



# Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63020

Entry Year 2024

Acreage: 4,988

County Lake

Management Area: Lake County Outwash

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**Stand Examiner:** Ryan Adamczyk

**Legal Description:**

T18N R12W, Sec. 3-5, 8-10, 15-17

**Identified Planning Goals:**

Mixed use.

**Soil and topography:**

Croswell sand, Tawas-Roscommon association, Rubicon sand, Grayling, Augras-Finch sands, Montcalm-Grayling complex. The swamp portion of this compartment is mostly flat with scattered finger ridges of higher ground. There are some hilly areas on the swamp edges.

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

This compartment is predominately state-owned land. The state land is generally in large blocks. The private ownership is mostly hunting type land which is undeveloped. The following parcels are recommended for acquisition if they become available for sale: Any private parcels that becomes available on the swamp edges that will give us better access to the interior of the swamp. Any parcel that has the Baldwin River or Cole Creek running through it.

**Unique Natural Features:**

E. Massasauga recorded in section 5 and just south of section 17. Eastern box turtle to the south of section 16. Potential for the E. Massasauga, wood turtle, spotted turtle, eastern box turtle and blanding's turtle along the Baldwin River and the North Branch Cole Creek. Potential for red-shouldered hawk and goshawk. Potential for ram's head, limestone oak fern and calypso in mixed swamp conifers and northern white cedar types.

**Archeological, Historical, and Cultural Features:**

Parts of this area are old hay fields from the early 1900's. At one time there were numerous shingle and saw mills surrounding the swamp. There is no evidence of these mills today. On occasion the sites of old trapper's cabins can still be found on the swamp edge. There are three archaeological sites recorded in Section 5. In Section 15 there are 10 sites. All of these sites appear pre-historic.

**Special Management Designations or Considerations:**

This area is isolated and rather inaccessible. Visual management is not much of a constraint except along King's Highway and Wide Waters Road. The streams and their headwaters will be protected and their integrity maintained. There are no plans to improve the access to the interior of the Baldwin-Luther swamp. The Big Springs area was acquired from the Topping Family in 1992.

**Watershed and Fisheries Considerations:**

The Baldwin River and Cole Creek flow through Compartment 20. Cole Creek is a tributary of the Baldwin River, and the Baldwin River is a tributary to the Pere Marquette River. Both are very high quality trout streams, with populations of resident brook trout and brown trout, as well as migratory populations of steelhead, Chinook salmon, and coho salmon. As the Pere Marquette River is a State-Designated Natural River, there is a 50' natural vegetation cutting setback on both the Baldwin River and Cole Creek. Also Fisheries Division recommends managing for species other than young aspen along small trout streams like the Baldwin River and Cole Creek, in order to discourage beaver activity. Beavers have the potential to seriously degrade small trout streams like those in Compartment 20.

**Wildlife Habitat Considerations:**

The Baldwin-Luther Swamp is a large component of this compartment. It is a proposed management area for eastern massasauga rattlesnake under the Draft Candidate Conservation Agreement with Assurances between MDNR and the U.S. Fish and Wildlife Service, which provides guidelines for management. In addition, it is a core area for bear populations in this southern part of the Baldwin Bear Management Unit, and an important deeryard area. Heavy concentrations of deer during the winter and spring cause serious regeneration problems for oak and aspen management on the uplands surrounding the swamp. Regeneration of swamp conifers is a concern as high water tables, wind throw, and past beaver flooding have resulted in a conversion to ash and cattails. White pine is rapidly coming into the understory of many of the oak stands on the perimeter of the swamp. The capability to regenerate oak is a major management concern in this

compartment not only because of the loss of acorn production around the swamp complex but by the replacement of the timber type by white pine. Featured species guidance will be considered for American woodcock, beaver, black bear, eastern massasauga rattlesnake, mallard, pileated woodpecker, red-headed woodpecker, ruffed grouse, snowshoe hare, turkey, white-tailed deer, and wood duck.

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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Pennsylvanian Saginaw Formation and the Mississippian Bayport Limestone. The Saginaw is quarried for clay/shale products and the Bayport for limestone in other areas of the State. The County gravel pit is located in Section 10. Another gravel pit is also located 1.5 miles south of the compartment and potential is considered good especially the upland areas. The Compartment to the east is partially leased. A Devonian well is/was drilled just south of the compartment. The results are unknown.

### **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:**

T18N R12W Section 10, E1/2SE

### **Recreational Facilities and Opportunities:**

Recreational Facility Considerations: The Tin Cup Springs ORV route, motorcycle trail, motorsport trailhead, and undesignated equestrian trail are in the Northeast corner of this compartment. The motorcycle trail is under Directors Order prohibiting vehicular use by ORV's larger than a motorcycle. Management considerations along this cycle trail should include tools that will keep the trail tread narrow. Both the Tin Cup Route and cycle trail are heavily used motorsport areas. The undesignated, but field marked equestrian trail is used primarily by local horse enthusiasts via an event permit. This local group voluntarily maintains the trail. The department is developing a statewide trails plan, including an equine trails subcommittee which will review existing and potential opportunities to expand equestrian trails on a statewide basis. If the trails plan suggests a need for developed equine trail in this compartment, the process would include discussions/approvals from all Divisions prior to implementation. A designated equine trailhead would be needed to segregate ORV staging from horse staging. Timber management activities should include trail protection specifications for both the motorsport and horse trails, while also serving as an example of how sound timber harvesting methods can co-exist, and often improve recreation and wildlife experiences for future generations.

### **Fire Protection:**

Historically fire has not been much of an issue as limited access to forest users keeps fires down. Suppression access for wildfire is a concern, however, as most of the area west of Kings Highway is very wet and composed of marsh grass fuels. The marsh area is divided by the Baldwin River, making this area difficult to access with fire suppression trucks. During a dry period we could see muck fire potential. Most suppression may be by hose lays and handwork.

### **Additional Compartment Information:**

#### **The following reports from the Inventory are attached:**

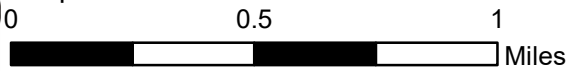
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

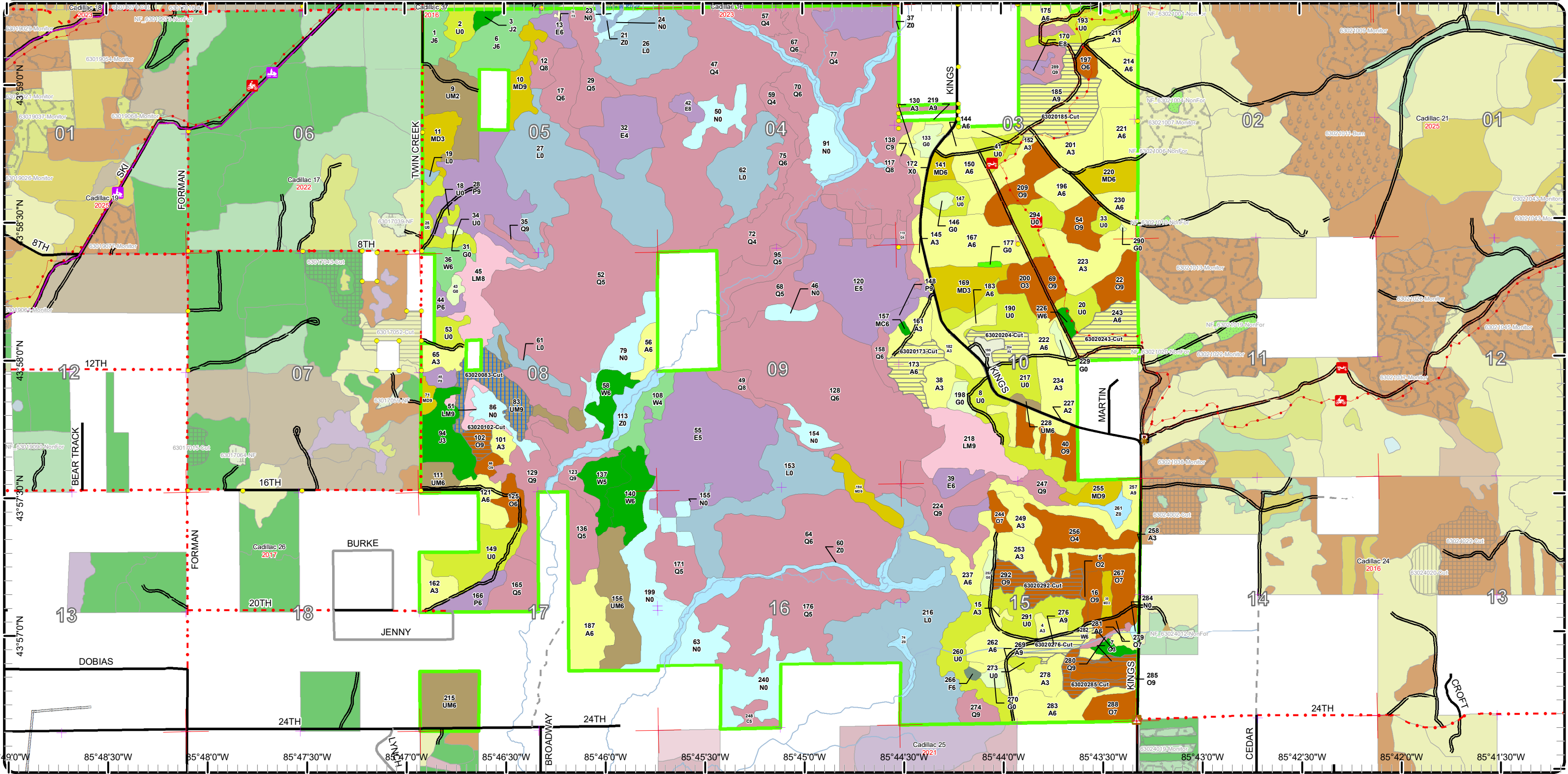
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 20  
 T19N R13W Sec. 25,26,35,36  
 County: Lake  
 Unit: Cadillac  
 Mgmt Area: Lake County  
 Outwash  
 YOE: 2024  
 Acres: 4987.9 GIS Calculated  
 Examiner: Ryan Adamczyk  
 Map Revised: 10/4/2022  
 Map Phase: Post-Review

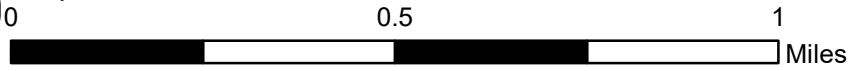


- Miris Corners
- ⊕ Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == Federal / State / County - Paved Road
- .-.- County - Gravel Road
- Private - Paved Road
- - Private - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛵 ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- ▲ Berms
- ▲ Campground
- P Parking Lot
- ✳️ Trailhead
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- ▭ Seed Tree (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil
- 790 - Other Bare/Sparingly Vegetated

