



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63114

Entry Year 2025

Acreage: 2,117

County Missaukee

Management Area: High Sand Plains

Stand Examiner: Andrew Krugh

Legal Description:

T23N, R6W Sec. 7 T23N, R7W, Sec. 1-3, 10-15

Identified Planning Goals:

Forest Management with focus on multiuse objectives of timber, wildlife and ecological concerns. Management will follow practiced silvicultural guidelines and management plan guidelines.

Soil and topography:

Rubicon Sand, Graycalm-Rubicon Sand, Roscommon Mucky Sand, and Tawas Mucky Peat. Flat to rolling topography, occasional short steep slopes.

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

This compartment is located 10 miles north of Lake City in Forest Township. In section 2, at the intersection of Cutcheon and Edwards roads, there was the town of Cutcheon. It had a post office (est. 1890) and had a population of more than 100. The post office was last listed in 1927.

This compartment has a mix of state and private lands. The compartment is dispersed throughout 10 sections with some isolated parcels.

Unique Natural Features:

Section 15 has a drainage that is a tributary to the West Branch of the Muskegon River. The West Branch of the Muskegon also briefly enters the southwest of section 13. Natural Features Inventory lists the potential for great blue heron rookery, eagle, and osprey.

Archeological, Historical, and Cultural Features:

None listed on the Archeological Site listing.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

The West Branch Muskegon River flows through a small portion of the southern part of Compartment 114. The West Branch is a Designated Trout Stream with self-sustaining populations of resident brook and brown trout. (R. O'Neal, 8/24/2013).

Wildlife Habitat Considerations:

120 acres of Pittman Robertson Funded land in the T shaped peninsula on the SW portion of the compartment.

This compartment falls within the Highplains Ecosystem. Most of the compartment is within the Grayling Outwash Plain Subsection, LTA 1111, 2111, and 5549. About a third of the compartment, a western portion, falls within the Cadillac Subsection, LTA 1111. Within the Grayling Subsection, soils are deep, excessively drained. Historically, species composition was highly variable with conifer forests predominating in LTA 1111, and northern hardwood forests in LTA 2111. In LTA 5549, soils are primarily poorly drained peak and mucks but include some better drained alluvial soils. In the Cadillac Subsection, LTA 1111, soils, while variable, are usually sandy, excessively drained, and low to moderate in fertility. Historically, northern hardwood forests predominated with some areas of white pine/beech/red maple, or beech/hemlock. Wildlife habitat objectives for this compartment are to continue to manage for high structural diversity with stands and age class diversity across the compartment. Featured species of special interest are deer, woodcock, ruffed grouse, and snowshoe hare. (E. Victory, 8/21/13)

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and ice-contact and glacial outwash sand and gravel and postglacial alluvium. Glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay/shale in other parts of the State. Gravel pits are located several miles away, but gravel potential is considered good. The compartment is located seven miles north of Falmouth Field. The field has produced from the Stray Sandstone, Dundee, Richfield and Prairie du Chien.

There are no State leases currently, but State land to the northeast is leased. (Tom Hoane, 3/6/2013).

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 closure. 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:

Many new corners were surveyed for the last year of entry. Present surveys are adequate for land management needs

Recreational Facilities and Opportunities:

There are no developed recreation facilities or trails within the compartment. The fragmented ownership within the boundaries of the compartment does not make development of any future trails feasible. Access to the West Branch of the Muskegon River is difficult from within the compartment and likely sees little use. Hunting is popular in this area with the proximity to the deer yard and adjacent agricultural lands.

Fire Protection:

The scattered state ownership intermixed with small and large private tracts of land and a public road system provide good access for fire apparatus. Many private values are at risk for wildland fire and exhibit a high potential for human caused ignitions. Fuel types within the compartment can produce rapid spread rates on Very High and Extreme fire days. (B. Tower, 2013).

Additional Compartment Information:

The following reports from the Inventory are attached:

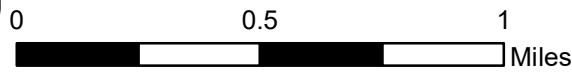
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

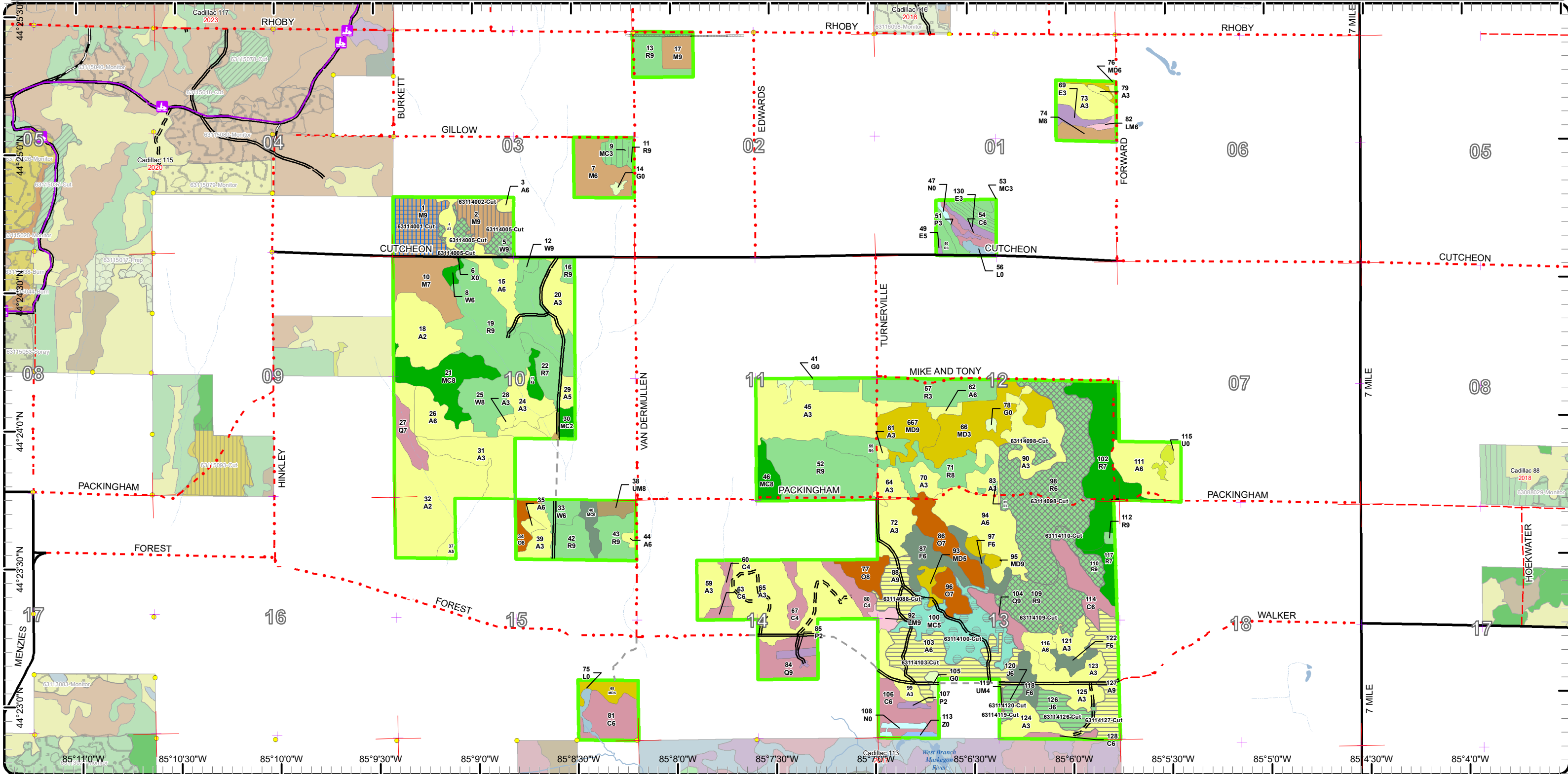
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 114
 T23N-R06W Sec. 07
 County: Missaukee
 Unit: Cadillac
 Mgmt Area: High Sand Plains
 YOE: 2025
 Acres: 2117.3 GIS Calculated
 Examiner: Andrew Krugh
 Map Revised: 10/19/2023
 Map Phase: Post-Maps

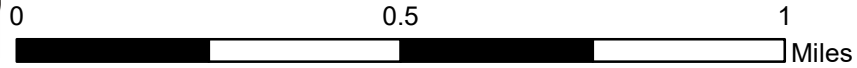


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Patch/Strip Cut (Femelschlag)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 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
- 621 - Floating Aquatic
- 622 - Lowland Shrub
- 623 - Emergent Wetland

