



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71035

Entry Year 2021

Acreage: 3,168

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2019-06-12

Stand Examiner: Jason Lewicki

Legal Description:

T24N, R02W sections 2, 11, 12, 13, 14, 23 and 24

Identified Planning Goals:

Maintain current age and species diversity in a range of early and late successional ecosystems as determined by the AuSable outwash Management Area plan.

Soil and topography:

The topography is generally flat to gently rolling.

Soils on the uplands consist of Greycalm and Grayling sands. The lowlands are dominated by Tawas-Lupton Mucks.

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

Ownership within the compartment is a mix of private ownership and state ownership. The Village of Roscommon lies just 4 miles to the west of this compartment.

Unique Natural Features:

The South Branch of the AuSable River flows through the compartment. It falls under the Natural Rivers Act.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Compartment contains a large portion of the Hudson Creek complex Ecological Reference Area (ERA). A small portion of this ERA is in Compartment 66 to the east.

Watershed and Fisheries Considerations:

The South Branch of the AuSable River and Hudson Creek flow through this compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 2, 11-14, & 22-24, T24N-R2W, Roscommon County

Active sand & gravel operations are not located in the area, but there should be good sand & gravel potential on the uplands in the compartment. The St. Helen oil and gas field is located less than one mile east of the compartment, and the Hickey Creek field is to the north. The St. Helen field, like most other Detroit River (Richfield) fields in this area, is structurally controlled. The field is undergoing secondary recovery operations currently and is unlikely to expand. Nearly all the mineral rights within the compartment and much of the surrounding area are currently under lease. These leases were originally acquired by Marathon in a 2014 auction as they pursued unconventional development of the Lucas Formation (Richfield zone). Marathon has since abandoned their plans. Marathon's remaining leases were recently acquired by CORE Energy. It is not known whether CORE intends to develop the leases in this area or let them expire next year. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access on the far north and south ends of the compartment is very good. The central part of the compartment is very poor due to private property and lowland cover types.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

No Designated Trails are present within the compartment. However dispersed recreation is popular throughout the compartment from the access to water resources and varying cover types offering hunting and gathering (Mushrooms/Berries) opportunities. Consider visual impact for I-75 corridor users.

Fire Protection:

This compartment has a history of low fire occurrence. Most of this compartment is low ground that may cause accessibility issues for fire suppression. There are some private holdings within the compartment causing some wildland/urban interface. There is also some high hazard pine fuel types in the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

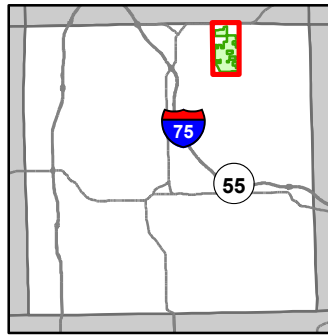
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

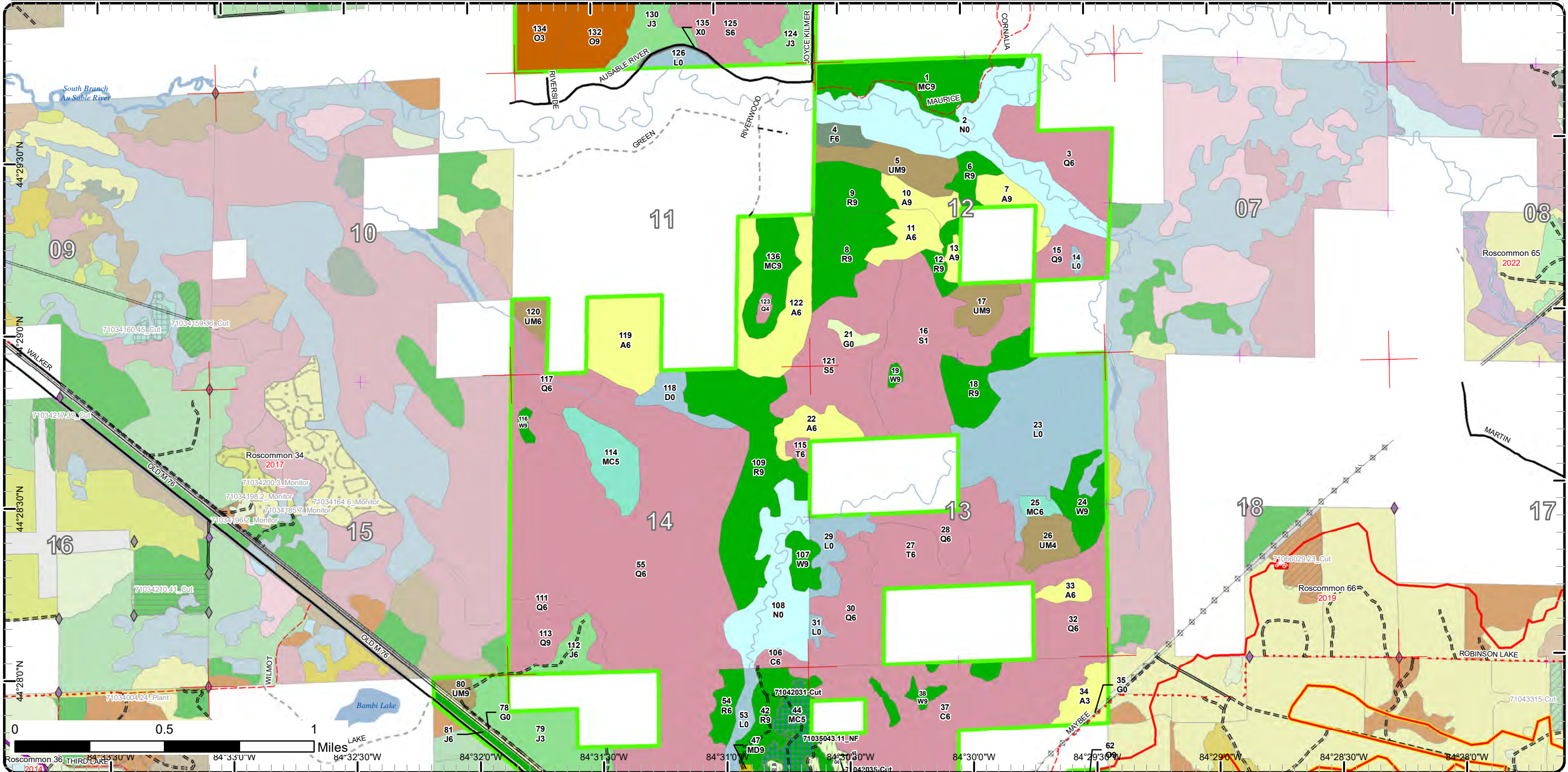
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 35
 T24N, R02W, Sec. 2, 11-14, 22-24
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2021
 Acres: 3,168 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 11/21/2019
 Map Phase: Post-Review

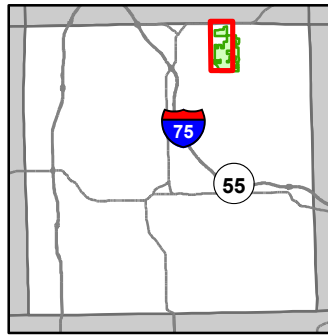


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Opening Maintenance
- 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
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland