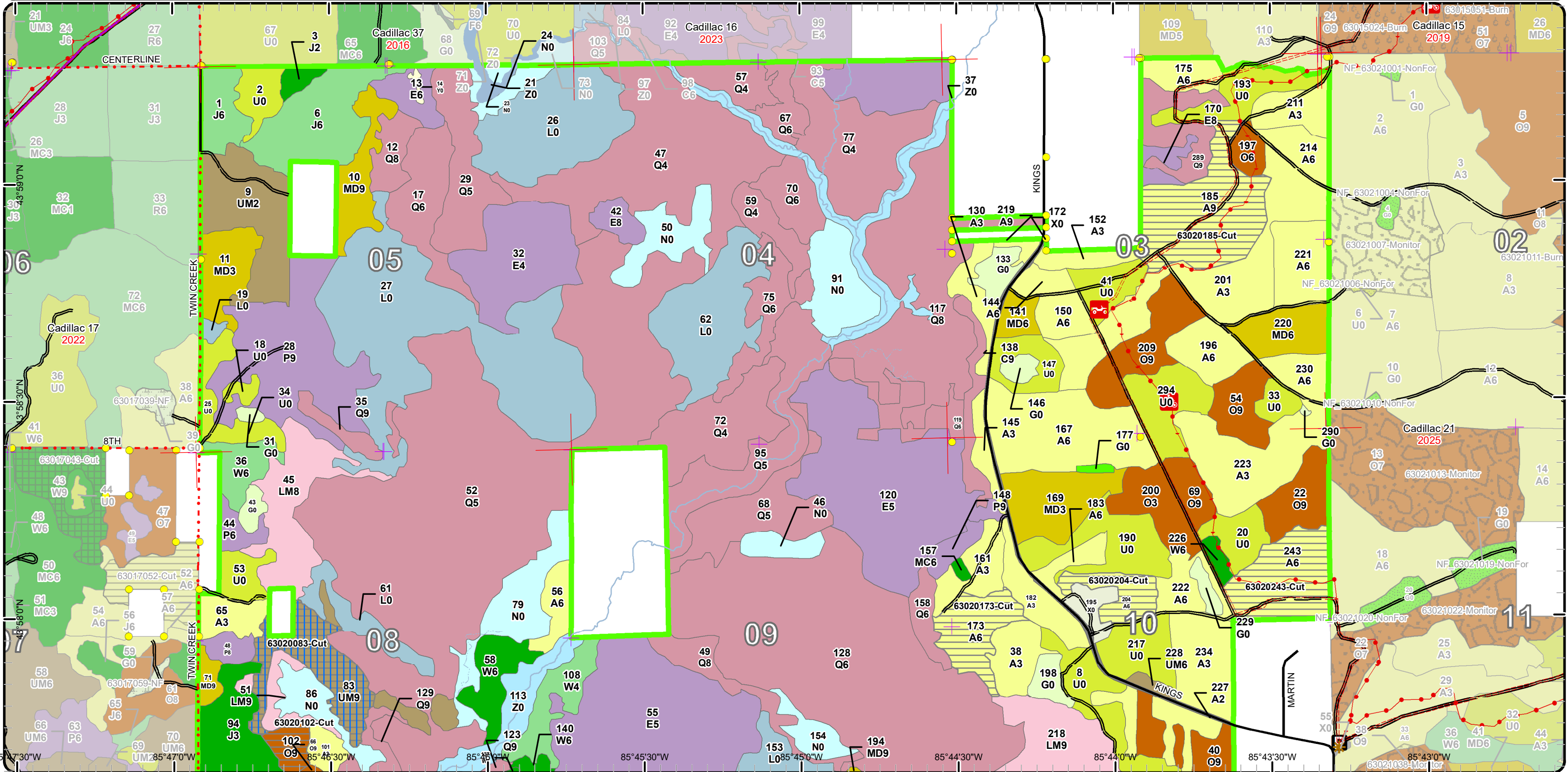


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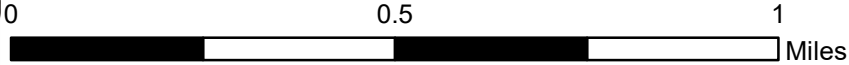


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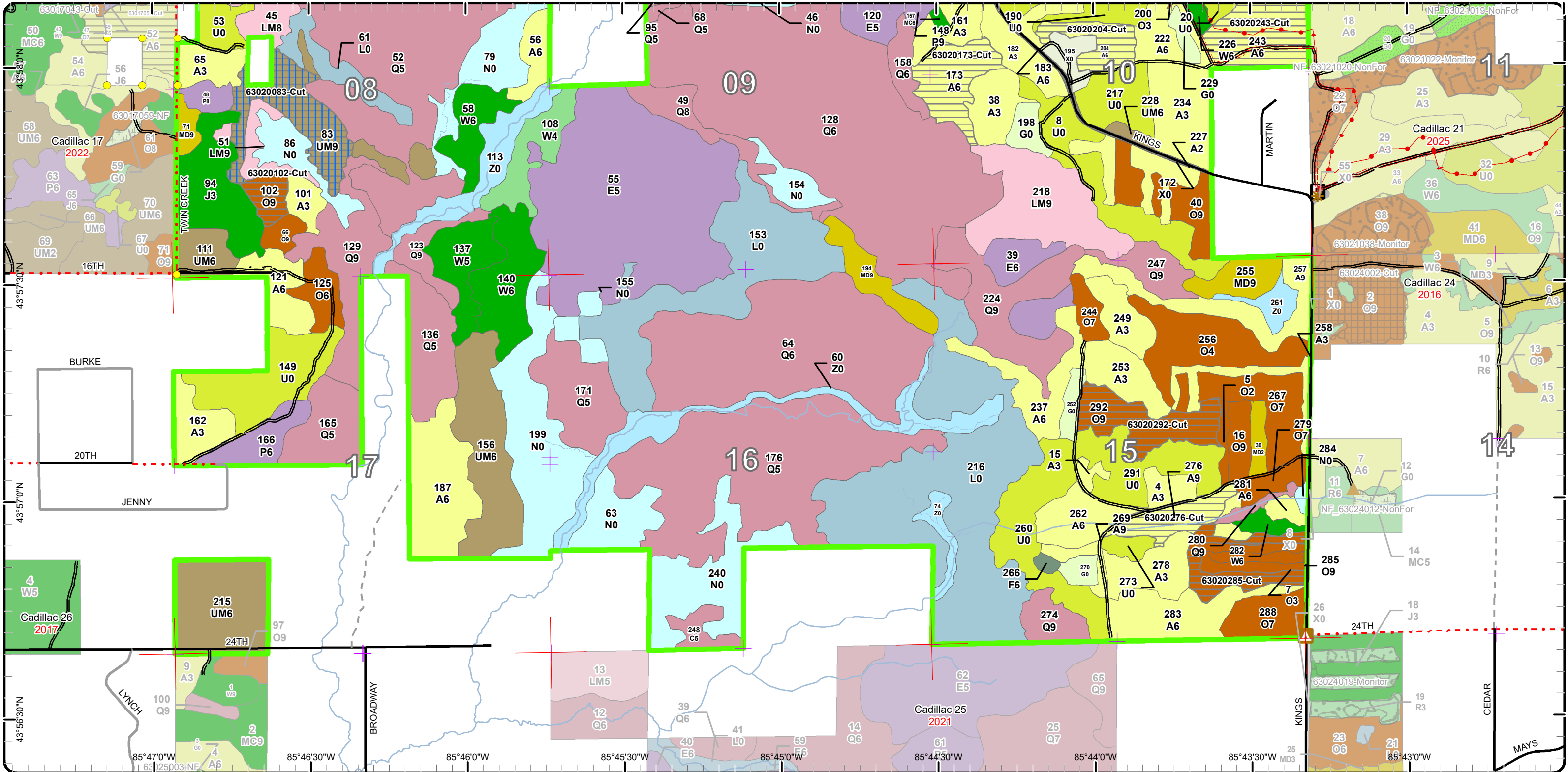


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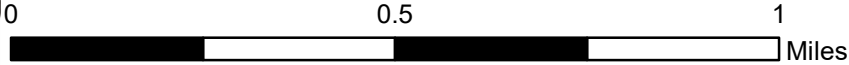


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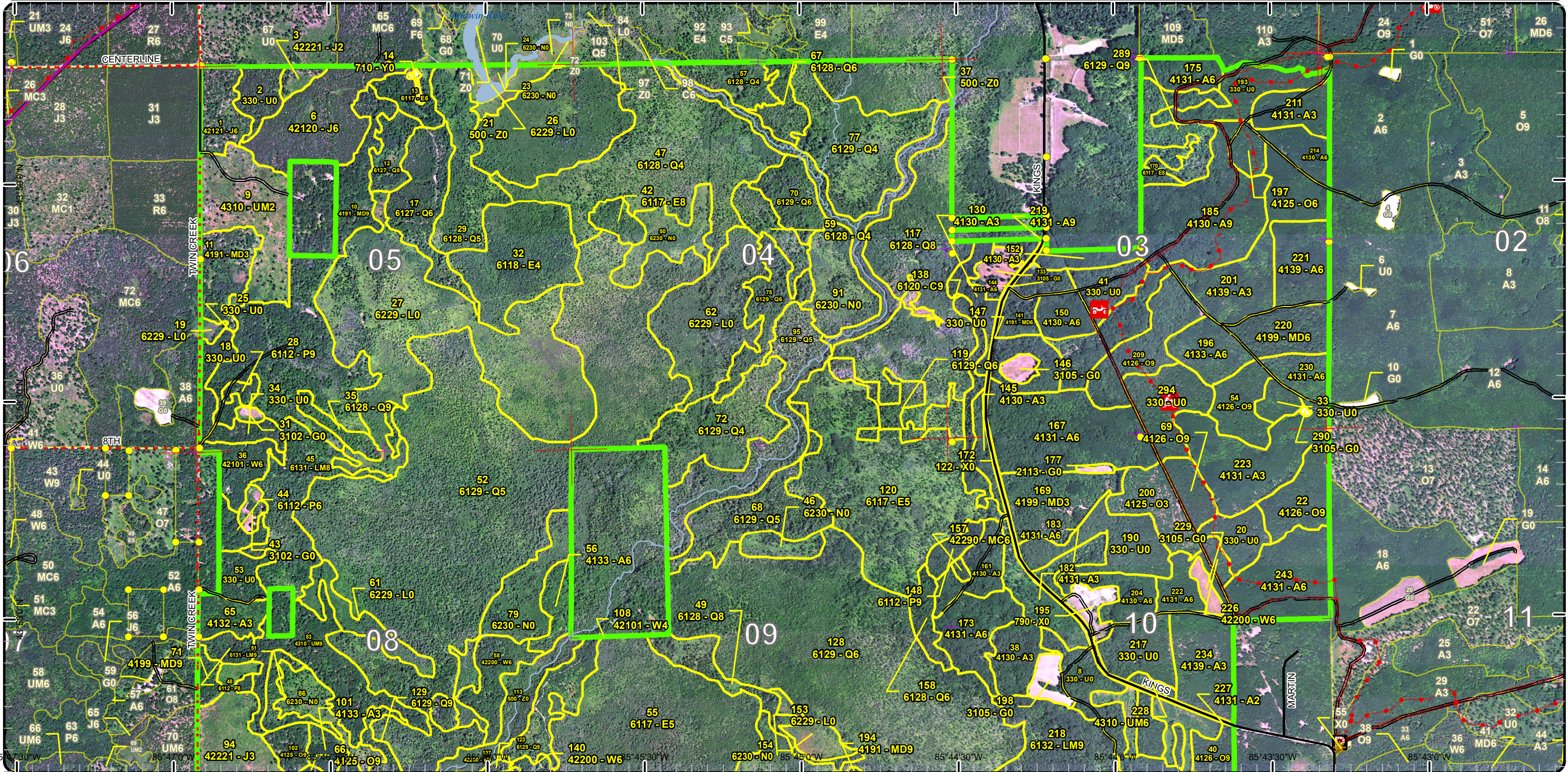


# Stand Boundary Map

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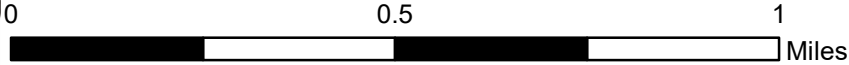