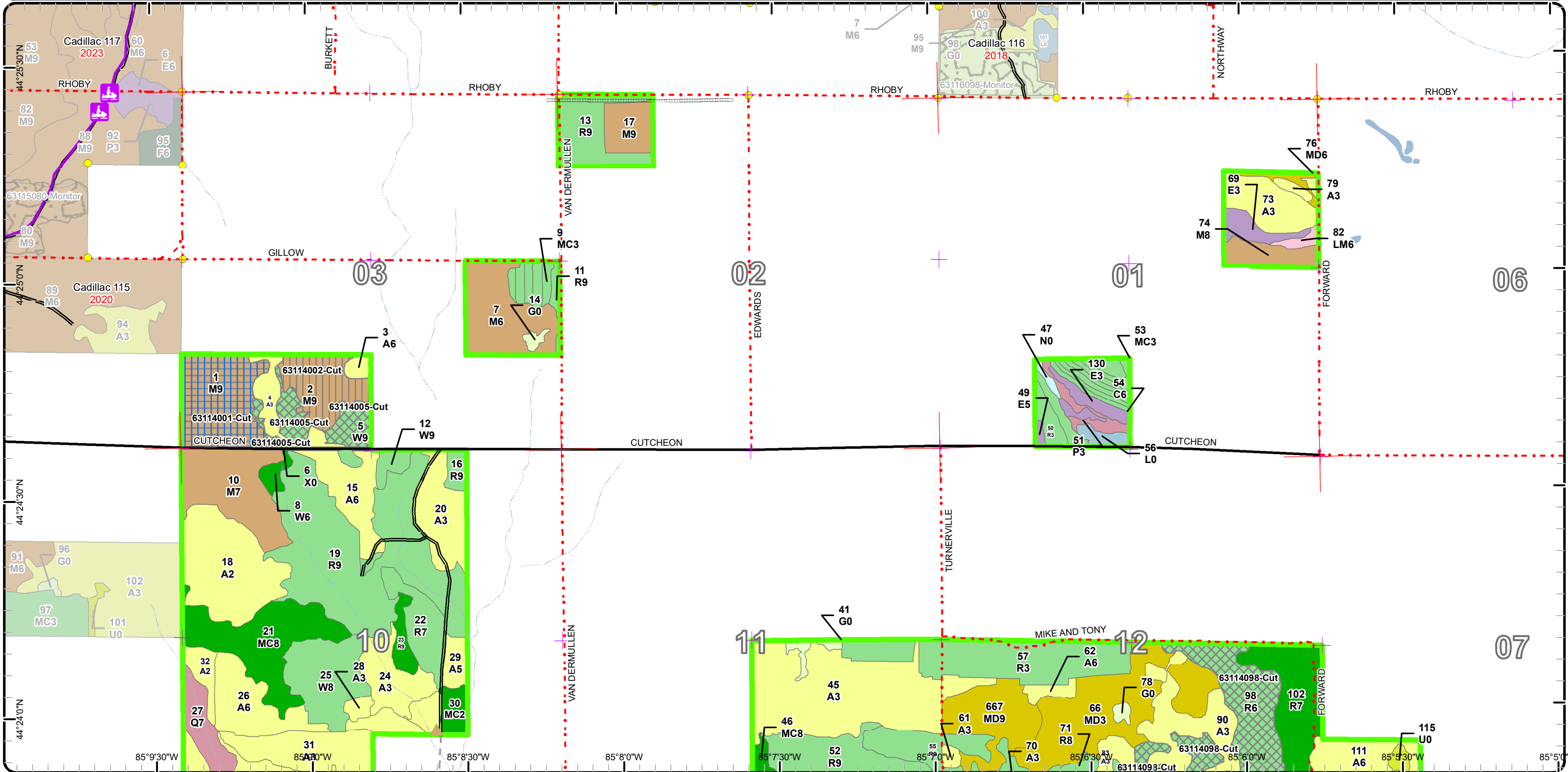


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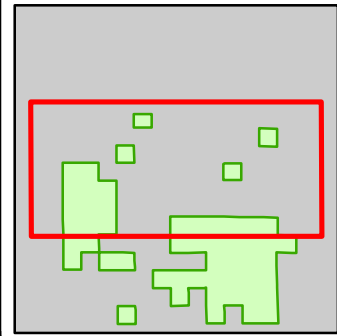
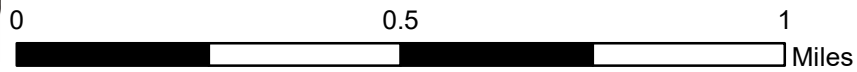


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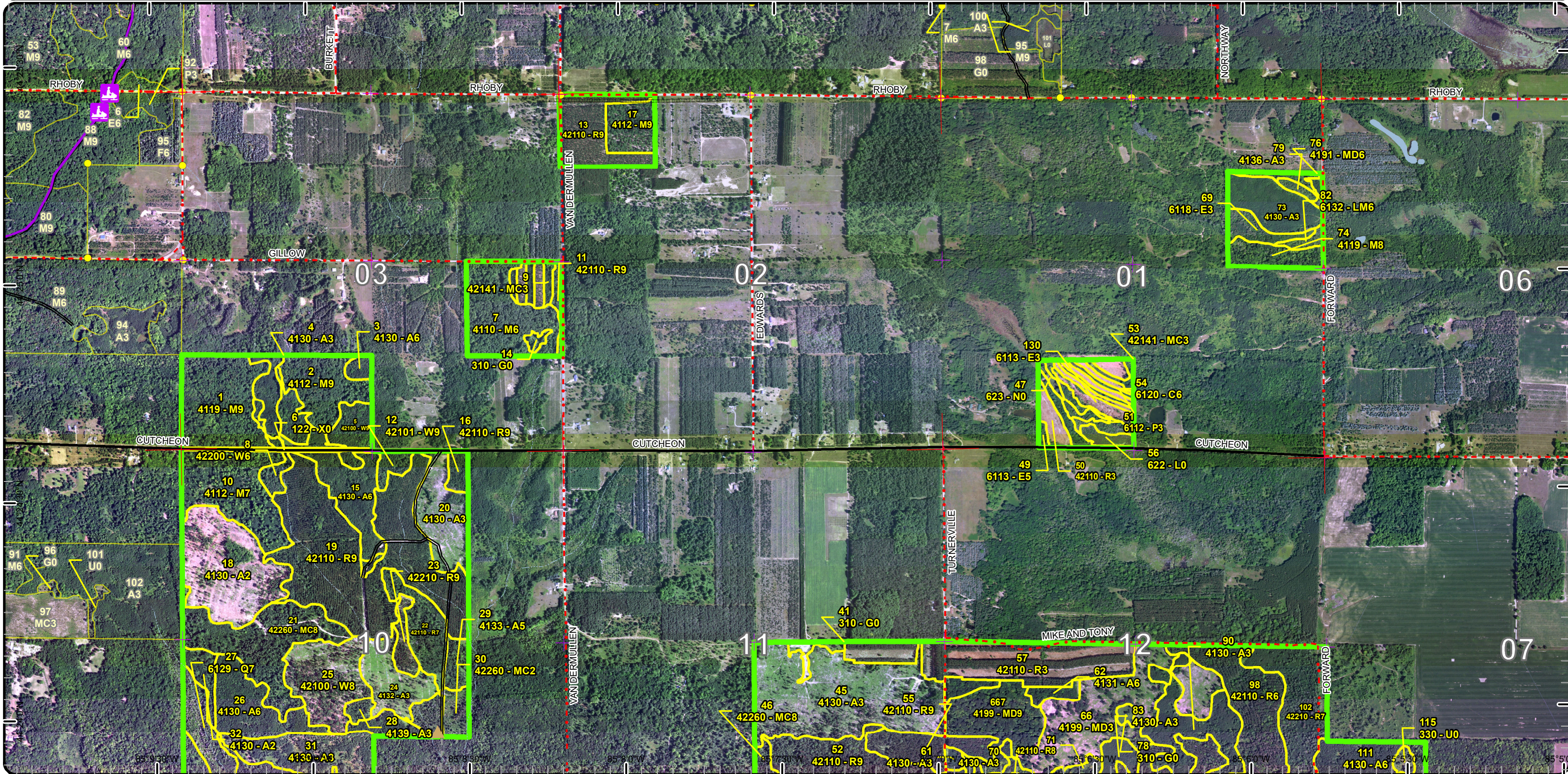
Stand Boundary Map

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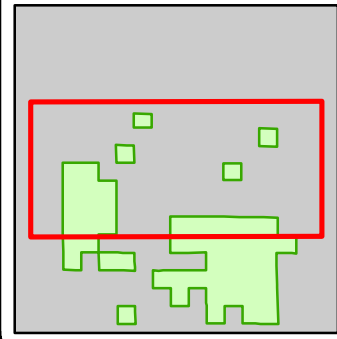


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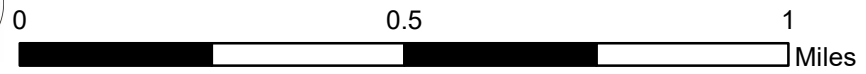
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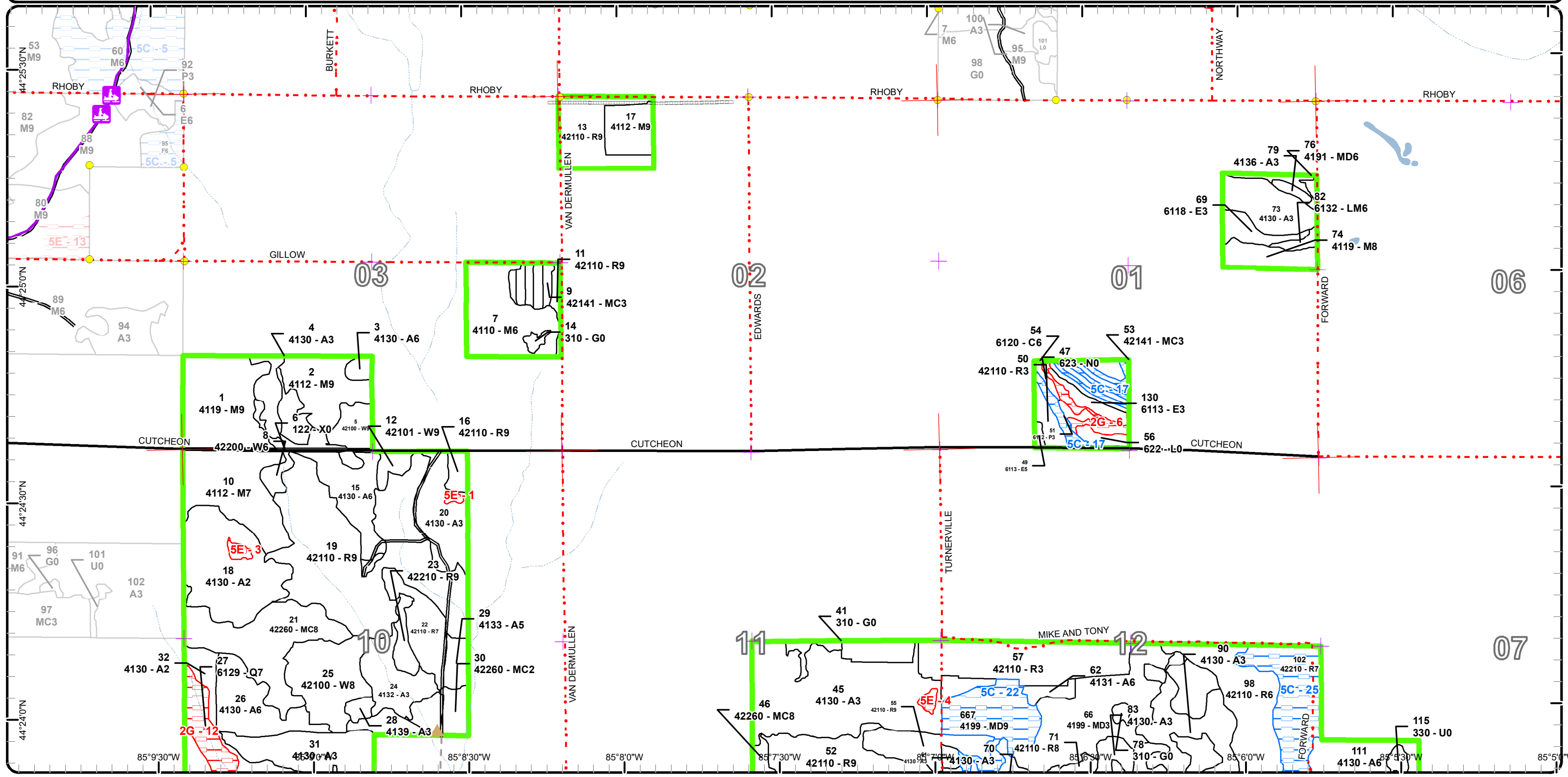
Special Conservation Areas