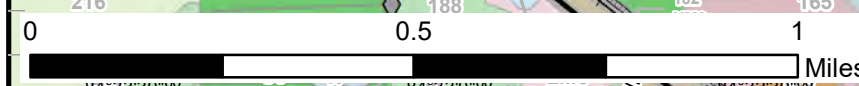
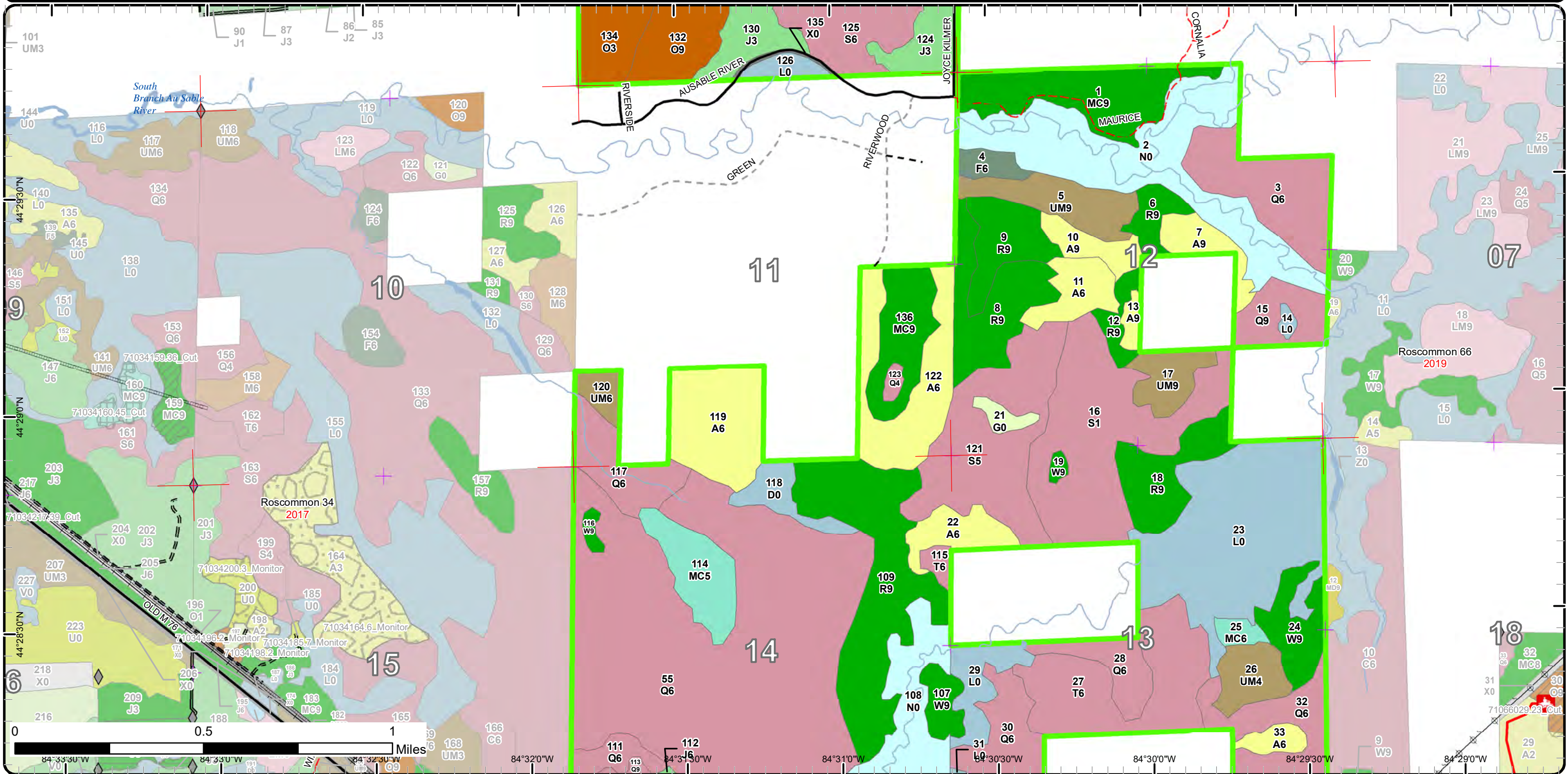


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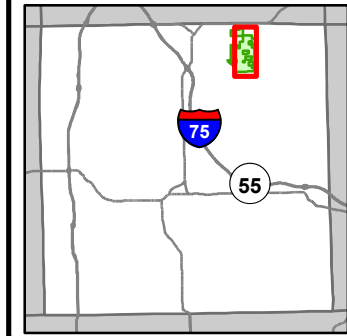
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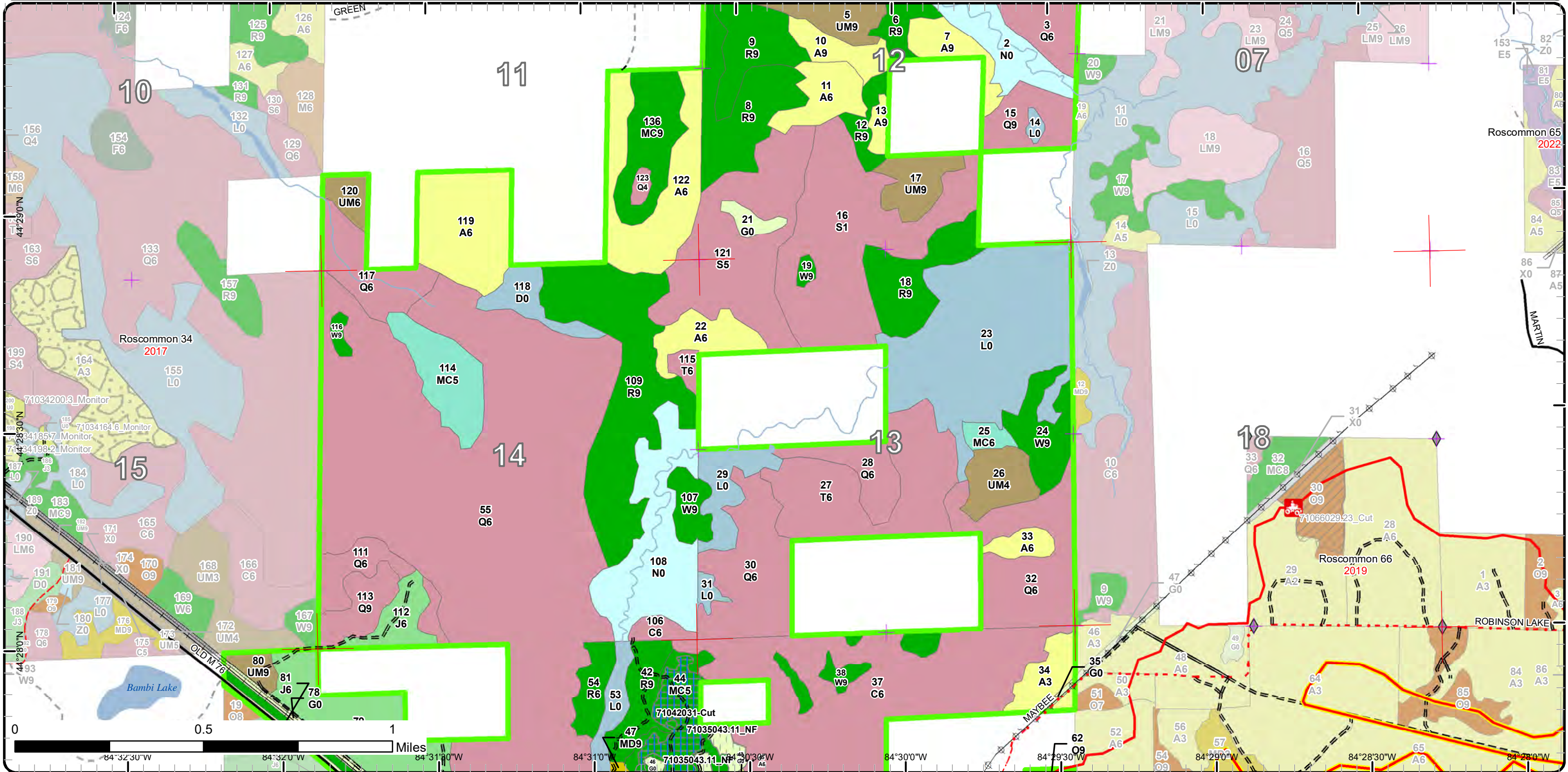
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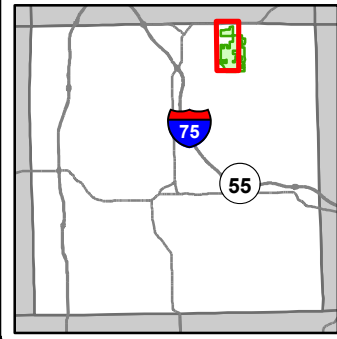