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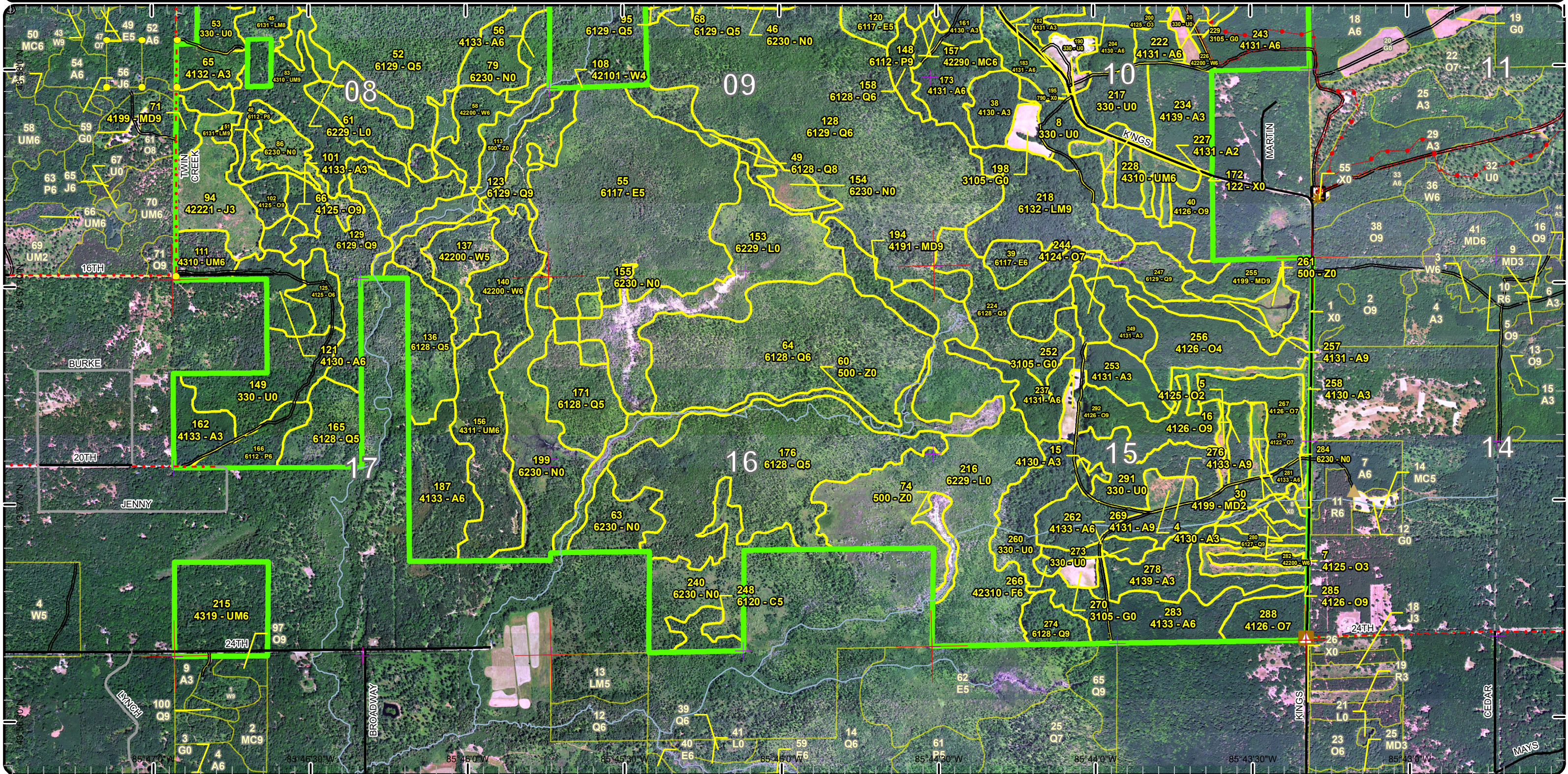


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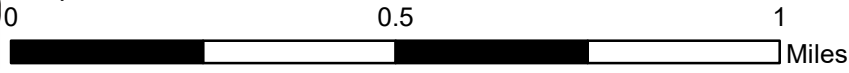


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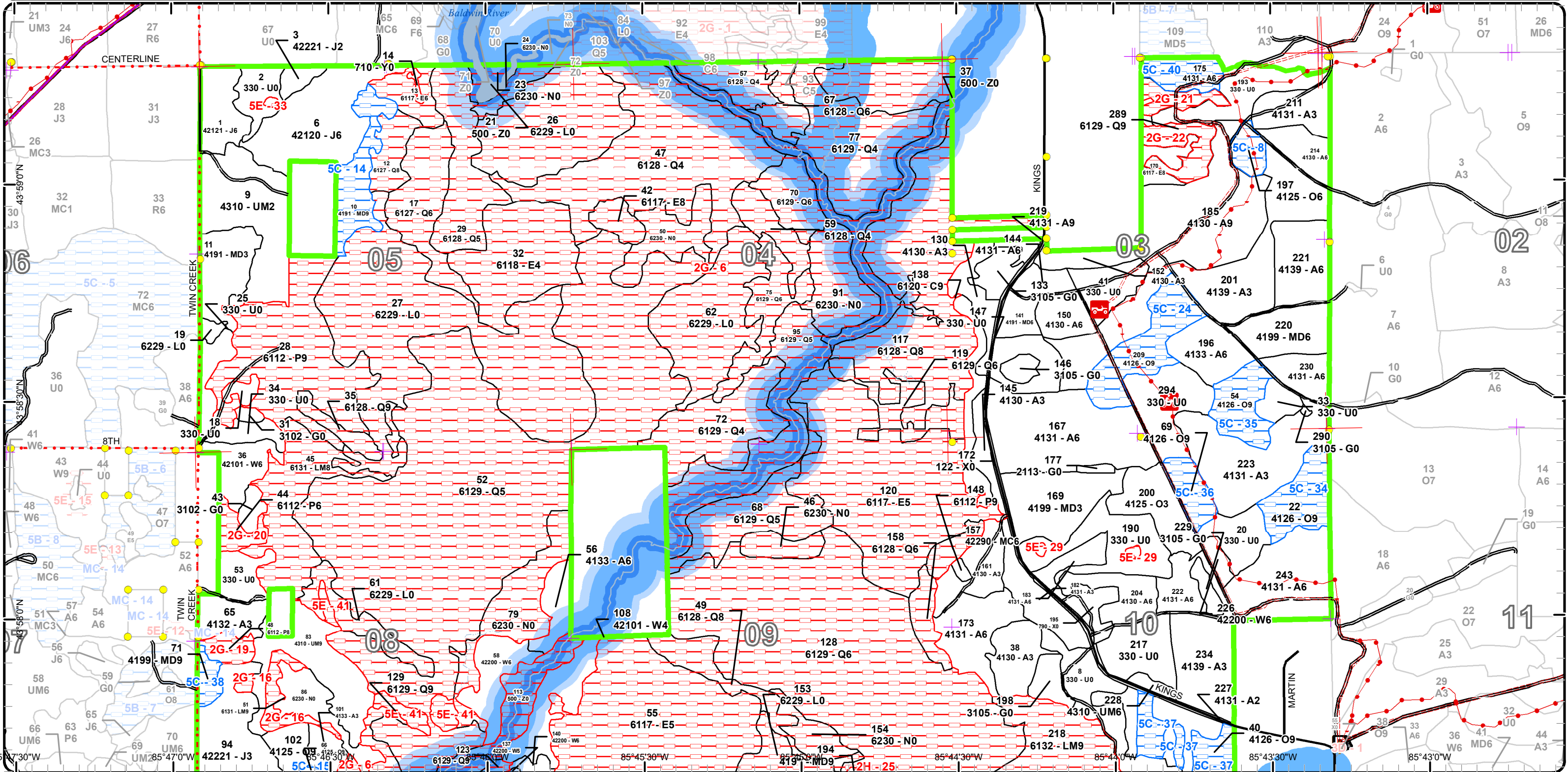


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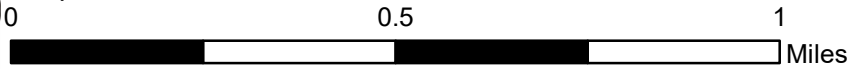
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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- High Priority Trout Stream Buffer
- Trail Head



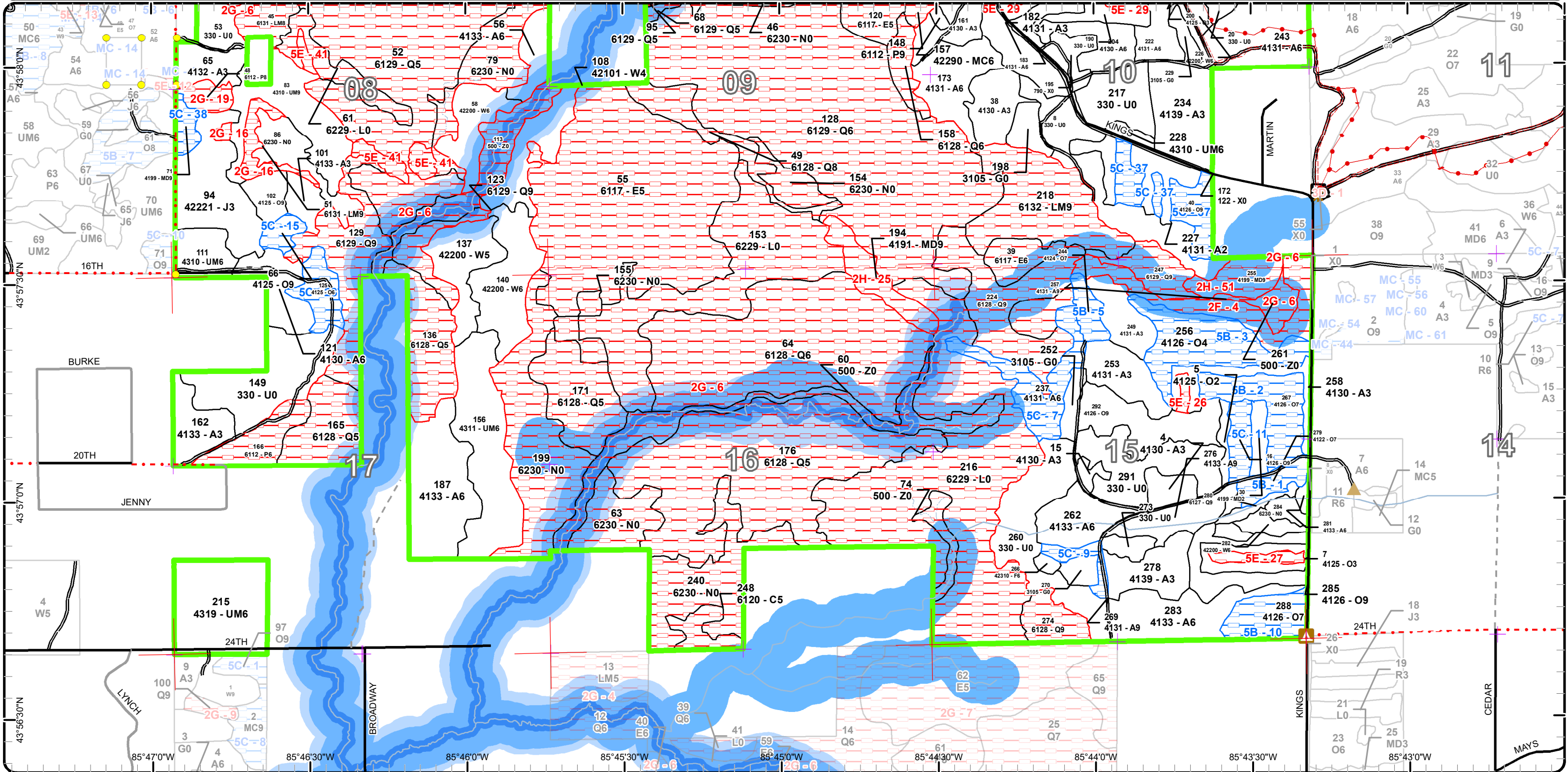


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- Unavailable
- Stand Boundaries
- SCA
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer
- Trail Head
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention





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	46	51	283	96	222	59	8	25	0	0	0	0	0	0	0	0	0	789
Bare/Sparsely Vegetated	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Cedar	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	19
Cropland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Herbaceous Openland	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Jack Pine	0	0	37	0	16	40	0	0	0	0	0	0	0	0	0	0	0	0	93
Low-Density Trees	307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	307
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	99	6	0	0	0	0	0	0	0	0	0	0	104
Lowland Conifers	0	0	0	30	0	0	0	0	0	183	498	48	246	597	0	0	0	0	1602
Lowland Deciduous	0	0	0	0	19	0	0	14	10	132	0	0	200	0	0	0	0	0	375
Lowland Mixed Forest	0	0	0	0	0	0	48	38	0	0	9	0	0	0	0	0	0	0	95
Lowland Shrub	487	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	486
Marsh	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	242
Mixed Upland Deciduous	0	0	5	66	7	0	0	0	12	25	0	0	15	0	0	0	0	0	130
Natural Mixed Pines	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Oak	0	0	12	19	0	0	0	0	0	19	20	77	144	0	0	0	0	0	291
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Mixed Forest	0	0	42	84	12	0	0	3	0	40	0	0	0	0	0	0	0	0	180
Upland Spruce/Fir	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107
White Pine	0	0	0	0	5	55	48	0	0	0	0	0	0	0	0	0	0	0	108
<b>Total</b>	<b>1201</b>	<b>46</b>	<b>147</b>	<b>482</b>	<b>155</b>	<b>319</b>	<b>254</b>	<b>69</b>	<b>48</b>	<b>399</b>	<b>546</b>	<b>125</b>	<b>605</b>	<b>597</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4989</b>