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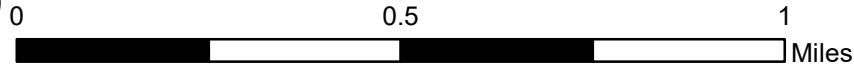


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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries

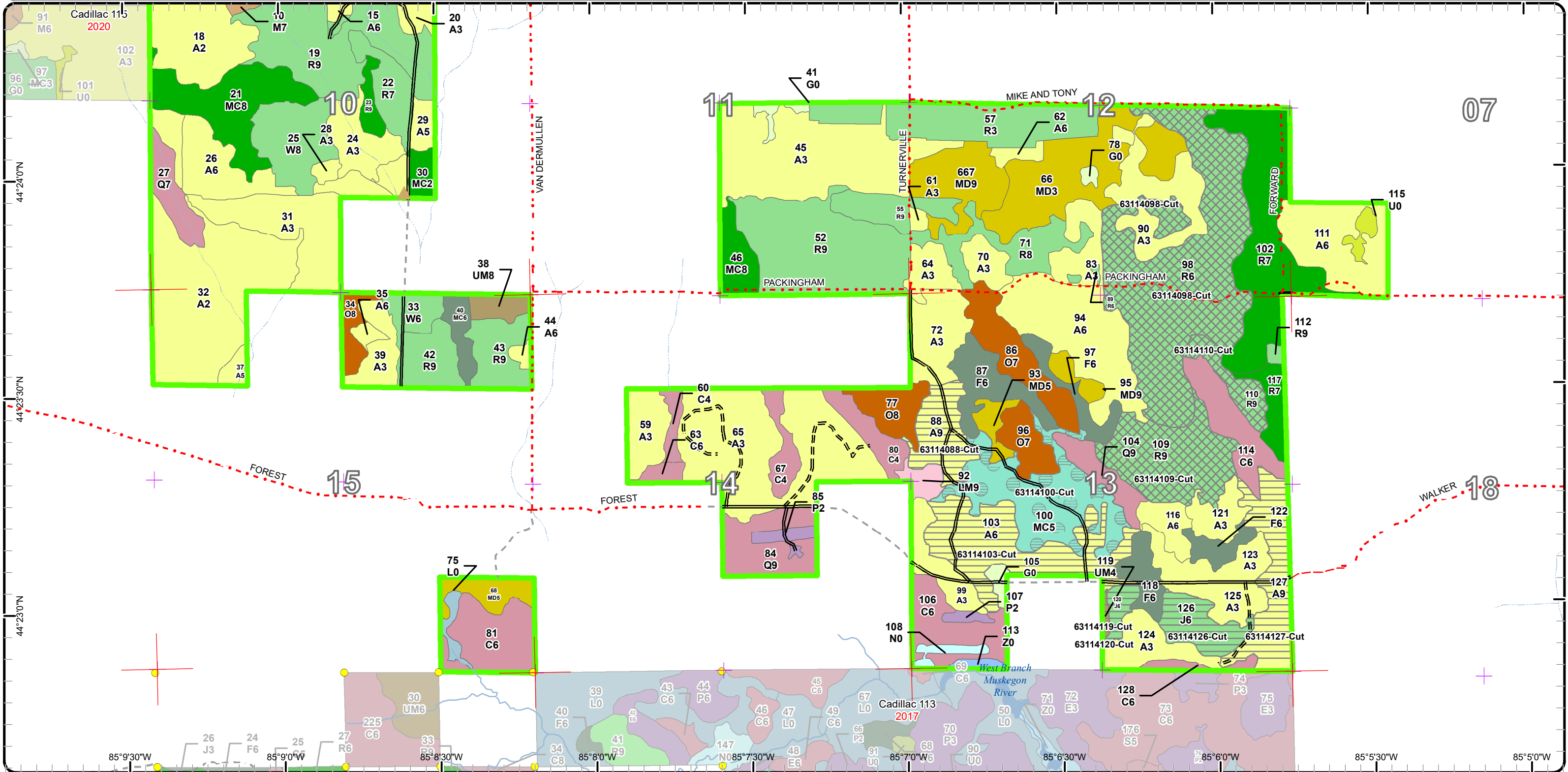


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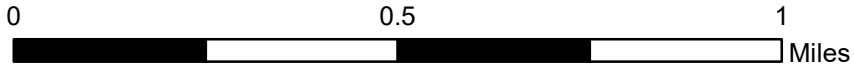
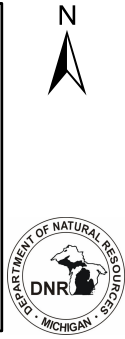


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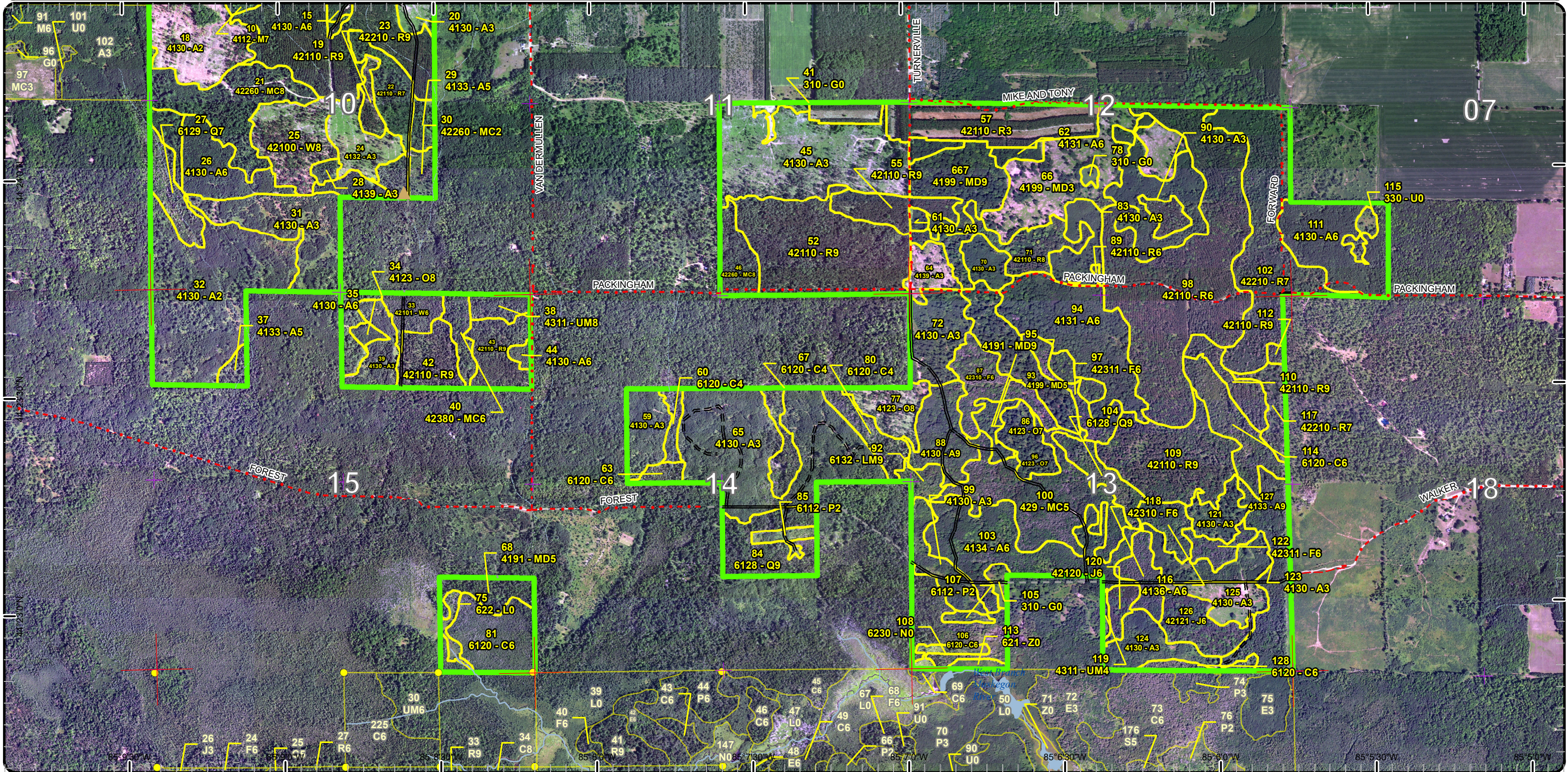


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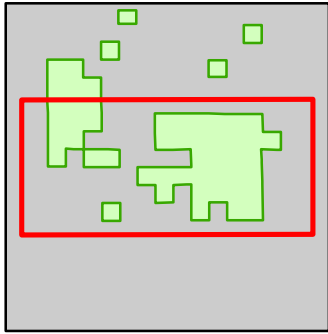
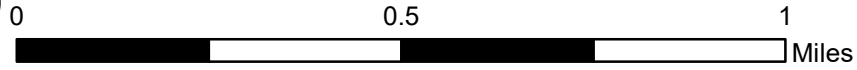