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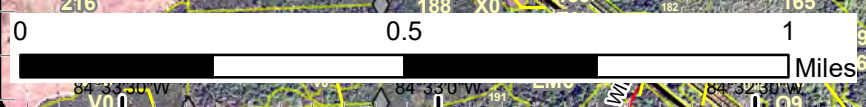
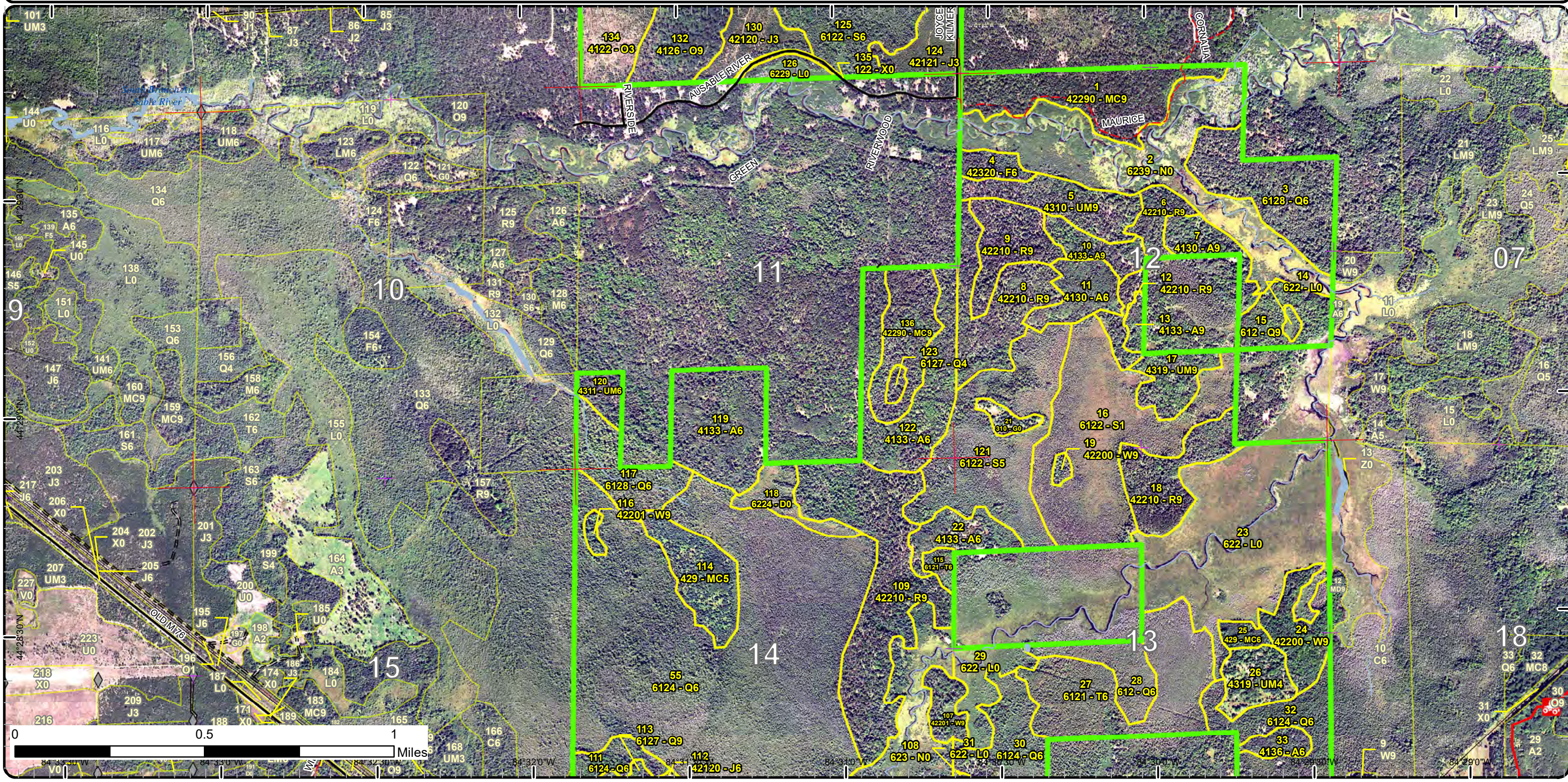


Stand Boundary Map

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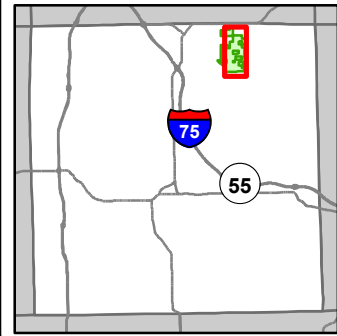
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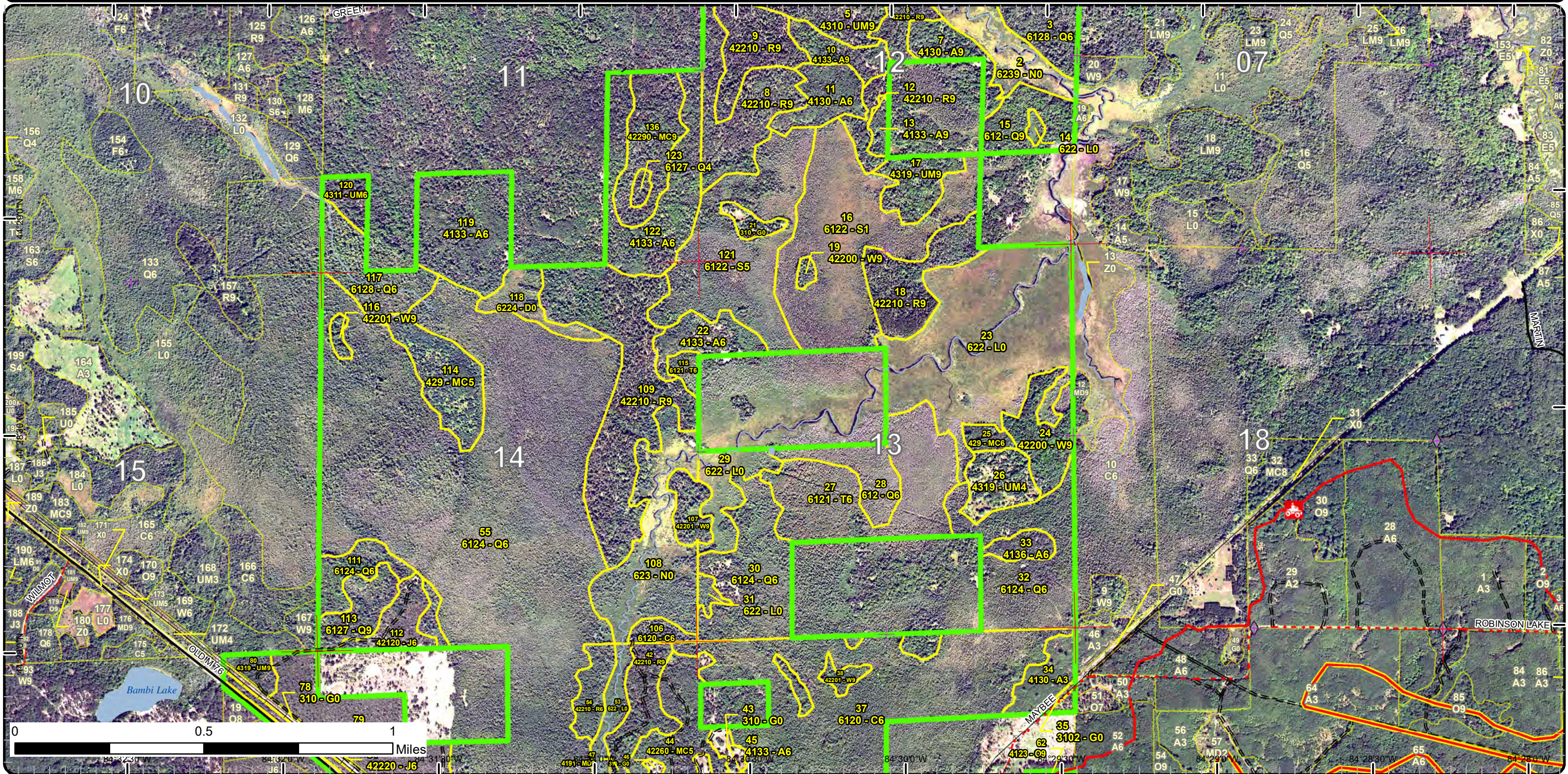
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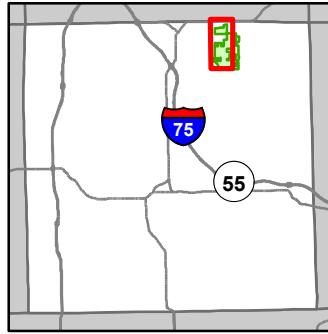