## Report 2 – Treatment Summary

Cadillac Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 20

Total Compartment Acres: 4,988

Commercial Harvest - 215  
 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	136	0	0	0	0	0	0	0	0	136
Oak	48	0	0	0	0	0	0	0	0	48
Upland Mixed Forest	0	0	0	30	0	0	0	0	0	30
<b>Total</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	215	0	0	0	0	0	0	0	0	215
Next Step	0	0	0	0	0	0	215	0	0	215
<b>Total</b>	<b>215</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>	<b>0</b>	<b>0</b>	<b>430</b>



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

83	63020083-Cut	30.4	4310 - Pine, Oak Mix	Sawtimber Well	86	111-140	Harvest	Seed Tree	4121 - Oak, Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees except white oak. Mark an occasional pine to meet certification retention standards. Use EMR spec to limit harvesting during dry summer or frozen winter conditions only. Make the contract 3 years.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> oak, aspen, red maple, white pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
102	63020102-Cut	7.7	4125 - Black, N. Pin Oak	Sawtimber Well	84	51-80	Harvest	Clearcut with Retention	4126 - White, Black, N. Pin Oak	Even-Aged	No
<p><u>Prescription Specs:</u> Green mark an occasional white oak. No retention due to small size. Use EMR spec to limit harvesting during dry summer or frozen winter conditions only. Make the contract 3 years.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> oak, white pine, red maple, aspen</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
173	63020173-Cut	22.0	4131 - Aspen, Oak	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species. Mark a couple small pockets for retention following certification guidelines. Use grouse spec. Use EMR spec to limit harvesting during dry summer or frozen winter conditions only. Make the contract 3 years.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> aspen, red maple, oak sp</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
<b>185 63020185-Cut</b>	52.0	4130 - Aspen	Sawtimber Well	49	141-170	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all species. Mark a few small pockets for retention following certification guidelines. Use ORV trail and grouse spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, red maple, oak</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>204 63020204-Cut</b>	13.3	4130 - Aspen	Poletimber Well	49	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all species. Mark a small area for retention.</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</u> aspen, red maple</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>243 63020243-Cut</b>	33.9	4131 - Aspen, Oak	Poletimber Well	47	111-140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all species. Mark a few scattered pockets for retention following certification guidelines. Use ORV trail and grouse spec. Use oak wilt spec 5.2.3.5.</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</u> aspen, red maple, oak sp</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
<b>276 63020276-Cut</b>	15.1	4133 - Aspen, Mixed Pine	Sawtimber Well	55	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all species. Mark a couple small pockets for retention following certification standards. Use EMR spec to limit harvesting during dry summer or frozen winter conditions only. Make the contract 3 years.</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</u> aspen, oak, red maple, white pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>285 63020285-Cut</b>	15.8	4126 - White, Black, N. Pin Oak	Sawtimber Well	92	81-110	Harvest	Clearcut with Retention	4126 - White, Black, N. Pin Oak	Uneven-Aged	No
<p><u>Prescription</u> Cut all species. Use the large strip in the middle of stand 285 as retention.</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</u> oak, aspen, red maple, white pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>292 63020292-Cut</b>	24.6	4126 - White, Black, N. Pin Oak	Sawtimber Well	115	111-140	Harvest	Clearcut with Retention	4126 - White, Black, N. Pin Oak	Even-Aged	No
<p><u>Prescription</u> Cut all species. Use the northern strip as retention. Use oak wilt spec 5.2.3.5.</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</u> oak, white pine, aspen, red maple</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

**Total Treatment Acreage Proposed: 214.8**

## Report 4 – Site Conditions

Cadillac Mgt. Unit

Ryan Adamczyk : Examiner

Compartment: 20

Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C	2F	2G	2H	5E
		With Condition	Not Available							
790	727	<b>38</b>	25	Aspen		<b>38</b>	25	0		
7	7	<b>0</b>	0	Bare/Sparsely Vegetated						
19	11	<b>0</b>	8	Cedar				8		
1	1	<b>0</b>	0	Cropland						
37	37	<b>0</b>	0	Herbaceous Openland						
93	93	<b>0</b>	0	Jack Pine						
307	305	<b>0</b>	2	Low-Density Trees		<b>0</b>		0		2
104	0	<b>0</b>	104	Lowland Aspen/Balsam Poplar				104		
1601	5	<b>0</b>	1596	Lowland Conifers				1,596		
374	6	<b>0</b>	368	Lowland Deciduous				368		
90	0	<b>0</b>	90	Lowland Mixed Forest				90		
487	2	<b>0</b>	485	Lowland Shrub				485		
223	16	<b>0</b>	206	Marsh				206		
130	78	<b>25</b>	27	Mixed Upland Deciduous		<b>25</b>			27	
1	1	<b>0</b>	0	Natural Mixed Pines						
292	79	<b>207</b>	6	Oak	<b>86</b>	<b>120</b>				6
1	1	<b>0</b>	0	Sand, Soil						
180	171	<b>0</b>	9	Upland Mixed Forest						9
2	2	<b>0</b>	0	Upland Spruce/Fir						
11	11	<b>0</b>	0	Urban						
84	0	<b>0</b>	84	Water				84		
107	107	<b>0</b>	0	White Pine						
4,940	1,661	<b>270</b>	3,010	Total Forested Acres	<b>86</b>	<b>183</b>	25	2,941	27	17
	34%	<b>5%</b>	61%	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	<b>5B: Maintain for regeneration purposes</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Cadillac Mgt. Unit  
Ryan Adamczyk : Examiner

Compartment: 20  
Year of Entry: 2024

2	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	33	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2F: Too steep</b>	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2,948	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Cadillac Mgt. Unit

Ryan Adamczyk : Examiner

Compartment: 20

Year of Entry: 2024

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand is mostly mature oak surrounded by large acreages of aspen. Leave stand for mast production.							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Available	5B: Maintain for regeneration purposes	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Cadillac Mgt. Unit  
Ryan Adamczyk : Examiner

Compartment: 20  
Year of Entry: 2024

16	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cedar/Hemlock stand.							
22	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Cadillac Mgt. Unit

Ryan Adamczyk : Examiner

Compartment: 20

Year of Entry: 2024

23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Cadillac Mgt. Unit

Ryan Adamczyk : Examiner

Compartment: 20

Year of Entry: 2024

31	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Cadillac Mgt. Unit

Ryan Adamczyk : Examiner

Compartment: 20

Year of Entry: 2024

38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
51	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments
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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	15.5	32	1-50	N/A	Stand was clearcut in 1989, timber sale # "63-030-88". Stand planted to jack pine FTP #W-63-347
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	10	Sapling/Pole	5	
Jack Pine	75	Pole/Sapling	6	32
Black/Red (Hybrid) Oak	15	Sapling/Pole	4	

2	330 - Low-Density Trees	Nonstocked	10.6	0	Unspecified	4222 - Natural Jack Pine	Stand was treated in Summer 2020 with timber sale # "63-005-14", "East Meets West".
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3	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Medium	4.2	13	Immature	N/A	Stand treated timber sale #63-017-06-01, "Furrows & Feathers". Treated 2009.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	15	Sapling	1	
Black/Red (Hybrid) Oak	15	Log	12	
Black/Red (Hybrid) Oak	10	Sapling	1	
Jack Pine	60	Sapling	2	13

4	4130 - Aspen	Sapling Well	7.1	15	Immature	N/A	Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX".
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Sapling	1	
Black Cherry	5	Sapling	1	
White Pine	15	Pole/Sapling	5	
Bigtooth Aspen	60	Sapling	2	15
Red Maple	15	Sapling	2	

5	4125 - Black, N. Pin Oak	Sapling Medium	3.2	15	Immature	N/A	Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX".
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	10	Sapling	2	
Black/Red (Hybrid) Oak	60	Sapling	1	15
Black Cherry	15	Sapling	1	
Red Maple	10	Sapling	2	
White Pine	5	Sapling/Pole	4	

6	42120 - Planted Jack Pine	Poletimber Well	39.5	43	81-110	N/A	Jack pine planted per FTP #C-63-21. Areas of leatherleaf throughout. Understory white pine heavy to east side of stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Pole/Sapling	5	
Black/Red (Hybrid) Oak	5	Pole/Sapling	6	
White Oak	2	Pole/Sapling	6	
Jack Pine	88	Pole	6	43

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	5 - 10 feet	Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	4125 - Black, N. Pin Oak	Sapling Well	9.1	15	Immature	N/A	Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX".
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	15	Sapling	2	
Black/Red (Hybrid) Oak	60	Sapling	1	15
Black Cherry	10	Sapling	1	
White Pine	10	Sapling/Pole	4	
Red Maple	5	Sapling	2	

8	330 - Low-Density Trees	Nonstocked	32.7	0	Unspecified	4319 - Mixed Upland Forest	Stand was treated in Fall 2019 with timber sale # "63-005-14", "East Meets West".
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Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	Medium	5 - 10 feet	Sapling
Red Maple	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Black Cherry	Low	< 5 feet	Sapling
White Oak	Low	< 5 feet	Sapling
White Oak	Low	>20 feet	Log
Black/Red (Hybrid) Oak	Low	>20 feet	Log

9	4310 - Pine, Oak Mix	Sapling Medium	41.8	16	Immature	N/A	Stand treated timber sale "4 Section Mix", #63-076-06-01.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	50	Sapling	2	16
Black/Red (Hybrid) Oak	25	Sapling	1	
Bigtooth Aspen	5	Sapling	2	
Black/Red (Hybrid) Oak	10	Log	10	
Black Cherry	10	Sapling	1	

10	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	19.6	89	51-80	N/A	Old, non passable two-track runs from the north to the NE corner of adjacent private. Lots of jack pine is falling out in the northern half.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	2	Log/Pole	10	
Jack Pine	30	Log/Pole	12	89
Bigtooth Aspen	20	Log/Pole	10	
White Pine	10	XLog/Log/Pole	18	
Red Maple	8	Log/Pole	10	
White Oak	5	Log/Pole	12	
Black/Red (Hybrid) Oak	25	Log/XLog/Pole	16	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	< 5 feet	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Jack Pine	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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11	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	19.2	26	51-80	N/A	Stand treated timber sale "Wide Waters Jack Pine", #63-014-94-01. Treated 1995. Regeneration is less dense to the very south of stand.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Pole/Sap/Log	8	
Red Maple	15	Pole/Sapling	5	
Black/Red (Hybrid) Oak	15	Log/Pole	12	
Jack Pine	35	Sapling/Pole	4	26
Bigtooth Aspen	25	Pole/Sapling	5	
White Oak	5	Sapling	2	

12	6127 - Lowland Pine	Sawtimber Medium	11.5	82	51-80	N/A
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	50	Log/Pole	14	82	White Pine	Medium	5 - 10 feet	Sapling
Red Maple	10	Pole/Log	8		Jack Pine	Medium	5 - 10 feet	Sapling
Jack Pine	35	Log/Pole	10					
Bigtooth Aspen	5	Pole/Log	8					

13	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	10.4	72	51-80	N/A
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	15	Pole/Sap/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	3	Log/Pole	14		Gray Dogwood	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	20	Log/Pole	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Cherry	2	Pole/Log	8		White Pine	High	5 - 10 feet	Sapling
White Pine	25	Log/Pole/XLog	16					
Red Maple	35	Log/Pole/Sap	10	72				

14	710 - Sand, Soil	Nonstocked	0.9		Unspecified	No
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15	4130 - Aspen	Sapling Well	2.9	15	Immature	N/A	Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX".
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Sapling	1	
Black Cherry	15	Sapling	1	
Bigtooth Aspen	80	Sapling	2	15



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**16** 4126 - White, Black, N. Pin Oak Sawtimber Well 7.8 115 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Log/Pole	10		Black Cherry	Low	5 - 10 feet	Sapling
Red Maple	15	Pole/Log	8		Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
White Oak	25	Log/Pole	12		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	40	Log/Pole	14	115	White Oak	Low	5 - 10 feet	Sapling
White Pine	10	Pole/Log	8		White Pine	Medium	10 - 20 feet	Sapling
Red Oak	5	Log/Pole	14					

**17** 6127 - Lowland Pine Poletimber Well 29.7 25 51-80 N/A

Stand treated timber sale "High-Five Pine", #63-038-94-01. Treated 1996-1997. Released understory white pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	75	Pole/Sap/Log	5	25
Black Spruce	5	Pole	8	
Jack Pine	5	Sapling/Pole	5	
Hemlock	5	Pole/Log	8	
Red Pine	5	Log/Pole	10	
Red Maple	5	Pole	6	

Stand treated timber sale "High-Five Pine", #63-038-94-01.

