



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73145

Entry Year 2024

Acreage: 3,100

County: Iosco

Management Area: Gladwin Lake Plain

Stand Examiner: Steve Nyhoff

Legal Description:

T21N R06E Sections 26, 34, 35, and 36

T21N R07E Sections 19, 30 and 31

Identified Planning Goals:

Vegetation management in the Gladwin Lake Plain management area will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character including the Rifle River, a designated natural river; the Lame Duck Foot Access Area, a high conservation value area; several wildlife area floodings; threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on balancing the age-class distributions for aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends in this 10-year planning period will be the continued need to address illegal off-road vehicle use, trash dumping and increased recreational pressure.

Soil and topography:

The terrain is generally level with very little topographic relief. There are a few ridges scattered throughout the compartment. The majority of the soils under the stand are Tawas-Lupton Muck and Leafriver Muck. Therefore, a large portion of the compartment was factor limited as too wet or block by physical obstacles.

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

The State Land is in one contiguous block. The private land ownerships are in larger blocks. U.S. Gypsum owns most of the land to the east of the compartment. The private landholdings are mainly recreational properties or farms.

Unique Natural Features:

There are records of Bald Eagles and Wood Turtles using the area.

Archeological, Historical, and Cultural Features:

There are known historical sites in or near the compartment.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

There are numerous man-made drains that cross the compartment as well as the East Branch of the AuGres River. The East Branch of the AuGres River is an important fishery and is used by anglers.

Wildlife Habitat Considerations:

Wildlife Habitat Considerations: Compartment #145. Both upland and lowland systems are present, making it suitable for a number of wildlife species. The majority of stands are lowland cover types. Due to the nature of this compartment wildlife management goals will focus on mid to late Successional species such as barred owl, northern goshawk, pileated woodpeckers and the hoary bat. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the lowlands as corridors as well as year-round habitat. Game species likely to be present in this compartment include raccoon, coyote, wild turkey, ruffed grouse, snowshoe hare, and white-tailed deer. The compartment is easily accessible to hunters via Alabaster Road.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is just over two miles to the southeast, and potential for sand & gravel development within the compartment appears to be limited. There is gypsum potential beneath the east end of the compartment. The current extent of the US Gypsum open pit mine is just one mile east, and the State recently completed a land transaction with the company involving property in sections 20 and 29, just east of the compartment. Gypsum beneath the compartment is probably too deep to have significant economic potential at this time. Relatively little oil & gas activity has occurred in the vicinity of the compartment. The nearest hydrocarbon production, past or present, is approximately three miles away. There are no active mineral leases within the compartment. No known metallic mineral potential exists in this part of the state.

Vehicle Access:

The access to the perimeter is poor with only a few roads reaching the edge of the compartment. There are no roads that cross it. The wet soils also make maintaining any type of two-track system problematic. There are a couple that provide access to portions of the interior. They are located on the few ridges that run through portions of the compartment.

Survey Needs:**Recreational Facilities and Opportunities:**

There are no established recreational facilities in the compartment. However, it is actively used by hunters and anglers.

Fire Protection:

The compartment is wet, so fire danger is moderate to low overall. There has been one fire in recent years. It occurred in 2019 and burn part of stand 19 and crossed a non-forested stand of marsh and lowland shrubs.

Additional Compartment Information:

Emerald Ash Borers have drastically altered the covertype composition of the area. The merchantable ash is gone, and large acreages have converted from forested to non-forested, mainly lowland shrubs. There is significant ash regeneration in the slightly dryer stands. The compartment also has an extensive component of phragmites in the understory. The heaviest concentration is along the southern edge and in the wet non-forested types scattered throughout the compartment.

The following reports from the Inventory are attached:

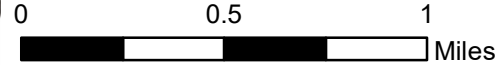
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

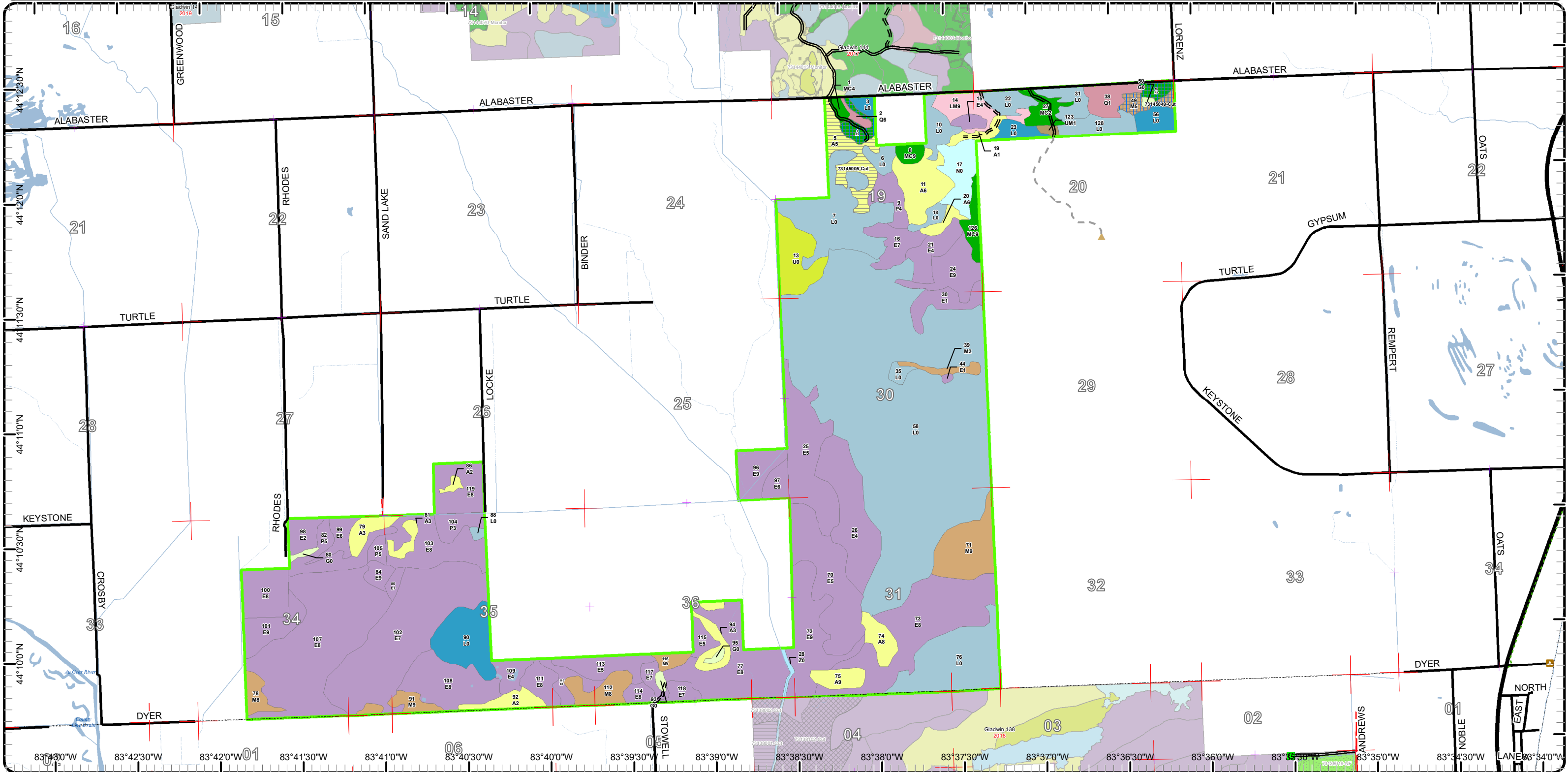
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 145
 T21N - R06E Sec. 26,34-36
 T21N - R07E Sec. 19,30,31
 County: Iosco
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YOE: 2024
 Acres: 3099.6 GIS Calculated
 Examiner: Steve Nyhoff
 Map Revised: 6/2/2022
 Map Phase: Web-Post

