

Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63035

Entry Year: 2027

Acreage: 1,826

County: Osceola

Management Area: Cadillac Moraines

Stand Examiner: James Park

Legal Description:

T17N R08W section 6
T17N R08W section 1
T18N R08W section 19
T18N R09W section 24, 25

Identified Planning Goals:

Vegetation management will provide timber products; maintain or enhance wildlife habitat; protect area of unique threatened, endangered, and special concern species; and provide for forest-based recreational uses.

Soil and topography:

Predominantly Chelsea, Rubicon and Montcalm Assoc. The terrain in the compartment is rolling.

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

This compartment has large acreages of state land broken up by areas of private land.

Unique Natural Features:

Michigan Natural Features Inventory lists the potential for the ebony boghaunter in bog habitat areas. There is also the potential for spotted turtle, Blanding's turtle, secretive locust, and the wood turtle.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

There is an intermittent drainage running southerly through T17N R09W section 1 into the Muskegon River. A standard buffer of 50 feet either side is requested.

Wildlife Habitat Considerations:

Approximately 1240 of the 1825 acres in the compartment are lands purchased with Deer Range Improvement Funds. Soils in this area are characterized by well-drained loamy sands. The surrounding landscape is primarily forested with the exception of the areas surrounding the community of Ewart to the southeast. Historically, this area was composed of mesic forest types. Presently, early serial stage northern and central hardwoods and mesic pine dominate the landscape. Regeneration of the oak component both within the aspen and northern hardwood types are a concern. Red maple and cherry generally regenerate in heavily thinned stands. Wildlife habitat objectives are to continue to manage for high structural diversity within stands and age class diversity across the compartment. Primary featured species considerations are for ruffed grouse and deer. Timber sale specifications to benefit wildlife (where applicable) will include brush pile creation along lowland edges, 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. (E. Victory 6/2015) (V. Richardson 1-2025)

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of coarse-textured till and minor glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift are the Jurassic Red Beds and the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay/shale in other parts of the State. The nearest gravel pit is just to the east and gravel potential is good. The compartment is located 1.5 miles east of Cedar Field. The field has produced over 1.2 million BO from the Devonian Detroit River Formation and over 1.4 Bcf gas from the Stray sandstone.

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:

Stand 16.

Recreational Facilities and Opportunities:

Portions of the Evert motorcycle trail are in this compartment. This motorcycle trail is designed and maintained to be narrow (24 inches at ground level, 40 inches at handlebar height) to provide a unique motorcycling experience, as well as deter larger unwanted ORV's from accessing state lands. Where practical, recommend leaving or protecting trees that provide a narrow corridor to dissuade larger vehicles from entering the motorcycle trail. Additional trail protection measures identified in DNR Policy & Procedure 32.22XX (Best Management Practices for Forest and Wildlife Management Adjacent to Recreation Trails) should be taken into consideration when setting up timber sales in this compartment. Dispersed camping, and mushroom hunting are both common activities within this compartment (T.M.N. 12/16/14)

Fire Protection:

Forest and county roads provide good access. Dispersed camping and ORV trails are a concern for wildfire ignitions. Timber types do not support crown fire activities.

Additional Compartment Information:

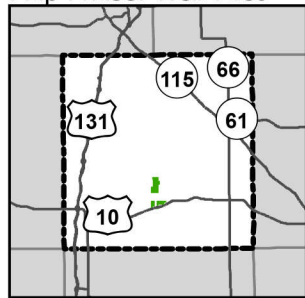
The following reports from the Inventory are attached:









































- 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**

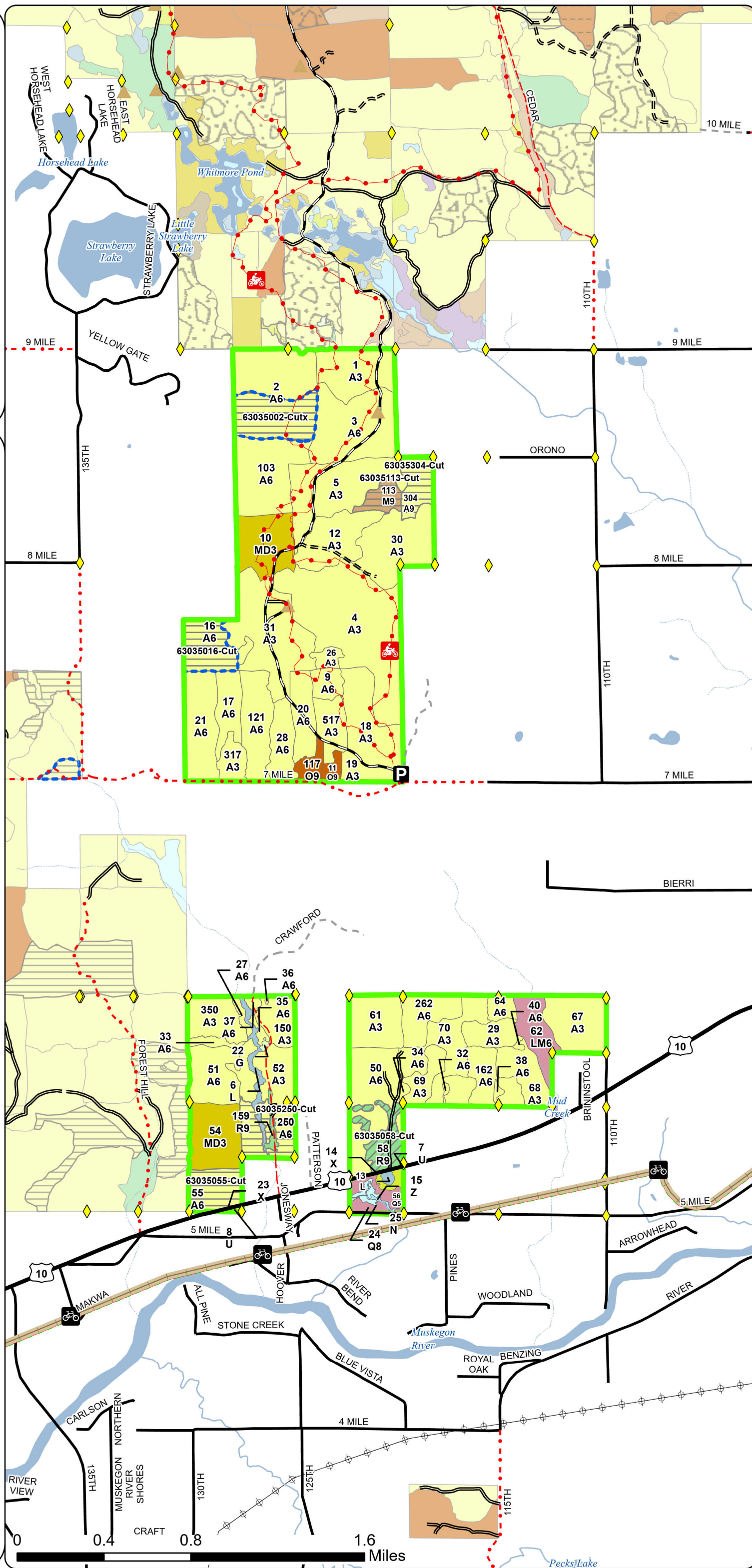
The following information is displayed, where pertinent, on the attached compartment maps:

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

Compartment: 63035
T18N, R09W, Sec. 24, 25
T17N, R08W, Sec. 06
T17N, R09W, Sec. 01
County: Osceola
Unit: Cadillac
Mgmt. Area: Cadillac Moraines
YOE: 2027
Acres: 1,825.85 GIS Calculated
Examiner: James Park
Date Exported: 7/15/2025
Map Phase: Web Post