**18** 330 - Low-Density Trees Nonstocked 3.1 0 Unspecified 4319 - Mixed Upland Forest

Stand was treated in Summer 2020 with timber sale # "63-005-14", "East Meets West".

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Trace	>20 feet	Log
Black/Red (Hybrid) Oak	Low	>20 feet	Log
Red Maple	Medium	< 5 feet	Sapling
Bigtooth Aspen	Medium	< 5 feet	Sapling

**19** 6229 - Mixed lowland shrub Nonstocked 2.0 Unspecified No

Lowland aspen and jack pine with tag alder, willows, and small amount of gray dogwood. Low volumes.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
20	330 - Low-Density Trees	Nonstocked	12.2	0	Unspecified	4319 - Mixed Upland Forest	Stand was treated in Spring 2018 sale #, "63-039-14", "Trifecta".					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black/Red (Hybrid) Oak	Low	>20 feet	Log	
								White Oak	Low	>20 feet	Log	
21	500 - Water	Nonstocked	2.5		Unspecified	No						
22	4126 - White, Black, N. Pin Oak	Sawtimber Well	18.2	108	111-140	N/A						
								Canopy Species	% Cover	Size Class	DBH	Age
								Black/Red (Hybrid) Oak	40	Log/Pole	14	108
								Red Maple	10	Pole/Log	8	
								White Oak	30	Log/Pole	12	
								White Pine	5	Log/Pole	10	
								Bigtooth Aspen	15	Log/Pole	10	
Sub-Canopy Species	Density	Avg. Height	Size									
Black Cherry	Low	< 5 feet	Sapling									
White Pine	Low	10 - 20 feet	Sapling									
Witch Hazel	Low	5 - 10 feet	Tall Shrub									
23	6230 - Cattail	Nonstocked	2.0		Unspecified	No	Cattail with tag alder.					
24	6230 - Cattail	Nonstocked	7.4		Unspecified	No	Cattail with tag alder.					
25	330 - Low-Density Trees	Nonstocked	8.5	0	Unspecified	4131 - Aspen, Oak	Stand was treated in Summer 2020 with timber sale # "63-005-14", "East Meets West".					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Bigtooth Aspen	High	< 5 feet	Sapling	
26	6229 - Mixed lowland shrub	Nonstocked	56.9		Unspecified	No	Tag alder with cattails and low density conifers.					
27	6229 - Mixed lowland shrub	Nonstocked	136.9		Unspecified	No	Tag alder with cattails and small amount of lowland hardwoods.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Northern White Cedar	Low	>20 feet	Pole	
								Hemlock	Low	>20 feet	Log	
								Cattail spp.	Full	Unspecified	Non-Wood	
								Tag Alder	Medium	5 - 10 feet	Tall Shrub	
								White Pine	Low	>20 feet	Log	
								Gray Dogwood	Low	5 - 10 feet	Tall Shrub	
								Red Maple	Low	>20 feet	Pole	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**28** 6112 - Lowland Aspen Sawtimber Well 70.2 54 51-80 N/A Mixed lowland deciduous forest with areas of tag alders, willows, and cattails. Small sized upland ridges scattered throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Log/Pole	10		White Pine	Trace	5 - 10 feet	Sapling
Red Maple	25	Pole/Log	10		Gray Dogwood	High	5 - 10 feet	Tall Shrub
Basswood	15	Pole/Log	12		Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	40	Pole/Log	8	54	Tag Alder	Low	5 - 10 feet	Tall Shrub
White Oak	5	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	10	Log/XLog/Pole	14		Bigtooth Aspen	Low	>20 feet	Sapling

**29** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 33.6 85 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log/Pole	10		Gray Dogwood	Low	5 - 10 feet	Tall Shrub
Black Spruce	5	Pole	7		Cattail spp.	Medium	Unspecified	Non-Wood
Northern White Cedar	40	Pole/Log	8	85	Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Pine	30	Log/Pole	10					
Red Maple	20	Log/Pole	10					

**30** 4199 - Other Mixed Upland Deciduous Sapling Medium 5.1 15 Immature N/A Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX".

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	15	Sapling	2	
White Pine	10	Sapling/Pole	4	
Red Maple	10	Sapling	2	
Black Cherry	10	Sapling	1	
Black/Red (Hybrid) Oak	55	Sapling	1	15

**31** 3102 - Grass Nonstocked 1.6 Unspecified No Old Wildlife field. No longer maintained.

**32** 6118 - Lowland Deciduous with Cedar Poletimber Poor 46.9 110 Unspecified N/A

**33** 330 - Low-Density Trees Nonstocked 6.0 0 Unspecified 4319 - Mixed Upland Forest Stand was treated in Spring 2018 sale #, "63-039-14", "Trifecta".

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	>20 feet	Log
White Oak	Low	>20 feet	Log



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**34** 330 - Low-Density Trees Nonstocked 6.7 0 Unspecified 4319 - Mixed Upland Forest Stand was treated in Summer 2020 with timber sale # "63-005-14", "East Meets West".

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	Sapling
White Pine	Trace	>20 feet	Pole
Bigtooth Aspen	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	Trace	>20 feet	Log

**35** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 8.6 108 51-80 N/A Hemlock, Cedar ridge with hardwoods. Some hemlock seedlings in stand.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	7	
Red Oak	15	Log/Pole	12	
Northern White Cedar	20	Pole/Log	8	
Hemlock	30	Log/Pole	12	108
Bigtooth Aspen	5	Log/Pole	10	
Red Maple	15	Log/Pole	10	
White Pine	10	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	Sapling
Hemlock	Trace	< 5 feet	Sapling
Red Maple	Low	10 - 20 feet	Pole

**36** 42101 - Planted White Pine, Mixed Deciduous Poletimber Well 13.1 45 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	80	Pole/Sap/Log	7	45
Red Maple	10	Pole	8	
Black/Red (Hybrid) Oak	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Maple	Medium	10 - 20 feet	Sapling

**37** 500 - Water Nonstocked 33.0 0 Unspecified No Baldwin River

**38** 4130 - Aspen Sapling Well 14.5 2 Immature N/A Stand was treated in Fall 2019 with timber sale # "63-005-14", "East Meets West".

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Pole/Log	8	
Bigtooth Aspen	80	Sapling	1	2
Black/Red (Hybrid) Oak	2	Log	10	
Black/Red (Hybrid) Oak	2	Sapling	1	
Black Cherry	4	Sapling	1	
Red Maple	10	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	5 - 10 feet	Sapling
Hawthorn (spp.)	Medium	5 - 10 feet	Tall Shrub
Witch Hazel	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**39** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 19.0 30 81-110 N/A Stand treated in habitat cut however, paperwork could not be found.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Oak	10	Sapling	4					
Bigtooth Aspen	25	Pole/Sapling	5					
Red Maple	25	Pole/Sapling	5					
White Pine	30	Pole/Sap/Log	6	30				
Northern White Cedar	5	Pole	6					

**40** 4126 - White, Black, N. Pin Oak Sawtimber Well 19.4 115 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	25	Log/Pole	10		Black Cherry	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	50	Log/Pole	12	115	White Pine	Medium	10 - 20 feet	Sapling
White Pine	10	Log/Pole	10		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Maple	10	Pole/Log	9					

**41** 330 - Low-Density Trees Nonstocked 12.7 0 Unspecified 4319 - Mixed Upland Forest Stand was treated in Fall 2019 with timber sale # "63-005-14", "East Meets West".

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	Sapling
Bigtooth Aspen	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Maple	Low	< 5 feet	Sapling
White Oak	Low	< 5 feet	Sapling
White Oak	Low	>20 feet	Log
Black/Red (Hybrid) Oak	Low	>20 feet	Log

**42** 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Medium 7.2 60 Unspecified N/A Age estimate on aspen.

**43** 3102 - Grass Nonstocked 3.9 Unspecified No Old wildlife opening.

**44** 6112 - Lowland Aspen Poletimber Well 6.7 55 111-140 N/A Heavy white pine understory. Adjacent to private land.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	7		White Pine	High	10 - 20 feet	Sapling
White Oak	10	Pole/Log	7		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	45	Pole/Log	8	55				
Black/Red (Hybrid) Oak	20	Pole/Log	12					
White Pine	15	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**45** 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Medium 37.9 65 51-80 N/A Some tag alder and leatherleaf areas throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Pole/Log	8		White Pine	Medium	10 - 20 feet	Sapling
White Pine	25	Log/Pole	12		Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	35	Pole/Log	8	65	Leatherleaf	Trace	5 - 10 feet	Tall Shrub
Hemlock	10	Log/Pole	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	15	Pole/Log	9					

**46** 6230 - Cattail Nonstocked 8.1 0 Unspecified No

**47** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 100.0 126 1-50 N/A

**48** 6112 - Lowland Aspen Sawtimber Medium 5.9 65 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	45	Log/Pole/Sap	10	65	Leatherleaf	Low	5 - 10 feet	Tall Shrub
Red Maple	25	Log/Pole	10		Hawthorn (spp.)	Medium	5 - 10 feet	Tall Shrub
White Pine	20	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Jack Pine	5	Log/Pole	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Cherry	5	Pole/Log	8					

**49** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Medium 16.9 120 51-80 N/A Possible old railroad grade

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	2	Log/Pole	12		Tag Alder	Low	5 - 10 feet	Tall Shrub
Hemlock	30	Log/Pole	14	120	White Pine	Medium	10 - 20 feet	Sapling
Black Spruce	5	Pole/Log	8					
Northern White Cedar	18	Log/Pole	10					
White Pine	20	Log/XLog	16					
Basswood	5	Log	14					
Red Oak	5	XLog/Log	14					
Red Maple	10	Log/Pole	10					
Bigtooth Aspen	5	Log	10					

**50** 6230 - Cattail Nonstocked 19.1 Unspecified No





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**51** 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Well 8.9 95 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	10		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	25	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	5	Pole/Log	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Jack Pine	5	Log/Pole	10		Black Cherry	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	5	Log/Pole	12		Hawthorn (spp.)	Medium	5 - 10 feet	Tall Shrub
White Pine	35	Log/Pole/XLog	14	95	Red Maple	Medium	10 - 20 feet	Sapling
Hemlock	5	Log/XLog/Pole	12					

**52** 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 335.9 95 Unspecified N/A Age estimate on black ash.

**53** 330 - Low-Density Trees Nonstocked 9.8 0 Unspecified 4319 - Mixed Upland Forest Stand was treated in Summer 2020 with timber sale # "63-005-14", "East Meets West".

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	Low	>20 feet	Log
Bigtooth Aspen	Medium	< 5 feet	Sapling
Black Cherry	Low	< 5 feet	Sapling
White Oak	Trace	>20 feet	Log

**54** 4126 - White, Black, N. Pin Oak Sawtimber Well 16.1 108 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Log/Pole	10		Black Cherry	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	40	Log/Pole	14	108	White Pine	Medium	10 - 20 feet	Sapling
White Oak	30	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	15	Log/Pole	10					
Red Maple	10	Pole/Log	8					

**55** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 152.8 115 Unspecified N/A

**56** 4133 - Aspen, Mixed Pine Poletimber Well 10.0 42 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	10	Pole	8		Quaking Aspen	Low	10 - 20 feet	Sapling
Hemlock	5	Log/Pole	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Pole	7					
Quaking Aspen	60	Pole/Sapling	6	42				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**57** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 13.7 110 1-50 N/A

**58** 42200 - Natural White Pine Poletimber Well 16.6 45 81-110 N/A Leave for age class/species diversity.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	65	Pole/Log	8	45	Witch Hazel	Medium	10 - 20 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Log/Pole	12		White Pine	Medium	5 - 10 feet	Sapling
Red Pine	10	Pole/Log	12		Black Cherry	Low	< 5 feet	Sapling
White Oak	5	Pole/Log	9		Red Maple	Medium	< 5 feet	Sapling
Bigtooth Aspen	10	Pole/Log	8					
Red Maple	5	Pole/Log	8					

**59** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 12.9 126 1-50 N/A

**60** 500 - Water Nonstocked 34.2 Unspecified No North Branch of Cole Creek

**61** 6229 - Mixed lowland shrub Nonstocked 14.4 Unspecified No Tag alder with a few white pine.

**62** 6229 - Mixed lowland shrub Nonstocked 49.5 Unspecified No Cattails with tag alder and cedar.

**63** 6230 - Cattail Nonstocked 20.5 Unspecified No

**64** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 125.7 126 Unspecified N/A Age estimate on Cedar. Cedar with black spruce, white pine, tamarack, and lowland hardwoods.