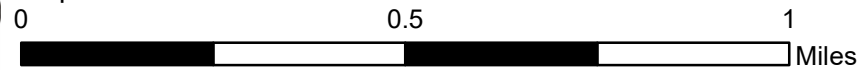


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ▲ Berms
- ~ Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

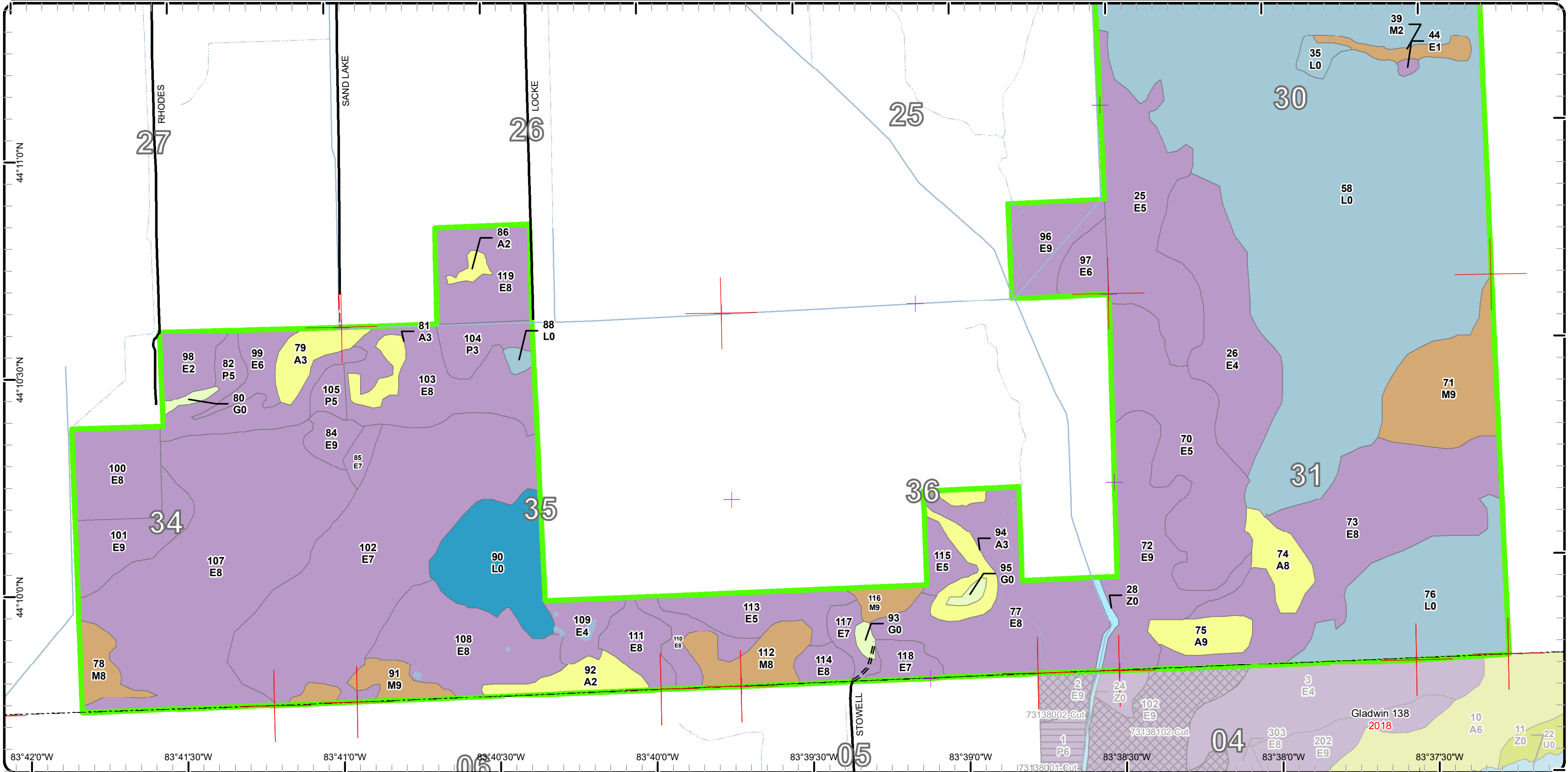


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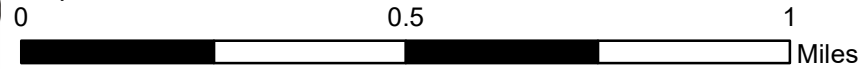


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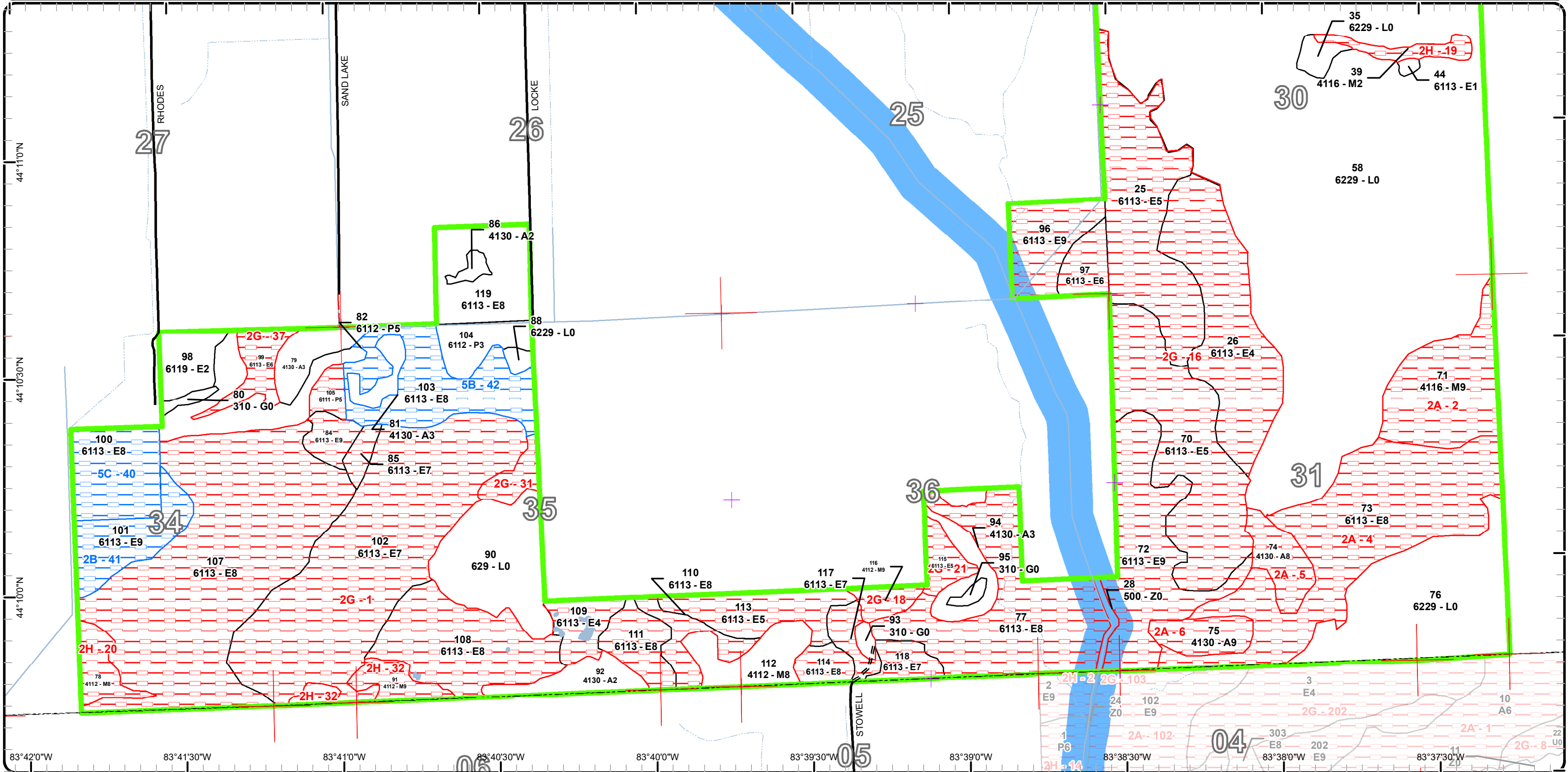