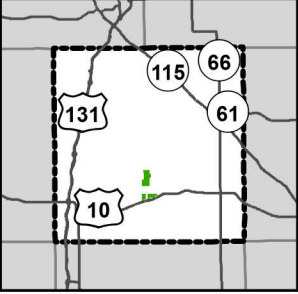


- | | |
|---|---------------------------------------|
|  | Survey Grade Corners |
|  | Berms |
|  | Parking Lot |
|  | Designated Bicycle Trails |
|  | Designated Motorcycle Trails |
|  | DNR - Primary Forest Road |
|  | DNR - Secondary Forest Road |
|  | DNR - Forest Access Route |
|  | Federal / State Highway |
|  | Federal / State / County - Paved Road |
|  | County - Gravel Road |
|  | County - Dirt Road (Seasonal) |
|  | Private - Dirt / Gravel Road |
|  | Powerline |
|  | Intermittent Stream |
|  | Perennial River |
|  | Lakes and Rivers |
|  | Counties |
|  | Compartment Boundary |
|  | Treatments with Site Conditions |
|  | Clearcut |
|  | Thinning |
|  | Clearcut |
|  | Strip/Patch Cut |
|  | Overstory Removal |
|  | Openings Mgmt. |
|  | Monitoring - Regeneration |
|  | 411 - Northern Hardwood |
|  | 412 - Oak Types |
|  | 413 - Aspen |
|  | 419 - Mixed Upland Deciduous |
|  | 421 - Planted Pines |
|  | 500 - Water |
|  | 612 - Lowland Coniferous Forest |
|  | 613 - Lowland Mixed Forest |
|  | 122 - Road/Parking Lot |
|  | 310 - Herbaceous Openland |
|  | 330 - Low Density Trees |
|  | 622 - Lowland Shrub |
|  | 623 - Emergent Wetland |

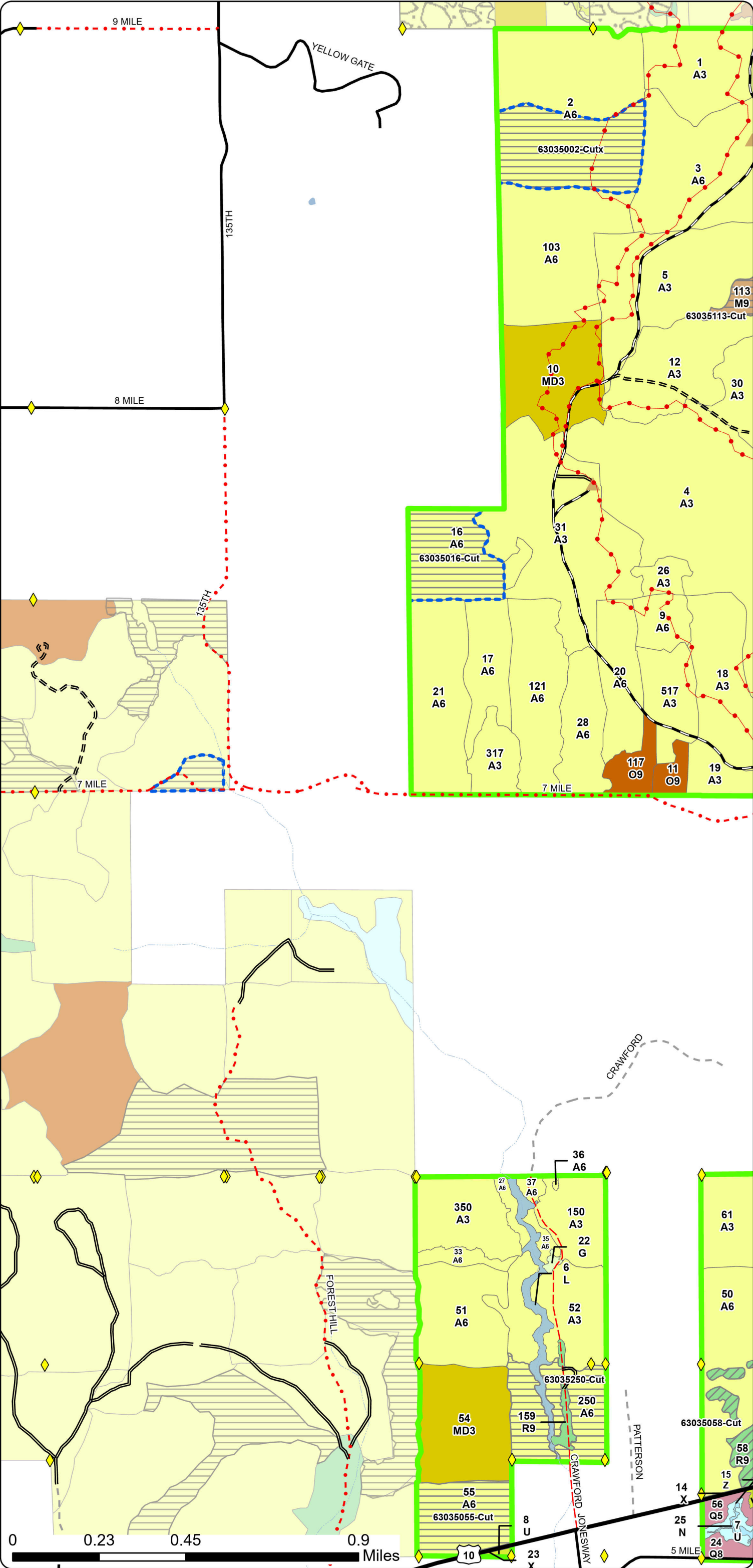


Cover Type & Treatments Map

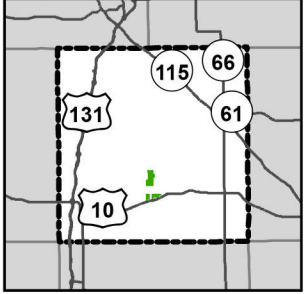
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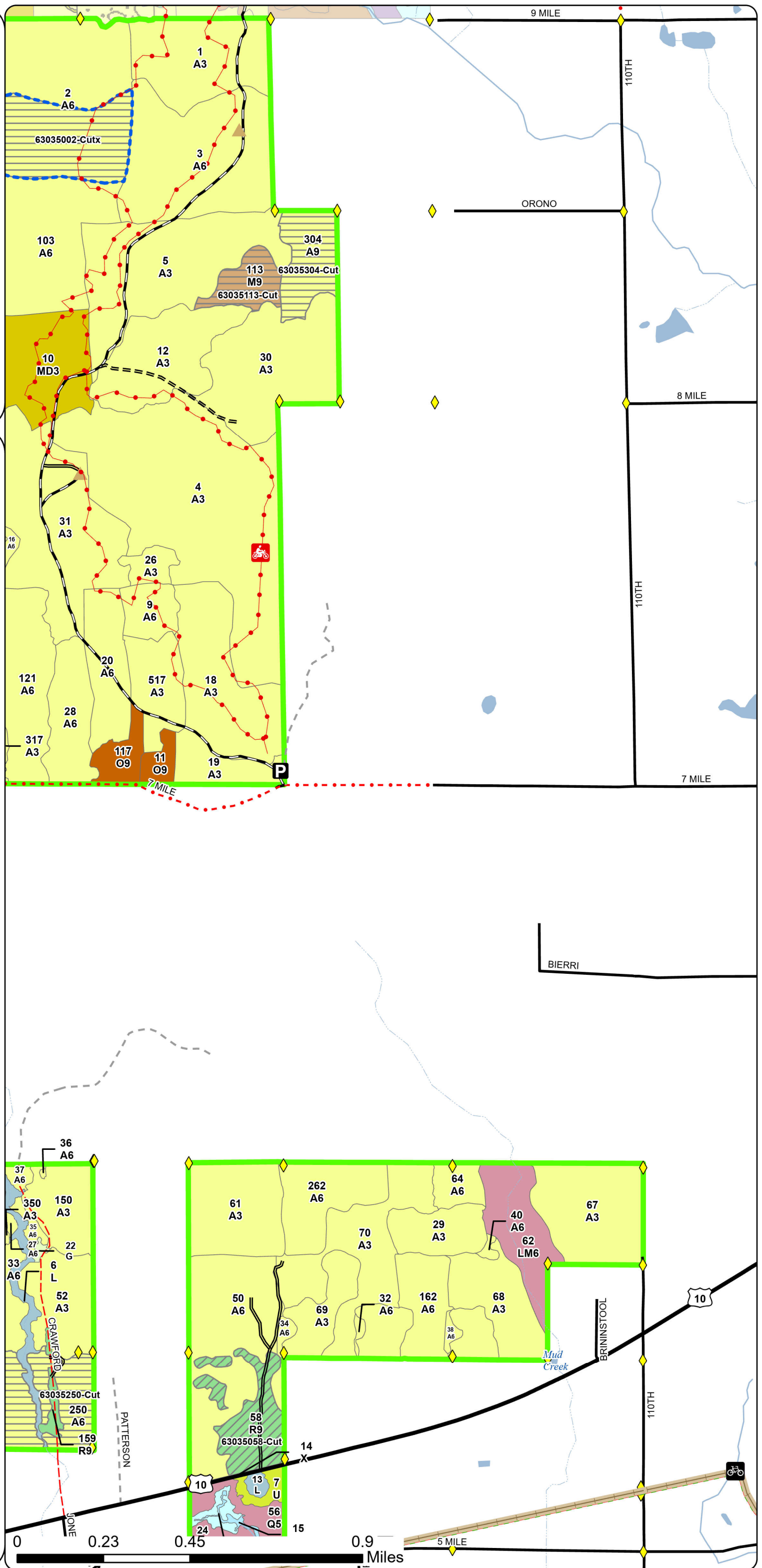
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- Lakes and Rivers
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- Treatments with Site Conditions
- Clearcut
- Thinning
- Clearcut
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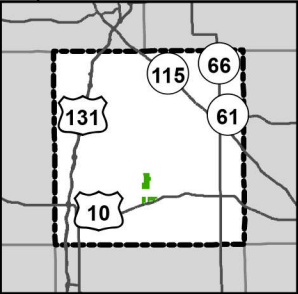