**65** 4132 - Aspen, Jack Pine Sapling Well 11.5 27 1-50 N/A Stand treated timber sale #63-014-94-01, "Wide Waters Jack Pine". Lowland tag alder with scattered Bigtooth Aspen and Jack Pine pulp. Some upland areas scattered through stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Jack Pine	30	Sapling	3		Leatherleaf	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Sapling/Pole	4		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Cherry	10	Sapling	3					
Bigtooth Aspen	45	Sapling/Pole	4	27				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
<b>66</b>	4125 - Black, N. Pin Oak	Sawtimber Well	5.0	84	1-50	N/A																																																												
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<b>67</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	11.1	90	Unspecified	N/A																																																												
<b>68</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	34.0	126	1-50	N/A	Cedar, pine, lowland hardwoods.																																																											
<b>69</b>	4126 - White, Black, N. Pin Oak	Sawtimber Well	9.7	108	111-140	N/A	Tin Cup Spring ORV Trail and Route run through stand.																																																											
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<b>70</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	16.0	90	Unspecified	N/A																																																												
<b>71</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Well	5.0	87	81-110	N/A																																																												
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<b>72</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	38.6	100	1-50	N/A																																																												
<b>74</b>	500 - Water	Nonstocked	6.8		Unspecified	No	South branch of Cole Creek																																																											
<b>75</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	21.0	90	Unspecified	N/A																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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77 6129 - Mixed Coniferous Lowland Forest Poletimber Poor 50.4 120 1-50 N/A

79 6230 - Cattail Nonstocked 29.5 Unspecified No Cattails with scattered white pine and some lowland hardwoods.

83 4310 - Pine, Oak Mix Sawtimber Well 39.5 86 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Pole/Log	8		Red Maple	Medium	< 5 feet	Sapling
White Oak	5	Log/Pole	10		White Pine	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	20	Log/Pole	10		Witch Hazel	Medium	10 - 20 feet	Tall Shrub
Red Maple	10	Log/Pole	10		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Pine	5	Log/Pole	12		Black Cherry	Low	< 5 feet	Sapling
White Pine	35	Log/Pole/XLog	12	86				
Black/Red (Hybrid) Oak	20	Log/Pole	12					

86 6230 - Cattail Nonstocked 14.5 Unspecified No Cattails with occasional cedar pulp, white pine pulp, black ash pulp, and red maple pulp-log.

91 6230 - Cattail Nonstocked 24.3 Unspecified No

94 42221 - Natural Jack Pine, Mixed Deciduous Sapling Well 33.3 16 Immature N/A Stand treated timber sale #63-076-06-01, "4 Section Mix". Areas of good oak seedlings.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	65	Sapling	2	16
Black/Red (Hybrid) Oak	20	Sapling	2	
Bigtooth Aspen	5	Sapling	2	
Black Cherry	10	Sapling	2	

95 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 46.5 126 1-50 N/A Cedar, pine, lowland hardwoods.

101 4133 - Aspen, Mixed Pine Sapling Well 6.9 26 1-50 N/A Stand treated timber sale #63-026-94-01, "Mosquito Coast Aspen".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Sapling/Pole	4	26	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	15	Sapling/Pole	3					
White Pine	20	Sapling/Pole	6					
Black Cherry	5	Sapling/Pole	2					
Red Maple	10	Sapling/Pole	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**102** 4125 - Black, N. Pin Oak Sawtimber Well 7.7 84 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	10	Log/Pole	12		Red Maple	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	50	Log/XLog/Pole	14	84	White Pine	Medium	< 5 feet	Sapling
Bigtooth Aspen	5	Pole/Log	8		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Jack Pine	5	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	20	Log/Pole	12					
Red Maple	10	Log/Pole	10					

**108** 42101 - Planted White Pine, Mixed Deciduous Poletimber Poor 19.0 50 1-50 N/A

Stand was treated in 1995 with timber sale #, "63-040-94", "Red Gate Pine & Hardwood".

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	4	Pole/Sapling	6	
White Oak	5	Pole/Sapling	5	
Black/Red (Hybrid) Oak	6	Sapling/Pole	4	27
Bigtooth Aspen	3	Sapling/Pole	5	
Red Maple	2	Pole/Sapling	5	
White Pine	80	Pole/Sapling	7	50

**111** 4310 - Pine, Oak Mix Poletimber Well 12.2 36 51-80 N/A

Stand treated timber sale #63-012-86-02, cut in 1986.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Pole/Sapling	6		Black Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	20	Sapling/Pole	4					
White Pine	25	Pole/Sapling	6	36				
Red Pine	5	Pole	7					
Red Maple	10	Pole/Sapling	6					
White Oak	10	Sapling/Pole	4					
Jack Pine	25	Pole/Sapling	6					

**113** 500 - Water Nonstocked 23.5 Unspecified No

Baldwin river with tag alder.

**117** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Medium 94.2 80 1-50 N/A

**119** 6129 - Mixed Coniferous Lowland Forest Poletimber Well 17.1 95 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	40	Pole/Log	8	95
White Pine	20	Pole/Log	12	
Hemlock	25	Pole/Log	8	
Red Maple	15	Pole/Log	8	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>120</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	131.6	80	1-50	N/A	
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<b>121</b>	4130 - Aspen	Poletimber Well	16.0	45	51-80	N/A	Stand treated in 1977 but timber sale paperwork could not be found. Current ring count matches with previous inventory age.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	10	Pole/Sapling	5		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Pine	10	Log/Pole/Sap	10					
Black/Red (Hybrid) Oak	10	Pole/Sap/Log	6					
White Oak	5	Pole/Sap/Log	5					
Bigtooth Aspen	65	Pole/Sapling	6	45				

<b>123</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	10.7	125	51-80	N/A	Age estimate on cedar. Cedar with black spruce, tamarack, white pine and lowland hardwoods.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	20	Log/Pole	10	
Hemlock	35	Log/Pole	12	
White Pine	45	XLog/Log	18	125

<b>125</b>	4125 - Black, N. Pin Oak	Poletimber Well	11.2	112	51-80	N/A	Aspen heavier to the north.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	45	Pole/Log/Sap	10	112	Red Maple	Low	< 5 feet	Sapling
Jack Pine	10	Pole/Log	7		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black Cherry	5	Pole/Log	8		White Pine	Medium	< 5 feet	Sapling
Bigtooth Aspen	10	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Pole/Log	7					
White Oak	15	Pole/Log	9					
White Pine	10	Pole/Log	9					

<b>128</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	228.5	115	Unspecified	N/A	
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<b>129</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	34.9	85	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	40	Pole/Log	8	85
Hemlock	20	Log/Pole	10	
Black Spruce	10	Pole/Log	8	
White Pine	20	Log/Pole/XLog	14	
Jack Pine	5	Pole/Log	8	
Red Maple	5	Pole/Log	6	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**130** 4130 - Aspen Sapling Well 10.5 4 Immature N/A Stand was treated in summer 2018 with sale # "63-040-14", "Lowlandia"

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	90	Sapling	1	4
Red Maple	10	Sapling	1	

**133** 3105 - Mixed Upland Herbaceous Nonstocked 7.4 Unspecified Managed Opening Alfalfa and clover

**136** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 27.7 90 1-50 N/A

**137** 42200 - Natural White Pine Poletimber Medium 20.9 45 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Pole/Sapling	5	
Jack Pine	5	Pole/Sapling	5	
White Pine	90	Pole/Sap/Log	7	45

**138** 6120 - Lowland Cedar Sawtimber Well 11.3 98 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	8	
Northern White Cedar	50	Log/Pole	10	98
White Pine	25	Log/Pole/XLog	16	
Hemlock	15	Log/Pole	12	

**140** 42200 - Natural White Pine Poletimber Well 28.7 50 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Sapling/Pole	4	
Bigtooth Aspen	5	Pole/Sapling	6	
Black Cherry	5	Pole/Sapling	5	
White Pine	85	Pole/Sapling	7	50

**141** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 7.1 35 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Log/Pole/Sap	12	
Red Maple	15	Pole/Sapling	5	
White Oak	10	Sapling/Pole	4	
Black/Red (Hybrid) Oak	15	Sapling/Pole/Log	4	
Black Cherry	10	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Hawthorn (spp.)	High	< 5 feet	Tall Shrub
Autumn Olive	Medium	5 - 10 feet	Tall Shrub
Black Cherry	Medium	< 5 feet	Sapling
Witch Hazel	Medium	5 - 10 feet	Tall Shrub

Stand treated timber sale "King's Hwy Aspen", #63-026-87-01. Excellent wildlife stand. Regenerating aspen and oak with a good mix of wildlife shrub species and densities. Moderate-high amount of hawthorn seedlings present.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
<b>144</b>	4131 - Aspen, Oak	Poletimber Well	6.2	45	81-110	N/A																																																
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<b>145</b>	4130 - Aspen	Sapling Well	6.6	4	Immature	N/A	Stand was treated in summer 2018 with sale # "63-040-14", "Lowlandia"																																															
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<b>146</b>	3105 - Mixed Upland Herbaceous	Nonstocked	3.8		Unspecified	Managed Opening	Mixed Herbaceous and clover																																															
<b>147</b>	330 - Low-Density Trees	Nonstocked	12.3	0	Unspecified	4121 - Oak, Aspen	Stand was treated in Fall 2019 with timber sale # "63-005-14", "East Meets West".																																															
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<b>148</b>	6112 - Lowland Aspen	Sawtimber Well	6.5	54	51-80	N/A	Stand was going to be cut along with the adjacent stand but was unable to be cut due to wet soils and EMR spec.																																															
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Black/Red (Hybrid) Oak	15	Sapling/Pole	4																																																												
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152	4130 - Aspen	Sapling Well	8.0	35	51-80	N/A	Stand treated timber sale #63-005-86-01, "King's Hill". Treated in 1987.																																																								
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153	6229 - Mixed lowland shrub	Nonstocked	77.9	0	Unspecified	No	Beaver dams can be seen on aerial imagery as well as standing dead ash.																																																								
154	6230 - Cattail	Nonstocked	9.7		Unspecified	No	Cattails with tag alder.																																																								
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155	6230 - Cattail	Nonstocked	7.9		Unspecified	No	Habitat cut. Filling in with cattails.																																																								
156	4311 - Pine, Aspen Mix	Poletimber Well	44.7	27	51-80	N/A																																																									
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157	42290 - Natural Mixed Pine	Poletimber Well	1.2	75	51-80	N/A	Deer enclosure to study browse effects on vegetation.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**158** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 9.0 88 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Log	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	15	Log/Pole	10		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
White Pine	20	Log/Pole/XLog	10					
Hemlock	15	Log/Pole	10					
Northern White Cedar	40	Pole/Log	8	88				
Red Maple	5	Pole/Log	8					

**161** 4130 - Aspen Sapling Well 14.7 2 Immature N/A

Stand was treated in Fall 2019 with timber sale # "63-005-14", "East Meets West".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	8	Sapling	1		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	75	Sapling	1	2	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	5	Pole/Log	7					
White Pine	2	Log/Pole	10					
Black/Red (Hybrid) Oak	10	Pole/Log	9					

**162** 4133 - Aspen, Mixed Pine Sapling Well 15.1 26 81-110 N/A

Stand treated in 1996 with timber sale #63-026-94-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	10	Sapling/Pole	3		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Sapling/Pole	4		White Oak	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	5	Sapling	2					
White Pine	20	Pole/Sap/Log	7					
Bigtooth Aspen	60	Sapling/Pole	4	26				

**165** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 24.1 95 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	20	Pole/Log	9		Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	15	Log/Pole	10		Cattail spp.	Medium	Unspecified	Non-Wood
Hemlock	10	Log/Pole	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Pine	15	Log/Pole	12					
Northern White Cedar	40	Pole/Log	8	95				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**166** 6112 - Lowland Aspen Poletimber Well 15.1 55 51-80 N/A Some areas with tag alder, gray dogwood, cedar, and dead ash.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Pole/Log/Sap	7	55	White Pine	High	10 - 20 feet	Sapling
White Pine	5	Pole/Log	8		Musclewood/Hornbeam	Low	5 - 10 feet	Tall Shrub
Red Pine	5	Log	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
Jack Pine	5	Pole/Log	8		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Northern White Cedar	5	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Red Maple	30	Pole/Log	7		Black Cherry	Low	5 - 10 feet	Sapling