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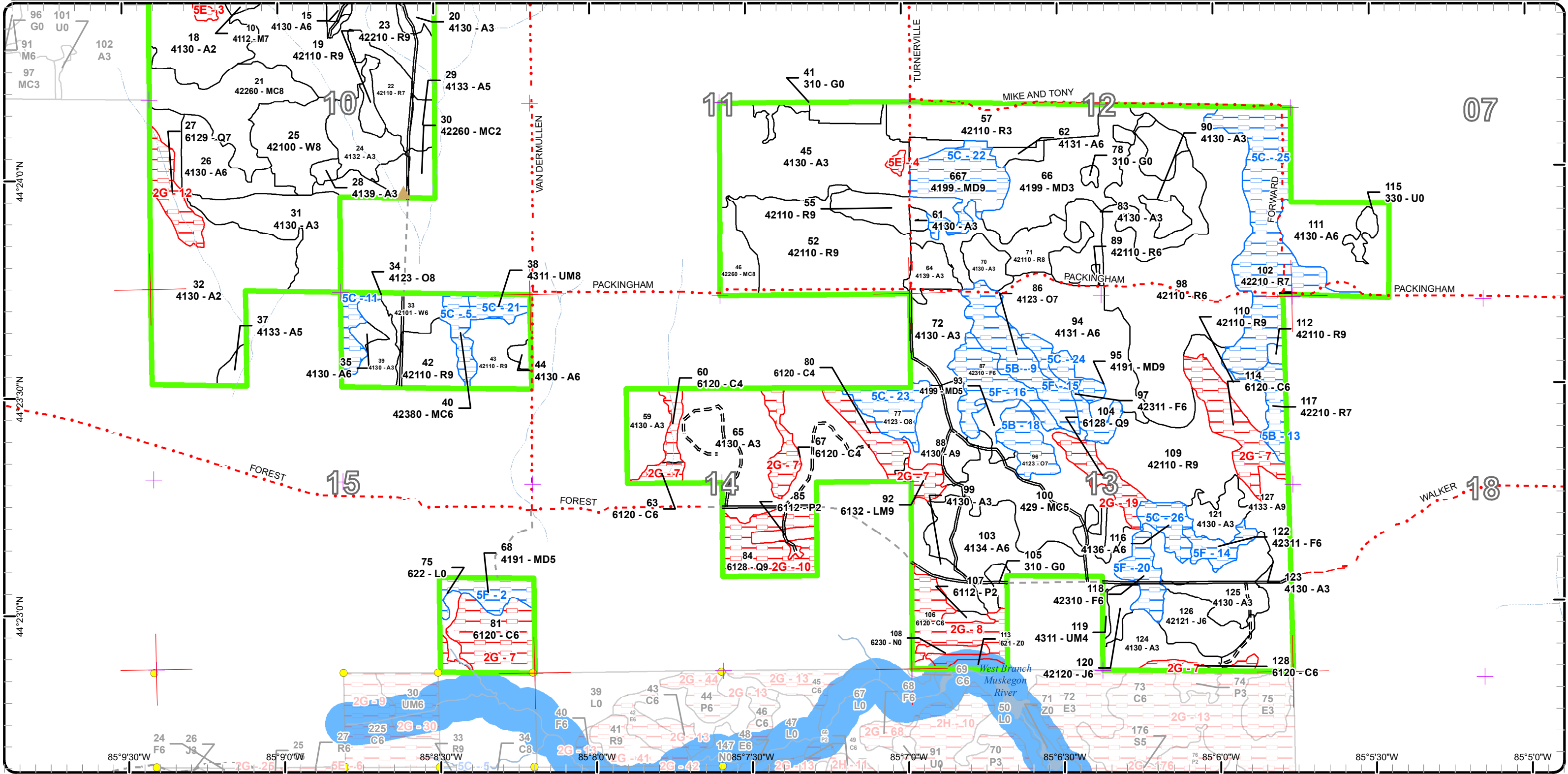


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- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer





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	164	90	290	137	15	111	0	0	0	0	0	0	0	0	0	0	0	806
Cedar	0	0	0	0	0	0	0	0	0	0	5	0	25	75	0	0	0	0	105
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	0	0	21	0	0	0	0	0	0	0	0	0	0	21
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	13	34	0	0	0	0	47
Lowland Deciduous	0	4	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Mixed Forest	0	0	0	0	0	0	0	0	2	0	0	0	0	5	0	0	0	0	7
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	50	0	0	0	0	6	0	0	0	3	31	0	0	0	0	0	11	101
Natural Mixed Pines	0	0	6	0	0	0	0	0	12	36	0	0	0	0	0	0	0	0	54
Northern Hardwood	0	0	0	0	0	0	0	0	0	31	82	20	0	0	0	0	0	0	133
Oak	0	0	0	0	0	0	0	0	0	0	14	43	0	0	0	0	0	0	57
Planted Mixed Pines	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Red Pine	0	55	0	0	0	0	0	300	131	67	10	0	0	0	0	0	0	0	562
Upland Conifers	0	0	0	0	0	0	0	47	0	0	0	0	0	8	0	0	0	0	55
Upland Mixed Forest	0	0	0	0	1	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Upland Spruce/Fir	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	45
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	24	29	4	0	0	0	0	0	0	0	0	0	57
Total	29	273	102	311	138	16	141	442	156	134	114	94	38	122	0	0	0	11	2118



Report 2 – Treatment Summary

Cadillac Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 114

Total Compartment Acres: 2,117

Commercial Harvest - 403
 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	98	0	0	0	0	0	0	0	0	98
Jack Pine	21	0	0	0	0	0	0	0	0	21
Northern Hardwood	0	0	0	32	20	0	0	0	0	52
Red Pine	0	168	0	0	0	0	0	0	0	168
Upland Conifers	0	0	47	0	0	0	0	0	0	47
Upland Mixed Forest	1	0	0	0	0	0	0	0	0	1
White Pine	0	15	0	0	0	0	0	0	0	15
Total	121	183	47	32	20	0	0	0	0	403

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	403	0	0	0	0	0	0	0	0	403
Next Step	0	0	0	0	0	0	403	0	0	403
Total	403	0	0	0	0	0	403	0	0	805



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

Proposed Treatments:

1	63114001-Cut	32.1	4119 - Mixed Northern Hardwoods	Sawtimber Well	97	51-80	Harvest	Seed Tree	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Leave 20-50 BA focusing on leaving mast producing trees. Leave all birch, cedar and hemlock, these species will be part of the ba left.</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> Moderate to fully stocked maple, birch, pine, fir, aspen, and beech.</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 /2024</p>											
2	63114002-Cut	19.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	103	51-80	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Leave 40-60 BA focusing on leaving quality trees in place. While marking try and make some regen gaps where they are best fit.</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> Moderate to fully stocked maple, fir, aspen, beech, cherry, and 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 /2024</p>											
5	63114005-Cut	15.0	42100 - Planted White Pine	Sawtimber Well	50	141-170	Harvest	Single Tree Selection	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Remove one third of the total BA in white pine areas. Within stand cut all aspen and red maple.</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> Moderate to fully stocked pine, aspen, maple, beech and fir.</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 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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88	63114088-Cut	19.7	4130 - Aspen	Sawtimber Well	52	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription cut all species 4 inches and greater. Leave 3-10% retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked aspen, maple, pine, spruce and fir.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

98	63114098-Cut	116.0	42110 - Planted Red Pine	Poletimber Well	61	51-80	Harvest	Single Tree Selection	4211 - Planted Red Pine	Even-Aged	No
-----------	---------------------	-------	--------------------------	-----------------	----	-------	---------	-----------------------	-------------------------	-----------	----

Prescription Thinn stand by removing one third of BA or to around 120 BA which ever is more appropriate for that area in the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked red pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

100	63114100-Cut	47.0	429 - Mixed Upland Conifers	Poletimber Medium	66	111-140	Harvest	Strip/Patch/Gap Cut (Femelschlag)	429 - Mixed Upland Conifers	Two-Aged	No
------------	---------------------	------	-----------------------------	-------------------	----	---------	---------	-----------------------------------	-----------------------------	----------	----

Prescription Cut all aspen and red maple 4 inches and greater. Only cut spruce and pine for operational needs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable moderate to fully stocked aspen, spruce, pine, maple.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

103	63114103-Cut	47.2	4134 - Aspen, Spruce/Fir	Poletimber Well	54	171-200	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
------------	---------------------	------	--------------------------	-----------------	----	---------	---------	-------------------------	-------------	-----------	----

Prescription cut all species 4 inches and greater leaving 3-10% retention. Leave all hemlock and cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked aspen, maple, birch, pine, fir, hemlock, cedar.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
109	63114109-Cut	41.6	42110 - Planted Red Pine	Sawtimber Well	75	81-110	Harvest	Single Tree Selection	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thinn stand to about 120 focusing on releasing quality red pine. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to fully stocked red pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
110	63114110-Cut	10.6	42110 - Planted Red Pine	Sawtimber Well	71	111-140	Harvest	Single Tree Selection	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thinn stand to about 120 focusing on releasing quality red pine. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to fully stocked red pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
119	63114119-Cut	1.3	4311 - Pine, Aspen Mix	Poletimber Poor	30	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all species 2 inches and greater leaving no retention due to small size. In addition cut all scotch pine regardless of size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to fully stocked aspen, maple, oak, and native pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
120	63114120-Cut	5.3	42120 - Planted Jack Pine	Poletimber Well	65	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> cut all species 4 inches and greater. no retention due to size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to fully stocked pine, aspen, and maple. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</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
126 63114126-Cut	15.9	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	65	1-50	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> final harvest cutting all trees 4 inches and greater. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> moderate to fully stocked jack, white and red pine, with aspen, maple, balsam and birch mixed in. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
127 63114127-Cut	31.4	4133 - Aspen, Mixed Pine	Sawtimber Well	52	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest leaving 3-5 white pine and oak where present. Cut all species 4 inches and greater, except leave all cedar and hemlock. <u>Specs:</u> Leave 3-10 percent retention. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to fully stocked aspen, maple, pine, fir, cherry, birch, hemlock, cedar and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										