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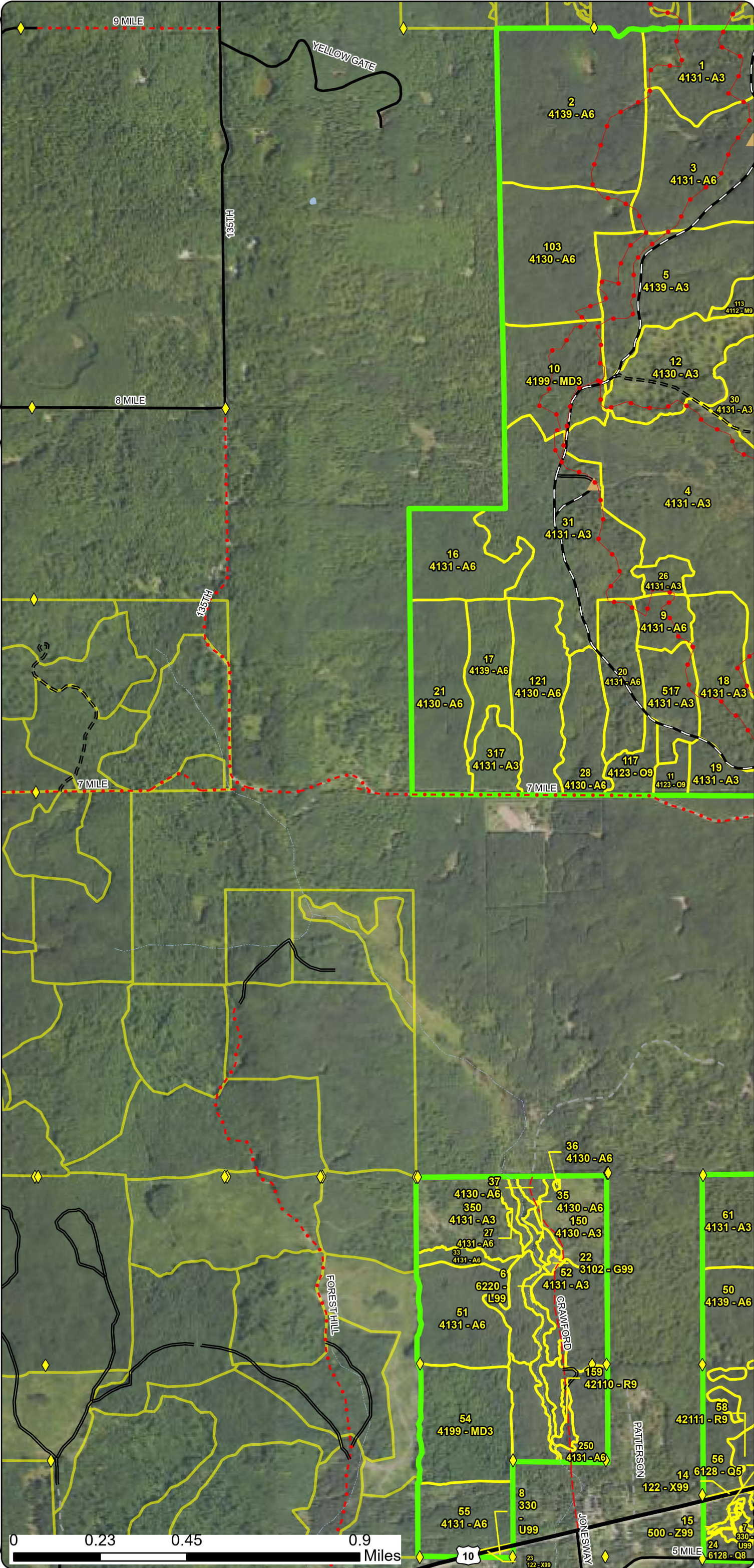


Stand Boundary Map

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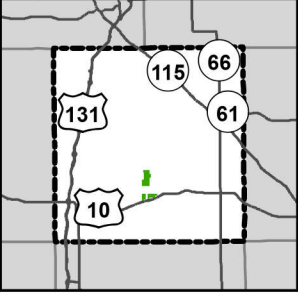


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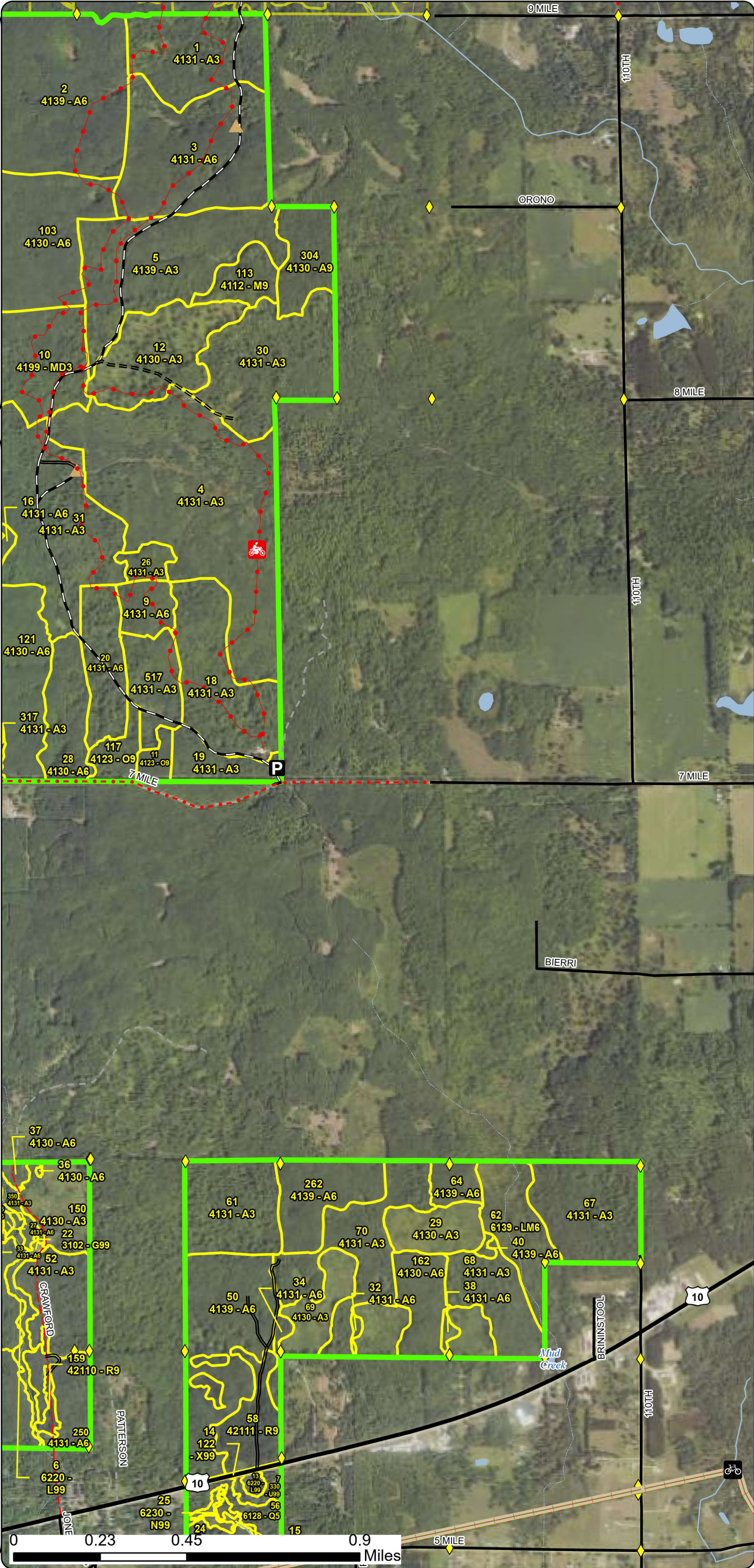


