					
Bigtooth Aspen		50	Sapling	1	7				
Red Maple		25	Sapling	1					
135	4126 - White, Black, N. Pin Oak	Sapling Well	24.6	5	1-50	N/A	Timber sale #63-034-12-01, "Horse Apples".		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak		12	Log	10		Red Maple	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		20	Log	12	97	White Pine	Low	< 5 feet	Sapling
White Pine		2	Log/Pole	10		Black Cherry	Medium	5 - 10 feet	Sapling
Red Pine		1	Log/Pole	10		Bigtooth Aspen	Low	5 - 10 feet	Sapling
White Oak		35	Sapling	1	5				
Black/Red (Hybrid) Oak		30	Sapling	1	5				
136	42110 - Planted Red Pine	Poletimber Well	33.3	35	111-140	N/A	Previous Inventory Notes: Pockets of good oak regen. Plow lines from illegal wildfire can be seen. Some scorch damage on trees.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		90	Pole	7	35	White Oak	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak		10	Pole/Sapling	6		Black/Red (Hybrid) Oak	Medium	Variable	Sapling
						Black Cherry	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
138	6239 - Mixed Emergent Wetland	Nonstocked	6.7	0		No																																																							
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139	4199 - Other Mixed Upland Deciduous	Sapling Well	19.3	7	1-50	N/A	Timber sale #63-034-12-01, "Horse Apples".																																																						
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140	4310 - Pine, Oak Mix	Poletimber Well	10.9	85	1-50	N/A	Stand treated timber sale #63-005-12-01, "Southwest 14".																																																						
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142	4125 - Black, N. Pin Oak	Sawtimber Poor	3.9	90	1-50	N/A	Stand treated timber sale #63-035-12-01, "Phantom Mask".																																																						
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143	6112 - Lowland Aspen	Poletimber Well	60.5	46		N/A																																																							
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144	4119 - Mixed Northern Hardwoods	Sapling Well	36.6	5	1-50	N/A	1/13/20: Red maple regen is very patchy, overall regen isn't great in this stand. Stand treated timber sale #63-035-12-01, "Phantom Mask". Cutting completed ~2014.																																																						
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145	4310 - Pine, Oak Mix	Poletimber Well	14.2	66	81-110	N/A	Very sparsley stocked in some areas. Illegal burn in part of stand. Fire name: Lake #6-09, March 24, 2009.																																																					
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146	4136 - Aspen, Mixed Conifer	Poletimber Well	3.8	55		N/A	1/13/20: Steep drainage with mature aspen on the slopes leading down to a small hemlock/cedar floodplain.																																																					
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147	4130 - Aspen	Poletimber Well	20.7	42		N/A	Stand treated in 1978. Stand is a mix of good and poor regeneration. East side of stand has the least amount of regen but the regen that is there is the same as the rest of stand.																																																					
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150	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	7.1	80	51-80	N/A	Surrounded by hemlock and pine trees.																																																					
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151	4133 - Aspen, Mixed Pine	Sapling Medium	3.8	7	1-50	N/A	2020: Patchy regen overall with some pockets heavy to aspen and some areas barren & grassy. Timber sale #63-034-12-01, "Horse Apples".																																																					
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152	4199 - Other Mixed Upland Deciduous	Sapling Well	87.2	15	1-50	N/A	2010: Stand had red maple removed previously in SE portion of stand, but no records could be found of cut. Lots of red maple stump sprouts. Previous Inventory Comments: Stand treated timber sale #630350201, "Almost Slipped By". Sale completed in 2005. Stand in process of regeneration.																																					
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153	4199 - Other Mixed Upland Deciduous	Sapling Well	27.5	15	1-50	N/A	2020: Stand regenerating well with mix of aspen and red maple. Stand treated timber sale #630350201, "Almost Slipped By". Sale completed in 2005. Stand in process of regeneration.																																					
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154	4131 - Aspen, Oak	Poletimber Well	30.8	55		N/A	1/13/20: Dead ash throughout stand. Flowing water through center between lowland conifers to the east and west.																																					
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155	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	5.6	86		N/A	1/13/20: Flowing water thru stand. Ash has died.																																					
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156	3102 - Grass	Nonstocked	2.3	0		Managed Opening	1/13/20: Managed opening with pond in the middle. Mixture of red oak, red maple, and white oak surround pond. Some planted shrubs in opening.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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157	4124 - Red with White Oak	Poletimber Well	25.2	90	51-80	N/A	1/13/20: Grove of heavy white pine regen in NE corner of stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	60	Log/Pole/XLog	12	90	Red Maple	High	10 - 20 feet	Sapling
White Oak	25	Log/Pole/XLog	10		White Pine	Medium	5 - 10 feet	Sapling
White Pine	15	Pole/Sapling	6		Quaking Aspen	Low	10 - 20 feet	Sapling

2010: Stand had red maple removed previously but no records could be found of cut. Lots of red maple stump sprouts. Quality of stands lessens slightly in the north of stand.

158	500 - Water	Nonstocked	1.1			No	
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160	42110 - Planted Red Pine	Poletimber Well	7.6	55	141-170	N/A	Dieback pocket on western edge of stand. Row thinned in 1997. Timber sale #630239401.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	95	Pole/Log	9	55
Black Cherry	5	Pole	9	