Total Treatment Acreage Proposed: 402.7

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh : Examiner

Compartment: 114
Year of Entry: 2025

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

5B 5C 5F 2G 5E

805	793	9	3		0	9	0	0	3
105	0	0	105	Cedar	0			105	
8	8	0	0	Herbaceous Openland					
21	21	0	0	Jack Pine			0		
4	4	0	0	Low-Density Trees					
8	8	0	0	Lowland Aspen/Balsam Poplar				0	
47	0	0	47	Lowland Conifers			0	47	
12	12	0	0	Lowland Deciduous					
8	2	0	5	Lowland Mixed Forest				5	
7	7	0	0	Lowland Shrub					
5	5	0	0	Marsh					
100	59	42	0	Mixed Upland Deciduous		31	11		
54	54	0	0	Natural Mixed Pines					
131	131	0	0	Northern Hardwood					
56	0	56	0	Oak	35	21	0		
13	4	9	0	Planted Mixed Pines		9			
563	493	70	0	Red Pine	10	60	0		
55	47	8	0	Upland Conifers	0	8	0	0	
8	1	7	0	Upland Mixed Forest		7			
45	0	45	0	Upland Spruce/Fir	0		45		
3	3	0	0	Urban					
2	2	0	0	Water					
57	57	0	0	White Pine					
2,117	1,711	245	161	Total Forested Acres	45	145	56	157	3
	81%	12%	8%	Relative Percent					

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh : Examiner

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Year of Entry: 2025

2	Available	5F: Evaluated for Forest Health Considerations	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	84	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh : Examiner

Compartment: 114
Year of Entry: 2025

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5B: Maintain for regeneration purposes	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh : Examiner

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13	Available	5B: Maintain for regeneration purposes	10	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5F: Evaluated for Forest Health Considerations	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5F: Evaluated for Forest Health Considerations	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5F: Evaluated for Forest Health Considerations	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh : Examiner

Compartment: 114
Year of Entry: 2025

19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5F: Evaluated for Forest Health Considerations	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh : Examiner