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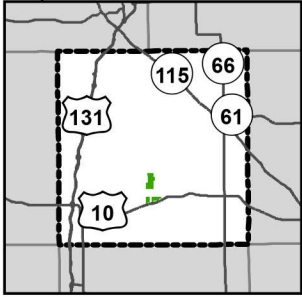
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






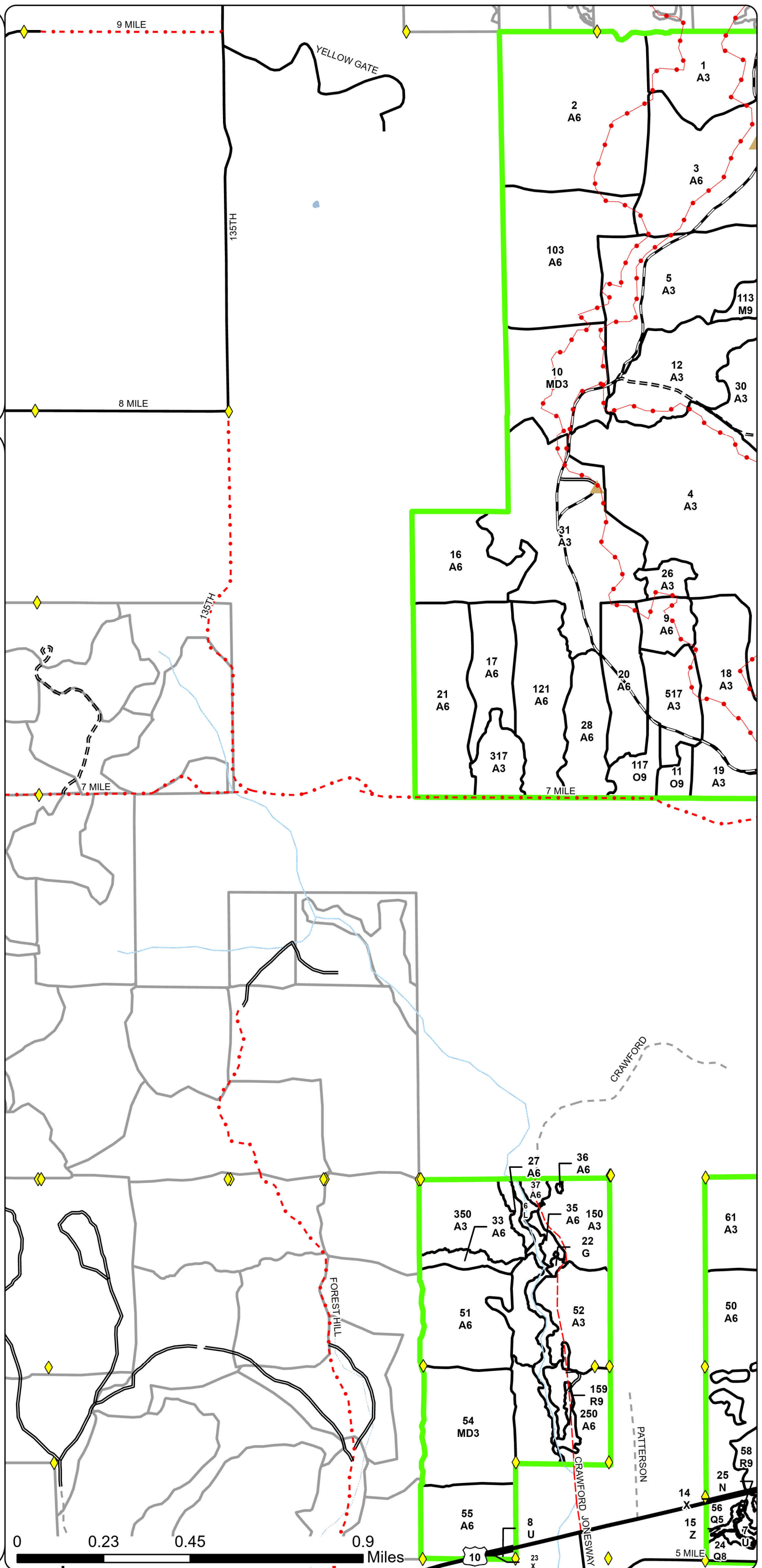
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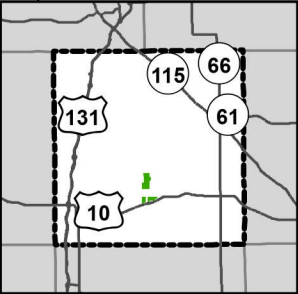


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-  Counties
-  Compartment Boundary
-  Stand Boundaries
-  Cold Water Streams