**167** 4131 - Aspen, Oak Poletimber Well 51.4 44 81-110 N/A Stand treated under timber sale permit number 6-78. Treated in 1978. Occasional p-l white pine, black oak, and white oak. Excellent single-stem and clump sprout oak. Habitat cut in 1979 per FTP#W-63-30, residual aspen and mixed hardwoods were cut. Some trees were maked to save. Tin Cup Spring Trail runs along the eastern edge of stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	25	Pole	8		Black Cherry	Medium	< 5 feet	Sapling
White Oak	5	Pole	7		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	50	Pole	6	44	Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Red Maple	20	Pole	6	44				

**169** 4199 - Other Mixed Upland Deciduous Sapling Well 27.7 28 51-80 N/A Stand treated timber sale #63-013-94-01. Excellent oak seedlings/saplings.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	35	Sapling/Pole	3	28
Red Maple	20	Sapling/Pole	5	28
Black Cherry	20	Sapling	5	
Bigtooth Aspen	25	Sapling	4	28

**170** 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Medium 6.3 65 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole/Log	8		Cattail spp.	Low	Unspecified	Non-Wood
Bigtooth Aspen	30	Log/Pole	10	65	White Pine	Low	5 - 10 feet	Sapling
White Pine	20	Log/Pole	12					
Northern White Cedar	5	Log/Pole	10					
White Oak	5	Log/Pole	10					
Red Oak	15	Log/Pole	12					

**171** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 30.4 126 Unspecified N/A Age estimate on Cedar. Cedar with black spruce, white pine, tamarack, and lowland hardwoods.

**172** 122 - Road/Parking Lot Nonstocked 10.7 Unspecified No King's Highway



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**173** 4131 - Aspen, Oak Poletimber Well 22.0 52 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	9		Hawthorn (spp.)	Medium	5 - 10 feet	Tall Shrub
White Oak	10	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Log/Pole	10					
White Pine	5	Log/Pole	10					
Bigtooth Aspen	70	Pole/Log	8	52				

**175** 4131 - Aspen, Oak Poletimber Well 11.0 49 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	20	Sapling/Pole	4		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	10	Pole	6	49				
White Oak	5	Sapling/Pole	4					
Bigtooth Aspen	65	Pole	6	49				

Stand treated timber sale permit #1-72. Treated in 1973. Occasional overstory red and white pine. Tin Cup Spring ORV route runs through stand.

**176** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 129.2 126 Unspecified N/A

**177** 2113 - Forage Crops Nonstocked 1.4 Unspecified Managed Opening Alfalfa and clover

**182** 4131 - Aspen, Oak Sapling Well 15.1 15 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	55	Sapling	2	15	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
White Oak	15	Pole/Log	7		Bigtooth Aspen	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole	10					
Red Maple	20	Sapling	2					

Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX". Good single-stem and clump oak seedlings/saplings.

**183** 4131 - Aspen, Oak Poletimber Well 7.1 28 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	55	Pole/Sapling	5	28	White Oak	Low	< 5 feet	Sapling
Red Maple	15	Sapling/Pole	4		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	30	Sapling	3					

Stand treated timber sale #63-013-94-01. Small pole stand.

**185** 4130 - Aspen Sawtimber Well 52.0 49 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	8		Black Cherry	Medium	< 5 feet	Sapling
Bigtooth Aspen	70	Log/Pole	10	49	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Pole	7					

Stand treated timber sale permit #3-70. Treated in 1973. Some low, wet spots south of trail. Tin Cup Spring ORV route and trail run through stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
<b>187</b>	4133 - Aspen, Mixed Pine	Poletimber Well	38.3	27	51-80	N/A																																																		
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<b>190</b>	330 - Low-Density Trees	Nonstocked	26.8	0	Unspecified	4199 - Other Mixed Upland Deciduous	Stand was cut in Winter 2018 as part of "Gravel Pit Oak", sale # "63-022-14-01".																																																	
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White Oak	Low	>20 feet	Log																																																					
<b>194</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	14.9	110	51-80	N/A	Do not treat - keep for age class and species diversity. Nice upland stand amongst the lowland areas.																																																	
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<b>195</b>	790 - Other Bare/Sparsely Vegetated	Nonstocked	7.5		Unspecified	No	Old gravel pit.																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
<b>196</b>	4133 - Aspen, Mixed Pine	Poletimber Well	16.1	37	51-80	N/A	Stand treated timber sale #63-029-83-01, "Save the Oak". Treated in 1985.																																											
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<b>197</b>	4125 - Black, N. Pin Oak	Poletimber Well	6.7	82	81-110	N/A	Heavy white pine in understory. Tin Cup Spring ORV trail in stand. Old red paint from previous patch cuts that were never cut.																																											
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<b>198</b>	3105 - Mixed Upland Herbaceous	Nonstocked	6.6		Unspecified	Managed Opening	Mixed herbaceous and clover																																											
<b>199</b>	6230 - Cattail	Nonstocked	55.8		Unspecified	No																																												
<b>200</b>	4125 - Black, N. Pin Oak	Sapling Well	18.8	25	51-80	N/A	Stand treated in 1997 with timber sale # "63-018-94-01", "R.O.W. Oak". Good oak regen in the form of single-stem and clumps, oak seedlings underneath regen. Dispersed hunting camp within stand. Tin Cup Spring Route runs along the eastern edge of stand.																																											
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<b>201</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	59.8	27	51-80	N/A	Stand treated with timber sale # "63-022-94-01", "Vulture Nest Aspen/Oak".																																											
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<b>204</b>	4130 - Aspen	Poletimber Well	13.3	49	111-140	N/A	Stand treated in 1973.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**209** 4126 - White, Black, N. Pin Oak Sawtimber Well 26.3 108 111-140 N/A Tin Cup Spring ORV Trail and Route run through stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	40	Log/Pole	14	108	White Pine	Medium	10 - 20 feet	Sapling
White Pine	15	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	5	Log/Pole	10		Black Cherry	Low	< 5 feet	Sapling
White Oak	30	Log/Pole	12					
Red Maple	10	Pole/Log	8					

**211** 4131 - Aspen, Oak Sapling Well 13.6 26 51-80 N/A Stand treated in 1996 with timber sale # "63-033-94-01", "Indian Pipes Aspen/Oak".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	15	Sapling	3		Witch Hazel	Medium	< 5 feet	Tall Shrub
Red Maple	5	Sapling/Pole	4					
Bigtooth Aspen	70	Sapling/Pole	4	26				
White Oak	10	Sapling	2					

**214** 4130 - Aspen Poletimber Well 10.9 37 51-80 N/A Stand treated timber sale # "63-033-85-01".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	75	Pole/Sapling	6	37	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Maple	10	Pole/Sapling	6		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Oak	5	Sapling	4					
Red Oak	10	Sapling/Pole	4					

**215** 4319 - Mixed Upland Forest Poletimber Well 39.3 28 51-80 N/A Stand treated timber sale #63-010-94-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Pole/Sapling	6		White Pine	High	5 - 10 feet	Sapling
Red Maple	30	Pole/Sapling	6		Jack Pine	Low	< 5 feet	Sapling
White Pine	50	Pole/Sap/Log	6	28	Black Cherry	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	5	Log/Pole	10					

**216** 6229 - Mixed lowland shrub Nonstocked 148.9 Unspecified No

**217** 330 - Low-Density Trees Nonstocked 18.1 0 Unspecified 4199 - Other Mixed Upland Deciduous Stand was cut in Winter 2018 as part of "Gravel Pit Oak", sale # "63-022-14-01".

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	>20 feet	Log
White Oak	Low	>20 feet	Log



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**218** 6132 - Mixed Lowland Forest with Cedar Sawtimber Well 47.6 58 81-110 N/A Lowland hardwoods with cedar/hemlock ridges.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Log/XLog	16		Musclewood/Hornbeam	Low	5 - 10 feet	Tall Shrub
Hemlock	20	Log/Pole	10					
Bigtooth Aspen	35	Log/Pole	10	58				
Red Oak	5	Log	14					
Northern White Cedar	20	Pole/Log	9					
White Pine	5	Log/Pole/XLog	14					
Red Maple	10	Pole/Log	8					

**219** 4131 - Aspen, Oak Sawtimber Well 2.5 65 81-110 N/A Leave for wildlife.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	10	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	25	Log/Pole	14		White Oak	Low	< 5 feet	Sapling
Red Maple	15	Log/Pole	10					
Bigtooth Aspen	50	Log/Pole	10	65				

**220** 4199 - Other Mixed Upland Deciduous Poletimber Well 18.8 28 1-50 N/A Stand treated timber sale #63-033-94-01, "Indian Pipes Aspen/Oak". Oak seed trees left behind.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling/Pole	4		Black Cherry	Low	5 - 10 feet	Sapling
White Oak	10	Pole/Sap/Log	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	15	Sapling/Pole	4					
Black/Red (Hybrid) Oak	45	Pole/Sap/Log	6	28				
White Pine	15	Pole/Sap/Log	6					

**221** 4139 - Aspen, Mixed Deciduous Poletimber Well 21.0 36 51-80 N/A Stand treated timber sale #63-034-85-01, "Turkey Squawk".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	15	Sapling	4					
Red Maple	25	Pole/Sapling	6					
Bigtooth Aspen	50	Pole/Sapling	6	36				

**222** 4131 - Aspen, Oak Poletimber Well 11.9 37 81-110 N/A Stand treated timber sale #63-010-85-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	15	Sapling/Pole	4		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Red Maple	20	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	10	Sapling/Pole	3		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	55	Pole/Sapling	6	37				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
<b>223</b>	4131 - Aspen, Oak	Sapling Well	40.6	26	51-80	N/A	Stand treated timber sale #63-020-94-01. Tin Cup Spring Trails runs along western edge of stand.																																																											
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<b>224</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	40.6	120	51-80	N/A	Stand treated in habitat cut however, paperwork could not be found. Cattails.																																																											
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<b>226</b>	42200 - Natural White Pine	Poletimber Well	3.8	48	51-80	N/A	Stand treated in 1997 with timber sale # "63-018-94-01", "R.O.W. Oak". Tin Cup Spring Trail and Route run through stand.																																																											
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<b>227</b>	4131 - Aspen, Oak	Sapling Medium	15.3	15	Immature	N/A	Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX". Good aspen and oak regeneration.																																																											
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<b>228</b>	4310 - Pine, Oak Mix	Poletimber Well	2.5	60	111-140	N/A																																																												
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<b>229</b>	3105 - Mixed Upland Herbaceous	Nonstocked	3.7		Unspecified	Managed Opening	Mixed Herbaceous and clover																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>230</b>	4131 - Aspen, Oak	Poletimber Well	10.7	38	51-80	N/A	Stand treated timber sale #63-028-83-01, "Aspen Wedge Sale".		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black/Red (Hybrid) Oak		20	Sapling/Pole	4		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Maple		20	Pole/Sapling	6					
White Oak		10	Sapling/Pole	3					
Bigtooth Aspen		50	Pole/Sapling	6	38				
<b>234</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	26.3	28	51-80	N/A	Stand treated timber sale #63-013-94-01. Treated in 1994.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Cherry		20	Sapling/Pole	4		Black Cherry	Medium	< 5 feet	Sapling
Bigtooth Aspen		45	Sapling/Pole	5	28	Witch Hazel	Low	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak		15	Sapling	3		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
White Pine		10	Pole/Log	9					
Red Maple		10	Sapling/Pole	4	28				
<b>237</b>	4131 - Aspen, Oak	Poletimber Well	22.2	54	51-80	N/A	Do not treat - keep for age class and species diversity. Nice upland stand amongst the lowland areas.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Pine		5	Log/Pole/XLog	12		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Maple		20	Pole/Log	8		White Pine	Low	< 5 feet	Sapling
Bigtooth Aspen		55	Pole/Log	8	54	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Oak		5	Log/Pole	12		Red Maple	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		15	Log/Pole	14	110				
<b>240</b>	6230 - Cattail	Nonstocked	41.1		Unspecified	No	Old gas well exploration site to north of stand. Cattails with tag alder, cedar, and white pine.		
<b>243</b>	4131 - Aspen, Oak	Poletimber Well	33.9	47	111-140	N/A	Habitat cut in 1975 per FTP #W-262. Tin Cup Spring Trail and Route run through stand.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		5	Pole	7		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Bigtooth Aspen		55	Pole/Sap/Log	7	47	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Pine		5	Pole/Sap/Log	7		Black Cherry	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		25	Pole/Sapling	5		Sassafras	Low	5 - 10 feet	Sapling
White Oak		10	Pole/Sapling	5		White Oak	Medium	< 5 feet	Sapling
<b>244</b>	4124 - Red with White Oak	Sawtimber Poor	6.7	102	1-50	N/A	Stand was treated in Fall 2016/Winter 2017 with sale # "63-002-14-01", "Southeast 20"		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black/Red (Hybrid) Oak		10	Pole/Log	8		Black Cherry	Low	5 - 10 feet	Sapling
White Pine		5	Pole	5		Bigtooth Aspen	Medium	5 - 10 feet	Sapling
White Oak		20	Pole/Log	10		White Pine	Low	10 - 20 feet	Sapling
Red Oak		65	Log/Pole	12	102	Red Maple	Low	5 - 10 feet	Sapling
						Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**247** 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 12.8 95 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	45	Log/Pole	14	95
Red Maple	10	Pole/Log	8	
Paper Birch	5	Pole	8	
Northern White Cedar	20	Log/Pole	10	
White Pine	20	XLog/Log	20	