Compartment: 114
Year of Entry: 2025

25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	4119 - Mixed Northern Hardwoods	Sawtimber Well	32.1	97	51-80	N/A	Lower quality hardwood with heavy understory of beech from last harvest. Hardwood was thinned in winter of 2009. Sale was chipped. Aspen filling in more open pockets following harvest. Rolling terrain.																																																				
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2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.6	103	51-80	N/A	Hardwood was thinned in winter of 2009. All white pine and aspen was also cut in this stand. Sale was chipped. Good quality hardwood. Mostly logs. In far eastern edge of stand there is a 3 acre inclusion of A3 with some scattered canopy hardwood. Was part of same hardwood thinning but was heavy to aspen.(Too small to map on its own) (JV13)																																																				
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3	4130 - Aspen	Poletimber Well	2.6	44	141-170	N/A	Cut in 1979 with handsaws and axes by "Camp Nokomis Boys Crew" Small stand of pole aspen, with a little beech mixed in. Private line to east is in.																																																				
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4	4130 - Aspen	Sapling Well	9.5	23		N/A	Stand was final harvested in spring of 2000. Aspen has come back well, currently 20 to 30 feet tall. Small strip of mature aspen left along cutchen road.																																																				
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5	42100 - Planted White Pine	Sawtimber Well	15.0	50	141-170	N/A	Planted pole size white pine. Variable row orientation, very difficult to see rows. Some hardwood mixed in. [mostly beech] Small less than 1 acre pocket of solid hardwood in far southeast corner of stand. Too small to map.																																																				
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6	122 - Road/Parking Lot	Nonstocked	2.8			No																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
7	4110 - Sugar Maple Association	Poletimber Well	28.3	99	51-80	N/A	Hardwood was thinned in winter of 2009. Sale was chipped. Medium quality hardwood. Mostly sugar maple.Beech and ironwood understory. Mostly pole size although getting close to log stand. Stand more open in far southeast corner.																																										
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8	42200 - Natural White Pine	Poletimber Well	3.2	65	51-80	N/A	Small stand of mature aspen and scattered pole/log white pine. (JV13)Pole white pine stand with aspen red maple coming up.																																										
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9	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	4.2	26	171-200	N/A	Jack Pine strips which were final harvested in 1997. Stand was replanted to red pine, although jack pine,red maple,and oak are competing. Will be a mixed pine dominated stand. Currently jack pine overtopping planted red in pockets. Needs more time to mature before a thinning.																																										
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10	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	30.8	85	1-50	N/A	Stand was harvested in 2007. (Chipping operation) Scattered hardwood makes up the overstory while aspen has regenerated well from the aggressive harvest. Overstory hardwood almost not enough to even consider as primary species. Average of 10 to 40 BA of Hardwood left)																																										
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11	42110 - Planted Red Pine	Sawtimber Well	6.1	71	51-80	N/A	Stand was most recently thinned in 2016 all aspen was cut in the far east strip as well. Pine was marked thinning harvest back in 2006. Mature red pine remaining from red/jack pine strip plantation. Far east strip is more open then rest of strips. (Hardwood saps filling in understory of this strip) Pine has been thinned 3 times.																																										
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12	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	4.0	73	51-80	N/A	Marked white pine thinning in 2008. Was lumped in with adjacent small red pine units. Appears natural white pine. Mix of diameters. Far western portion of stand contains mature aspen which was left out of adjacent aspen final harvest.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
13	42110 - Planted Red Pine	Sawtimber Well	19.7	72	111-140	N/A	Stand was last thinned in 2016. Good quality planted red pine. Pine was marked thinning harvest back in 2006. Stand was thinned before back in 1996 and third row thinned back in 1986 as well. Telephone pole line crosses through stand in north end.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100	Log	14	72	Beech		Low	< 5 feet	Sapling
14	310 - Herbaceous Openland	Nonstocked	1.4		Unspecified	No	Scattered mature maple in opening, starting to fill in slowly.			
15	4130 - Aspen	Poletimber Well	18.0	36	141-170	N/A	Stand was final harvested in 1986. Mix of quaking and bigtooth. Very small pole sized stand. Some seasonally wet drainages in stand. A few log white pine scattered in north. Small buffer of more mature aspen was left by the road. (JV13)			
Canopy Species		% Cover	Size Class	DBH	Age					
White Pine		4	Log	12						
Quaking Aspen		29	Pole/Sapling	6	36					
Bigtooth Aspen		57	Pole/Sapling	6	36					
Red Maple		10	Pole/Sapling	6						
16	42110 - Planted Red Pine	Sawtimber Well	4.9	75	81-110	N/A	Small stand of log red pine with some scattered log white pine as well. Both small units were marked thinnings completed in 2008.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		90	Log/Pole	12	75	Quaking Aspen		Medium	5 - 10 feet	Sapling
White Pine		10	Log	17		Beech	Medium	5 - 10 feet	Sapling	
17	4112 - Maple, Beech, Cherry Association	Sawtimber Well	11.1	95	51-80	N/A	BEECH was salvaged and hardwood was thinned in MAY 2016. Medium quality pole approaching log sized hardwood. Stand was thinned two YOE ago. Heavy beech/cherry component. No BBD evidence yet. Couple legacy pine in west end. (jv 16)			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		5	Pole/Log	9		Beech		High	5 - 10 feet	Sapling
White Pine		5	XLog/Log	22						
Black Cherry		25	Log/Pole	10						
Red Maple		15	Log/Pole	12						
Sugar Maple		45	Log/Pole	11	95					
Yellow Birch		5	Pole/Log	8						
18	4130 - Aspen	Sapling Medium	39.7	8	Immature	N/A	Stand was final harvested in 2016, chipping operation. All pine was left along with retention island.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		71	Sapling	1	8	Red Maple		Medium	Variable	Sapling
Red Pine		9	Log	12		Beech		Medium	Variable	Sapling
White Pine		5	Pole	8		Hazelnut (Beaked)		Low	Variable	Tall Shrub
Red Maple		5	Sapling	1						
Beech		5	Pole	7						
Red Oak		5	Log/XLog	16						
19	42110 - Planted Red Pine	Sawtimber Well	86.5	61	141-170	N/A	Red Pine was third row thinned back in 2007, all aspen and red maple was cut in designated rows for access. (Irregular rows) Medium quality little on the short side.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		100	Log/Pole	10	61					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
20	4130 - Aspen	Sapling Well	20.2	8	Immature	N/A	Stand was final harvested in 2016 (Chipped). Wet spring in the middle of the stand. Retention island left in the north end of stand. (Site factored)																																													
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21	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	35.9	89	1-50	N/A	Stand was marked to cut harvested back in 2007. Mature red and white pine were left, along with oak and paper birch. Tops were chipped. Pine is concentrated in pockets of stand, with aspen whips filling in the more open pockets.																																													
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22	42110 - Planted Red Pine	Sawtimber Poor	15.7	75	1-50	N/A	Stand was harvested back in 2007. Was a marked seed tree cut with all red maple, aspen, fir, and beech being cut as well. Tops were chipped. Scattered log red pine in overstory with a mix of mostly aspen regenerating.																																													
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23	42210 - Natural Red Pine	Sawtimber Well	5.1	84	51-80	N/A	Small isolated pocket of mature log red pine. Appears natural THINNED in 2016, was lumped in with larger sale to west.																																													
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24	4132 - Aspen, Jack Pine	Sapling Well	15.9	8	Immature	N/A	Jack pine with a mix of oak, red maple, aspen, and scattered red pine mixed in from adjacent planted pine. A decent mix although jack pine is dominant species. Variable diameters. STAND was final harvested in 2016 with all red pine left. Sale was chipped.																																													
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25	42100 - Planted White Pine	Sawtimber Medium	25.6	61	1-50	N/A	Mix of white and red pine, with scattered aspen component. Variable diameters from Log to sapling pine. A few legacy pine as well. Stand was thinned in 2016 all pine over 10 inches was left. All aspen and maple was spec cut. Chipped as well. Producer did a good job getting around residual pine.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
26	4130 - Aspen	Poletimber Well	26.6	35	171-200	N/A	Stand was final harvested in 1987. Mix aspen regenerated well, with a small mix of pine, oak, and fir scattered around.																																													
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27	6129 - Mixed Coniferous Lowland Forest	Sawtimber Poor	12.6	119	51-80	N/A	Portions of stand was cut in 1999 along with surrounding aspen, with all hemlock and cedar left. Aspen, red maple primary filling up the understory. Hemlock appears healthy. Stand gets wetter to north.																																													
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28	4139 - Aspen, Mixed Deciduous	Sapling Well	2.4	15	Immature	N/A	Final harvested in 2008. Aspen and red maple regenerated. Scattered white pine and oak left in overstory.																																													
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29	4133 - Aspen, Mixed Pine	Poletimber Medium	10.0	41	51-80	N/A	Semi opening low quality aspen, mixed pine stand. Variable stunted looking timber. Variable aspen with scattered red and white pine.																																													
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30	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	5.7	15	Immature	N/A	Stand was harvested in 2008. Small patch of mature red pine left in eastern portion . Jack pine, aspen, red maple starting to fill in. (Regen 2 to 4 feet tall) Will be semi open stand.																																													
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31	4130 - Aspen	Sapling Well	34.1	26	111-140	N/A	Stand was final harvested in 1997. Aspen came back well. A few oaks were left.																																													
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32	4130 - Aspen	Sapling Medium	83.4	24	201+	N/A	Stand was final harvested in 1999. All cedar, hemlock and oak were left. Aspen has come back good. Scattered ridges of log oak were left along with scattered hemlock. More open in pockets where old landings were. Large stand, with some lowland character in pockets.																																													
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33	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	9.3	52	141-170	N/A	Dense white pine plantation; with a mix of aspen and a few red pine. Small pole size timber.																																													
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34	4123 - Red Oak	Sawtimber Medium	7.5	105	1-50	N/A	Small stand of log oaks and scattered red maple and aspen. Very open stand. Scattered pine as well.																																													
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35	4130 - Aspen	Poletimber Well	2.4	36		N/A	Small pocket of small pole aspen. Was final harvested in 1986.																																													
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37	4133 - Aspen, Mixed Pine	Poletimber Medium	3.8	55	51-80	N/A	Small stand of pole-log aspen, red maple and a few pine. Open grown poor quality stand.																																										
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Bigtooth Aspen	Medium	Variable	Sapling																																														
38	4311 - Pine, Aspen Mix	Sawtimber Medium	6.5	71	1-50	N/A	Mixed log/ pole pine with scattered oak, aspen and red maple pole size timber. Semi open stand. Mostly red pine. Was planted at one point but appears natural at this point.																																										
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39	4130 - Aspen	Sapling Well	12.3	26		N/A	Stand was final harvested in 1997. Regenerated well back to aspen.																																										
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40	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	7.9	120	111-140	N/A	More upland mix of cedar, aspen, maple, balsam and paper birch. Scattered legacy pine. Some lowland character, but mostly higher ground.																																										
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41	310 - Herbaceous Openland	Nonstocked	2.8			No																																											
42	42110 - Planted Red Pine	Sawtimber Well	15.7	71	51-80	N/A	Stand was marked thinning done in 2007. All aspen, red maple, balsam, and jack pine was cut. Over a truck load left at landing. Semi open in spots with aspen coming in understory. Variable diameters.																																										
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43	42110 - Planted Red Pine	Sawtimber Well	16.6	71	81-110	N/A	Stand was marked thinning done in 2007. All aspen, red maple, balsam, and jack pine was cut. Variable diameters red pine, with scattered white pine. Logger missed trees to cut in 2007. Higher BA than red pine stand to west.																																													
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44	4130 - Aspen	Poletimber Well	2.1	41		N/A	Small stand of aspen mixed with red maple and a few scattered pine.																																													
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45	4130 - Aspen	Sapling Well	65.8	8	Immature	N/A	Stand was final harvested in 2016 winter and was chipped.																																													
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46	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	12.1	71	51-80	N/A	Stand was harvested in 1997. All oak and pine was left. Two aged stand of mixed pine over sapling aspen. Variable size classes throughout. Close to considering aspen primary species and calling it a sapling stand.																																													
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47	623 - Emergent Wetland	Nonstocked	1.2			No																																														
49	6113 - Lowland Maple	Poletimber Medium	1.0	45	111-140	N/A	Small strip of red maple and aspen, with scattered cedar and balsam.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
50	42110 - Planted Red Pine	Sapling Well	12.0	8	Immature	N/A	10/14/19 - Initial and replant stock looking very good, almost no mortality to speak of. Very heavy raspberry across most of stand, with minimal other species present. Stand is over 80% free to grow. Red pine strips were final harvest and chipped in summer 2016. Objective of planted red pine. Stand was trenched in spring 2017 with DNR personal. Planted in 2017 and replanted in 2018 to make 983 trees per acre. Stand regen checked in fall 2018 looks great no competition issue and TPA is fully stocked.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Sapling	1	8				
51	6112 - Lowland Aspen	Sapling Well	1.6	22	141-170	N/A	Habitat cut in 2001(Hand Cut). Covertypes objective of cut was Aspen.Came back thick with aspen and red maple, some balsam as well. Scattered pole cedar left.		
Canopy Species		% Cover	Size Class	DBH	Age				
Black Ash		10	Sapling	2					
Red Maple		20	Sapling	3					
Quaking Aspen		51	Sapling	3	22				
Balsam Fir		10	Sapling	3					
Northern White Cedar		9	Pole	7					
52	42110 - Planted Red Pine	Sawtimber Well	61.7	62	81-110	N/A	Stand was thinned in 2009, with all aspen, jack pine and maple also being cut. Variable red pine with a mix of diameters. Some white pine mixed in. Stand is not ready to be thinned yet.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		7	Log/Pole	10		Beech	Low	< 5 feet	Sapling
Red Pine		88	Log/Pole	10	62	Red Maple	Low	Variable	Sapling
Red Oak		5	Log/Pole	12					
53	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	9.2	26	201+	N/A	Jack Pine strips which were final harvested in 1997. Majority of strips were planted to red pine although jack pine and hardwood voluntarily seeded in as well. Red pine being out competed in spots. Portions which were not planted came back to aspen and maple. Far northeast portion of stand is a small mature hardwood stand too small to map.west strip is majority hardwood and the pine there has mostly been out competed.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		10	Sapling	2					
Red Pine		40	Sapling	2	26				
Jack Pine		30	Sapling	2	26				
Beech		10	Sapling	2					
54	6120 - Lowland Cedar	Poletimber Well	5.0	96	51-80	N/A	Southern strip of stand in almost pure cedar and spruce. Low wet hummucky ground. Portion of stand to north that was too wet and had too much cedar to cut.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		6	Log	13		Red Maple	Low	Variable	Sapling
Black Spruce		5	Pole	5		Balsam Fir	Medium	Variable	Sapling
White Pine		2	Log/XLog	17					
Red Maple		5	Log	14	96				
Yellow Birch		5	Log	15					
White Ash		2	Log	13					
Balsam Fir		15	Pole	7					
Northern White Cedar		60	Pole	6	96				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
55	42110 - Planted Red Pine	Sawtimber Well	14.1	62	111-140	N/A	Stand was thinned in 2009, with all aspen, jack pine and maple also being cut. Stand was thinned previously in 1996 as well. Good quality planted pine. Thick red maple and beech understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100	Log	13	62	Beech		Medium	< 5 feet	Sapling
						Red Maple	High	< 5 feet	Sapling	
56	622 - Lowland Shrub	Nonstocked	3.1			No	Beaver lodge in stand. Looks active.			
57	42110 - Planted Red Pine	Sapling Well	42.9	6	Immature	N/A	10/2021- Red Pine broke through competition this summer, making the majority FTG. Dropped release spray treatment. 11/19/2020 Stand has Passed its 3 year Regeneration Survey. Stand is currently sitting at 783 TPA at this time. Stand is only 60% free to grow at this time and need to be released sprayed. Very nice quality red pine was final harvested and chipped in 2016. Stand was trenched in spring 2017. Many poles were taken off stand. Red pine strips were thinned in 2006. Stand was thinned prior to that in 1996. Good quality pine. Stand was merged with old jack pine strips which were final harvested and roller chopped in 2016. All will be planted at once which is the reason for merging the stands. Portions of stand was planted in 2017 and planted/replanted in 2018, to bring total trees per acre to 983. ONE YEAR CHECK done in fall 2018. Planted red pine fully stocked, not 80 percent free to grow. Primary oak and cherry overtopping planted red.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Oak		3	Sapling	1						
Black Cherry		2	Sapling	1						
Red Maple		5	Sapling	1						
Red Pine		90	Sapling	1	6					
59	4130 - Aspen	Sapling Well	14.5	26	141-170	N/A	Stand was final harvested in 1997. Upland stand with a little lowland character in eastern border of stand. Borders cedar and private on all sides. Access was through cedar stand. Aspen has come back strong with a minor mix of other species.			
Canopy Species		% Cover	Size Class	DBH	Age					
Black Cherry		4	Sapling	2						
Red Maple		6	Sapling	2						
Red Oak		5	Sapling	2						
Bigtooth Aspen		80	Sapling	3	26					
White Pine		5	Sapling	2						
60	6120 - Lowland Cedar	Poletimber Poor	4.7	120		N/A	Stand was final harvested in 1997, with all cedar being left. Cedar overstory with aspen, red maple and balsam fir in the understory. Cedar blowdown in pockets throughout.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		5	Pole	6		Red Maple		Low	5 - 10 feet	Sapling
Northern White Cedar		95	Pole/Log	8	120	Balsam Fir		Medium	< 5 feet	Sapling
						Quaking Aspen		High	5 - 10 feet	Sapling
						Black Cherry	Low	5 - 10 feet	Sapling	
61	4130 - Aspen	Sapling Well	1.7	17	Immature	N/A	Stand was final harvested in 2006 all oak was left. Aspen has come back thick.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Oak		5	Log/Pole	10						
Bigtooth Aspen		95	Sapling	1	17					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
62	4131 - Aspen, Oak	Poletimber Well	8.2	36	81-110	N/A	Three small separate units which were final harvested in 1986. All oak was left. Regenerated well to aspen and red maple. Scattered log oaks. Leave stand for scattered diversity within already cut areas.																																								
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63	6120 - Lowland Cedar	Poletimber Well	3.7	120	81-110	N/A	Small cedar stand with mix of balsam, aspen and red maple. No understory and not managed by adjacent harvest. Private to south.																																								
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64	4139 - Aspen, Mixed Deciduous	Sapling Well	9.4	8	Immature	N/A	Mixed maple beech hardwood with significant aspen component. Quite a bit of beech. STAND was final harvested in 2016, was a chipping operation. All red pine was left. Aspen came back well.																																								
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65	4130 - Aspen	Sapling Well	78.4	26	201+	N/A	Stand was final harvested in 1997. Regenerated to mostly aspen, old skid roads throughout. A few log oaks left in stand. Lowland character around border of stand as in heads down to the cedar stands surrounding.																																								
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66	4199 - Other Mixed Upland Deciduous	Sapling Well	50.0	7	Immature	N/A	Stand was marked thinning cut in 2006. All aspen, ironwood and beech under 8 inches in diameter was also cut. Oak stand with hardwood component throughout. Thick beech regen throughout. Significant beech component. Oak more concentrated in west end. Amount of beech looks to warrant salvage sale. STAND was cut again in April 2016 all oak was left along with a few scattered maple/beech. Aggressive treatment to fight beech regeneration concerns.																																								
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67	6120 - Lowland Cedar	Poletimber Poor	8.7	120		N/A	Stand was final harvested in 1997, with all cedar being left. Cedar overstory with aspen, red maple and balsam fir in the understory. Cedar blowdown in pockets.																																																			
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68	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	10.8	66	81-110	N/A	Good mix of aspen, fir, maple. Scattered red and white pine as well. Isolated 40 of compartment. Upland although hummucky ground. Some overmature aspen clones in stand.																																																			
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69	6118 - Lowland Deciduous with Cedar	Sapling Well	6.4	22	201+	N/A	Habitat cut in 2001(Hand Cut). Coverttype objective of cut was Aspen.Regenerated well to aspen dominated mix. Lowland site with scattered cedar left and lots of blowdown.																																																			
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71	42110 - Planted Red Pine	Sawtimber Medium	21.3	65	81-110	N/A	Stand was thinned in 2009, with all aspen, jack pine and maple also being cut. Red pine overstory appears natural but was planted. Aspen, beech and red maple regenerated from cut. Variable stange shaped stand.																																																			
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72	4130 - Aspen	Sapling Well	21.1	17		N/A	Stand was final harvested in 2006 all oak was left. Aspen has came back well. Widely scattered oak. Old landing in west border of stand.																																																			
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73	4130 - Aspen	Sapling Well	17.4	16	201+	N/A	Stand was final harvested in 2007. Came back thick to aspen. Regen Twenty feet tall. (JV)																																																	
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74	4119 - Mixed Northern Hardwoods	Sawtimber Medium	9.5	97	81-110	N/A	Stand was thinned in 1998. Good maple regenerated following last cut. Stand gets a little wet on north end. Decent amount of yellow birch. Ba is 85 to 90. there are some spots where it is less then 50 ba.																																																	
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75	622 - Lowland Shrub	Nonstocked	3.6			No																																																		
76	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	3.0	97	51-80	N/A	Small upland hardwood with conifer component. Some nice hemlock scattered in stand.																																																	
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77	4123 - Red Oak	Sawtimber Medium	13.5	96	1-50	N/A	Oak - aspen semi open stand with some red maple. Poorer quality stems, open grown with limited regen. Stand was harvested in 2016, all maple and aspen was cut with the oak being thinned. (Was chipped)																																																	
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78	310 - Herbaceous Openland	Nonstocked	1.4			No																																																		
79	4136 - Aspen, Mixed Conifer	Sapling Well	1.7	22	81-110	N/A	Habitat cut in 2001(Hand Cut). Covertype objective of cut was Aspen. Regenerated to aspen, black ash and some fir. Lowland site. Scattered mature cedar in overstory.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
80	6120 - Lowland Cedar	Poletimber Poor	11.0	120		N/A	Stand was final harvested in 1997 with all cedar being left. Aspen saplings overtopped by cedar and some balsam left from harvest. Tag alder mixed in as well. Two aged stand.																																													
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81	6120 - Lowland Cedar	Poletimber Well	25.8	120	171-200	N/A	Lowland cedar swamp, with thick balsam understory in pockets. Very good stand for thermal cover. Stand is more wet to south and west. Some cedar flooded out.																																													
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82	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	2.2	79	81-110	N/A	Lowland mix of ash, cedar, balsam. Variable size classes with some blowdown. Stand is wet and will likely wont be cut for a very long time.																																													
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83	4130 - Aspen	Sapling Well	13.3	17	Immature	N/A	Stand was final harvested in 2006 all oak was left. Aspen has come back well. Widely scattered oak.																																													
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84	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	22.8	120		N/A	Cedar stand with mix of balsam, aspen, red maple, paper birch. Scattered legacy pine. Variable size classes. Aspen concentrated in north. More upland character in north as well.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
85	6112 - Lowland Aspen	Sapling Medium	4.1	15		N/A	Cedar strip cut in Jan of 2008. Cedar strip cut which came back to patchy aspen. Semi open in pockets. Will fill in with time.		
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		90	Sapling	1	15				
Red Maple		10	Sapling	1					
86	4123 - Red Oak	Sawtimber Poor	22.8	102	1-50	N/A	Oak was thinned in spring of 2007. All aspen and maple was also cut. Aspen and red maple are slowly filling in more open pockets. Low to medium quality oak. Little to no oak regen. Limited regen under oaks.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		100	Log/Pole	15	102	Bigtooth Aspen	Low	Variable	Sapling
						Beech	Low	5 - 10 feet	Sapling
						Red Maple	High	5 - 10 feet	Sapling
87	42310 - Planted Spruce	Poletimber Well	18.6	66	111-140	N/A	Planted pole spruce. Some red maple mixed in.		
Canopy Species		% Cover	Size Class	DBH	Age				
White Spruce		85	Pole	8	66				
Red Maple		15	Pole/Log	8					
88	4130 - Aspen	Sawtimber Well	19.7	52	111-140	N/A	Aspen stand with a mix of red maple and oak. A little red pine and balsam fir mixed into the southern portion of stand. Pole oaks concentrated in northeast portions of stand. Couple legacy red pines in northeast too.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		5	Pole	9		Beech	Medium	< 5 feet	Sapling
Red Maple		7	Log/Pole	10		Black Cherry	Low	Variable	Sapling
Red Oak		15	Log/Pole	11		Red Maple	Low	Variable	Sapling
Bigtooth Aspen		61	Log/Pole	10	52				
Balsam Fir		8	Pole	8					
Red Pine		4	Log	12					
89	42110 - Planted Red Pine	Poletimber Well	0.9	61	81-110	N/A	Two small islands of planted red pine.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Pole	7	61				
90	4130 - Aspen	Sapling Well	26.8	26		N/A	Stand was final harvested in 1997. A few oaks were left. Regenerated thick back to aspen.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Oak		5	Log/Pole	13					
Red Maple		10	Sapling	4					
Bigtooth Aspen		85	Sapling	4	26				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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92	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	5.4	120		N/A	Small mixed lowland with cedar, hemlock, aspen, balsam, red maple and lecacay white pine. Variable stand. Hummucky ground with a quite a bit of downed snags. CWD
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	6	Log/Pole	10	
Quaking Aspen	22	Log/Pole	10	
Northern White Cedar	25	Log/Pole	10	120
Red Maple	24	Log/Pole	11	
Balsam Fir	10	Pole	6	
Hemlock	8	Pole	7	
White Pine	5	XLog/Log	18	