Special Conservation Areas

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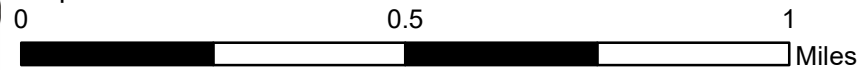


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- Available w/ Constraints
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality

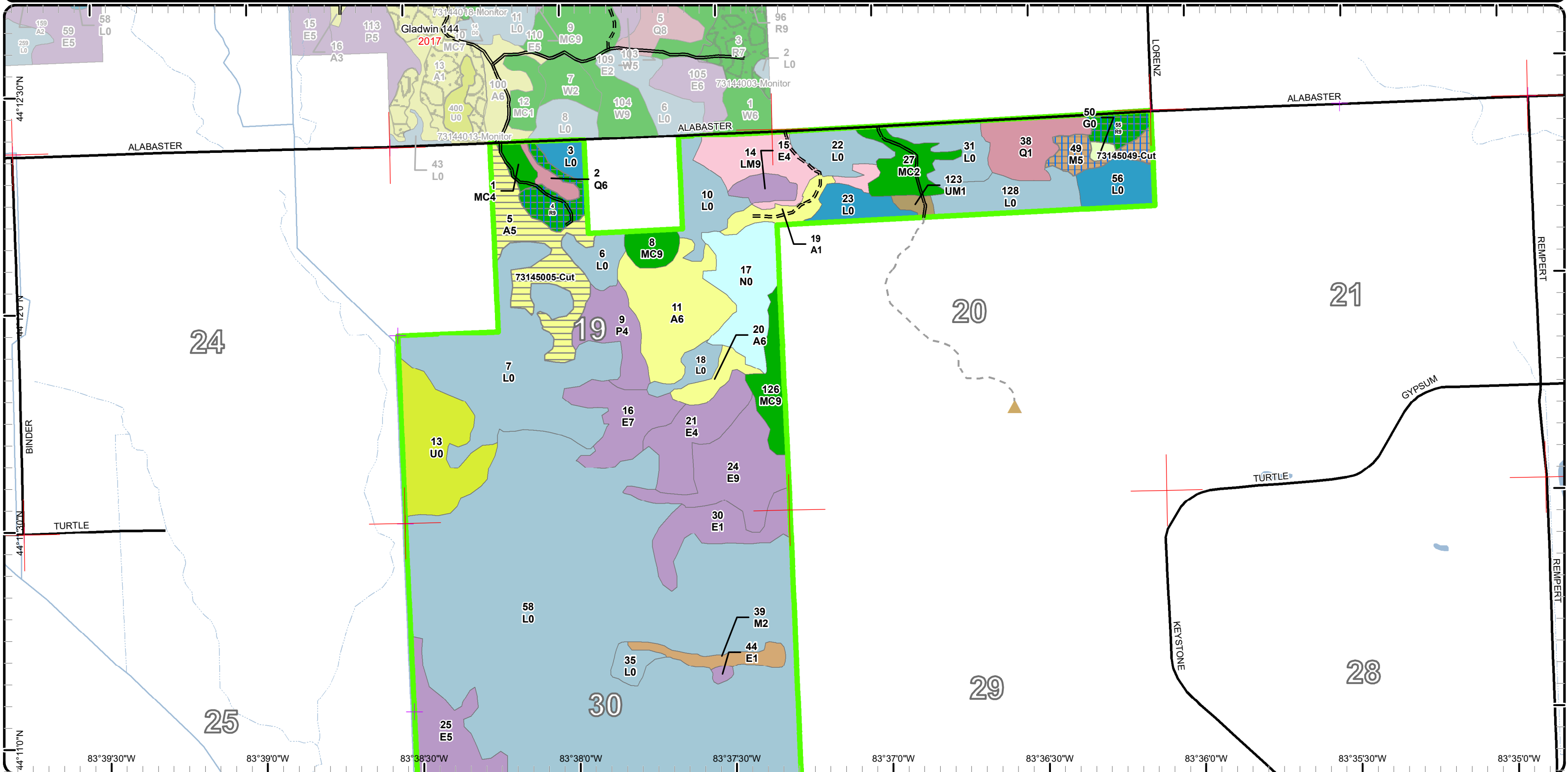


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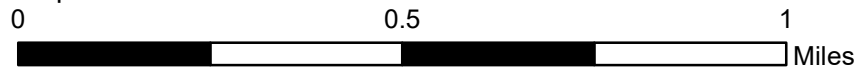