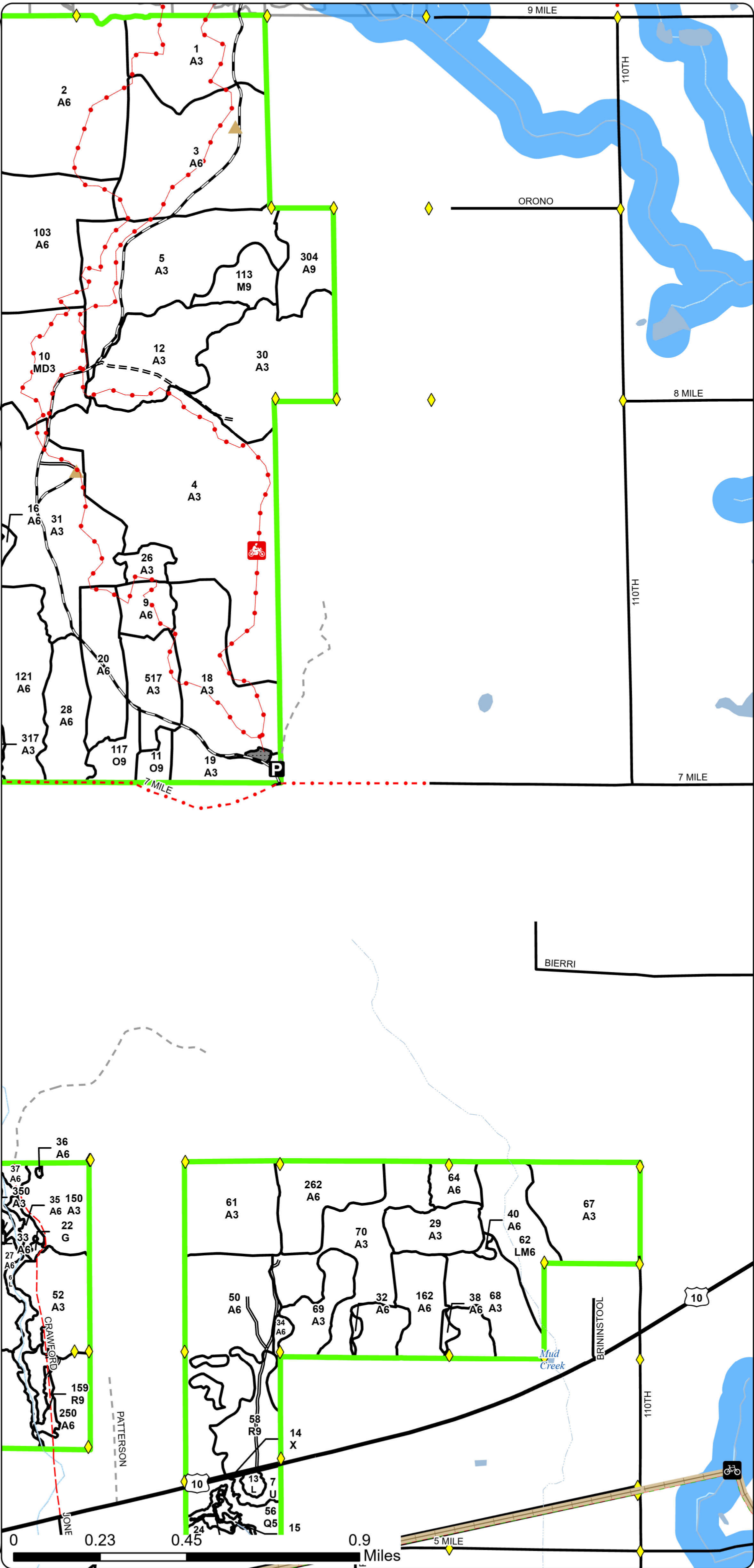


Special Conservation Areas
& Site Conditions Map

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- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Trail - Trail Corridor
- Trail Head



Report 1 – Total Acres by Cover Type and Age Class

	Age Class																		
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	152	344	411	331	186	179	0	0	0	0	0	0	0	0	0	0	0	1602
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Conifers	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Lowland Mixed Forest	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	29
Lowland Shrub	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Marsh	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	44	46	0	0	0	0	0	0	0	0	0	0	0	0	0	90
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	14
Oak	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	17
Red Pine	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	29
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	28	152	344	455	377	186	179	29	29	17	14	17	0	0	0	0	0	0	1825

Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 35
Total Compartment Acres: 1,826

Commercial Harvest - 225

Harvests with Site Condition - 162

Next Step Harvest - 0

Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Aspen	168	0	0	0	0	0	0	0	0	168
Northern Hardwood	14	0	0	0	0	0	0	0	0	14
Red Pine	0	0	0	0	0	25	0	0	0	25
Total	181	0	0	0	0	25	0	0	0	206

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	206	0	0	0	0	0	0	0	0	206
Next Step	0	0	0	0	0	0	181	0	0	181
Total	206	0	0	0	0	0	181	0	0	387

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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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Proposed Treatments:

304 63035304-Cut	22.4	4130 - Aspen	9	55	141-170	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Specs: Clearcut with island retention. Do not cut any conifers present. Use grouse drumming log spec and habitat pile spec. Use oak wilt with exceptions spec.

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

Acceptable Regen: Aspen spp., maple spp., beech, black cherry, oak spp., pine spp.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

250 63035250-Cut	34.8	4131 - Aspen, Oak	6	55	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Specs: Clearcut with retention. Use grouse spec. Use oak wilt with exceptions. Acres may be significantly lower than prescribed due to low/wet ground.

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

Acceptable Regen: Aspen spp., oak spp., maple spp., black cherry, pine spp.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

113 63035113-Cut	13.6	4112 - Maple, Beech, Cherry Association	9	90	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
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Prescription Specs: Clearcut with island retention. Do not cut any conifers if present. Use grouse drumming spec and habitat pile spec. Use oak wilt with exceptions. Identify and mark all sugar maple for retention with green paint.

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

Acceptable Regen: Aspen spp., maple spp., oak spp., beech, black cherry, pine spp.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

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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
58 63035058-Cut	25.0	42111 - Planted Red Pine, Mixed Deciduous	9	64	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Mark to thin this stand down to 90-110 BA. Focus on suppressed, low-quality stems first, then thin to achieve proper spacing and BA or to provide access when necessary. Additionally, where possible, mark to release some patches of oak regen in the understory. Use oak wilt with no exceptions. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
55 63035055-Cut	28.8	4131 - Aspen, Oak	6	50	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut with island retention. Use grouse spec. Use oak wilt with exceptions. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Aspen spp., oak spp., maple spp., pine spp., black cherry. <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
16 63035016-Cut	33.2	4131 - Aspen, Oak	6	55	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut with island retention. Use grouse drumming log spec and habitat pile spec. Use oak wilt with exceptions. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Aspen spp., maple spp., black cherry, oak spp. <u>Other Comment:</u> Work with wld to define retention areas. <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										
2 63035002-Cutx	48.4	4139 - Aspen, Mixed Deciduous	6	45	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut with island retention. Use grouse spec. Use oak wilt with exceptions. Use trail protection spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Aspen spp., maple spp., oak spp., black cherry, pine spp. <u>Other Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										

S t a n d	Cadillac Mgt. Unit		Report 3 -- Treatments						Compartment: 35		
									Year of Entry: 2027		
	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

Total Treatment
 Acreage Proposed: 206.2



Availability for Management

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

2I	5C	2G	3D	5E
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1515	1450	37	29	Aspen	37			4	25
1	1	0	0	Herbaceous Openland					
5	5	0	0	Low-Density Trees					
17	0	0	17	Lowland Conifers			17		
29	0	0	29	Lowland Mixed Forest			29		
13	13	0	0	Lowland Shrub					
4	4	0	0	Marsh					
90	90	0	0	Mixed Upland Deciduous					
14	14	0	0	Northern Hardwood					
17	0	17	0	Oak		17			
29	25	4	0	Red Pine		4			
2	3	0	0	Urban					
2	2	0	0	Water					
1,738	1,606	57	75	Total Forested Acres	37	21	46	4	25
	92%	3%	4%	Relative Percent					

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

Site No.	Dominant Site Cond	Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is the only oak dominant stand in the area. Do not treat due to large amount of young aspen surrounding the stand.								
2	Available	2I: Survey needed	37	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Cadillac Mgt. Unit
James Park: Examiner

Compartment: 35
Year of Entry: 2027



3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3D: Recreational/scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Trail Head							
5	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-Term retention for stand 350.							
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-Term retention for stand 150.							
7	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-Term retention for stand 350.							
8	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-Term retention for stand 150.							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-Term retention for stand 150.							