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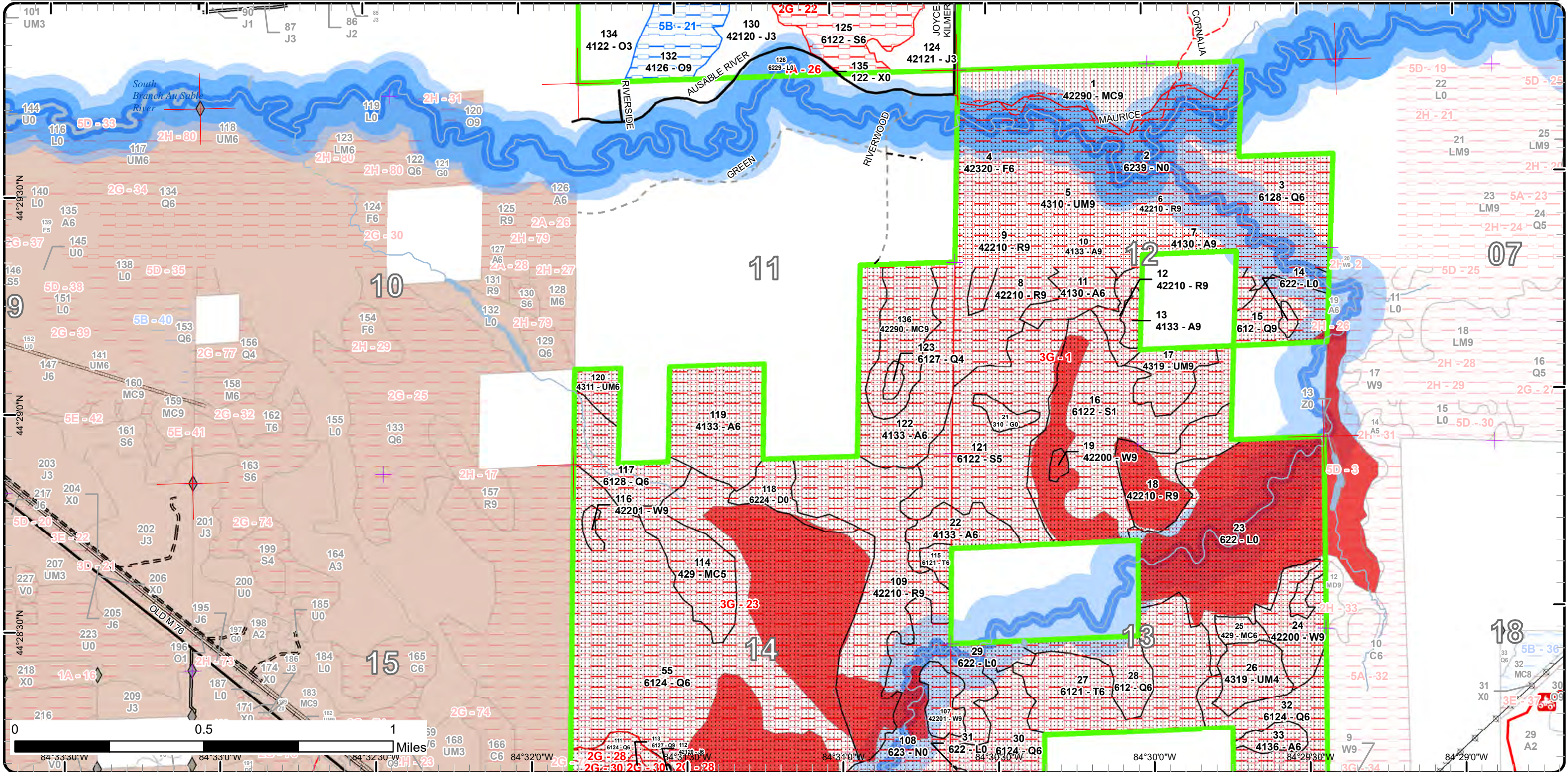


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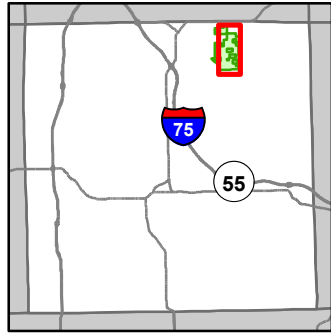


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- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 1A: Federal/State/Local Law
- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands
- Other SCA (No Category Assigned)

