



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63016

Entry Year 2023

Acreage: 2,142

County Lake

Management Area: Lake County Outwash

Revision Date: 2021-06-17

Stand Examiner: Ryan Adamczyk

Legal Description:

T19N R12W Sections 21, 22, 28, 33, 34

Identified Planning Goals:

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

Soil and topography:

Grayling-Graycalm, Tawas-Croswell-Lupton. The Baldwin-Luther swamp area is mostly flat with scattered fingers of higher ground. There are some hilly areas on the swamp edge.

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

Predominantly state ownership. The state land is generally in large blocks. Private ownership is mostly hunting-type land. Disposal of an isolated 35 acres in SESE of Sec. 22 is recommended unless private ownership surrounding parcel could be obtained. Private blocks in Sections 22, 28, and 33 should be acquired to block in ownership if they become available. If possible, legal access from King's Highway to the state land in Section 28 should be pursued.

Unique Natural Features:

Broad moraine ridges, few kettle lakes, somewhat excessively drained sand. Eastern Massasauga rattlesnake recorded in NW1/4 Sec. 28. Wood turtle, bald eagle, loon, W. karnar blue butterfly, dusted skipper, ottoe skipper, great plains spittlebug, spotted turtle, and box turtle in vicinity. Hill's thistle throughout vicinity. Potential for secretive locust, ebony boghaunter, blanding's turtle, osprey, Alleghany plum, Missouri rock cress, calypso and ram's head lady slipper.

Archeological, Historical, and Cultural Features:

Areas within this compartment are old hay fields from the early 1900s. At one time there were numerous shingle and saw mills surrounding the swamp, however there is no evidence of these mills today. On occasion the sites of old trappers' cabins can still be found around the swamp edge.

Special Management Designations or Considerations:

This area is isolated and rather inaccessible so visual management is not much of a constraint except near 3 Mile Road and the recreational trails. The Baldwin River is covered under the Pere Marquette Natural River zoning laws. The streams and their headwaters will be protected and their integrity maintained.

Watershed and Fisheries Considerations:

The Baldwin River and several of its tributaries flow through Compartment 16. All are Designated Trout Streams. The upper Baldwin has naturally reproducing populations of resident brown and brook trout, as well as naturally reproducing populations of migratory rainbow trout (steelhead), coho salmon, and chinook salmon. BMPs should be followed when working around any of these streams and appropriate buffers should be maintained.

Wildlife Habitat Considerations:

Featured wildlife species in this Management Area are diverse reflecting the wide range of habitat types present. Featured Species for the MA include two which are not much of a focus in this compartment, Mallard and Woodduck. More applicable are American Martin, American Woodcock, Beaver, Black Bear, Eastern Massasauga rattlesnake, Golden-winged warbler, Pileated woodpecker, Red-headed woodpecker, Ruffed Grouse, Snowshoe Hare, Wild Turkey, and White

Tailed deer. Most of these species benefit from young forest and open types while some require some old trees for foraging and nest/den sites. Maintaining the opening types and balancing harvests with a diverse assortment of age classes in the timber types will meet the goals for these species. This compartment is part of an Eastern Massasauga rattlesnake management area which will require consideration when forest treatments are considered as well as other management actions.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the state. The nearest active sand/gravel pit is more than two miles to the northeast. The best potential for sand and gravel within the compartment appears to be in the east half of Section 34. There has been limited past oil and gas exploration and production in the immediate vicinity. There is some leasing activity three miles southeast, but oil and gas potential within the compartment is considered low at this time.

Vehicle Access:

Poor vehicle access in the compartment with no plans to improve access to the interior of the Baldwin-Luther swamp. 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.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

The Little Manistee Snowmobile/ORV route and motorcycle trail run through the northwest part of this compartment, providing year round recreation for motorized trail enthusiasts. Due to the inaccessibility to much of the area, most of the interior is used for hunting and trapping. These activities result in high seasonal dispersed camping use on the fringe of the Baldwin-Luther swamp.

Fire Protection:

This compartment is divided by the Baldwin River, making access with fire equipment a concern. Private property to the east side of the compartment is a urban interface issue. Most of the compartment is very wet.

Additional Compartment Information:

The following reports from the Inventory are attached:

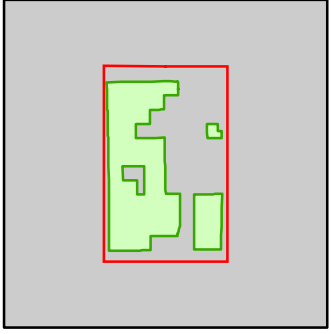
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

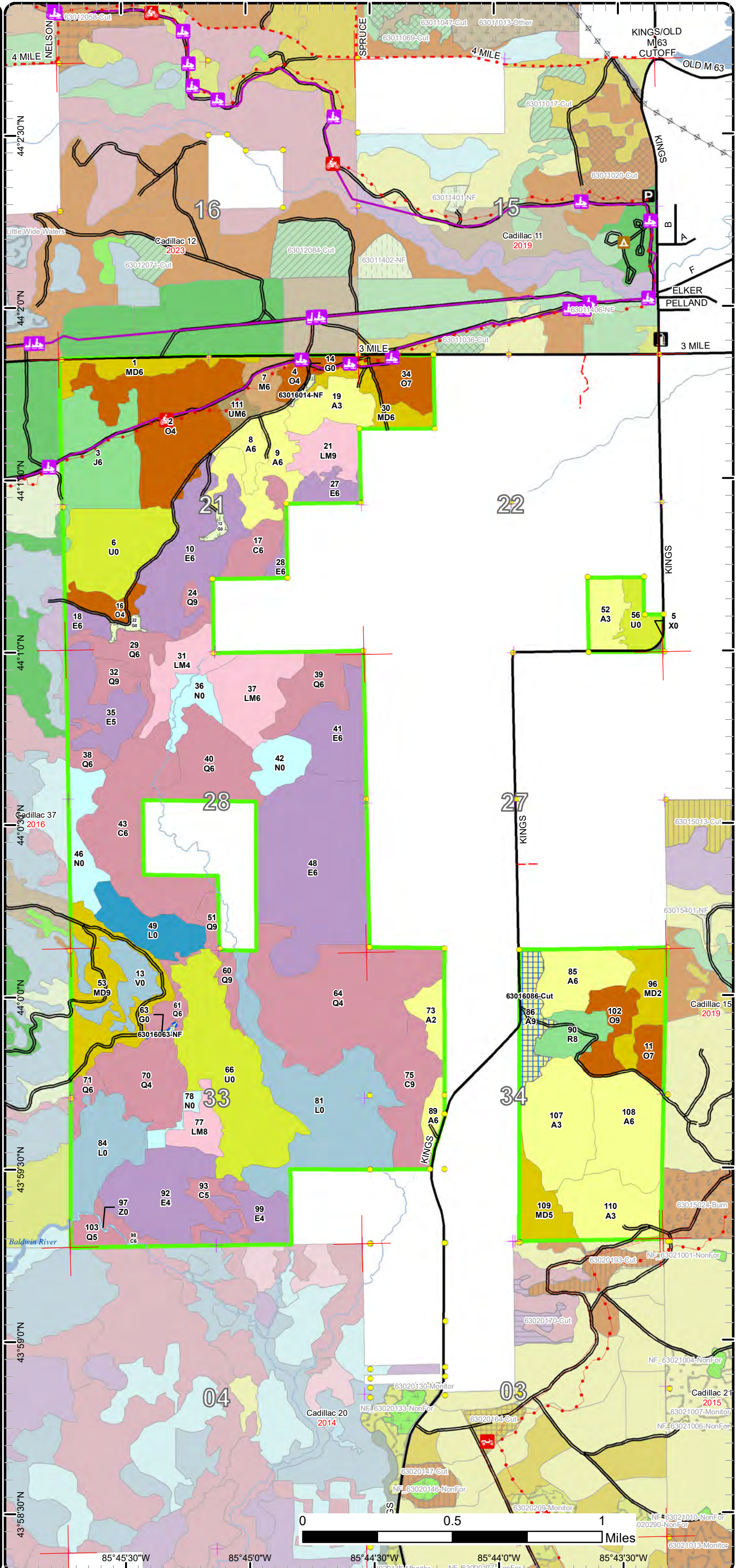
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 16
 T19N R12W Sec. 21, 22, 28, 33, 34
 County: Lake
 Unit: Cadillac
 Mgmt Area: Lake County Outwash
 YOE: 2023
 Acres: 2142.4 GIS Calculated
 Examiner: Ryan Adamczyk
 Map Revised: 6/28/2021
 Map Phase: Web-Post