Report 4 – Site Conditions

Cadillac Mgt. Unit
James Park: Examiner

Compartment: 35
Year of Entry: 2027



10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

18	Available	2I: Survey needed	101	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
	Concentrated Recreational Area	Trail Head	SCA	1
Comments				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
1	4131 - Aspen, Oak	Sapling Well	46.2	26	Immature	N/A	Stand treated timber sale #63-015-97-01, "Evart Block Hdwd". Occasional hemlock, white pine, and cherry. Some low, wet areas within stand. ORV Trail runs through stand.																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>15</td><td>Log</td><td>2</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>3</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td>Log</td><td>3</td><td>26</td></tr><tr><td>Beech</td><td>10</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td></td><td>12</td><td>105</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	15	Log	2		Red Maple	20	Log	3		Paper Birch	5	Log	1		Bigtooth Aspen	40	Log	3	26	Beech	10	Log	1		Red Oak	10		12	105																								
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Red Oak	10		12	105																																																														
2	4139 - Aspen, Mixed Deciduous	Poletimber Well	100.6	45	81-110	N/A	Stand treated timber sale #26-77A. Cut in 1980. ORV Trail runs through stand.																																																											
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3	4131 - Aspen, Oak	Poletimber Well	76.4	37	81-110	N/A	Stand treated timber sale #63-63-045-86-01, "Cedar 24". Cut in 1990. ORV Trail runs through stand.																																																											
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4	4131 - Aspen, Oak	Sapling Well	150.1	15	Immature	N/A	Stand is a combination of two timber sales, #63-025-08-01 Osceola Salvage and #63-028-08-01 Big Salvage. These large sales were the result of storm damage from up to 60 mph winds that occurred in early June of 2008. ORV Trail runs through the stand.2025: Split stand via imagery. Stand will require updating as it matures.																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>3</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>2</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>50</td><td>Log</td><td>2</td><td>15</td></tr><tr><td>Red Pine</td><td>2</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>White Oak</td><td>3</td><td></td><td>10</td><td></td></tr><tr><td>White Oak</td><td>2</td><td>Log</td><td>1</td><td></td></tr><tr><td>Beech</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>12</td><td>105</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	3	Log	1		Red Maple	20	Log	2		Bigtooth Aspen	50	Log	2	15	Red Pine	2	Seedling	8		White Oak	3		10		White Oak	2	Log	1		Beech	5	Log	1		Red Oak	10	Log	1		Red Oak	5		12	105	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	High	5 - 10 feet	5 - 10 feet
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6	6220 - Alder/Willow	Unspecifed	11.0			No	Tag alder, willow, perennial stream.																																															
7	330 - Low-Density Trees	Unspecifed	4.5			No																																																
8	330 - Low-Density Trees	Sapling Well	0.8			No	Small piece off US10, not much vegetation																																															
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9	4131 - Aspen, Oak	Poletimber Well	12.3	53	51-80	N/A	ORV Trails runs through stand. Pole stand, not ready for harvest.																																															
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10	4199 - Other Mixed Upland Deciduous	Sapling Well	44.4	26	Immature	N/A	Stand treated timber sale #63-015-97-01, "Evart Block Hdwd". ORV Trail runs through stand.																																															
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11	4123 - Red Oak	Poletimber Well	6.2	100	1-50	N/A	Stand was harvested down to a seed tree sometime in the past. Filling in with red maple and some aspen.																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>75</td><td></td><td>14</td><td>100</td></tr><tr><td>White Oak</td><td>15</td><td></td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>10</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Red Oak	75		14	100	White Oak	15		12		Red Maple	10		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Bigtooth Aspen</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	High	5 - 10 feet	5 - 10 feet	Black Cherry	Low	5 - 10 feet	5 - 10 feet	Beech	Medium	5 - 10 feet	5 - 10 feet	Red Oak	Low	10 - 20 feet	10 - 20 feet	Red Maple	Medium	>20 feet	>20 feet	Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet						
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Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet																																																									
12	4130 - Aspen	Unspecified	43.5	7	Immature	N/A	Occasional sassafras. Beech bark disease was found on a couple of trees to the very northeast part of the stand, adjacent to stand 113.																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>15</td><td>Log</td><td>2</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>80</td><td>Log</td><td>2</td><td>7</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Red Oak	5	Log	1		Red Maple	15	Log	2		Bigtooth Aspen	80	Log	2	7																																					
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Bigtooth Aspen	80	Log	2	7																																																								
13	6220 - Alder/Willow	Unspecified	2.0			No	Tag alder, willow.																																																					
14	122 - Road/Parking Lot	Unspecified	1.5			No	US-10																																																					
15	500 - Water	Unspecified	1.8			No																																																						
16	4131 - Aspen, Oak	Poletimber Well	36.5	55	81-110	N/A																																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>3</td><td></td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td></td><td>8</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>49</td><td></td><td>10</td><td>55</td></tr><tr><td>Beech</td><td>3</td><td></td><td>8</td><td></td></tr><tr><td>Red Oak</td><td>20</td><td>Sapling</td><td>6</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Black Cherry	3		8		Red Maple	25		8		Bigtooth Aspen	49		10	55	Beech	3		8		Red Oak	20	Sapling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	High	5 - 10 feet	5 - 10 feet	Red Maple	Medium	5 - 10 feet	5 - 10 feet	Black Cherry	Low	5 - 10 feet	5 - 10 feet	Beech	Low	5 - 10 feet	5 - 10 feet	Red Oak	Low	5 - 10 feet	5 - 10 feet
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17	4139 - Aspen, Mixed Deciduous	Poletimber Well	24.0	50	51-80	N/A	Stand treated timber sale "Old Grand Block" in 1977.																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>15</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>55</td><td>Seedling</td><td>8</td><td>50</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Red Oak	15	Sapling	6		Black Cherry	5	Sapling	5		Red Maple	25	Seedling	8		Bigtooth Aspen	55	Seedling	8	50	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	5 - 10 feet	5 - 10 feet	Red Oak	Low	5 - 10 feet	5 - 10 feet	Witch Hazel	High	5 - 10 feet	5 - 10 feet	Red Maple	Medium	5 - 10 feet	5 - 10 feet									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
18	4131 - Aspen, Oak	Sapling Well	52.3	27	Immature	N/A	Stand treated timber sale #63-001-98-01, "Cedar Township Hdwd". ORV Trail runs through stand.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>15</td><td>Pole</td><td>3</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>45</td><td>Pole</td><td>3</td><td>27</td></tr><tr><td>White Oak</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>White Oak</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Red Oak</td><td>20</td><td>Log</td><td>2</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td></td><td>14</td><td>95</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Pole	3		Bigtooth Aspen	45	Pole	3	27	White Oak	5		12		White Oak	5	Log	2		Red Oak	20	Log	2		Red Oak	10		14	95	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	High	5 - 10 feet	5 - 10 feet		
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19	4131 - Aspen, Oak	Sapling Well	16.1	27	Immature	N/A	Stand treated timber sale #63-001-98-01, "Cedar Township Hdwd". ORV Trail runs through stand.																																											
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20	4131 - Aspen, Oak	Sapling Well	26.6	27	Immature	N/A	Stand treated timber sale #63-001-98-01, "Cedar Township Hdwd".																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Beech</td><td>10</td><td>Log</td><td>3</td><td></td></tr><tr><td>Red Oak</td><td>15</td><td>Log</td><td>3</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td></td><td>14</td><td>95</td></tr><tr><td>White Oak</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td>Sapling</td><td>5</td><td>27</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Beech	10	Log	3		Red Oak	15	Log	3		Red Oak	10		14	95	White Oak	5	Log	2		Red Maple	20	Sapling	5		Bigtooth Aspen	40	Sapling	5	27													
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Bigtooth Aspen	40	Sapling	5	27																																														
21	4130 - Aspen	Poletimber Well	48.4	36	51-80	N/A	Stand treated timber sale #63-042-86-01, "2 Long 40".																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>5</td><td>Log</td><td>4</td><td></td></tr><tr><td>Red Oak</td><td>15</td><td>Log</td><td>4</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>60</td><td>Sapling</td><td>6</td><td>36</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	5	Log	4		Red Oak	15	Log	4		Red Maple	20	Sapling	5		Bigtooth Aspen	60	Sapling	6	36	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Autumn Olive</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Autumn Olive	Low	5 - 10 feet	5 - 10 feet	Witch Hazel	High	5 - 10 feet	5 - 10 feet								
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Autumn Olive	Low	5 - 10 feet	5 - 10 feet																																															
Witch Hazel	High	5 - 10 feet	5 - 10 feet																																															
22	3102 - Grass	Unspecifed	0.9			No																																												
23	122 - Road/Parking Lot	Unspecifed	1.0			No	US-10																																											