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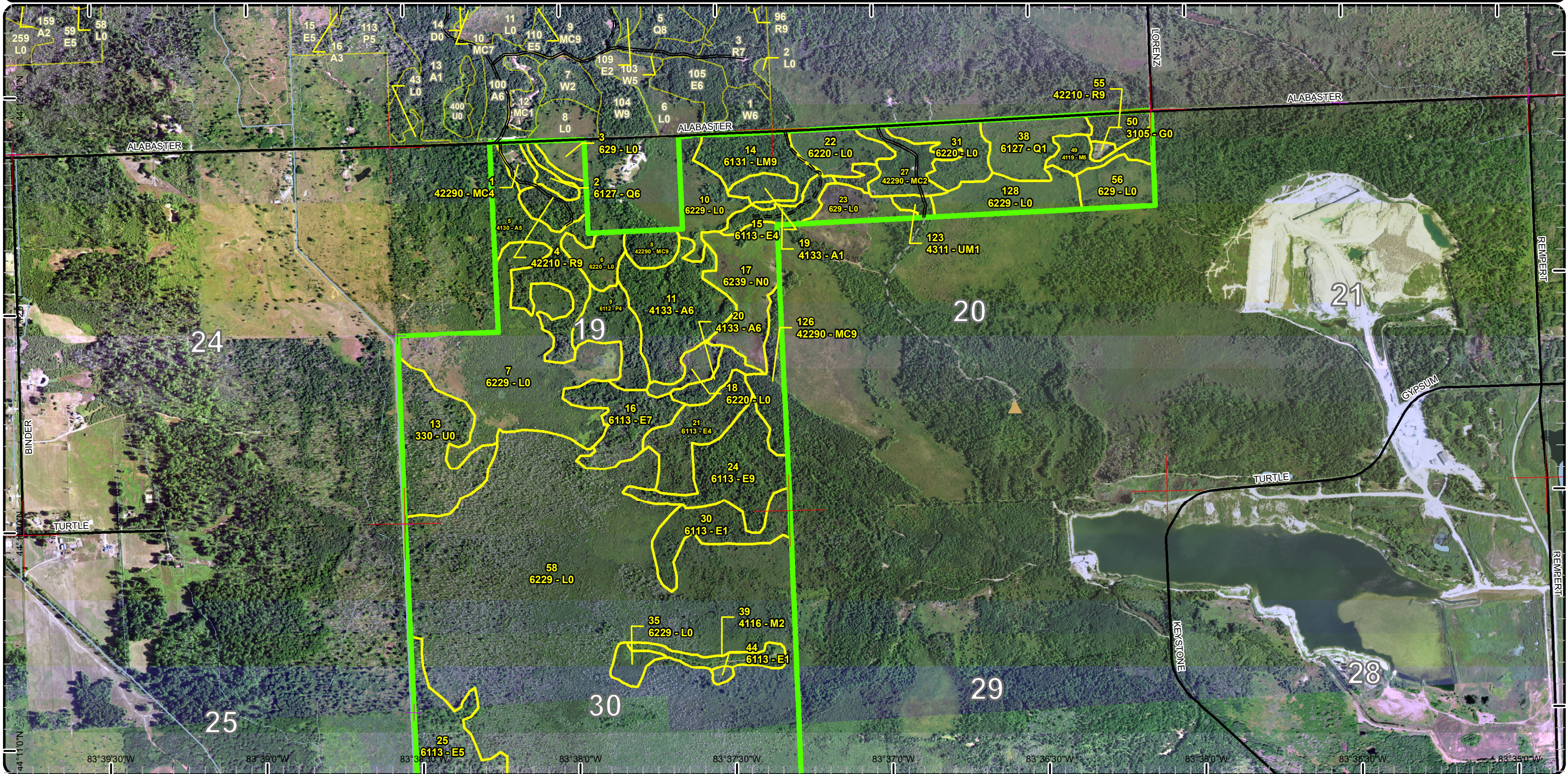


Stand Boundary Map

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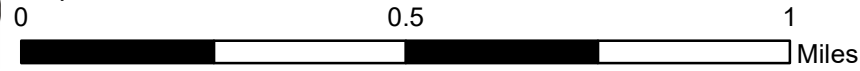


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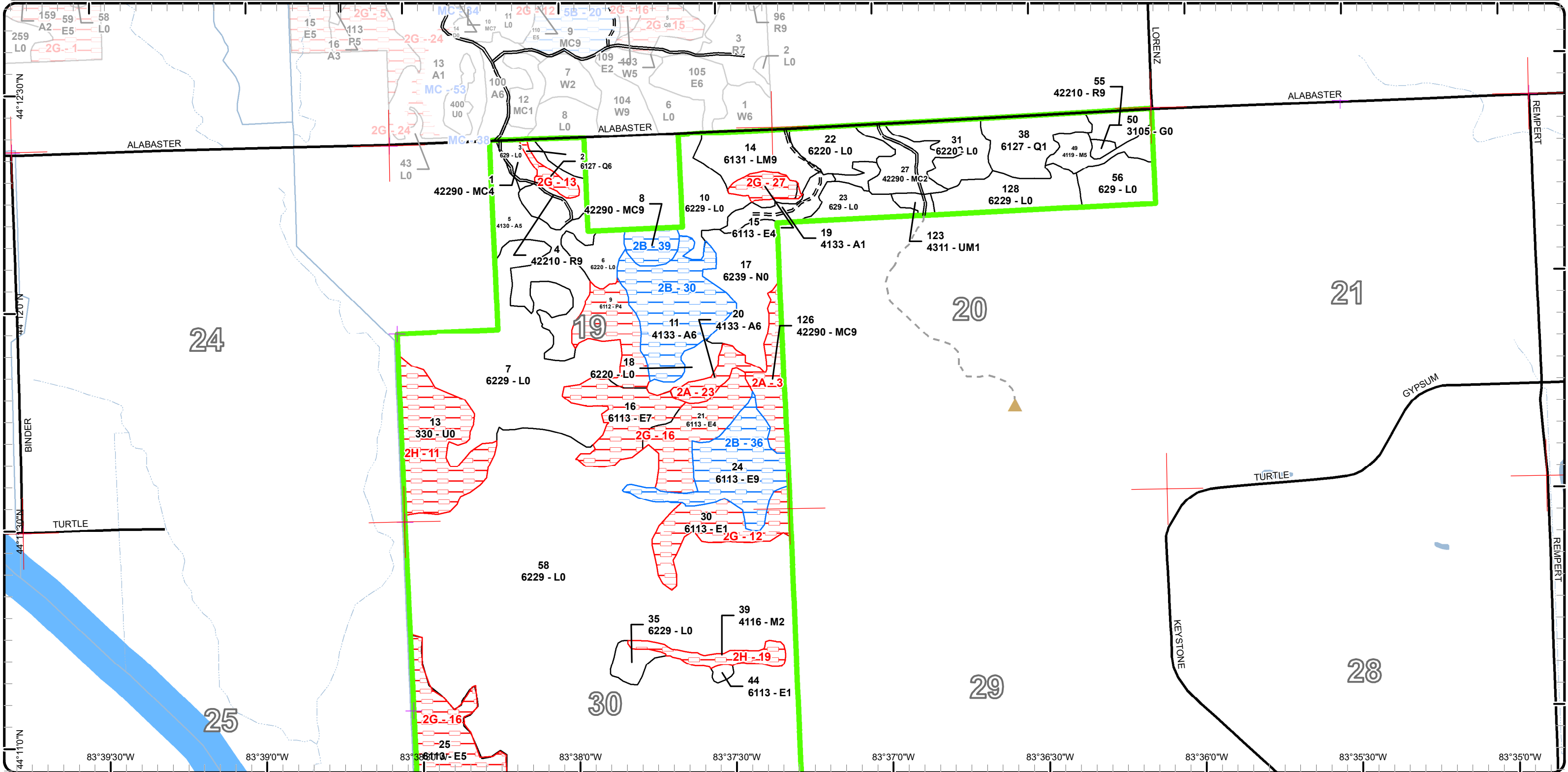