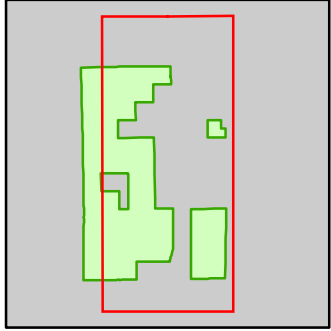


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Dirt Road (Seasonal)
- Motorcycle Trails (DNR License)
- ORV Routes
- Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Gas Station
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

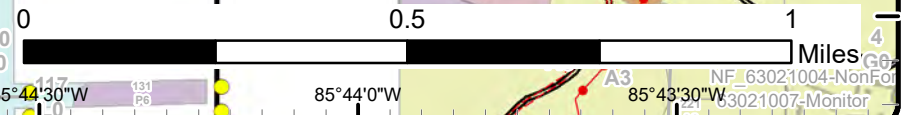
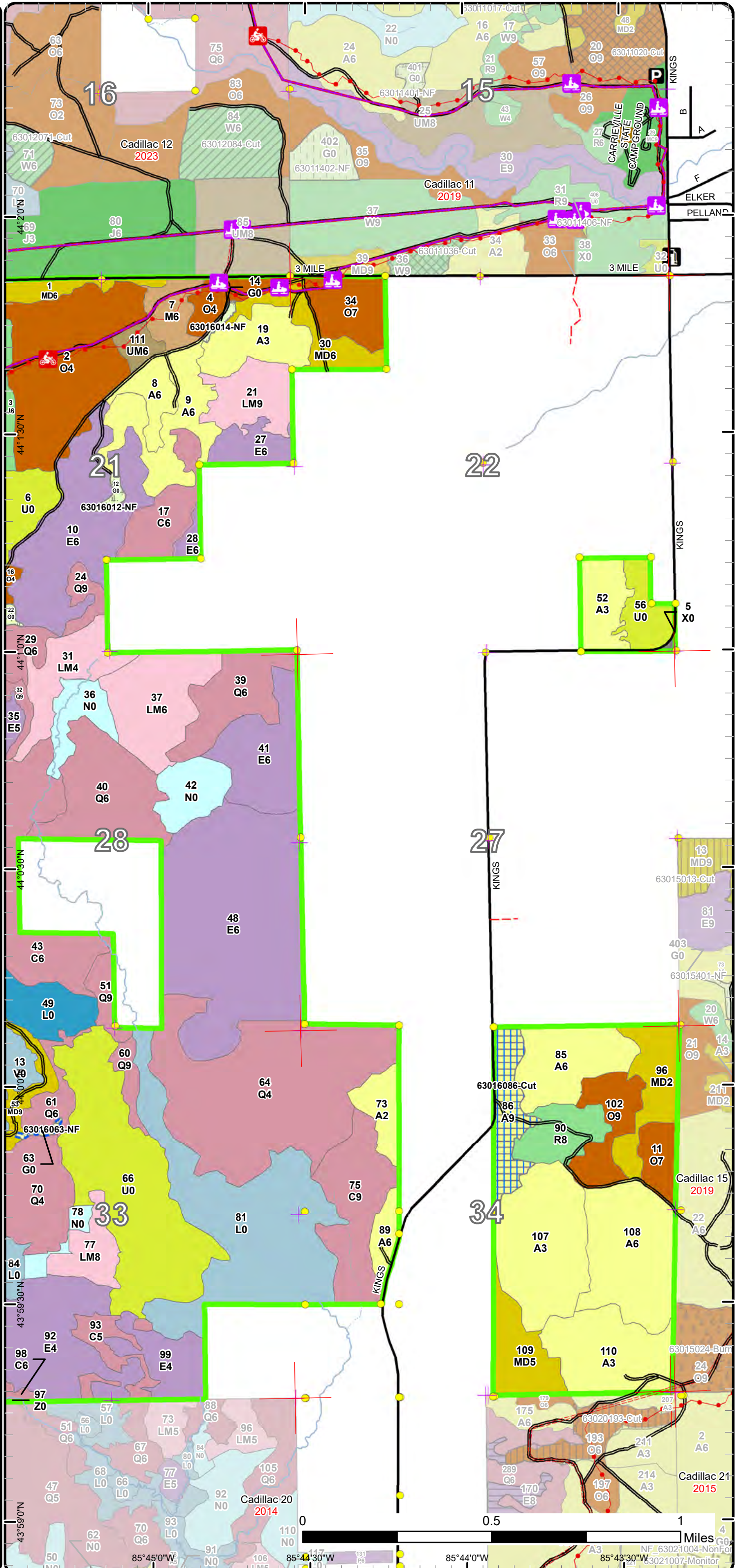


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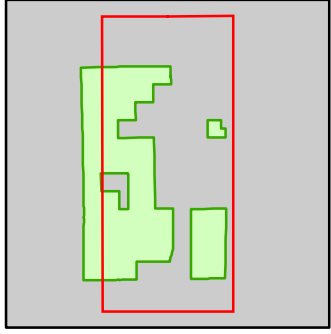