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
24	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	6.2	80	111-140	N/A																																			
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>45</td><td></td><td>10</td><td>80</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>15</td><td></td><td>16</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td></td><td>8</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td></td><td>8</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	45		10	80	Black/Red (Hybrid) Oak	5	Seedling	7		White Pine	15		16		Black Cherry	5		10		Red Maple	25		8		Paper Birch	5		8					
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25	6230 - Cattail	Unspecified	3.9			No																																			
26	4131 - Aspen, Oak	Sapling Well	6.9	15	Immature	N/A	ORV Trail runs through stand.																																		
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27	4131 - Aspen, Oak	Poletimber Well	3.6	55	51-80	N/A																																			
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29	4130 - Aspen	Unspecified	18.7	7	Unspecified	N/A																																			
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Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments		
30	4131 - Aspen, Oak	Sapling Well			60.4	15	Immature	N/A	Stand is a combination of two timber sales, #63-025-08-01 Osceola Salvage and #63-028-08-01 Big Salvage. These large sales were the result of storm damage from up to 60 mph winds that occurred in early June of 2008. ORV Trail runs through the stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density		Avg. Height	Size
Black Cherry		3	Log	1		Witch Hazel		High		5 - 10 feet	5 - 10 feet
Red Pine		2	Seedling	8							
Red Maple		20	Log	2							
Bigtooth Aspen		50	Log	2	15						
White Oak		2	Log	1							
White Oak		3		10							
Beech		5	Log	1							
Red Oak		10	Log	1							
Red Oak		5		12	105						
Sub-Canopy Species		Density	Avg. Height	Size							
Witch Hazel		High	5 - 10 feet	5 - 10 feet							
31	4131 - Aspen, Oak	Sapling Well			89.5	15	Immature	N/A	Stand is a combination of two timber sales, #63-025-08-01 Osceola Salvage and #63-028-08-01 Big Salvage. These large sales were the result of storm damage from up to 60 mph winds that occurred in early June of 2008. ORV Trail runs through the stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density		Avg. Height	Size
Red Pine		2	Seedling	8		Witch Hazel		High		5 - 10 feet	5 - 10 feet
Black Cherry		3	Log	1							
White Oak		3		10							
White Oak		2	Log	1							
Beech		5	Log	1							
Red Oak		5		12	105						
Red Oak		10	Log	1							
Red Maple		20	Log	2							
Bigtooth Aspen		50	Log	3	15						
Sub-Canopy Species		Density	Avg. Height	Size							
Witch Hazel		High	5 - 10 feet	5 - 10 feet							
32	4131 - Aspen, Oak	Poletimber Well			1.1	55	81-110	N/A	Long term retention for stand 11 and timber sale "63-034-17-01", Aspen & Change		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density		Avg. Height	Size
White Oak		5	Sapling	5		Red Maple		Medium		5 - 10 feet	5 - 10 feet
Red Oak		15	Sapling	5		Witch Hazel		High		5 - 10 feet	5 - 10 feet
Red Maple		30		8		Beech		Low		5 - 10 feet	5 - 10 feet
Bigtooth Aspen		50		8	55	Black Cherry		Medium		5 - 10 feet	5 - 10 feet
Sub-Canopy Species		Density	Avg. Height	Size							
Red Maple		Medium	5 - 10 feet	5 - 10 feet							
Witch Hazel		High	5 - 10 feet	5 - 10 feet							
Beech		Low	5 - 10 feet	5 - 10 feet							
Black Cherry		Medium	5 - 10 feet	5 - 10 feet							
Sub-Canopy Species		Density	Avg. Height	Size							
Red Maple		Medium	5 - 10 feet	5 - 10 feet							
33	4131 - Aspen, Oak	Poletimber Well			5.9	55	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density		Avg. Height	Size
Red Oak		20	Sapling	6		Witch Hazel		High		5 - 10 feet	5 - 10 feet
Red Maple		25	Sapling	7		Hawthorn (spp.)		Medium		5 - 10 feet	5 - 10 feet
Bigtooth Aspen		55	Sapling	7	55						
Sub-Canopy Species		Density	Avg. Height	Size							
Witch Hazel		High	5 - 10 feet	5 - 10 feet							
Hawthorn (spp.)		Medium	5 - 10 feet	5 - 10 feet							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
34	4131 - Aspen, Oak	Poletimber Well	2.0	55	81-110	N/A	Long term retention for stand 69 and timber sale "63-034-17-01", Aspen & Change			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		30		8		Red Maple		Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		50		8	55	Witch Hazel		High	5 - 10 feet	5 - 10 feet
Red Oak		15	Sapling	5		Beech		Low	5 - 10 feet	5 - 10 feet
White Oak		5	Sapling	5		Black Cherry		Medium	5 - 10 feet	5 - 10 feet
35	4130 - Aspen	Poletimber Well	2.9	55	81-110	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		25		8		Black Cherry		Medium	5 - 10 feet	5 - 10 feet
Red Oak		10	Sapling	6		Hawthorn (spp.)		Medium	5 - 10 feet	5 - 10 feet
Red Maple		15	Sapling	7		Autumn Olive		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		45		8	55	Witch Hazel		Medium	5 - 10 feet	5 - 10 feet
Black Cherry		5	Pole	3						
36	4130 - Aspen	Poletimber Well	0.2	55	81-110	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		25		8		Black Cherry		Medium	5 - 10 feet	5 - 10 feet
Red Oak		10	Sapling	6		Hawthorn (spp.)		Medium	5 - 10 feet	5 - 10 feet
Red Maple		15	Sapling	7		Autumn Olive		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		45		8	55	Witch Hazel		Medium	5 - 10 feet	5 - 10 feet
Black Cherry		5	Pole	3						
37	4130 - Aspen	Poletimber Well	2.6	55	81-110	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		25		8		Black Cherry		Medium	5 - 10 feet	5 - 10 feet
Black Cherry		5	Pole	3		Hawthorn (spp.)		Medium	5 - 10 feet	5 - 10 feet
Red Oak		10	Sapling	6		Autumn Olive		Low	5 - 10 feet	5 - 10 feet
Red Maple		15	Sapling	7		Witch Hazel		Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		45		8	55					
38	4131 - Aspen, Oak	Poletimber Well	1.6	55	81-110	N/A	Long term retention for stand 30 and timber sale "63-034-17-01", Aspen & Change			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Oak		5	Sapling	5		Red Maple		Medium	5 - 10 feet	5 - 10 feet
Red Oak		15	Sapling	5		Witch Hazel		High	5 - 10 feet	5 - 10 feet
Red Maple		30		8		Beech		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		50		8	55	Black Cherry		Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
40	4139 - Aspen, Mixed Deciduous	Poletimber Well			1.2	45	81-110	N/A	Long term retention for stand 29 and timber sale "63-034-17-01", Aspen & Change																																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Ash</td><td>10</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td></td><td>8</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>55</td><td></td><td>8</td><td>45</td></tr><tr><td>Red Oak</td><td>10</td><td>Sapling</td><td>5</td><td></td></tr></table>					Canopy Species	% Cover	Size Class	DBH		Age	White Ash	10	Pole	4		Red Maple	25		8		Bigtooth Aspen	55		8	45	Red Oak	10	Sapling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	5 - 10 feet	Witch Hazel	High	5 - 10 feet	5 - 10 feet	Black Cherry	Low	5 - 10 feet	5 - 10 feet	Red Oak	Low	5 - 10 feet	5 - 10 feet	White Oak	Low	5 - 10 feet	5 - 10 feet
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50	4139 - Aspen, Mixed Deciduous	Poletimber Well			62.8	36	81-110	N/A	Stand treated timber sale #63-046-86-01, "US-10".																																																	
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51	4131 - Aspen, Oak	Poletimber Well			38.2	37	51-80	N/A	Stand treated timber sale #63-025-87-01, "Evart-West".																																																	
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52	4131 - Aspen, Oak	Sapling Well			39.1	24	Immature	N/A	Stand treated timber sale #63-020-97-01, "Mudpuppy Trout Hardwoods".																																																	
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54	4199 - Other Mixed Upland Deciduous	Sapling Well			45.8	31	1-50	N/A	Stand treated timber sale #63-020-97-01, "Mudpuppy Trout Hardwoods".																																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>30</td><td>Log</td><td>4</td><td>31</td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Log</td><td>4</td><td></td></tr><tr><td>White Oak</td><td>5</td><td>Log</td><td>3</td><td></td></tr><tr><td>White Oak</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Red Oak</td><td>15</td><td></td><td>14</td><td>95</td></tr><tr><td>Red Oak</td><td>30</td><td>Log</td><td>4</td><td>31</td></tr></table>					Canopy Species	% Cover	Size Class	DBH		Age	Red Maple	30	Log	4	31	Bigtooth Aspen	15	Log	4		White Oak	5	Log	3		White Oak	5		12		Red Oak	15		14	95	Red Oak	30	Log	4	31	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Witch Hazel</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Hawthorn (spp.)</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	High	5 - 10 feet	5 - 10 feet	Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
55	4131 - Aspen, Oak	Poletimber Well	28.8	50	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak		5	Sapling	5		Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet
Red Oak		15	Sapling	6		Autumn Olive	Low	5 - 10 feet	5 - 10 feet
Red Maple		25	Seedling	8		Witch Hazel	High	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		55		8	50	Red Maple	Medium	5 - 10 feet	5 - 10 feet
56	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	10.8	80	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		45		10	80	Black Cherry	Medium	5 - 10 feet	5 - 10 feet
Red Maple		25		8		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Paper Birch		5		8		Musclewood/Hornbeam	High	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak		5		7					
White Pine		15		16					
Black Cherry		5		10					
58	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	25.0	64	141-170	N/A	Stand treated timber sale #63-006-07-01, "Elevens Red Pine". Stand planted per FTP# 25 and 27 in 1961.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak		5		12		Red Maple	Medium	5 - 10 feet	5 - 10 feet
Red Pine		75		11	64	Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Red Oak		5		10		White Oak	Low	5 - 10 feet	5 - 10 feet
Black Cherry		10		10		Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Red Maple		5		8		Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet
61	4131 - Aspen, Oak	Sapling Well	38.1	28	Immature	N/A	Stand treated timber sale #63-019-97-01, "Off 10 Aspen".		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		5	Log	2		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Oak		5		15	100	Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet
Red Oak		13	Log	2					
Red Maple		15	Log	3					
Bigtooth Aspen		50	Pole	4	28				
White Oak		2		14					
White Oak		10	Log	2					
62	6139 - Mixed Lowland Forest	Poletimber Well	28.9	70	51-80	N/A	Small areas west of drainage were habitat cut in 2007.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10		10		Beech	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		45		9	70	White Pine	Low	5 - 10 feet	5 - 10 feet
White Pine		15		18		Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		10		8		Red Maple	Medium	5 - 10 feet	5 - 10 feet
Hemlock		20		10		Tag Alder	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
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67	4131 - Aspen, Oak	Sapling Well	44.2	28	Immature	N/A	Stand treated timber sale #63-019-97-01, "Off 10 Aspen".																																																
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68	4131 - Aspen, Oak	Sapling Well	28.4	27	Immature	N/A	Stand treated timber sale #63-019-97-01, "Off 10 aspen".																																																
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69	4130 - Aspen	Unspecified	37.3	7	Unspecified	N/A																																																	
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70	4131 - Aspen, Oak	Sapling Well	47.3	27	1-50	N/A	Stand treated timber sale #63-019-97-01, "Off 10 Aspen".																																																
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103	4130 - Aspen	Poletimber Well	63.8	35	51-80	N/A	ORV Trail runs through stand.																																																										
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113	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.6	90	81-110	N/A																																																											
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117	4123 - Red Oak	Poletimber Well	10.6	100	51-80	N/A																																																											
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121	4130 - Aspen	Sapling Well	41.3	36	51-80	N/A	Stand treated timber sale #63-042-86-01, "2 Long 40".																																																										
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150	4130 - Aspen	Sapling Poor	22.7	5	Immature	N/A																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
159	42110 - Planted Red Pine	Sawtimber Well	3.8	63	111-140	N/A	Stand planted per FTP #25 in 1961.Limited conifer component in the compartment. Hold for diversity.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		5		12		Red Maple		Medium	< 5 feet	< 5 feet
Black Cherry		5		10		Autumn Olive		Low	5 - 10 feet	5 - 10 feet
Red Pine		90		12	63	Beech		Low	5 - 10 feet	5 - 10 feet
						Red Oak		Medium	< 5 feet	< 5 feet
162	4130 - Aspen	Poletimber Well	20.7	45	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		10	Sapling	6		Red Maple		Medium	5 - 10 feet	5 - 10 feet
Red Maple		25	Seedling	8		Witch Hazel		High	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		65	Seedling	8	45	Black Cherry		Low	5 - 10 feet	5 - 10 feet
250	4131 - Aspen, Oak	Poletimber Well	34.8	55	81-110	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		15	Sapling	5		Musclewood/Hornbeam		Low	5 - 10 feet	5 - 10 feet
Red Maple		15	Seedling	8		Witch Hazel		High	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		55		9	55	Hawthorn (spp.)		Medium	5 - 10 feet	5 - 10 feet
White Oak		5	Sapling	5		Gray Dogwood		Medium	5 - 10 feet	5 - 10 feet
White Pine		5		20						
Black Cherry		5	Sapling	5						
262	4139 - Aspen, Mixed Deciduous	Poletimber Well	29.3	45	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		15	Sapling	5		Black Cherry		Low	5 - 10 feet	5 - 10 feet
Red Maple		30		8		Red Maple		High	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		55		8	45	Witch Hazel		High	5 - 10 feet	5 - 10 feet
						Beech		Low	5 - 10 feet	5 - 10 feet
						Red Oak		Low	5 - 10 feet	5 - 10 feet
304	4130 - Aspen	Sawtimber Well	22.4	55	141-170	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Cherry		2		10		Red Maple		Medium	5 - 10 feet	5 - 10 feet
White Oak		5		9		Witch Hazel		Medium	5 - 10 feet	5 - 10 feet
Beech		5		10		White Oak		Low	5 - 10 feet	5 - 10 feet
Red Oak		5		12		Red Oak		Low	5 - 10 feet	5 - 10 feet
Red Maple		8		10		Black Cherry		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		75		12	55					

Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site	General Comments	
317	4131 - Aspen, Oak		Sapling Well		14.6	16	Immature	N/A	Stand treated timber sale #63-025-08-01, "Osceola Salvage".	
	Canopy Species	% Cover	Size Class	DBH	Age					
	Black Cherry	3	Log	2						
	Red Pine	2	Seedling	6						
	White Oak	2	Log	2						
	White Oak	3		12						
	Beech	5	Log	2						
	Red Oak	5		14	95					
	Red Oak	15	Log	2						
	Red Maple	25	Log	2						
	Bigtooth Aspen	40	Log	2	16					
350	4131 - Aspen, Oak		Sapling Poor		30.1	6	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
	Red Oak	20	Sapling	6		Witch Hazel	High	5 - 10 feet		5 - 10 feet
	Red Maple	25	Log	1		Hawthorn (spp.)	Medium	5 - 10 feet		5 - 10 feet
	Bigtooth Aspen	55	Log	1	6					
517	4131 - Aspen, Oak		Sapling Well		22.2	16	Immature	N/A	Stand treated timber sale #63-025-08-01, "Osceola Salvage".	
	Canopy Species	% Cover	Size Class	DBH	Age					
	Black Cherry	3	Log	2						
	Beech	5	Log	2						
	Red Oak	15	Log	2						
	Red Oak	7		14	95					
	White Oak	3		11						
	White Oak	2	Log	2						
	Red Maple	20	Log	3						
	Bigtooth Aspen	45	Log	3	16					