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- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	13	17	23	0	0	86	0	0	0	32	0	0	0	0	0	0	16	187
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Low-Density Trees	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Aspen/Balsam Poplar	0	0	0	16	37	0	19	0	0	0	0	0	0	0	0	0	0	0	72
Lowland Conifers	0	0	21	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Deciduous	0	0	0	17	14	35	48	89	53	59	682	65	0	0	0	0	0	366	1427
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	26
Lowland Shrub	1079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1079
Marsh	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Natural Mixed Pines	0	0	0	21	0	0	0	0	0	15	8	0	0	0	0	0	0	0	44
Northern Hardwood	0	0	0	9	0	0	0	0	10	0	32	0	0	0	0	0	0	81	132
Red Pine	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	20
Upland Mixed Forest	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	1165	13	41	86	51	39	153	89	63	94	754	65	0	0	0	0	0	489	3101



Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 145

Total Compartment Acres: 3,100

Commercial Harvest - 65
 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	36	0	0	0	0	0	0	0	0	36
Northern Hardwood	0	0	0	10	0	0	0	0	0	10
Red Pine	0	0	0	20	0	0	0	0	0	20
Total	36	0	0	30	0	0	0	0	0	65

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	65	0	0	0	0	0	0	0	0	65
Next Step	0	20	0	0	0	12	65	0	0	97
Total	65	20	0	0	0	12	65	0	0	162



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

Proposed Treatments:

4	73145004-Cut	11.6	42210 - Natural Red Pine	Sawtimber Well	86	81-110	Harvest	Seed Tree	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Harvest as a seed tree leaving pockets of trees. These pocket may be placed around the hunting camp sites. The rest of the stand should be cut down to 2" DBH. If the site does not regenerate naturally roller chop, trench and plant red pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Other - Specify; SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> medium or better stocking of red pine mixed with deciduous trees.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
5	73145005-Cut	35.6	4130 - Aspen	Poletimber Medium	51	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest as a clearcut with retention. The retention should occur naturally when the stand boundaries are painted in. There is a significant reduction expected because of the soils. This will also limit the harvest to dry or frozen conditions.</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> Medium or better stocking of aspen mixed with maple and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Crane mat will need to be used to cross to different areas of the stand. There are numerous low areas that will need to be crossed to access all the stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
49	73145049-Cut	10.2	4119 - Mixed Northern Hardwoods	Poletimber Medium	71	81-110	Harvest	Seed Tree	414 - Other Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest the stand as a seed tree harvest retaining around 20 BA. The harvest acres will be less than inventory acres because wet ground. The harvest will need to be in dry or frozen conditions. The residual should be in groups and on the dryer areas of the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Medium or better stocking of hardwoods mixed with conifers.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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55	73145055-Cut	8.042210 - Natural Red Pine	Sawtimber Well	86	81-110	Harvest	Seed Tree	4221 - Natural Red Pine	Even-Aged	No
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Prescription Harvest the stand as a seed tree leaving red pine in pockets on the dryer areas of the stand. The average BA should be around 20. Also
Specs: mark the patches far enough away from Alabaster Road to avoid tree falling into the road. The harvest will need to be done during dry or frozen conditions.

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Scarification
Treatments:

Acceptable Medium or better stocking of red pine mixed with hardwoods.
Regen:

Other If stand does not regenerate scarify the stand. The soils are too wet to trench and plant.
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

Total Treatment 65.4
Acreage Proposed:

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 145
Year of Entry: 2024



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions						
Acres	Available	With Condition	Not Available	2B	5B	5C	2A	2G	2H	
187	105	42	40	Aspen	42			40	0	
9	9	0	0	Herbaceous Openland						
41	0	0	41	Low-Density Trees						41
72	46	0	26	Lowland Aspen/Balsam Poplar					26	
25	21	0	4	Lowland Conifers					4	
1427	56	154	1217	Lowland Deciduous	65	53	36	128	1,090	
26	25	0	0	Lowland Mixed Forest					0	
1079	1078	0	0	Lowland Shrub	0				0	
33	33	0	0	Marsh	0					
44	21	8	15	Natural Mixed Pines	8			15		
132	34	0	98	Northern Hardwood				53	8	37
20	20	0	0	Red Pine						
3	3	0	0	Upland Mixed Forest						
3	3	0	0	Water						
3,100	1,454	204	1,442	Total Forested Acres	115	53	36	236	1,128	78
	47%	7%	47%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	628	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand was brought up to treat with small < 1/2 acre patch cuts to make gap hole regeneration pockets.							
2	Unavailable	2A: Adjacent landowner denied access	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 145
Year of Entry: 2024



3	Unavailable	2A: Adjacent landowner denied access	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2A: Adjacent landowner denied access	128	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2A: Adjacent landowner denied access	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2A: Adjacent landowner denied access	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 145
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13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	425	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

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Year of Entry: 2024



21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2A: Adjacent landowner denied access	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	2B: Unknown if access through adjacent landowner(s) is possible	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 145
Year of Entry: 2024



36	Available	2B: Unknown if access through adjacent landowner(s) is possible	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: the stand was harvested and regeneration is starting to come in. The ash die off has lowered the crown closure to a level consistent with a selection harvest.							
41	Available	2B: Unknown if access through adjacent landowner(s) is possible	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The ash die off has open the crown to a level consistent with a selection harvest and the current BA is to low to have a selection harvest.							
42	Available	5B: Maintain for regeneration purposes	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The Ash in the stand has died out and lowered the crown closure to a level consistent with a selection harvest.							