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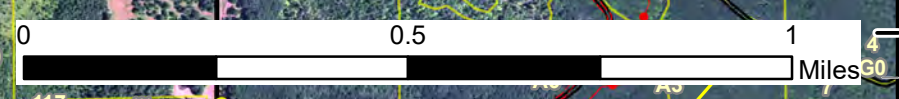
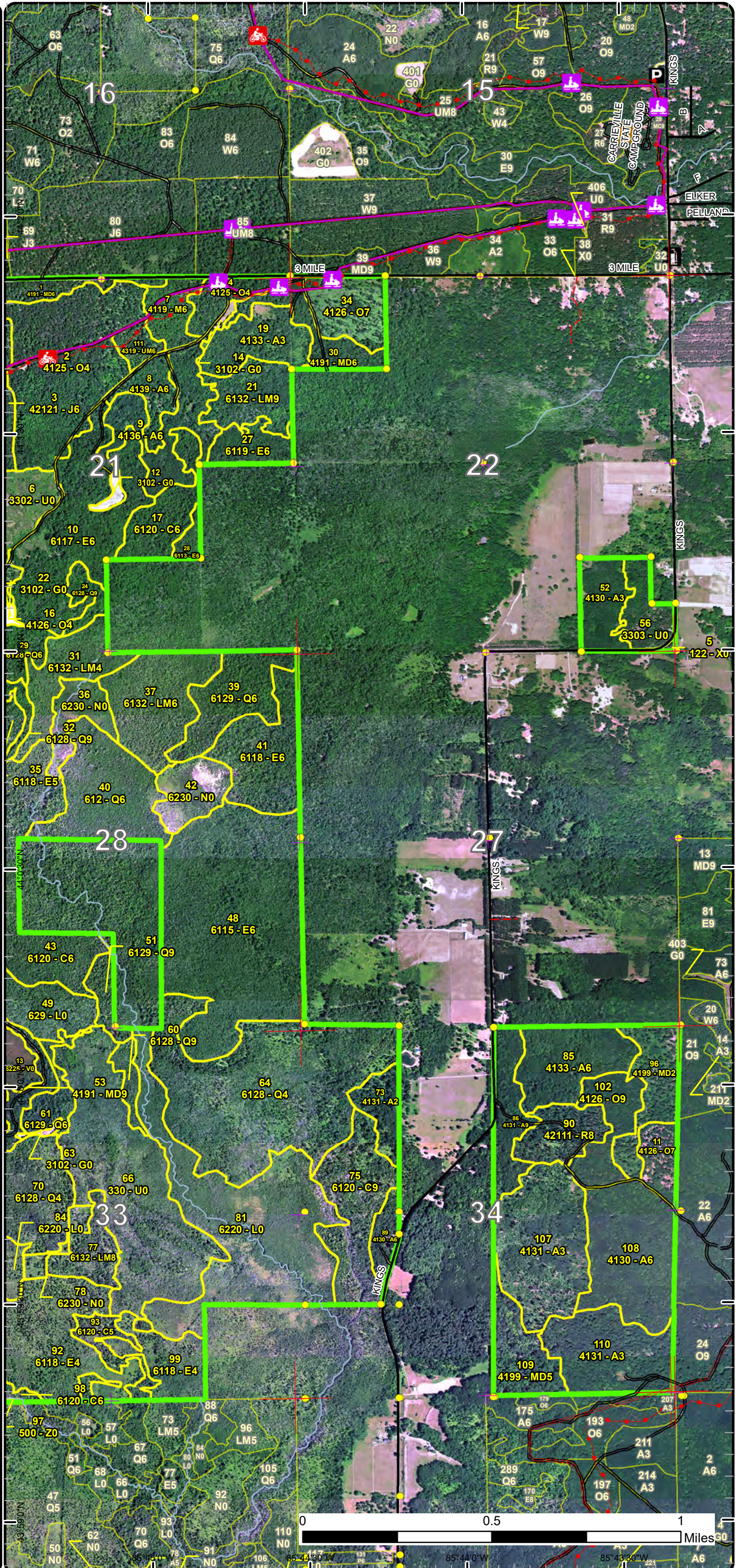


Stand Boundary Map

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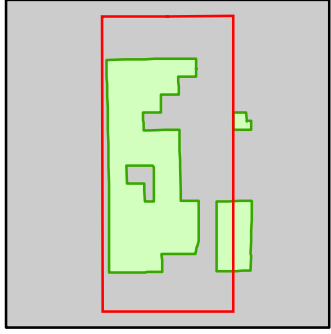
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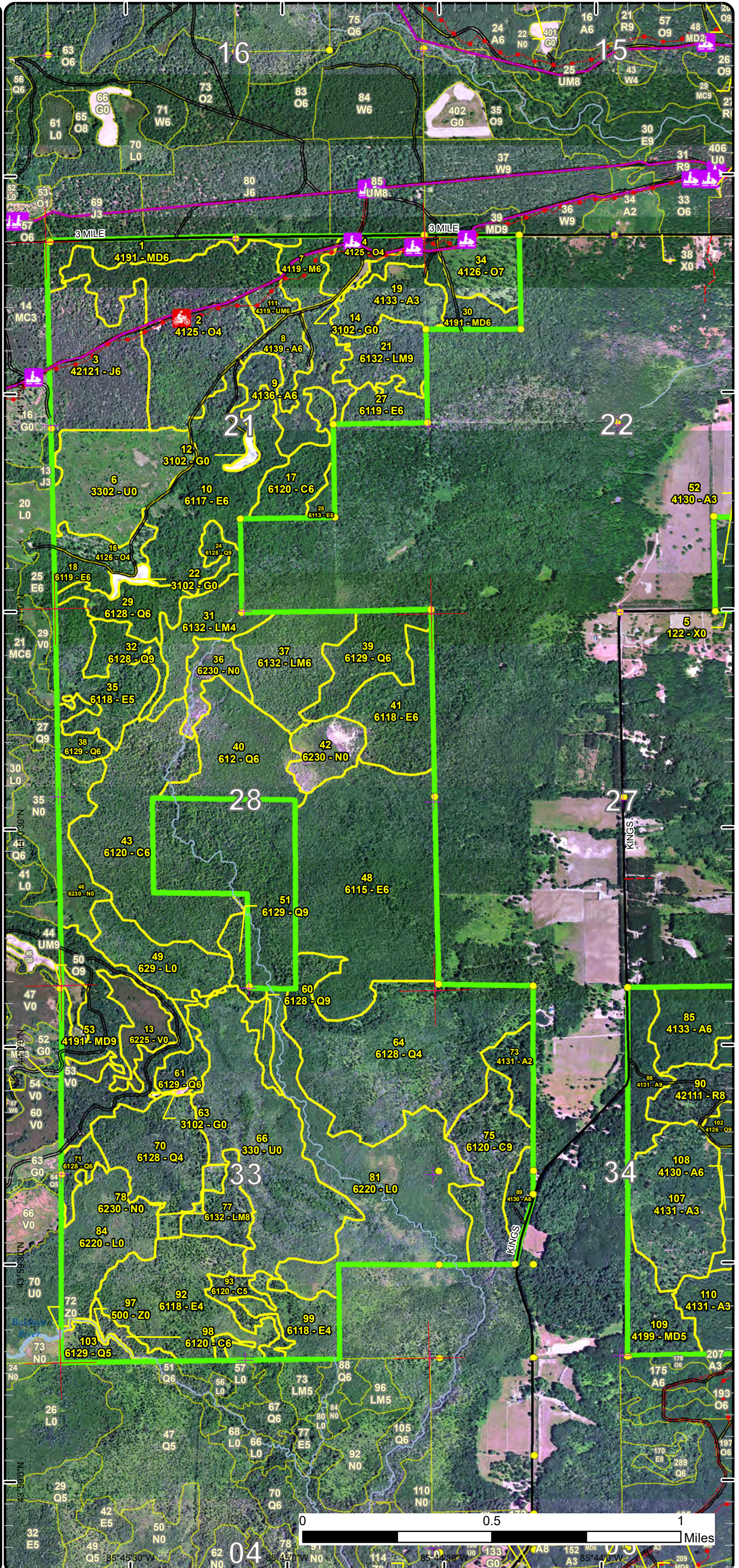
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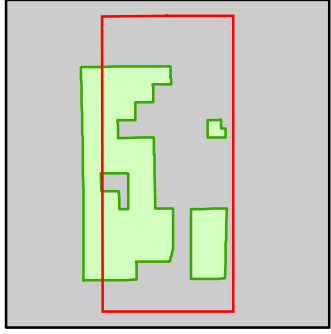