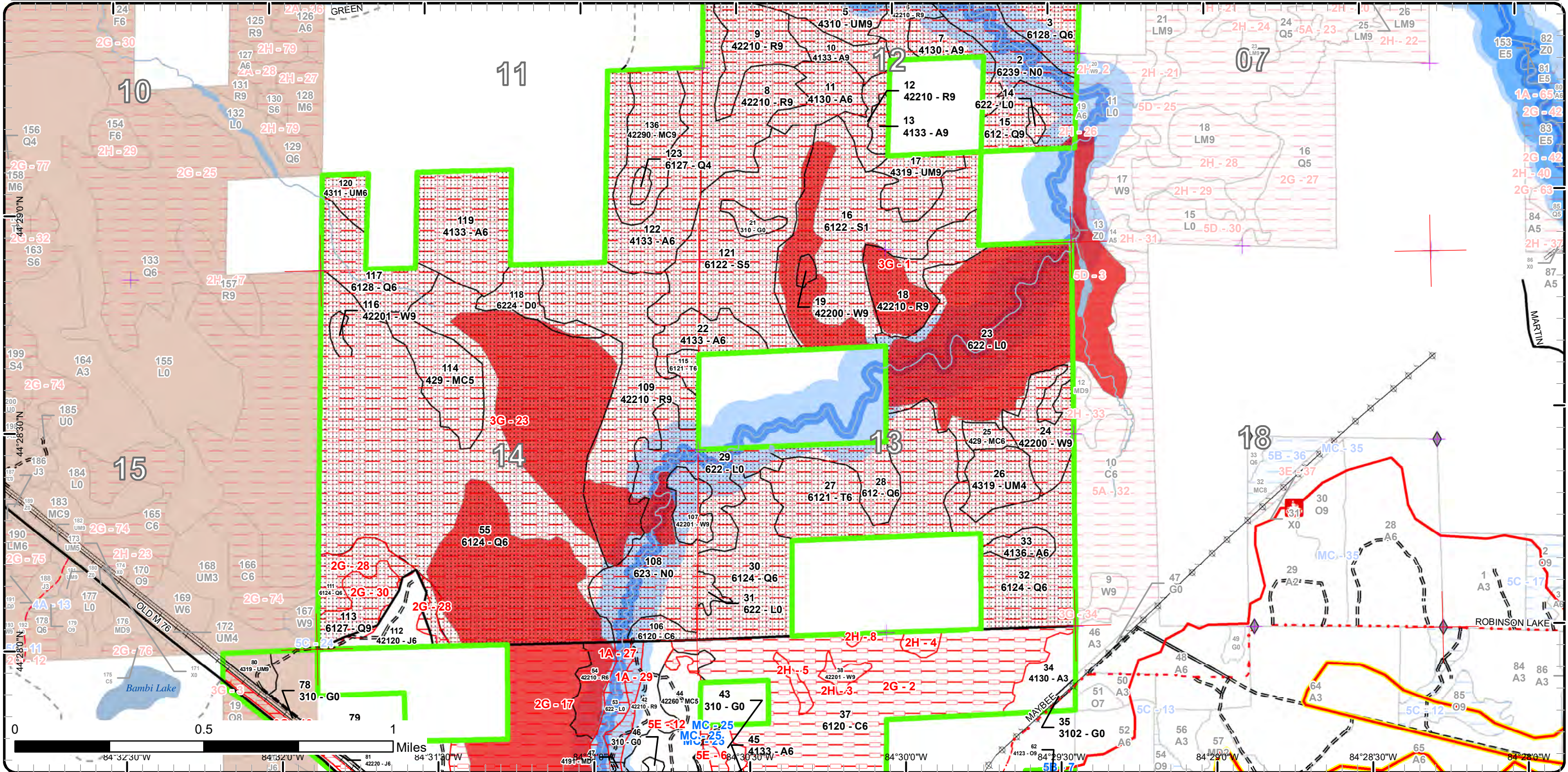


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- Available w/ Constraints
- Unavailable
- 3G: Other Influence zones - See comments
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer
- Other SCA (No Category Assigned)
- 5B: Maintain for regeneration purposes
- 1A: Federal/State/Local Law
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)



Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 35 Year of Entry 2021



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	69	16	45	64	66	5	0	49	19	0	13	0	0	0	0	0	0	346
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	0	212	40	0	0	0	0	0	252
Herbaceous Openland	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Jack Pine	0	34	33	32	47	82	0	0	0	9	0	0	0	0	0	0	0	0	237
Lowland Conifers	0	0	0	0	0	0	0	3	5	0	31	197	483	0	0	0	0	36	755
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Lowland Shrub	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185
Lowland Spruce/Fir	0	0	0	0	0	0	0	60	0	0	79	97	0	0	0	0	0	0	235
Marsh	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160
Mixed Upland Deciduous	0	2	0	8	14	14	18	0	0	0	0	0	0	0	0	0	0	0	55
Natural Mixed Pines	0	0	0	0	0	38	0	0	0	5	50	0	0	30	0	0	0	0	123
Oak	0	0	54	0	15	2	0	0	0	0	0	29	0	38	0	0	0	0	137
Planted Mixed Pines	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Red Pine	0	0	0	0	0	0	0	0	0	0	86	114	12	0	0	0	0	46	258
Tamarack	0	0	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	4	69
Treed Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	29	5	0	0	0	0	0	0	0	0	20	0	0	0	0	54
Upland Mixed Forest	0	0	0	0	0	49	24	0	0	8	0	45	0	0	0	0	0	0	126
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Urban	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	0	0	0	0	0	25	11	12	0	0	0	3	50
Total	435	105	103	141	145	251	47	63	54	41	249	805	546	100	0	0	0	89	3170



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 35
Total Compartment Acres: 3,168

Commercial Harvest - 64
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	28	0	0	0	0	0	0	0	0	28
Mixed Upland Deciduous	6	0	0	0	0	0	0	0	0	6
Natural Mixed Pines	0	0	0	29	0	0	0	0	0	29
Total	35	0	0	29	0	0	0	0	0	64

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	64	0	0	0	0	0	0	0	25	89
Next Step	0	0	0	0	0	0	64	0	25	89
Total	64	0	0	0	0	0	64	0	49	177



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

43	71035043.11_ NF	8.0	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco-St. Helen Field 4.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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 /2017</p>											
46	71035046.3_N F	2.6	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco-St. Helen Field 5.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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 /2017</p>											
51	71035051.2_N F	3.2	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco-St. Helen Field 6.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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 /2017</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
65 71035065.1_N F	10.9	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco-St. Helen Field 7.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2017</p>										
44 71042031-Cut	29.3	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	45	51-80	Harvest	Seed Tree with Retention	42121 - Planted Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> final harvest and allow to regenerate naturally, mark up to 10 SF per acre of oak and jack pine to leave for a seed source, retention will be</p> <p><u>Specs:</u> the area between the arms of the grassy opening and buffers on the openings and swamp, line out a couple of areas of W6 and R9 for diversity</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of natural jack pine and other species to a fully stocked stand, trench and plant jack pine if stand is not fully stocked</p> <p><u>Other Comment:</u> may need survey to locate/set NW corner of private parcel, SW corner is in but NW corner was never found, add protection specs and signing specs for the ORV trail</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2017</p>										
45 71042035-Cut	22.9	4133 - Aspen, Mixed Pine	Poletimber Well	45	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest for aspen management, mark up to 2 oaks/acre for wildlife mast, line out up to 2 areas heavy to W6 or RP SL for diversity, no</p> <p><u>Specs:</u> retention of aspen as the intent is to expand the aspen into areas which are not aspen now, buffer swamp edge and grassy openings as necessary</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of aspen and other species to a fully stocked stand</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2017</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
66 71042054-Cut	6.3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	52	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<u>Prescription Specs:</u> Final harvest and manage for mix of oak/aspens/JP, leave all oak and white pine, leave north arm off the sale for retention and buffer swamp edge for BMP's <u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate) <u>Acceptable Regen:</u> Any combination of jack pine and hardwoods to a fully stocked stand <u>Other Comment:</u> trench and plant red pine if natural regeneration fails, no specific retention due to the small size of the cut <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2017										
50 71042139-Cut	5.5	4133 - Aspen, Mixed Pine	Poletimber Well	52		Harvest	Clearcut	413 - Aspen	Even-Aged	No
<u>Prescription Specs:</u> final harvest with no retention due to forest health concerns and size/configuration of the stand, leave all oak for wildlife mast <u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory) <u>Acceptable Regen:</u> Any combination of aspen and other species to a fully stocked stand <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2017										

Total Treatment Acreage Proposed: 88.7

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 35
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
345	173	0	172
3	3	0	0
252	1	0	251
71	66	0	5
236	227	0	9
754	0	0	754
3	0	0	3
185	2	0	183
235	0	0	235
160	5	0	155
55	46	0	8
123	75	0	48
137	72	65	0
27	27	0	0
258	39	0	218
70	0	0	70
14	0	0	14
54	0	0	53
126	53	0	72
8	0	0	8
2	2	0	0
50	0	0	50
3,168	793	66	2,309
	25%	2%	73%

Dominant Site Conditions

	Dominant Site Conditions												
	5B	5C	MC	1A	2G	2H	3G	3K	5A	5D	5E		
Aspen					1		170	0				1	
Bog													
Cedar				0	246	0	6					0	
Herbaceous Openland				0	0		5	0				0	
Jack Pine	0	0			0		9						
Lowland Conifers					189	0	565		0	0			
Lowland Deciduous					3								
Lowland Shrub				40	0		143	0		0			
Lowland Spruce/Fir					60		175						
Marsh							155						
Mixed Upland Deciduous				6	1							2	
Natural Mixed Pines			0		3		37	5				3	
Oak	65				0								
Planted Mixed Pines													
Red Pine				7	12		199					0	
Tamarack							70						
Treed Bog							14						
Upland Conifers					0		34	20					
Upland Mixed Forest				2	0		70						
Upland Spruce/Fir							8						
Urban					0								
White Pine						12	38		0	0			
Total Forested Acres	66	0	0	54	514	12	1,698	24	0	0	7		
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	3G: Other Influence zones - See comments	954	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Part of Hudson Creek Swamp SCA							

Report 4 – Site Conditions

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2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	202	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5B: Maintain for regeneration purposes	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
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Compartment: 35
Year of Entry: 2021

8	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3K: Rare or unique landforms	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: checked during spruce budworm analy							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3K: Rare or unique landforms	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 35
Year of Entry: 2021