**248** 6120 - Lowland Cedar Poletimber Medium 8.2 90 Unspecified N/A

**249** 4131 - Aspen, Oak Sapling Well 13.1 25 51-80 N/A

Stand treated timber sale #63-205-97-01. Excellent oak single-stem regeneration especially along eastern edge of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Sapling/Pole	4	
Black/Red (Hybrid) Oak	20	Sapling	3	
White Pine	15	Pole/Sapling	5	
Bigtooth Aspen	60	Sapling/Pole	3	25

**252** 3105 - Mixed Upland Herbaceous Nonstocked 5.2 Unspecified Managed Opening Mixed Herbaceous and clover

**253** 4131 - Aspen, Oak Sapling Well 16.1 27 51-80 N/A

Stand treated timber sale #63-024-94-01, "Toppings Treat Oak & Aspen". Good amount of oak saplings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Sapling	3		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	20	Sapling	3					
Bigtooth Aspen	70	Sapling/Pole	4	27				
White Pine	5	Pole/Sapling	6					

**255** 4199 - Other Mixed Upland Deciduous Sawtimber Well 12.4 72 81-110 N/A

Stand was unable to be cut with adjacent sale "East Meets West", due to stream crossing.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	35	Log/Pole	10	72	White Pine	Medium	< 5 feet	Sapling
White Pine	15	Log/Pole/XLog	12		Black Cherry	Medium	< 5 feet	Sapling
Red Maple	20	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	10	Log/Pole	10		Musclewood/Hornbeam	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	20	Log/Pole	12		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**256**      4126 - White, Black, N. Pin Oak      Poletimber Poor      33.4      114      1-50      N/A      Stand was treated in Fall 2016/Winter 2017 with sale # "63-002-14-01", "Southeast 20"

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole	6		Bigtooth Aspen	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	65	Pole/Log	9	114	Red Maple	Low	5 - 10 feet	Sapling
White Oak	30	Pole/Log	8		White Pine	Low	10 - 20 feet	Sapling
					Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
					Black Cherry	Low	< 5 feet	Sapling
					White Oak	Low	< 5 feet	Sapling

**257**      4131 - Aspen, Oak      Sawtimber Well      25.3      78      111-140      N/A      Stand within 150' buffer of N. Cole Creek. Steep slopes.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	7		White Pine	Medium	< 5 feet	Sapling
White Oak	15	Pole/Log	9		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	40	Pole/Log	10	78				
White Pine	5	Pole/Log	9					
Red Pine	5	Pole/Log	8					
Black/Red (Hybrid) Oak	20	Pole/Log	12					

**258**      4130 - Aspen      Sapling Well      11.2      15      Immature      N/A      Stand treated in 2007 with timber sale # "63-002-05-01", "Prolo IX".

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	15	Sapling	1	
Black/Red (Hybrid) Oak	5	Sapling	1	
Bigtooth Aspen	80	Sapling	2	15

**260**      330 - Low-Density Trees      Nonstocked      36.6      0      Unspecified      613 - Lowland Mixed Forest      Stand was treated in Fall 2020 with timber sale # "63-005-14", "East Meets West".

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	>20 feet	Pole
Red Maple	Low	5 - 10 feet	Sapling
Northern White Cedar	Low	>20 feet	Pole
Bigtooth Aspen	Medium	5 - 10 feet	Sapling
White Oak	Low	>20 feet	Log
White Pine	Low	>20 feet	Log

**261**      500 - Water      Nonstocked      7.2           Unspecified      No      Big Spring. Tag alder with cattails and scattered white pine pulp.

**262**      4133 - Aspen, Mixed Pine      Poletimber Well      17.3      27      51-80      N/A      Stand treated timber sale #63-024-94-01, "Topping's Treat Oak/Aspen". Treated 1995. Occasional scattered jack pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Pole/Log	8		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	65	Sapling/Pole	5	27	White Pine	Low	< 5 feet	Sapling
White Oak	15	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**266** 42310 - Planted Spruce Poletimber Well 1.7 42 1-50 N/A Planted spruce.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	15	Pole/Sapling	5	
White Spruce	80	Pole/Sapling	5	42
Red Maple	5	Pole/Sapling	5	

**267** 4126 - White, Black, N. Pin Oak Sawtimber Poor 22.3 115 1-50 N/A Stand was treated in Fall 2016/Winter 2017 with sale # "63-002-14-01", "Southeast 20"

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Pole/Log	8		White Pine	High	10 - 20 feet	Sapling
White Oak	25	Pole/Log	8		Black Cherry	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	35	Pole/Log	9	115	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Pine	15	Pole/Log	8		Maple Leaved Viburnum	Low	< 5 feet	Tall Shrub
Red Maple	15	Pole	7					

**269** 4131 - Aspen, Oak Sawtimber Well 5.2 63 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	25	Log/Pole	14	107	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	40	Log/Pole	10	63				
White Oak	15	Log/Pole	12					
Red Maple	20	Log/Pole	10					

**270** 3105 - Mixed Upland Herbaceous Nonstocked 4.4 Unspecified Managed Opening Mixed Herbaceous and clover

**273** 330 - Low-Density Trees Nonstocked 4.5 0 Unspecified 4121 - Oak, Aspen Stand was treated in Fall 2016/Winter 2017 with sale # "63-002-14-01", "Southeast 20"

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	>20 feet	Log
White Oak	Low	>20 feet	Log
Red Pine	Low	>20 feet	Log

**274** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 11.7 95 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	15	Log/XLog/Pole	16	
Hemlock	20	Log/Pole	10	
Paper Birch	5	Pole	8	
Northern White Cedar	45	Pole/Log	8	95
Red Maple	15	Log/Pole	14	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>276</b>	4133 - Aspen, Mixed Pine	Sawtimber Well	15.1	55	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black/Red (Hybrid) Oak		5	Log/Pole	12		White Pine	Medium	10 - 20 feet	Sapling
Bigtooth Aspen		55	Log/Pole	10	55	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine		25	Log/Pole/XLog	12					
Red Maple		15	Log/Pole	10					
<b>278</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	17.2	27	51-80	N/A	Stand treated timber sale # "63-024-94-01", "Topping's Treat Oak/Aspen".		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Bigtooth Aspen		50	Sapling/Pole	4	27				
White Pine		10	Log/Pole	10					
Black/Red (Hybrid) Oak		15	Sapling	3					
Red Maple		25	Sapling/Pole	4					
<b>279</b>	4122 - Oak, Pine	Sawtimber Poor	8.1	117	1-50	N/A	Stand was treated in Fall 2016/Winter 2017 with sale # "63-002-14-01", "Southeast 20"		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Pole/Log	8		Black Cherry	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak		45	Log/Pole	10	117	White Pine	High	5 - 10 feet	Sapling
White Pine		15	Log/Pole	10		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Pine		15	Pole/Log	10					
White Oak		15	Log/Pole	10					
<b>280</b>	6127 - Lowland Pine	Sawtimber Well	3.3	110	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		20	Log/Pole	10		Red Maple	Medium	10 - 20 feet	Sapling
Red Pine		5	Log/XLog	14		Musclewood/Hornbeam	Low	10 - 20 feet	Tall Shrub
Bigtooth Aspen		5	Log/Pole	10		White Pine	Medium	10 - 20 feet	Sapling
White Pine		70	XLog/Log/Pole	18	110	Leatherleaf	Medium	5 - 10 feet	Tall Shrub
<b>281</b>	4133 - Aspen, Mixed Pine	Poletimber Well	7.1	38	81-110	N/A	Stand treated timber sale #63-002-94-01, "Below B.S. Ridge". Multi-part stand due to regeneration of species be un-equal throughout treatment area.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Cherry		5	Pole	8		Black Cherry	Low	10 - 20 feet	Sapling
Red Maple		10	Pole/Sapling	6		White Pine	High	10 - 20 feet	Sapling
White Pine		35	Pole	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen		50	Pole/Sapling	6	38	White Oak	Low	< 5 feet	Sapling
						Red Maple	Low	< 5 feet	Sapling
<b>282</b>	42200 - Natural White Pine	Poletimber Well	4.8	38	111-140	N/A	Stand treated timber sale #63-002-84-01, "Below B.S. Ridge". Previously an aspen stand but white pine took over after treatment.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Bigtooth Aspen		15	Pole/Sapling	6		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Pine		85	Pole/Sapling	6	38				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
<b>283</b>	4133 - Aspen, Mixed Pine	Poletimber Well	27.7	45	81-110	N/A	Stand treated in sections between 1977-1979 per sales #1-77, 3-77, 3-79-A, 9-79.																																																						
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<b>284</b>	6230 - Cattail	Nonstocked	1.6		Unspecified	No																																																							
<b>285</b>	4126 - White, Black, N. Pin Oak	Sawtimber Well	20.0	92	81-110	N/A	Stand surrounds previous clearcut zone. Some oak seedlings/saplings along edges with clearcut where they are open to sunlight. Few scattered red pine up to 12" DBH in stand.																																																						
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<b>288</b>	4126 - White, Black, N. Pin Oak	Sawtimber Poor	15.6	115	1-50	N/A	Stand was treated in Fall 2016/Winter 2017 with sale # "63-002-14-01", "Southeast 20"																																																						
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<b>289</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	20.3	92	81-110	N/A	Hemlock/Cedar stand with occasional beech, yellow birch, white birch, and sugar maple. Tin Cup Spring Route runs through stand.																																																						
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<b>290</b>	3105 - Mixed Upland Herbaceous	Nonstocked	0.3		Unspecified	Managed Opening	Mixed Herbaceous and clover																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**291**      330 - Low-Density Trees      Nonstocked      29.0      0      Unspecified      4121 - Oak, Aspen      Stand was treated in Fall 2016/Winter 2017 with sale # "63-002-14-01", "Southeast 20"

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
White Oak	Low	>20 feet	Pole
White Pine	Trace	>20 feet	Pole
Black/Red (Hybrid) Oak	Low	>20 feet	Log
White Oak	Low	< 5 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
Black Cherry	Low	5 - 10 feet	Sapling

**292**      4126 - White, Black, N. Pin Oak      Sawtimber Well      26.3      115      111-140      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Log/Pole	12		White Pine	High	10 - 20 feet	Sapling
Red Oak	5	Log/Pole	14		Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	35	Log/Pole	14	115	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Pine	20	Pole/Log	8		Black Cherry	Medium	< 5 feet	Sapling
Bigtooth Aspen	5	Log/Pole	10		White Oak	Low	5 - 10 feet	Sapling
Red Maple	15	Pole/Log	8					

**294**      330 - Low-Density Trees      Nonstocked      22.4      0      Unspecified      4319 - Mixed Upland Forest      Stand was treated in Spring 2018 sale #, "63-039-14", "Trifecta".

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	>20 feet	Log
Black/Red (Hybrid) Oak	Low	>20 feet	Log