93	4199 - Other Mixed Upland Deciduous	Poletimber Medium	5.9	50	81-110	N/A	Stand was cut in 1973. Small open mix of oak, cherry, red maple and scattered spruce. Mostly stump sprout origin.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole	8	
Red Oak	35	Pole	8	50
White Spruce	10	Pole	6	
Black Cherry	25	Pole	6	

94	4131 - Aspen, Oak	Poletimber Well	47.4	35	141-170	N/A	Stand was final harvested in 1987 all oak was left. Mature log oak scattered in northwest portion of stand. Aspen almost still sapling size.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	60	Pole/Sapling	5	35
Red Maple	20	Pole/Sapling	5	
Red Oak	20	Log/XLog	14	

95	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	5.3	105	81-110	N/A	Scattered log oak stand with red maple. White Spruce of variable diameters throughout; mostly in understory. BA is on the lower end of range and not ready yet.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Log/Pole	11	
Red Oak	45	Log/XLog	13	105
White Spruce	35	Pole/Sapling	5	
Beech	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Sapling
Red Oak	Low	Variable	Sapling
White Spruce	Medium	Variable	Sapling

96	4123 - Red Oak	Sawtimber Poor	12.0	100	1-50	N/A	Stand was thinned in 2008 all aspen and maple were also cut. Log oak overstory a couple scattered red pines as well. Limited regen, some red maple stump sprouts. A couple white spuce scattered in northern portion of understory. Deer browse heavy.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	96	Log/XLog	15	100
Red Pine	4	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	Sapling
White Spruce	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
97	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	9.3	62		N/A	Densely planted pole spruce, with scattered oak and red maple mixed in. A few scattered red pine as well.																																				
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98	42110 - Planted Red Pine	Poletimber Well	116.0	61	51-80	N/A	Stand was Third Row thinned in 2008. (All aspen was also cut in the designated rows)Decent quality plantation. Some aspen whips in open pockets of plantation otherwise limited understory.																																				
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99	4130 - Aspen	Sapling Well	13.6	24	201+	N/A	Stand was final harvested in 1999. Came back well with the exception of one low spot which is flooded. Some lowland character in stand. A few cedar and balsam were left in south end of stand.																																				
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100	429 - Mixed Upland Conifers	Poletimber Medium	47.0	66	111-140	N/A	Hodgpodge of aspen with planted white spruce competing for canopy space. Variable diameters, with mature red pine pockets scattered in as well. Aspen and spruce need time to mature.																																				
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102	42210 - Natural Red Pine	Sawtimber Poor	60.1	81	51-80	N/A	Stand was harvested over the course of two years in 1996 and 1997. (Southern half was cut first) All pine and some oak was left throughout stand. Currently log red and white pine overstory with good aspen regen throughout stand. Pine concentrated and not evenly distributed throughout stand. Variable diameters in pine. Some pockets of stand are solid aspen where very few pine were. Enough pine throughout to make up overstory.																																				
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103	4134 - Aspen, Spruce/Fir	Poletimber Well	47.2	54	171-200	N/A	Pole aspen with significant mix of balsam fir. Balsam thicker in west end of stand. A few scattered cedar pockets are scattered in stand as well. Too small to map, although should be noted for future management. Variable diameters in pockets, with a few older clones in stand, although mostly uniform.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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104 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 11.2 120 N/A Lowland cedar, with mix of paper birch, balsam, red maple, hemlock, as well as scattered lecacypine. Hummucky ground with the cedar concentrated in the southern 3/4 of the stand. Northern tip of stand in more scattered pine and lowland hardwood.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	8		Balsam Fir	Medium	Variable	Sapling
White Pine	10	XLog/Log	18		Red Maple	Medium	Variable	Sapling
Hemlock	5	Pole	6					
Quaking Aspen	5	Pole	6					
Red Maple	15	Log/Pole	11					
Paper Birch	10	Log/Pole	10					