14	Unavailable	3K: Rare or unique landforms	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: checked during spruce budworm analy							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	150	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3G: Other Influence zones - See comments	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Visuals on M-76							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 35
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21	Available	5B: Maintain for regeneration purposes	38	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3G: Other Influence zones - See comments	735	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2G: Too wet (sensitive soils, does not include access issues)	1A: Federal/State/Local Law	Unspecified
Comments: hudson creek swamp, blocked by low weight, private bridge/propety on the north and a large area of wet swamp to the south							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	Minor Change in Acreage	0				
Comments:							
26	Unavailable	1A: Federal/State/Local Law	7	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
Comments: Natural River corridor							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 35
Year of Entry: 2021

27	Unavailable	1A: Federal/State/Local Law	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural River Buffer							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	1A: Federal/State/Local Law	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural River Buffer							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.
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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
1	42290 - Natural Mixed Pine	Sawtimber Well	49.8	97	81-110	N/A	Red and white pine stand that had jack pine and some oak removed in 1982. Mature oak found especially on the east side. Multiple size classes of red and white pine present.																																		
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2	6239 - Mixed Emergent Wetland	Nonstocked	101.3	0		No																																			
3	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	49.0	100	51-80	N/A																																			
4	42320 - Upland Spruce	Poletimber Well	8.1	100	1-50	N/A	Spruce swamp on the edge of the SuSable River marsh.																																		
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5	4310 - Pine, Oak Mix	Sawtimber Well	27.5	100	81-110	N/A	Mixed oak and pine stand. Oak experiencing heavy mortality and decline. Some white pine in understory.																																		
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6	42210 - Natural Red Pine	Sawtimber Well	11.1	100	171-200	N/A	Natural red pine sawtimber stand. Small lightning caused wildfire in 2003 found within stand.																																		
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7	4130 - Aspen	Sawtimber Well	14.6	89	111-140	N/A	Large, old, rotten quaking aspen stand in heavy decline. Some red maple and white pine mixed in.																																		
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8	42210 - Natural Red Pine	Sawtimber Well	38.7	100	81-110	N/A	Mixed pine stand the majority being red pine saw timber. It appears to have some younger age class of aspen and jack pine (prior treatment??). Some oak in understory.																																		
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9	42210 - Natural Red Pine	Sawtimber Well	25.0	100	81-110	N/A	Red pine, jack pine and oak mixed stand. Some oak and red pine in understory.																																
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10	4133 - Aspen, Mixed Pine	Sawtimber Well	12.9	100	81-110	N/A	Older quaking aspen stand mixed with pine. Some red and white pine understory.																																
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11	4130 - Aspen	Poletimber Well	18.0	37	51-80	N/A	Quaking aspen stand just entering pole timber size. Some super canopy red and white pine.																																
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12	42210 - Natural Red Pine	Sawtimber Well	8.5	100	141-170	N/A	Nice natural red pine sawtimber stand with some white pine mixed in. More white pine to the south.																																
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13	4133 - Aspen, Mixed Pine	Sawtimber Well	4.3	89	51-80	N/A	Aspen stand in decline. Hypoxylon present. Some red maple and white pine mixed in.																																
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14	622 - Lowland Shrub	Nonstocked	2.0			No																																	
15	612 - Lowland Coniferous Forest	Sawtimber Well	21.0	94		N/A																																	
16	6122 - Black Spruce	Sapling Poor	97.0	100	51-80	N/A																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
17	4319 - Mixed Upland Forest	Sawtimber Well	17.1	108	81-110	N/A	Large red and white pine mixed with red maple. A few birch and aspen present. Heavy white pine understory.																															
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18	42210 - Natural Red Pine	Sawtimber Well	30.2	100	141-170	N/A	Nice natural red pine stand mixed with some white pine and oak on the north end. South half is beautiful, natural almost solid red pine.																															
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19	42200 - Natural White Pine	Sawtimber Well	2.1	100	111-140	N/A																																
21	310 - Herbaceous Openland	Nonstocked	5.2			No	Small open with white pine slowly encroaching.																															
22	4133 - Aspen, Mixed Pine	Poletimber Well	17.5	40	51-80	N/A	Low quality quaking aspen mixed with some pine.																															
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23	622 - Lowland Shrub	Nonstocked	119.7			No																																
24	42200 - Natural White Pine	Sawtimber Well	22.4	108	171-200	N/A	Stand of large white pine that has some red pine, hemlock and red maple mixed in.																															
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25	429 - Mixed Upland Conifers	Poletimber Well	5.1	34	1-50	N/A																																
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26	4319 - Mixed Upland Forest	Poletimber Poor	17.6	50	1-50	N/A																																



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27	6121 - Tamarack	Poletimber Well	65.4	100		N/A																																														
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28	612 - Lowland Coniferous Forest	Poletimber Well	18.5	100		N/A																																														
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32	6124 - Lowland Spruce-Fir	Poletimber Well	53.3	100	81-110	N/A																																														
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33	4136 - Aspen, Mixed Conifer	Poletimber Well	7.2	45	51-80	N/A	Small island of poletimber aspen.																																													
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Jack Pine	10	Pole	5																																																	
34	4130 - Aspen	Sapling Well	15.5	10	Immature	N/A	Cut summer 2009, extends into 71043 (Stand #31) to the east, nice TA/RM regeneration, scattered oak saps/SL's also																																													
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35	3102 - Grass	Nonstocked	1.2			No	PIPELINE/POWERLINE R.O.W.																																													



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37	6120 - Lowland Cedar	Poletimber Well	198.2	105		N/A	Some records found of old cedar cuts which were attempted in this stand in 1977/78																																																		
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38	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	11.7	127	111-140	N/A																																																			
42	42210 - Natural Red Pine	Sawtimber Well	19.8	115	81-110	N/A	Stand borders Hudson Creek floodplain to the west (HCVA?), may have some hardwoods and/or jack pine taken out in previous YOEs, parts are solid R9 with little understory, other parts are HW's overtop WP saps and poles, other parts are W/R pine XL's over WP saplings, this stand is fairly unique in the RFMU with large pines, lots of blowdown/gaps, regenerating itself to O/S species. Recommend holding for Type 1 and 2 old growth in a future YOE or could thin now using big tree management techniques to enhance OG characteristics.																																																		
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43	310 - Herbaceous Openland	Nonstocked	8.0			Managed Opening																																																			
44	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	38.4	45	51-80	N/A	Stand was cut under several permits in 1974 but they left pole-size R/W pine and oak which are now SL and XL size, some indication of small machine planting of WP in this stand also in 1969, stand is now a mix of JP/WP/Aspen and consists of areas heavy to J6 interspersed with areas of A6 or W6, a lot of the white pine is weeviled, recommend cutting now and regenerating to jack pine																																																		
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45	4133 - Aspen, Mixed Pine	Poletimber Well	26.2	45	81-110	N/A	Stand was cut under several permits in 1974 but left pole size R/W pine and oak which are now mostly log size, stand consist of A6 clones with areas heavy to W6 or J6 or RP SL, aspen is better quality/larger and more dense than the stand to the south (St #29), recommend cutting this stand now to regenerate aspen and balance aspen age classes, stand is somewhat 2 aged but not as much as St #29																																																		
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46	310 - Herbaceous Openland	Nonstocked	1.6			Managed Opening																																																			