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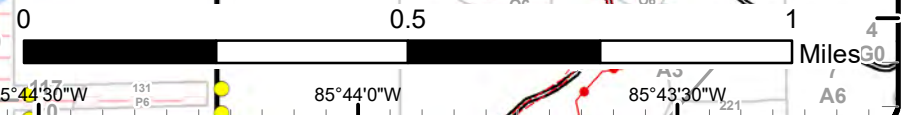
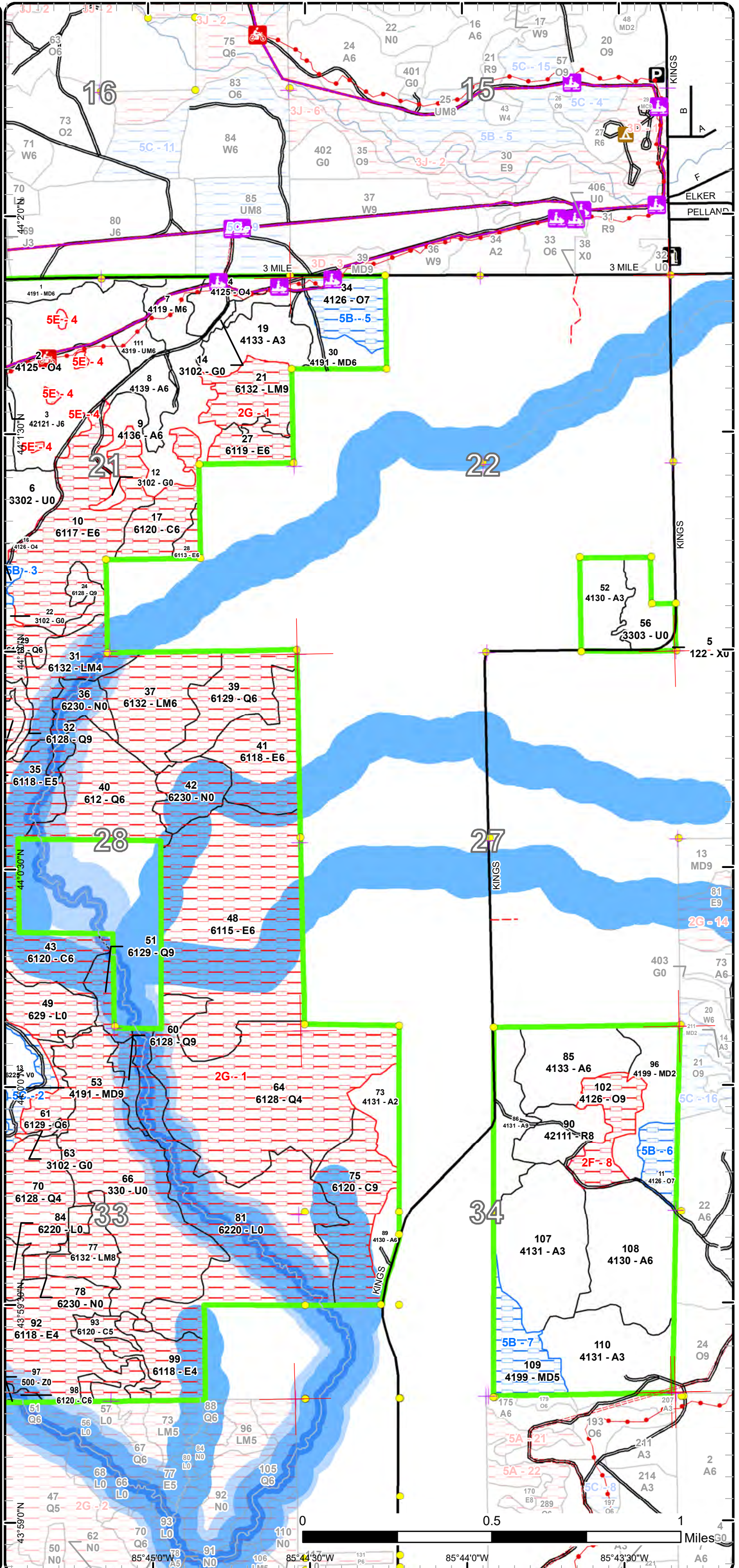


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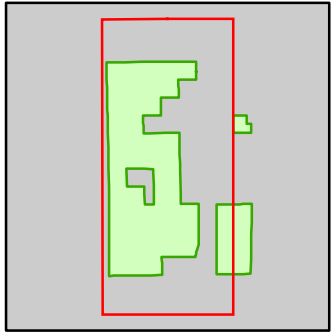


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- Parking Lot
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer

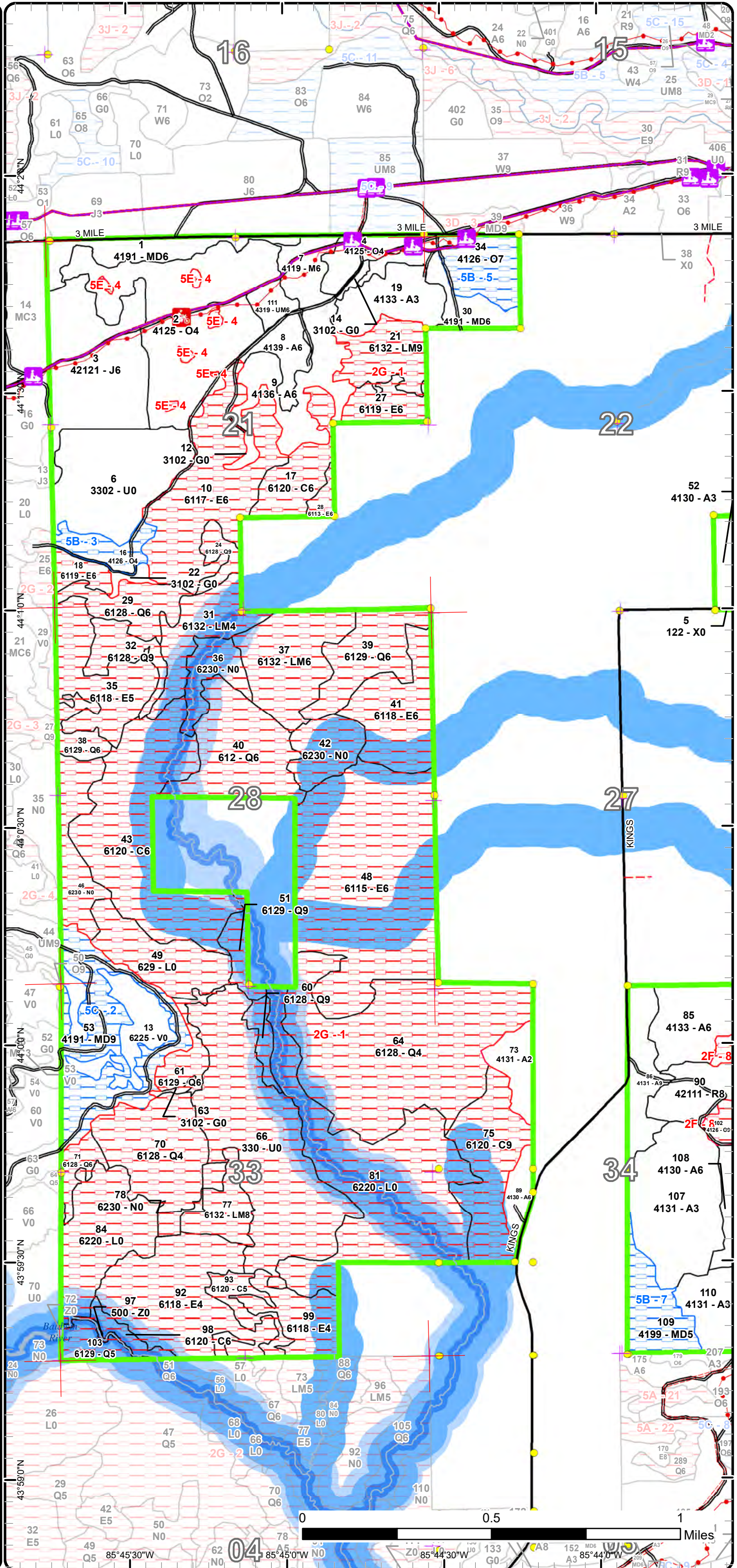


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Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	56	105	118	13	21	0	0	0	0	0	0	0	0	0	0	0	313
Bog	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Cedar	0	0	0	0	0	0	0	0	41	96	28	0	0	0	0	0	0	0	165
Herbaceous Openland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Jack Pine	0	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	60
Low-Density Trees	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	166
Lowland Conifers	0	0	0	0	0	0	0	0	38	16	153	45	72	11	0	0	0	0	335
Lowland Deciduous	0	0	0	0	0	0	0	0	298	21	62	0	0	0	0	0	0	0	381
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	79	0	25	0	0	0	0	0	0	104
Lowland Shrub	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176
Marsh	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Mixed Upland Deciduous	0	0	24	0	18	0	0	21	0	0	77	0	0	0	0	0	0	0	140
Northern Hardwood	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14
Oak	0	0	0	0	0	0	0	0	102	22	45	0	0	0	0	0	0	0	169
Red Pine	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	19
Upland Mixed Forest	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	440	0	80	112	136	74	35	21	498	234	365	70	72	11	0	0	0	0	2146



Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2023

Acres of Harvest

Compartment 16
Total Compartment Acres: 2,142

Commercial Harvest - 21
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		0	0	0	21	0	0	0	0	0	21
	Total	0	0	0	21	0	0	0	0	0	21

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		21	0	0	0	0	0	0	8		29
Next Step		0	0	0	0	0	21	0	0		21
	Total	21	0	0	0	0	21	0	8		50



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

12	63016012-NF	2.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Currently an annual foodplot. May move towards perennial cover type.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

14	63016014-NF	1.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Keep Open

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

22	63016022-NF	2.9	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Keep open

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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63	63016063-NF	1.1	3102 - Grass	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Keep Open.
Specs:
Next Step
Treatments:
Acceptable
Regen:
Other
Comment:
Site Condition Too Wet
Proposed Start Date: 10/1 /2022

86	63016086-Cut	21.3	4131 - Aspen, Oak	Sawtimber Well	55 111-140	Harvest	Seed Tree	4131 - Aspen, Oak	Even-Aged	No
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Prescription Cut all species. Green mark to leave a few high quality oaks per acre as retention.
Specs:
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable aspen, oak sp, red maple, white pine
Regen:
Other
Comment:
Site Condition
Proposed Start Date: 10/1 /2023

Total Treatment Acreage Proposed: 29.1

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk : Examiner

Compartment: 16
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions				
		With Condition				5B	5C	2F	2G	5E
312	312	0	0	0	Aspen					
24	24	0	0	0	Bog					
165	0	0	165	165	Cedar				165	
8	7	0	1	1	Herbaceous Openland				1	
61	61	0	0	0	Jack Pine					
166	69	0	97	97	Low-Density Trees				97	
333	0	0	333	333	Lowland Conifers				333	
381	0	0	381	381	Lowland Deciduous				381	
104	0	0	104	104	Lowland Mixed Forest				104	
176	0	0	176	176	Lowland Shrub				176	
62	0	0	62	62	Marsh				62	
140	63	77	0	0	Mixed Upland Deciduous	23	54			
14	14	0	0	0	Northern Hardwood					
169	98	46	24	24	Oak	46		21		4
19	19	0	0	0	Red Pine					
7	7	0	0	0	Upland Mixed Forest					
1	1	0	0	0	Urban					
2	0	0	2	2	Water				2	
2,143	673	123	1,346	1,346	Total Forested Acres	69	54	21	1,322	4
	31%	6%	63%		Relative Percent					

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1,322	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit

Compartment: 16

Ryan Adamczyk : Examiner

Year of Entry: 2023

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	54	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5B: Maintain for regeneration purposes	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2F: Too steep	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	20.8	64	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	50	Pole/Sap/Log	8	64
Jack Pine	35	Sapling/Pole	6	36
Black Cherry	15	Sapling/Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	Sapling
Jack Pine	Low	5 - 10 feet	Sapling

2	4125 - Black, N. Pin Oak	Poletimber Poor	89.6	70	1-50	N/A	Stand was treated in fall 2016 with sale # "63-038-13-01", "Too Many Trails".
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	90	Log/Pole	12	70
Red Maple	5	Log/Pole	10	
White Oak	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Bigtooth Aspen	Low	5 - 10 feet	Sapling

3	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	60.5	44	111-140	N/A	Commercial clearcut 1974. Trenched with roller chopper and chains 1977. ORV Route and Trail run through stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	6	
Black/Red (Hybrid) Oak	15	Pole/Sapling	5	
Jack Pine	70	Pole/Sapling	6	44
Black Cherry	5	Pole/Sapling	5	
White Oak	5	Pole/Sapling	5	