105 310 - Herbaceous Openland Nonstocked 2.9 No

106 6120 - Lowland Cedar Poletimber Well 21.6 120 171-200 N/A Lower cedar complex with a mix of black ash, red maple, balsam, and aspen of various age classes. Overmature aspen scattered and falling apart. Less cedar to east end, more flooded out on this end. Pockets of lowland hardwood younger age class in stand as well.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	8	
Paper Birch	5	Pole/Log	9	
Balsam Fir	10	Pole/Log	9	
Northern White Cedar	50	Log/Pole	10	120
Black Ash	15	Pole/Log	8	
Quaking Aspen	10	Log	11	

107 6112 - Lowland Aspen Sapling Medium 2.1 17 201+ N/A Habitat strip cut done in 2006. (Final Harvest) Came back to mix of aspen, red maple and some balsam. A few cedar were left standing. Semi open from lower ground flooding. Very hummocky ground with a good amount of downed wood.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	4	
Balsam Fir	20	Sapling	4	
Black Ash	10	Sapling	4	
Quaking Aspen	50	Sapling	4	17

108 6230 - Cattail Nonstocked 3.8 No Cedar Habitat cut which flooded out. Came back to mostly cattail. Some aspen clones. 11/22 Ceader is starting to come up. It is not tall enough to call forested yet.

109 42110 - Planted Red Pine Sawtimber Well 41.6 75 81-110 N/A Red Pine stand which as harvested in 2008 as part of a marked pine thinning. All aspen, birch, red maple, jack pine was also cut. Appears almost natural after cut. Scattered oak throughout as well.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	90	Log	11	75	Red Maple	Low	Variable	Sapling
Red Oak	10	Log	15		Beech	Low	5 - 10 feet	Sapling
					Bigtooth Aspen	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
110	42110 - Planted Red Pine	Sawtimber Well	10.6	71	111-140	N/A	Plantation red pine which was thinned in 2008. Some variable diameters, with scattered legacy pine on the western edge of stand. Northwest portion is natural log pine, but majority is planted pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		88	Log/Pole	12	71	White Pine	Medium	Variable	Sapling
Red Maple		5	Log/Pole	12		Beech	Low	Variable	Sapling
Balsam Fir		2	Pole	8		Red Maple	Medium	Variable	Sapling
White Pine		5	Log/Pole	10		Red Oak	Low	Variable	Sapling
111	4130 - Aspen	Poletimber Well	33.9	35	201+	N/A	Stand was final harvested in 1987. Aspen came back well, almost still a sapling stand. Scattered pole white pine in stand.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		10	Pole	5	35				
White Pine		8	Pole/Log	9					
Bigtooth Aspen		82	Pole	5	35				
112	42110 - Planted Red Pine	Sawtimber Well	1.4	81	51-80	N/A	Small stand of red pine with scattered white pine. Portions were thinned with adjacent cut. Appears natural visually.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		10	Log	14		Quaking Aspen	High	Variable	Sapling
Red Pine		90	Log	12	81	Red Oak	Low	Variable	Sapling
						Beech	High	Variable	Sapling
113	621 - Floating Aquatic	Nonstocked	2.4			No			
114	6120 - Lowland Cedar	Poletimber Well	20.5	118	51-80	N/A	Lowland dense stand of cedar, with paper birch, red maple and scattered super canopy white pine. No understory. Some blowdown, but not much.		
Canopy Species		% Cover	Size Class	DBH	Age				
Black Ash		10	Pole	8					
Red Maple		10	Pole	9					
Paper Birch		10	Pole/Log	9					
Northern White Cedar		60	Pole/Log	9	118				
White Pine		10	XLog/Log	21					
115	330 - Low-Density Trees	Nonstocked	3.6			No	Stand is starting to fill in with aspen, red maple, and white pine.		
116	4136 - Aspen, Mixed Conifer	Poletimber Well	8.8	52	Unspecified	N/A	Mixed stand of aspen, oak, balsam, red maple, with scattered pine. Variable stand. A few small hemlock too.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		51	Pole	7	52	Red Maple	Low	Variable	Sapling
Red Oak		5	Pole/Log	8		Balsam Fir	Low	Variable	Pole
Hemlock		3	Pole	5		Beech	Low	Variable	Pole
White Pine		6	Log/XLog	17					
Red Pine		5	Log	12					
Red Maple		20	Pole	7					
Balsam Fir		10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
117	42210 - Natural Red Pine	Sawtimber Poor	9.7	99	51-80	N/A	Was harvested in 2008 as part of a marked pine thinning. All aspen, birch, red maple, jack pine was also cut. Currently scattered widely spaced log red pine overstory, with aspen and red maple filling in.																																					
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118	42310 - Planted Spruce	Poletimber Well	10.4	66	171-200	N/A	Planted white spruce, dense plantation. No understory. Good thermal cover.																																					
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119	4311 - Pine, Aspen Mix	Poletimber Poor	1.3	30	51-80	N/A	Almost an opening stand is filling in with scotch pine.																																					
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120	42120 - Planted Jack Pine	Poletimber Well	5.3	65	51-80	N/A	Planted jack pine with minor mix of aspen. Very dense planting.																																					
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121	4130 - Aspen	Sapling Well	10.4	17	201+	N/A	Stand was final harvested in 2006 with all oak, cedar, hemlock, and red pine left. Aspen came back thick, widely scattered red pine and oak logs in overstory.																																					
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122	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	7.0	66	81-110	N/A	Plantation spruce with a mix of aspen and some scattered oak.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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123 4130 - Aspen Sapling Well 15.3 17 171-200 N/A Stand was final harvested in 2006 with all oak, cedar, hemlock, and red pine left. Aspen and red maple came back well, scattered oaks and a couple cedar and red pine left in overstory. Very scattered.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	70	Sapling	1	17
Red Pine	5	Log	14	
Red Oak	5	Log/Pole	12	
Red Maple	15	Sapling	1	17
Northern White Cedar	5	Pole	7	

124 4130 - Aspen Sapling Well 15.8 24 201+ N/A Stand was final harvested in 1999. Upland stand although southern portion has a little lowland character.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	4	24
Quaking Aspen	40	Sapling	4	24
Balsam Fir	10	Sapling	3	
Bigtooth Aspen	40	Sapling	4	24

125 4130 - Aspen Sapling Well 12.2 8 Immature N/A Stand was final harvested in 2016, was a chipping operation. All white pine was left.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling	1	
Red Maple	10	Sapling	1	
White Pine	5	Log/Pole	13	
Bigtooth Aspen	70	Sapling	1	8
Paper Birch	5	Sapling	1	

126 42121 - Planted Jack Pine, Mixed Deciduous Poletimber Well 15.9 65 1-50 N/A Planted small pole jack pine with heavy mix of aspen and red maple throughout. Not as good shape as jack pine stand to west, more broken up.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	10	
Paper Birch	5	Pole	9	
Bigtooth Aspen	15	Pole	9	
Jack Pine	65	Pole	7	65

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	< 5 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling
White Pine	Medium	< 5 feet	Sapling

127 4133 - Aspen, Mixed Pine Sawtimber Well 31.4 52 111-140 N/A Aspen dominated complex with mix of white pine, balsam, and red maple. A small pocket of log red and white pine concentrated by road. More lowland character on far southern end of stand. Private to east.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	2	Log/Pole	11	
Red Maple	10	Pole	8	
Bigtooth Aspen	50	Log/Pole	10	52
Balsam Fir	15	Pole	8	
Red Pine	5	Log	13	
Hemlock	3	Log	11	
White Pine	15	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
Balsam Fir	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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128 6120 - Lowland Cedar Poletimber Well 4.3 115 141-170 N/A Small sliver of cedar swamp, Most of the swamp is in compartment to south. Some legacy white pine in stand.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	6	
Quaking Aspen	10	Pole	7	
Northern White Cedar	60	Pole	8	115
Paper Birch	10	Pole	6	
White Pine	5	Log/XLog	17	
Red Maple	5	Pole	7	

130 6113 - Lowland Maple Sapling Well 4.3 8 Immature N/A Lowland hardwood logs sized stand. Mostly maple and yellow birch. STAND was final harvested in 2016 summer, all cedar and white pine was left. was lumped in with red pine sale to north. Short wood operation.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	75	Sapling	1	8
Northern White Cedar	5	Pole	6	
White Pine	2	Pole	8	
Quaking Aspen	5	Sapling	1	
Yellow Birch	13	Sapling	1	

667 4199 - Other Mixed Upland Deciduous Sawtimber Well 25.6 105 51-80 N/A Portion of stand to east that was left. Is heavier to oak so was avoided with hardwood final harvest to east. Stand is not ready for a thinn.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Log/Pole	11		Red Maple	High	10 - 20 feet	Sapling
Beech	5	Log/Pole	13		Red Oak	Low	5 - 10 feet	Sapling
Red Oak	55	Log	12	105	Black Cherry	Low	10 - 20 feet	Sapling
Sugar Maple	25	Log/Pole	12		Beech	Medium	10 - 20 feet	Sapling