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47	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	14.2	46	81-110	N/A	Stand borders floodplain of Hudson Creek to the west which is an HCVA (Tributary to a Natural River), stand is mostly older hardwoods over-topping WP saplings and poles with scattered hardwood saplings and poles, there is some indication that some jack pine and hardwoods were removed in some past YOE's, stand is two-aged going towards all-aged, recommend holding stand until white pine becomes more merchantable, maintain for now as a buffer on the Hudson Creek HCVA																																														
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48	42210 - Natural Red Pine	Sawtimber Well	26.6	119	141-170	N/A	Natural RP mixed with a few hardwoods and WP, hardwoods are mostly in the mid-canopy, mostly an upland stand but there are numerous wet potholes scattered thru-out stand, the east edge has a fairly steep bank grading into the cedar swamp to the east, understory in the wetter areas has lots of BF saplings and the more upland areas are mostly RM/WP saplings, stand is at least 2 and possibly 3 ages going towards or at all-aged, age of the red pine is from the largest/oldest trees with a range of younger ages also, consider thinning to 120 SF but with the WP understory so well distributed thru-out the stand so it would be challenging to treat this stand without destroying all the understory. Recommend holding for Type 1 or 2 old growth at some future YOE.																																														
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49	42290 - Natural Mixed Pine	Sawtimber Well	5.0	85	111-140	N/A	small stand of natural pine, around 50/50 mix of upland and lowland and fairly equal mix of R/W pine, ORV trail goes thru the stand (mostly on boardwalk), south part of the stand is upland and it grades into lower ground with more WP as you go north, potentially type 1 or Type 2 old growth if left alone for a few YOE's and not worth messing with treating now with any type of thinning due to the wet pockets.																																														
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50	4133 - Aspen, Mixed Pine	Poletimber Well	5.1	52		N/A	Stand of aspen/red maple/oak mixed with R/W pine and jack pine, stand grades from upland on the south along the powerline ROW to lowland as it dives into the swamp to the north, some hypox. canker starting on the aspen so should be cut to manage for aspen and to balance the aspen age classes, ORV trail goes thru the stand																																														
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51	310 - Herbaceous Openland	Nonstocked	3.3			Managed Opening																																															



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52	4311 - Pine, Aspen Mix	Poletimber Well	49.2	46	51-80	N/A	Stand was cut under several permits in 1973 but pole-size R/W pine and oak were left and these are now SL size and larger, stand is a fairly even mix of TA/RM/JP poles but consists of areas heavy to RP or oak SL's interspersed with areas heavy to A6, J6, and W6, aspen and JP are doing OK but it is still fairly small in a lot of spots, W6 spots are decent quality WP, recommend holding this stand until next YOE and then trying to separate out oak/RP SL areas and W6 areas from the A6/J6 areas and regenerating the aspen and jack pine areas st that time.																																																			
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53	622 - Lowland Shrub	Nonstocked	32.2			No	OPIC - FMD: FLOODPLAIN OF HUDSON CREEK, H.C.V.A. = WITHIN BUFFER ZONE OF NATURAL RIVER (TRIBUTARY)																																																			
54	42210 - Natural Red Pine	Poletimber Well	11.9	115	141-170	N/A	data taken from Stand #30 on east side of Hudson Creek, no access due to wet terrain																																																			
55	6124 - Lowland Spruce-Fir	Poletimber Well	482.6	115	51-80	N/A	Mix of NWC, BS, and BF poles with scattered R/W pine XL's, heavy balsam fir under-story in spots and scattered potholes with tag alder																																																			
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56	310 - Herbaceous Openland	Nonstocked	11.6			No	PIPELINE/POWERLINE R.O.W.																																																			
57	4130 - Aspen	Sapling Well	69.4	7	Immature	N/A	Cut out-of-YOE in 2012 in search for better aspen age class distribution, left all oak																																																			
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58	6127 - Lowland Pine	Poletimber Medium	5.3	74	51-80	N/A	leftover wet area/heavy pine are from when surrounding aspen was cut, mix of upland pine and lowland conifers/HW's, scattered XL R/W pine thru-out and a few oaks in the more upland parts, hardwoods are approx. 50 years old and the pine approx. 70 years old, leave for BMP's																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	4199 - Other Mixed Upland Deciduous	Sapling Medium	7.7	29	Immature	N/A	Cut with adjacent Stand #42in 1990 but aspen regeneration was poor in this spot so stand is now more open with oak stump sprouts and red maple stump sprouts dominating but aspen still a component
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		40	Sapling	2	29		
White Oak		10	Sapling	2	29		
Red Maple		20	Sapling	2	29		
Quaking Aspen		10	Sapling	2	29		
Pin Cherry		10	Sapling	3			
60	4130 - Aspen	Sapling Well	44.6	29	Immature	N/A	nice A3 regeneration which is still transitioning to A6
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		70	Pole/Sapling	5	29		
Red Maple		25	Sapling/Pole	4	29		
Sub-Canopy Species		Density	Avg. Height	Size			
Witch Hazel		Low	5 - 10 feet	Tall Shrub			
61	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.7	52	81-110	N/A	Cut with Stand #39 in 2012, over-story oak was thicker in this stand, oak is very poor quality black oak with some white oak, retain this stand until under-story aspen is merchantable again as oak is not worth going back and cutting.
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		40	Pole/Log	8	52		
White Oak		10	Pole/Log	8	52		
Quaking Aspen		35	Sapling	1	7		
Red Maple		15	Sapling	1	7		
Sub-Canopy Species		Density	Avg. Height	Size			
Black/Red (Hybrid) Oak		Low	Variable	Sapling			
White Oak		Low	Variable	Sapling			
Red Maple		Medium	Variable	Sapling			
Quaking Aspen		Medium	Variable	Sapling			
62	4123 - Red Oak	Sawtimber Well	28.5	101	51-80	N/A	stand was shelterwood prep cut in 2010 by removing aspen, red maple, and marked oak. Heavy red maple understory. Some white oak stump sprouts.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Oak		85	Log	12	101		
White Oak		15	Log	12	101		
Sub-Canopy Species		Density	Avg. Height	Size			
Bigtooth Aspen		Low	5 - 10 feet	Sapling			
Red Maple		High	5 - 10 feet	Sapling			
White Pine		Low	Variable	Sapling			
White Oak		Low	< 5 feet	Seeding			
63	6225 - Bog	Nonstocked	3.4			No	
65	310 - Herbaceous Openland	Nonstocked	10.9			Managed Opening	
66	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.5	52	81-110	N/A	stand was leftover from when the aspen to the east was cut an is a mix of everything, everything is poorer quality stems especially the aspen and the jack pine, aspen starting with hypox. conker. stand is a mix of areas heavy to oak (SE), aspen (middle), jack pine (SW), and white pine (north arm), recommend final harvesting but leaving oak and white pine for seed source and diversity, should regenerate to mix of aspen and jack pine but trench/plant red pine as an alternate if this fails, could leave the north arm off the sale as this is mostly white pine, CC no retention due to size and shape of the treatment AND for forest health reasons
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		25	Pole/Log	8	52		
Jack Pine		20	Pole	7	52		
White Pine		15	Pole/Log	8			
White Oak		10	Pole/Log	9			
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Low	Variable	Sapling			
Pin Cherry		Medium	Variable	Sapling			
Black/Red (Hybrid) Oak		Low	< 5 feet	Seeding			
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67	429 - Mixed Upland Conifers	Sawtimber Well	7.5	128	51-80	N/A	Large XL WP with smaller pole and SL size hardwoods in the mid-canopy, 3 aged with WP/RM saplings in the understory, upland terrain but with lots of wet potholes of cedar and fir and a water table thru-out the stand which is close to the surface, long narrow transition zone between upland and lowland, recommend holding and managing for Type 1 or 2 old growth in some future YOE.																																												
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68	6120 - Lowland Cedar	Poletimber Well	14.1	105		N/A	poor quality NWC stand, too wet to operate, scattered WP XL trees																																												
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69	4133 - Aspen, Mixed Pine	Poletimber Well	5.6	46		N/A	Stand was cut under several permits in 1973 but pole-size R/W pine and oak were left at that time and these are now SL size, aspen/RM/JP are still fairly small yet so recommend holding stand and cutting next YOE or cutting with the stand to the south in 71041 (2020 YOE).																																												
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70	622 - Lowland Shrub	Nonstocked	2.1			No	Lowland shrub with scattered swamp conifers																																												
71	429 - Mixed Upland Conifers	Sawtimber Well	12.7	128	51-80	N/A	Terrain is upland ridges with lowland swales, upland parts are oak/RM/WP logs and poles with RM/WP saplings, low/wet swales are WP logs and XL's with NWC poles, oldest white pine is 125 years old, could treat upland portions with some sort of thinning where the BA is more dense but would be lots of work for little return given all the low/west swales so recommend holding stand for ecological value of Type 1 or 2 old growth designation in some future YOE.																																												
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72	4199 - Other Mixed Upland Deciduous	Sapling Poor	1.7	5	Immature	N/A	Stand was cut with the stand to the south in 71041, 4" spec cut but also leaving all R/W pine and oak, stand is a fairly equal mix of O/A/M with scattered conifers																																												
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73	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.9	92	81-110	N/A	wet cedar/swamp conifer stand with a few "upland" areas of hardwoods, not worth the hassle to attempt to treat the more "upland" areas of this stand																																							
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74	4133 - Aspen, Mixed Pine	Poletimber Well	9.2	45		N/A	poor quality A6 just reaching pole-size, areas of stand are heavy to oak poles in spots, also has scattered RP log trees thru-out stand, DBH's on this stand are still fairly small so recommend holding this stand until next YO E																																							
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75	4125 - Black, N. Pin Oak	Poletimber Poor	1.8	45	51-80	N/A																																								
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76	6120 - Lowland Cedar	Poletimber Well	33.9	111		N/A	Cedar stand which is growing well with no stagnation noted, non-commercial removal of A/RM/WB occurred in 1976, west edge along Hudson Creek is heavy to tamarack and black spruce, PART OF THIS STAND IS WITHIN THE BUFFER ZONE OF A NATURAL RIVER (TRIBUTARY) = H.C.V.A.																																							
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77	6118 - Lowland Deciduous with Cedar	Poletimber Well	3.3	97		N/A	Very wet stand consisting of pockets of tag alder scattered amongst deciduous trees, oldest aspen is over-mature but there are areas of A3/A6, PART OF THIS STAND IS WITHIN THE BUFFER FOR A NATURAL RIVER (TRIBUTARY) = H.C.V.A.																																							
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78	310 - Herbaceous Openland	Nonstocked	29.3			No	R.R./M-76 R.O.W.																																							
79	42120 - Planted Jack Pine	Sapling Well	66.9	41	Unspecified	N/A	cut, roller-chopped, and then planted in 1978, still in transition to J6 as stand is very slow growing, scattered pole-size oaks also																																							
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80	4319 - Mixed Upland Forest	Sawtimber Well	6.0	54	1-50	N/A	east end is more upland and heavy to WP poles/SL's, west end is lower and wetter terrain and heavier to A/RM with one nice pocket of legacy size white pine, bulk of stand is younger (1960's -1980's YOO) W6 with some younger HW's also, retain this stand to protect pocket of W9 Type I old growth, two aged going to all-aged																																										
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81	42220 - Natural Jack Pine	Poletimber Well	9.0	86	111-140	N/A	Long narrow strip of trees between M-76 and the RR R.O.W., mostly jack pine but scattered hardwoods and some planted red pine also, maintain as buffer along this travel corridor																																										
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106	6120 - Lowland Cedar	Poletimber Well	5.6	118		N/A																																											
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107	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	10.8	118	111-140	N/A	no access, island of white pine																																										
108	623 - Emergent Wetland	Nonstocked	58.4			No																																											
109	42210 - Natural Red Pine	Sawtimber Well	85.7	95	141-170	N/A	Natural red pine stand that had some aspen, maple and jack pine removed in 1979.																																										
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111	6124 - Lowland Spruce-Fir	Poletimber Well	19.0	93		N/A	Lowland conifer stand with some maple and birch. A few high ground areas dominated by white pine.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
112	42120 - Planted Jack Pine	Poletimber Well	14.6	40	51-80	N/A	Old records state that stand was roller-chopped 1976, planted to Jack pine in 1978. Some oak poles along with some sawtimber red and white pine mixed in.																																							
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113	6127 - Lowland Pine	Sawtimber Well	16.6	118	81-110	N/A	Primariya pole and small log size whit pine stand with scattered red pine, jack pine and some large diameter white pine. Low wet soils would make harvesting a challenge. Some areas of higher ground.																																							
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114	429 - Mixed Upland Conifers	Poletimber Medium	28.6	29	1-50	N/A	Island in swamp but commercially cut in 1989, froze a road across the Hudson creek swamp. Stand is dominated by white pine and balsam with some areas of poor quality aspen. Stand is generally low density with many small open areas with young cherry and maple saps.																																							
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115	6121 - Tamarack	Poletimber Well	4.4	98		N/A																																								
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116	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	2.8	124	81-110	N/A	island of White Pine surrounded by the Hudson Creek Swamp																																							
117	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	27.4	100	81-110	N/A																																								
118	6224 - Treed Bog	Nonstocked	13.8			No																																								
119	4133 - Aspen, Mixed Pine	Poletimber Well	46.4	39		N/A	Data and notes from 2013 Ekdom inventory. TA with lots of WP saps and poles, scattered RP/Oak XL's also, some lower ground within stand but most is still operable, commercially cut but trucks had to have gone south to M-76 somehow thru Hudson Creek Swamp																																							
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120	4311 - Pine, Aspen Mix	Poletimber Well	8.2	88	81-110	N/A	Data and notes from 2013 Ekdome inventory. upland stand with mix of WP/Oak/Aspen, no access except thru private property, no access for logging due to low wgt./private bridge																																						
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121	6122 - Black Spruce	Poletimber Medium	78.5	98	51-80	N/A																																							
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122	4133 - Aspen, Mixed Pine	Poletimber Well	48.8	75	81-110	N/A	Old notes indicate some cutting in 1979. Some pole timber from that harvest present.																																						
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123	6127 - Lowland Pine	Poletimber Poor	2.6	60	1-50	N/A	White pine bog																																						
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124	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	31.8	20	Immature	N/A	cut 1997, planted to Jack pine in 1998.																																						
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125	6122 - Black Spruce	Poletimber Well	59.9	62	81-110	N/A	Primarily a black spruce stand with some scattered balsam, cedar and white pine. A few drier areas dominated by white pine, balsam and some scattered maple.																																						
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126	6229 - Mixed lowland shrub	Nonstocked	7.4			No																																							