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	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	42290 - Natural Mixed Pine	Poletimber Poor	4.9	23	1-50	N/A	The stand has continued to fill in. The northern portion is opened but it is less than 1 acre in size. The overall crown closure is around 50%. It goes from grass to thick pine heading south. Much of the stand has seeded in over the last 35 years. The red and white pines are 40+ years old; but the average is around 33 years old. Many of the older trees show signs of the leaders being killed multiple times by weevils.																																										
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2	6127 - Lowland Pine	Poletimber Well	4.0	49	51-80	N/A	This stand is a leather leaf bog that is filling in with white pine and spruce. The stand density is increasing as the conifers continue to seed into the stand. There are still open pockets. Overall, the stand is not ready to be treated.																																										
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3	629 - Mixed non-forested wetland	Nonstocked	6.1		Immature	No	This is an area of marsh grass and cattails along Alabaster Road. It has some lowland shrubs, but they are scattered.																																										
4	42210 - Natural Red Pine	Sawtimber Well	11.6	86	81-110	N/A	The stand is a mixture of uplands and lowlands. The crown closure is still around 80%. The crowns are still expanding. The crowns of the trees could get larger, but they could have topped out. It could be clear cut and replanted or harvested as a seed tree retaining 20 BA of pine. The area is also heavily used by hunters.																																										
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5	4130 - Aspen	Poletimber Medium	35.6	51	51-80	N/A	The stand was cut in 1970. It is patchy and goes from well to poorly stocked. It is a mixture of knobs in swales some of the swales are very wet. The uplands make up most of the stand. The red pine is in pockets. The aspen goes from a light A6 to a light P4. The lowlands have an understory of tag alder and Michigan holly.																																										
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6	6220 - Alder/willow	Nonstocked	10.4		Immature	No	The stand is a low wet shrub type that is heavy to tag alder. The trees are filling in, but it is not a forested stand.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
7	6229 - Mixed lowland shrub	Nonstocked	92.6		Unspecified	No	This is a large lowland shrub type that is heavy to tag alder. There are some swamp hardwoods present. However, the crown closure is less than 10%. Most of the trees are in the western portion of the stand.	
		Sub-Canopy Species		Density	Avg. Height	Size		
		Willow spp.		Low	5 - 10 feet	Tall Shrub		
		Tag Alder		High	5 - 10 feet	Tall Shrub		
		Red Maple		Trace	Variable	Seeding		
		Quaking Aspen		Trace	>20 feet	Seeding		
		Michigan Holly		Medium	5 - 10 feet	Tall Shrub		
8	42290 - Natural Mixed Pine	Sawtimber Well	8.1	97	141-170	N/A	This stand is a knob that backs up to private land. It has difficult access between the private land to the north and the low wet ground around it. It has oversize red and white pines in it. The stand was marked and sold two inventory cycles ago, but the logger could not gain access. The terrain is hummocky to rolling.	
		Canopy Species		% Cover	Size Class	DBH		Age
		Red Pine		40	XLog/Log	20		97
		White Pine		40	XLog/Log	20		97
		Red Maple		20	Pole/Log	8		
		Sub-Canopy Species		Density	Avg. Height	Size		
		Huckleberry		High	< 5 feet	Tall Shrub		
9	6112 - Lowland Aspen	Poletimber Poor	19.1	51	1-50	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. The trees are patchy and with some lowland shrubs intermixed. Overall, the stand is too wet to harvest commercially except during a deep freeze. The volume is very low. The crown closure is only around 25%. Some of the aspen clones that have a crown closure around 75%. However, there are also areas with a crown closure of less than 15%.	
		Canopy Species		% Cover	Size Class	DBH		Age
		Quaking Aspen		65	Pole	6		51
		White Pine		5	Sapling/Pole	4		
		Red Maple		30	Pole	6		
		Sub-Canopy Species		Density	Avg. Height	Size		
		Tag Alder		High	5 - 10 feet	Tall Shrub		
		Michigan Holly		Low	5 - 10 feet	Tall Shrub		
10	6229 - Mixed lowland shrub	Nonstocked	18.9		Unspecified	No	This stand is a lowland shrub type with a lot of wet marsh characteristics. The shrubs are low and have greater than 60% cover. In some areas there are scattered trees.	
		Sub-Canopy Species		Density	Avg. Height	Size		
		Willow spp.		High		Tall Shrub		
		Tag Alder		High		Tall Shrub		
11	4133 - Aspen, Mixed Pine	Poletimber Well	41.9	51	51-80	N/A	The stand is a matrix of uplands and lowlands, with the uplands being the majority. There is a ridge along the east side. White pine is heaviest in the northeastern portion which has a greater % of uplands. In the southwest and western portions of the stand it is heavier to hardwood and the soils are wetter. Some of the open areas are heavy to tag alder. The terrain is undulating. There is some beaver activity but much of it is old. The stand is difficult to access with private land to the north and low wet ground on the other sides.	
		Canopy Species		% Cover	Size Class	DBH		Age
		Paper Birch		5	Sapling/Pole	4		
		White Pine		20	Log/Pole/XLog	12		
		Quaking Aspen		55	Pole	7		51
		Red Maple		20	Pole	6		
		Sub-Canopy Species		Density	Avg. Height	Size		
		White Pine		Medium	Variable	Sapling		
		Tag Alder		Medium	5 - 10 feet	Tall Shrub		
		Huckleberry		Medium	< 5 feet	Tall Shrub		
		Michigan Holly		Low	5 - 10 feet	Tall Shrub		
		Red Maple		Medium	Variable	Sapling		
		Sheep Laurel		Medium	< 5 feet	Tall Shrub		
13	330 - Low-Density Trees	Nonstocked	41.1	0	Unspecified	No	The stand is a mixture of uplands and lowlands with the uplands being the majority. The ash has died out leaving low-density red maple. The stand is about a 50-50 mix of uplands and lowlands. There is some regeneration of ash. So, the stand may become forested in the future if emerald ash borer doesn't kill it off again. There are also windthrow occurring in pockets.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
14	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	25.7	75	51-80	N/A	The stand is a matrix of uplands and lowlands. The lowlands make up the majority by a little. The lowlands will dictate the management. There are super canopy white pines and red pines in the stand as well as large oaks. The understory is made up of saplings and poles of white pine and swamp hardwoods. It was harvested in September of 2017 as a group selection by making canopy gaps. The gaps are starting to regenerate. Most of the regeneration is about two years old.																																									
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15	6113 - Lowland Maple	Poletimber Poor	6.6	41	1-50	N/A	This is a pocket of swamp hardwood that goes along the base of stand 8. The record show it was harvested in 1980 and it is wet. The ash is gone, and the stand is now mainly maple and white pine over tag alder and Michigan holly. The crown closure is now closer to 25%																																									
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16	6113 - Lowland Maple	Sawtimber Poor	24.1	90	51-80	N/A	The ground cover is marsh grass with some tag alder. The trees are stunted with some mortality. It is a mixture of moderately to very wet ground with some upland areas. The ash is gone leaving a overstory of sparse red maple with scattered Quaking Aspen. The crown closure is very close to 25%. The stand could also be called a lowland shrub type with scattered trees.																																									
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17	6239 - Mixed Emergent Wetland	Nonstocked	32.6		Unspecified	No	This is a beaver flooding. The stand is dryer then it was in the last inventory cycle. It still has area that are holding water. It looks like it is now more of an emergent marsh with areas of standing water.																																									
18	6220 - Alder/willow	Nonstocked	7.1		Unspecified	No	The overstory is gone. It is now a lowland shrub type of willow and tag alder. There are still some scattered white pines, maple, and tamarack, but the crown closure is less than 15%. It is a draw between two ridges that connects two lowland types. There is a water feature to the east and a marsh to the west.																																									
19	4133 - Aspen, Mixed Pine	Sapling Poor	9.5	5	Immature	N/A	The stand is on a well-defined ridge. The trail that goes through it is heavily used and it is often rutted. The stand was clearcut in June of 2017. In the spring of 2019, the eastern portion of the stand was burned. The burned area has poor regeneration. In the unburned portion of the stand the regeneration is almost fully stocked.																																									