4	4125 - Black, N. Pin Oak	Poletimber Poor	12.4	70	1-50	N/A	Stand was treated in fall 2016 with sale # "63-038-13-01", "Too Many Trails".
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	85	Pole/Log	8	70
Red Maple	5	Log/Pole	10	
White Oak	5	Pole/Log	8	
Jack Pine	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Bigtooth Aspen	Low	5 - 10 feet	Sapling

5	122 - Road/Parking Lot	Nonstocked	1.1		Unspecified	No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	3302 - Low Density Conifer Trees	Nonstocked	53.8		Unspecified	42221 - Natural Jack Pine, Mixed Deciduous	Stand treated timber sale #63-029-04-01, "Gary's Soggy Boots", in 2007. Portions of sale direct seeded with jack pine on 3/28/2008 (northern edge and eastern/southeastern edges).
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Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Black Cherry	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	Low	10 - 20 feet	Sapling
White Pine	Low	>20 feet	Pole
Black/Red (Hybrid) Oak	Trace	>20 feet	Log
Jack Pine	Medium	5 - 10 feet	Sapling

7	4119 - Mixed Northern Hardwoods	Poletimber Well	13.6	53	81-110	N/A	Stand treated 1994-1995, sale #63-210-93-01. ORV Route and Trail run through stand. White pine heavier to the north.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	65	Pole/Log	8	53
Bigtooth Aspen	10	Pole	6	26
Black/Red (Hybrid) Oak	10	Pole/Log	9	
White Pine	5	Pole/Log	8	
Jack Pine	10	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	Low	< 5 feet	Seeding

8	4139 - Aspen, Mixed Deciduous	Poletimber Well	13.0	42	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Pole	6	
Red Oak	10	Pole	5	
Bigtooth Aspen	50	Pole	6	42
White Pine	5	Pole/Log	9	
Jack Pine	10	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	Sapling
White Pine	Low	< 5 feet	Sapling

9	4136 - Aspen, Mixed Conifer	Poletimber Well	33.0	39	51-80	N/A	Stand appears to have been cut in the early 1980's but old records do not have maps to accurately delineate boundaries. Some lowland areas throughout stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole/Sapling	6	
Black/Red (Hybrid) Oak	15	Pole/Sapling	6	
Bigtooth Aspen	45	Pole	6	39
Northern White Cedar	5	Pole/Log	8	
Hemlock	15	Pole/Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	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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10 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 68.4 74 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	37	Pole/Log	8	74	Red Maple	Low	< 5 feet	Sapling
Paper Birch	5	Pole	6		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	20	Pole/Log	8		White Pine	Low	< 5 feet	Sapling
White Pine	20	Pole/Log	12		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Pine	10	Pole/Log	10					
Black/Red (Hybrid) Oak	8	Log/Pole	12					

11 4126 - White, Black, N. Pin Oak Sawtimber Poor 11.7 92 1-50 N/A Stand treated timber sale #63-039-13-01, "King's Mix".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Pole/Log	9		White Pine	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	73	Log/Pole	10	92	Red Pine	Low	< 5 feet	Sapling
White Pine	2	Pole/Log	7		Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Red Pine	5	Log/Pole	10		Red Maple	Low	5 - 10 feet	Sapling
					White Oak	Low	< 5 feet	Sapling
					Black Cherry	Low	5 - 10 feet	Sapling

12 3102 - Grass Nonstocked 2.3 Unspecified Managed Opening Managed wildlife opening

13 6225 - Bog Nonstocked 24.0 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Full	< 5 feet	Tall Shrub
White Pine	Low	10 - 20 feet	Sapling

14 3102 - Grass Nonstocked 1.5 Unspecified Managed Opening Managed wildlife opening

16 4126 - White, Black, N. Pin Oak Poletimber Poor 12.1 94 1-50 N/A Stand treated timber sale #63-041-13-01, "Bear Bait".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7		White Pine	Medium	5 - 10 feet	Sapling
White Oak	25	Pole/Log	8		Witch Hazel	Low	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	50	Log/Pole	10	94	Red Maple	Low	5 - 10 feet	Sapling
White Pine	5	Pole/Log	8		Jack Pine	Medium	< 5 feet	Sapling
Jack Pine	5	Pole/Log	8		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17 6120 - Lowland Cedar Poletimber Well 21.8 92 201+ N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Log	6	
Bigtooth Aspen	10	Pole/Log	7	
Northern White Cedar	55	Pole/Log	8	92
White Pine	15	Pole/Log	9	
Hemlock	15	Pole	7	

18 6119 - Mixed Lowland Deciduous Forest Poletimber Well 7.9 72 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	45	Log/Pole	10	72	Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Pine	15	Pole/Log	9		Musclewood/Hornbeam	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	25	Log/Pole	10					
Black/Red (Hybrid) Oak	15	Pole/Log	9					

19 4133 - Aspen, Mixed Pine Sapling Well 24.0 24 81-110 N/A

Stand was treated in Fall 1996 as part of sale # "63-045-94", "Crazy 8 Hardwood".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	2		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	45	Sapling	3	24	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Sapling	2					
White Pine	35	Sapling/Pole	4					

21 6132 - Mixed Lowland Forest with Cedar Sawtimber Well 22.9 81 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole/Log	8		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Paper Birch	5	Pole	7		Black Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen	15	Pole/Log	8		Gray Dogwood	Low	< 5 feet	Tall Shrub
Northern White Cedar	25	Pole/Log	8	81	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	10	Log/Pole	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
Hemlock	20	Pole/Log	8					

22 3102 - Grass Nonstocked 2.9 Unspecified Managed Opening wildlife opening

24 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 7.3 82 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole/Log	7	
Yellow Birch	2	Pole	8	
Paper Birch	2	Pole	7	
Northern White Cedar	25	Pole/Log	8	
Hemlock	51	Pole/Log	8	82



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
27	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	12.9	71	81-110	N/A																																																																
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28	6113 - Lowland Maple	Poletimber Well	3.9	74	51-80	N/A	Maple and dead ash																																																															
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29	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	18.8	98	111-140	N/A																																																																
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Cattail spp.	Medium	Unspecified	Non-Wood																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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32 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 13.3 110 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Pole/Log	9	
Paper Birch	2	Pole/Log	5	
Northern White Cedar	25	Pole/Log	8	
White Pine	15	Log/Pole	14	
Hemlock	35	Log/Pole	12	110
Bigtooth Aspen	5	Log/Pole	10	

34 4126 - White, Black, N. Pin Oak Sawtimber Poor 22.2 89 1-50 N/A

Stand treated timber sale #63-047-13-01, "RB3". ORV Trails adjacent to stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	60	Log/Pole	14	89	Bigtooth Aspen	Medium	5 - 10 feet	Sapling
White Oak	20	Log/Pole	10		Red Maple	Medium	5 - 10 feet	Sapling
White Pine	20	Log/Pole	10		Black Cherry	Medium	5 - 10 feet	Sapling
					Jack Pine	Medium	< 5 feet	Sapling
					Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling

35 6118 - Lowland Deciduous with Cedar Poletimber Medium 35.3 75 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	43	Log/Pole	10	75	Northern White Cedar	Low	< 5 feet	Sapling
Paper Birch	5	Pole/Log	7		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Northern White Cedar	25	Pole/Log	8					
White Pine	12	Log/Pole	10					
Bigtooth Aspen	15	Log/Pole	10					

36 6230 - Cattail Nonstocked 14.6 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Unspecified	Non-Wood
Tag Alder	Low	5 - 10 feet	Tall Shrub

37 6132 - Mixed Lowland Forest with Cedar Poletimber Well 39.8 83 Unspecified N/A

38 6129 - Mixed Coniferous Lowland Forest Poletimber Well 8.8 98 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	60	Log/Pole	12	98
Northern White Cedar	35	Log/Pole	10	
Red Maple	5	Log/Pole	10	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
39	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	29.5	78	Unspecified	N/A																																										
40	612 - Lowland Coniferous Forest	Poletimber Well	45.0	101	Unspecified	N/A																																										
41	6118 - Lowland Deciduous with Cedar	Poletimber Well	36.0	78	Unspecified	N/A																																										
42	6230 - Cattail	Nonstocked	18.0		Unspecified	No																																										
43	6120 - Lowland Cedar	Poletimber Well	82.6	85	51-80	N/A																																										
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>70</td> <td>Log/Pole</td> <td>10</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Log	7		Northern White Cedar	70	Log/Pole	10	85	White Pine	15	Pole/Log	8		Hemlock	5	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	5 - 10 feet	Sapling										
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White Pine	Medium	5 - 10 feet	Sapling																																													
46	6230 - Cattail	Nonstocked	24.2		Unspecified	No																																										
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Northern White Cedar	Low	>20 feet	Pole																																													
48	6115 - Lowland Ash	Poletimber Well	134.1	75	81-110	N/A																																										
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Canopy Species	% Cover	Size Class	DBH	Age																																												
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Black Ash	Medium	< 5 feet	Sapling																																													
Cattail spp.	High	Unspecified	Non-Wood																																													
49	629 - Mixed non-forested wetland	Nonstocked	29.6	0	Unspecified	No	Mostly standing dead ash and elm.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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51 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 8.8 115 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	12		Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	2	Pole	6		Black Spruce	Low	5 - 10 feet	Sapling
Black Spruce	3	Pole/Log	8		White Pine	Low	5 - 10 feet	Sapling
Northern White Cedar	40	Log/Pole	10	115				
White Pine	27	XLog/Log/Pole	18					
Hemlock	23	Log/Pole	10					

52 4130 - Aspen Sapling Well 18.6 25 111-140 N/A Stand treated 1995. Timber sale #63-027-94-01, "Last Word Aspen".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	31	Sapling/Pole	3		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	62	Sapling/Pole	4	25	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
White Pine	7	Log/Pole	10		White Oak	Low	5 - 10 feet	Sapling

53 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 54.1 95 81-110 N/A Leave stand for age class and species diversity.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	6		White Pine	Medium	10 - 20 feet	Sapling
White Oak	20	Log/Pole	12		Red Pine	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	30	Log/Pole	14	95	Jack Pine	Low	5 - 10 feet	Sapling
White Pine	20	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Jack Pine	13	Log/Pole	10		White Oak	Low	< 5 feet	Sapling
Red Pine	5	Log	12		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	2	Log/Pole	10					

56 3303 - Mixed Low Density Trees Nonstocked 14.9 0 Unspecified 4319 - Mixed Upland Forest Stand treated 2016, sale "63-038-13-01", "Too Many Trails"

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	>20 feet	Log
Sugar Maple	Low	>20 feet	Pole
Black Cherry	Low	>20 feet	Pole
Hemlock	Low	>20 feet	Pole
Red Maple	Low	< 5 feet	Sapling
Musclewood/Hornbeam	Low	5 - 10 feet	Tall Shrub

60 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 6.5 115 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	12		Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	15	Pole	8		Tag Alder	Low	10 - 20 feet	Tall Shrub
Northern White Cedar	45	Log/Pole	10	115				
White Pine	10	Log/Pole	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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61 6129 - Mixed Coniferous Lowland Forest Poletimber Well 10.9 120 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	10		Red Maple	Medium	10 - 20 feet	Sapling
Black Spruce	10	Pole/Log	8		Black Spruce	Medium	5 - 10 feet	Sapling
Northern White Cedar	25	Log/Pole	10		White Pine	Medium	5 - 10 feet	Sapling
Tamarack	5	Pole/Log	6					
White Pine	35	XLog/Log/Pole	18	120				
Hemlock	15	Log/Pole	12					

63 3102 - Grass Nonstocked 1.1 Unspecified Managed Opening wildlife opening

64 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 124.7 97 1-50 N/A Lots of standing dead ash.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	8		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Paper Birch	5	Pole	7		Cattail spp.	Full	Unspecified	Non-Wood
Northern White Cedar	25	Log/Pole	10		White Pine	Medium	5 - 10 feet	Sapling
Black Ash	5	Log/Pole	12					
White Pine	45	Log/Pole/XLog	14	97				
Hemlock	10	Log/Pole	12					

66 330 - Low-Density Trees Nonstocked 97.1 0 Unspecified No Cedar/pine ridges run throughout the stand.

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Trace	>20 feet	Log
Cattail spp.	High	Unspecified	Non-Wood
White Pine	Low	>20 feet	Log
Northern White Cedar	Low	>20 feet	Log
Hemlock	Low	>20 feet	Log
Tag Alder	High	5 - 10 feet	Tall Shrub

70 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 42.6 110 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	25	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black Spruce	5	Pole/Log	8		Cattail spp.	High	Unspecified	Non-Wood
Northern White Cedar	35	Log/Pole	10	110				
White Pine	20	Log/XLog/Pole	14					
Hemlock	5	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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71 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 8.1 77 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	15	Pole/Log	8		White Pine	Medium	5 - 10 feet	Sapling
Northern White Cedar	20	Pole/Log	8					
White Pine	45	Log/Pole	10	77				
Hemlock	10	Pole/Log	8					

73 4131 - Aspen, Oak Sapling Medium 12.7 27 1-50 N/A

Stand treated timber sale #630289401, "Kings Hwy Hardwood". Cut 1994. Adequate regen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Log	10		White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	50	Sapling/Pole	4	27	Black Cherry	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	20	Log	12		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Pine	5	Pole/Sapling	6		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Maple	15	Sapling	4					
White Oak	5	Sapling	3					

75 6120 - Lowland Cedar Sawtimber Well 41.2 75 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	9		Musclewood/Hornbeam	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	60	Log/Pole	10	75	White Pine	Low	10 - 20 feet	Sapling
Hemlock	20	Pole/Log	9		Red Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen	5	Log/Pole	10					
White Pine	10	Log/Pole/XLog	12					