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127	42120 - Planted Jack Pine	Sapling Well	34.2	9	Immature	N/A	cut 2008, planted to Jack pine in 2010.																																																						
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128	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	26.7	21	Immature	N/A	Cut in 1997, planted to red pine in 1998, now mix of planted red pine and natural jack and oak regeneration.																																																						
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129	42120 - Planted Jack Pine	Sapling Well	46.8	32	Immature	N/A	cut 1985. Some poletimber developing.																																																						
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130	42120 - Planted Jack Pine	Sapling Well	33.1	19	Immature	N/A	south part cut in 1997, north part cut in 2000, seeded to JP 6/02, planted to JP 5/04 after seeding failed.																																																						
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131	4125 - Black, N. Pin Oak	Poletimber Well	14.6	32	Immature	N/A	Cut fall 1985/spring 1986. Primarily an oak stand with some jack pine and aspen mixed in. Some older log sized oak left from last harvest.																																																						
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132	4126 - White, Black, N. Pin Oak	Sawtimber Well	38.2	128	51-80	N/A	Oak hill that was shelterwood cut in 2008. Primarily white oak with some black oak and white pine mixed in. Nice site for white oak. Much of the black oak is in decline and there is heavy mortality especially on lower elevations where soil is poorer. Great understory of white oak, maple and aspen. Some jack pine seeding in on lowes areas. Hold for mast production and allow the understory to mature.																																																						
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133	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	13.9	32	1-50	N/A	cut fall 1985/spring 1986. Oak and jack pine stand just entering poletimber size.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
134	4122 - Oak, Pine	Sapling Well	53.8	10	Immature	N/A	Cut 2008, all natural regeneration., Some older red pine, jack pine and oak in the small poletimber class left from last harvest.																											
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135	122 - Road/Parking Lot	Nonstocked	2.4			No	Au Sable River Trail																											
136	42290 - Natural Mixed Pine	Sawtimber Well	30.0	120	141-170	N/A	Natural red andwhite pine stand. No access																											
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