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20	4133 - Aspen, Mixed Pine	Poletimber Well	7.8	53	51-80	N/A	This stand is mainly trees over thick tag alder and willow. There are areas that are slightly dryer. These areas are usually a medium stocked swamp hardwood pole stand. The wetter areas are usually a poorly stocked sapling swamp hardwood stand. The difference in elevation is only about 6". There are some scattered larger trees but much of it appears to be stunted swamp hardwoods.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
21	6113 - Lowland Maple	Poletimber Poor	24.4	58	51-80	N/A	The stand has a lot of standing water in it. The ground is hummocky with areas of deep mucky soils. All the ash is gone. There are portions of the stand that are now lowland shrubs. There are still some pockets of swamp hardwoods. The crown closure is around 50%. However, most of the stand has a crown closure around 25% or lower.																																										
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22	6220 - Alder/willow	Nonstocked	15.4		Unspecified	No	The stand is a very wet lowland shrub type with a lot of standing water. It is heavy to tag alder and willow with some trees starting to come in. However, it is a non-forested type..																																										
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23	629 - Mixed non-forested wetland	Nonstocked	11.6	0	Unspecified	No	A portion of the stand burned around 2019. It has remained a non-forced wetlands with pockets of phragmites, cattails, and willow shrubs. There are still areas of standing water. It is dryer than it was during the last inventory cycle.																																										
24	6113 - Lowland Maple	Sawtimber Well	36.2	85	81-110	N/A	This stand is a matrix of uplands and lowlands. However, the stand is lowlands. Most of the white pine is on the west side; the east side is heavier to paper birch and aspen. Much of the white pine is log or oversized logs. There are also inclusions of lowland shrubs. Most of these pockets have some type of overstory. The terrain is hummocky; but there are some ridges mixed with swales. Currently the stand has a thick under story of white pine.																																										
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25	6113 - Lowland Maple	Poletimber Medium	80.2	87	1-50	N/A	The stand is low and wet. The ash is gone, and density has dropped to a medium stocked stand.																																										
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26	6113 - Lowland Maple	Poletimber Poor	78.8	67	1-50	N/A	The stand is low and wet. The ash in the stand is gone and now only a very light overstory of maple exist. The crown closure is around 25% at best. It is converting to lowland shrubs. The trees have roots right at the surface. Some wind throw is occurring.																																										
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27	42290 - Natural Mixed Pine	Sapling Medium	16.2	23	1-50	N/A	The main part of the stand is a ridge that tapers into low ones on either side. The stand was harvested in 1998 as a 2" spec final harvest. It has regenerated to the low end of fully stocked stand. It has significant areas of low wet ground which have a sparse overstory. The soils are a mixture of uplands and lowlands, with the lowlands being about 55%. The stand density is high along the road.																																								
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28	500 - Water	Nonstocked	3.0	0	Unspecified	No	This stand is the AuGres River.																																								
30	6113 - Lowland Maple	Sapling Poor	23.6	53	1-50	N/A	The stand is a swamp hardwood type that grades to lowland shrubs. All the ash is gone. The stand is almost entirely regenerating to red maple and has converted to low density red maple.																																								
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31	6220 - Alder/willow	Nonstocked	17.8		Unspecified	No	This is a lowland shrub type that has some scattered tamarack, white, and red pines in it.																																								
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35	6229 - Mixed lowland shrub	Nonstocked	5.7		Unspecified	No	The stand was harvested in 1998 in Rookies Folly, sale 73-055-94. It is mainly tag alder with some regeneration. The stand is off a ridge, and it is low and wet. The regeneration is poor. It is now more of a lowland shrub type. There is a slight ridge along the north side which has sparse regeneration.																																								
38	6127 - Lowland Pine	Sapling Poor	20.9	13	Immature	N/A	This stand was harvested in 2007. Some of the ground was rutted when it was harvested. It is about a 50-50 mix of uplands and lowlands. The ground cover is heavy to sheep laurel so there is a high-water table. It has regenerated to a poorly stocked stand. However, trees are still being recruited in from the surrounding pines.																																								
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39	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	8.8	23	1-50	N/A	The stand is on a ridge that was harvested in 1998 in Rookies Folly, sale 73-055-94. The harvest was a 2" spec final harvest. It appears to be a medium stocked stand. There's a trail that goes through the stand from the east. It goes through the center of the stand. The red maple is along the edges where the ground is wetter. The stand continues to fill in with maple and aspen and some scattered oak.																																															
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44	6113 - Lowland Maple	Sapling Poor	1.3	23	Immature	N/A	This stand is along the base of a slight ridge. It was harvested in 1989 in Rookies Folly, sale 73-055-94. It has not regenerated well. It is mainly marsh grasses. The edges are filling in with lowland shrubs and some trees. Much of the stand is still open. The trees are along the perimeter. The crown closure is about 25%.																																															
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49	4119 - Mixed Northern Hardwoods	Poletimber Medium	10.2	71	81-110	N/A	The stand is a mix of uplands and lowlands. The lowlands are the majority. The central portion of the stand was harvested with stand 55. There is a portion in the West and East ends that are dryer which could be harvested as a clear cut. The retention should be individually marked trees of pine or oak.																																															
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50	3105 - Mixed Upland Herbaceous	Nonstocked	1.6		Unspecified	No	This area was used to harvest stand 55 and 49. Some trees are encroaching along the edges. There are also areas of exposed sand. The stand is often used for target practice.																																															
55	42210 - Natural Red Pine	Sawtimber Well	8.0	86	81-110	N/A	The stand was thinned in 2007. During the harvest many of the residual trees were damaged. The damage has caused some mortality, but it is still light. The average DBH is about 13 inches. The crown closure is now around 90%.																																															
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56	629 - Mixed non-forested wetland	Nonstocked	15.1		Immature	No	This stand is a mixture of lowland shrubs and marsh grasses. The marsh grasses make up 75% of the ground cover. There are shrubs along the edges. In addition, there are white pines, red pines, and tamaracks scattered throughout the stand.																																															
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58	6229 - Mixed lowland shrub	Nonstocked	710.5	0	Unspecified	No	The ash that was present in the stand last inventory cycle is now gone. The stand has converted to lowland shrubs. There is some maple still a live mainly along the west edge, but it is very sparse.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
70	6113 - Lowland Maple	Poletimber Medium	88.7	96	51-80	N/A	This stand is a low-density tree stand, with a tag alder and willow in the understory. The ash is all gone. The soils are very wet with standing water. The trees are mainly poles with stilt roots. The stand appears to have a low site index. The soils are mucky.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		100	Pole	6	96	Tag Alder		High	5 - 10 feet	Tall Shrub
						Deciduous Shrubs		High	5 - 10 feet	Tall Shrub
71	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	52.9	99	81-110	N/A	This stand is mostly upland. It is land locked by private land to the east and low wet ground to the north and south. It was part of a sale that was set up in 2007. However, it was not cut. The logger lost his permission to access it through US Gypsum property. The stand slopes down and grades from aspen to swamp hardwoods. White pines are seeding in on the east side. The terrain is hummocky with some down trees. The aspen is showing signs of decline. Many trees have fungal conks on them. The wet edges of the stand have lost all their ash and are now sparse. The stand still could be harvested if access could be gained through gypsum property.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		55	Log/Pole	10	99	Deciduous Shrubs		Medium	5 - 10 feet	Tall Shrub