77 6132 - Mixed Lowland Forest with Cedar Sawtimber Medium 15.6 85 51-80 N/A

78 6230 - Cattail Nonstocked 5.6 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	Pole
Bigtooth Aspen	Low	>20 feet	Pole
Black Ash	Low	>20 feet	Log
Cattail spp.	High	Unspecified	Non-Wood

81 6220 - Alder/willow Nonstocked 104.8 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub
Cattail spp.	Full	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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84 6220 - Alder/willow Nonstocked 42.1 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full	5 - 10 feet	Tall Shrub
White Pine	Trace	10 - 20 feet	Sapling
Cattail spp.	Medium	Unspecified	Non-Wood
Red Maple	Low	>20 feet	Pole
Northern White Cedar	Low	>20 feet	Pole

85 4133 - Aspen, Mixed Pine Poletimber Well 32.5 37 81-110 N/A

Stand treated in 1984 with timber sale # "63-003-83-01", "Timbered Moraines 34 Sale". Good regeneration. Some log sized oak was left in the southern portion.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Sapling/Pole	3	
Bigtooth Aspen	55	Pole/Sapling	5	37
Black/Red (Hybrid) Oak	10	Sapling/Pole	3	
White Pine	15	Pole/Sapling	6	
Red Pine	5	Sapling/Pole	4	
Red Maple	10	Pole/Sapling	5	

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

86 4131 - Aspen, Oak Sawtimber Well 21.3 55 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	10	Log/Pole	12	
Red Maple	5	Log/Pole	10	
Bigtooth Aspen	60	Log/Pole	10	55
Black/Red (Hybrid) Oak	10	Log/Pole	14	97
White Pine	5	Pole/Log	10	
Red Pine	2	Log	12	
Red Oak	8	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Black Cherry	Low	< 5 feet	Sapling
Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Sassafras	Low	5 - 10 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling

89 4130 - Aspen Poletimber Well 8.6 25 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Pole	5	
Bigtooth Aspen	65	Pole/Sapling	5	25
Northern White Cedar	5	Pole/Log	9	
White Pine	2	Log	14	
Hemlock	5	Pole/Log	8	
Red Maple	15	Pole/Sapling	5	
Black/Red (Hybrid) Oak	6	Sapling/Pole	3	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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90	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	18.8	75	1-50	N/A	Stand treated timber sale # "63-028-03-01", "King's Pine". Red pine was also previously thinned out in 1987 with sale # "63-012-87", "Kings Highway Poles".
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	10	Pole/Log	8		Witch Hazel	Low	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Log/Pole	10		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
White Pine	10	Pole/Log	8		Red Pine	High	Variable	Sapling
Red Pine	70	Log	12	75	Red Maple	Medium	10 - 20 feet	Sapling

92	6118 - Lowland Deciduous with Cedar	Poletimber Poor	61.7	90	1-50	N/A	
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93	6120 - Lowland Cedar	Poletimber Medium	13.3	87	51-80	N/A	
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96	4199 - Other Mixed Upland Deciduous	Sapling Medium	23.8	15	Immature	N/A	Stand was treated in Spring 2006 as part of sale # "63-031-04", "Scarlet Tanager Oak".
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Log	12	
White Oak	5	Log	10	
White Pine	8	Log	12	
Black/Red (Hybrid) Oak	35	Sapling	2	15
White Oak	15	Sapling	2	
Bigtooth Aspen	10	Sapling	2	
Red Maple	5	Sapling	2	
White Pine	7	Sapling	4	
Black Cherry	5	Sapling	2	

97	500 - Water	Nonstocked	1.7		Unspecified	No	Baldwin River
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98	6120 - Lowland Cedar	Poletimber Well	6.0	92	111-140	N/A	
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99	6118 - Lowland Deciduous with Cedar	Poletimber Poor	21.1	86	1-50	N/A	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
102	4126 - White, Black, N. Pin Oak	Sawtimber Well	20.8	92	81-110	N/A	Very hilly. Unsure if logging equipment could operate.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Oak		20	Pole/Log	9		White Pine	
Black/Red (Hybrid) Oak		35	Log/Pole	14	92	Black/Red (Hybrid) Oak	
White Pine		2	Pole/Log	7		Red Maple	
Red Pine		5	Log/Pole	10		White Oak	
Bigtooth Aspen		10	Log/Pole	10		Witch Hazel	
Red Maple		8	Log/Pole	10			
Red Oak		20	Log/Pole	14			
103	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	9.0	88	1-50	N/A	
107	4131 - Aspen, Oak	Sapling Well	55.5	15	Immature	N/A	Stand was treated in Spring 2006 as part of sale # "63-031-04", "Scarlet Tanager Oak".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		65	Sapling	1	15		
Red Maple		15	Sapling	1			
Black/Red (Hybrid) Oak		10	Sapling	1			
White Oak		5	Sapling	1			
Red Oak		5	Log	14			
108	4130 - Aspen	Poletimber Well	52.1	36	111-140	N/A	Stand was treated in 1985 with timber sale # "63-003-83", "Timbered Morains 34 Sale".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Beech		5	Sapling/Pole	4		Witch Hazel	
White Oak		5	Sapling/Pole	3		Low	
Bigtooth Aspen		75	Pole/Sapling	6	36	5 - 10 feet	
Black/Red (Hybrid) Oak		5	Sapling/Pole	3		Tall Shrub	
Red Maple		10	Pole/Sapling	5			
109	4199 - Other Mixed Upland Deciduous	Poletimber Medium	22.8	97	51-80	N/A	Stand treated timber sale #63-039-13-01, "King's Mix".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		10	Pole/Log	8		Northern White Cedar	
Red Maple		10	Pole/Log	8		Low	
Basswood		15	Pole/Log	10		5 - 10 feet	
Beech		5	Pole/Log	7		Sapling	
White Oak		3	Pole/Log	8		Witch Hazel	
Paper Birch		2	Pole	8		Low	
Northern Pin Oak		45	Log/Pole	10	97	5 - 10 feet	
White Pine		5	Log/Pole	14		Sapling	
Red Pine		5	Pole/Log	12		Sugar Maple	
						Low	
						5 - 10 feet	
						Sapling	
						Bigtooth Aspen	
						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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110	4131 - Aspen, Oak	Sapling Well	40.6	28	81-110	N/A	Stand treated timber sale #630139301, "Hidden Aspen & Oak". Good regeneration of aspen and oak.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Log/Pole	10		Red Oak	Low	< 5 feet	Sapling
White Oak	15	Pole/Log	9		White Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	60	Sapling/Pole	4	28	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	5	Log/Pole	12					

111	4319 - Mixed Upland Forest	Poletimber Well	6.6	26	51-80	N/A	Stand treated winter of 1994-1995, sale #63-231-10-93-01.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	4		White Pine	Medium	< 5 feet	Sapling
White Oak	10	Sapling	3		Jack Pine	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	10	Sapling	3					
White Pine	10	Pole/Log	7					
Jack Pine	35	Sapling/Pole	4	26				
Bigtooth Aspen	20	Sapling/Pole	4					
Black Cherry	5	Sapling	3					