Basswood		10	Log/Pole	10		Musclewood/Hornbeam		Low	5 - 10 feet	Sapling
Red Oak		2	Log/Pole	10		White Pine		Low	5 - 10 feet	Sapling
Paper Birch		3	Pole	8						
Quaking Aspen		25	Log/Pole/XLog	16						
White Pine		5	Log/Pole/XLog	16						
72	6113 - Lowland Maple	Sawtimber Well	68.5	96	51-80	N/A	This stand is low and wet. There are some scattered upland knobs, but they make up less than 20%. It has standing water in it for an extended portion of the year. The soils are dryer in the south end of the stand. This area also has the greatest % of sawlogs. There are more poles present going north, but sawlogs are present throughout the stand. The ash is gone, and it appears that ash and maple seedlings are filling in the gaps.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		65	XLog/Log/Pole	18	96	Green Ash		Medium	5 - 10 feet	Sapling
Cottonwood		10	XLog/Log	20		Musclewood/Hornbeam		Low	5 - 10 feet	Sapling
Basswood		10	Log	14		Deciduous Shrubs		Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		15	Log	14						
73	6113 - Lowland Maple	Sawtimber Medium	127.5	96	51-80	N/A	This stand is a mixture of uplands and lowlands. It has about a 50-50 mix. It was marked for harvest in 2007. However, it was not cut. The logger lost his permission to cross US Gypsum property. The aspen in the stand is declining. The ash is gone. The density is now quite variable. There are open pockets as well as areas of high-density upland knobs.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		70	Log/XLog	14	96	Green Ash		Low	5 - 10 feet	Sapling
Cottonwood		15	XLog	20		Black Ash		Low	5 - 10 feet	Sapling
Quaking Aspen		15	Log/XLog	16		Musclewood/Hornbeam		Low	5 - 10 feet	Sapling
						Deciduous Shrubs	High	5 - 10 feet	Tall Shrub	
74	4130 - Aspen	Sawtimber Medium	17.4	99	1-50	N/A	This stand is upland and was heavy to aspen and birch that are both declining. The birch is all but dead and now there are significant openings in the crown. The openings are filling in with red maple and green ash. It was part of a sale that was set up in 2007. However, it was not cut. The logger lost his permission to access it through US Gypsum property.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		8	Pole	9		Deciduous Shrubs		Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		65	Log/Pole	12	99	Common Blackberry		Low	< 5 feet	Tall Shrub
Red Oak		5	Log/Pole	12		Musclewood/Hornbeam		Low	5 - 10 feet	Sapling
Red Maple		22	Log/Pole	10						
75	4130 - Aspen	Sawtimber Well	15.3	96	51-80	N/A	This stand is uplands without a large component of paper birch. The aspen is showing signs of decline, and many have fungal conks on their boles. The ground cover has a strong component of ground pine. The terrain is hummocky and there are some wet pockets. It was part of a sale that was set up in 2007. However, it was not cut. The logger lost his permission to access it through US Gypsum property.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		32	Log/Pole/Sap	10		Deciduous Shrubs		High	5 - 10 feet	Tall Shrub
Paper Birch		3	Pole	8		Musclewood/Hornbeam		Low	5 - 10 feet	Sapling
Quaking Aspen		65	Log/Pole	11	96	Red Maple		Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
76	6229 - Mixed lowland shrub	Nonstocked	90.6		Immature	No	The overstory is pretty much gone. All the ash is dead and down. The trees that are left are along the perimeter next to stand 37 and it looks sparse.																																											
77	6113 - Lowland Maple	Sawtimber Medium	90.5	99	51-80	N/A	The stand floods regularly but drains into the AuGres quickly. It was harvested in 2004 in Riverside Harvest, sale 73-019-02. The middle portion of the stand is very wet and has a crown closure below 50%. The area outside the wet areas is predominately maple and has a crown closure greater than 75%. However, the crown closure averages between 60 to 70%.																																											
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78	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	13.2	99	81-110	N/A	The stand has some uplands and lowlands. It is significantly dryer than stand 107. There are a lot of oversized logs. There is a lot of rot in the over story trees. The stand was harvested as a selection in 1987, sale 73-141-83. The ash is gone. The die off has opened the crown closure to around 60%. The density is now too low to have a selection harvest.																																											
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79	4130 - Aspen	Sapling Well	15.0	20	Immature	N/A	The stand is a mixture of uplands and lowlands with the uplands being the majority. It was harvested in 2002 in Sand Lake Rhodes, sale 73-014-01. The ash has died off in the overstory. The ash and maple are now in the understory.																																											
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80	310 - Herbaceous Openland	Nonstocked	2.5		Unspecified	No	This is a non-forested type. It is filling in. However, the crown closure is still less than 25%.																																											
81	4130 - Aspen	Sapling Well	8.2	20	Immature	N/A	The stand is on a knoll and is heavy to quaking aspen. Some of the other species are oak and paper birch which are sparse. The stand was harvested in 2002 in Sand Lake Rhodes, sale 73-014-01. The overall density is good.																																											
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82	6112 - Lowland Aspen	Poletimber Medium	30.4	39	51-80	N/A	The stand is rolling. The stand is a 50 to 50 mix of uplands and lowlands. The ash in the stand is gone. The crown closure is now below 75%.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
84	6113 - Lowland Maple	Sawtimber Well	9.5	99	81-110	N/A	The stand is low and wet with blow down. It is too wet to harvest.																																									
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85	6113 - Lowland Maple	Sawtimber Poor	5.6	99	51-80	N/A	The stand is low and wet with lots of standing water. The trees have pronounced fluted butts. It is too wet to harvest. The ash in the stand is gone. What's left are scattered red maples with minimal regeneration. The crown closure is around 25% with most of the trees being along the perimeter.																																									
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86	4130 - Aspen	Sapling Medium	3.1	7	Immature	N/A	The stand is an upland knoll in a swamp hardwood stand. It was harvested 8/5/2015 as a clear cut without retention because of its small size. The stand has regenerated well to Quaking Aspen with a thick ground cover of raspberry. The edges of the stand are sparser. The average crown closure is about 60%.																																									
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88	6229 - Mixed lowland shrub	Nonstocked	2.7		Immature	No	The ash in the stand is gone forming openings. The openings are filling in with brush and some trees around the edges. it is more lowlands than uplands.																																									
90	629 - Mixed non-forested wetland	Nonstocked	52.2		Unspecified	No	The stand is a large marsh type. It has a significant amount of lowland shrub along the edges.																																									
91	4112 - Maple, Beech, Cherry Association	Sawtimber Well	15.3	93	141-170	N/A	The stand is uplands with wet edges. There is wind throw along the edges. The trees have large diameters. The ash is gone which created openings in the canopy, so no treatment is needed.																																									
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92	4130 - Aspen	Sapling Medium	16.2	15	Immature	N/A	The stand was harvested and has regenerated well. The ground is hummocky. The harvest was completed in 2007 in Gate Crasher, sale 73-008-02. Some rutting did occur during the harvest.																																									
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93	310 - Herbaceous Openland	Nonstocked	2.6		Immature	Managed Opening	This is an area that has been managed in the past. It has also been used as a landing for timber harvest.																																									



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94	4130 - Aspen	Sapling Well	16.9	15	Immature	N/A	The stand was harvested in 2007 in Gate Crasher, sale 73-008-02. It is a mix of aspen and maple. There are some low wet areas. However, it is mostly uplands. The stand has regenerated well.																																										
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95	310 - Herbaceous Openland	Nonstocked	2.3		Unspecified	No	The stand is an opening of grass with some aspens along the edges.																																										
96	6113 - Lowland Maple	Sawtimber Well	28.6	100	Unspecified	N/A	The stand has a crown closure around 85%. The ash in the stand is gone. There is a manmade drain running along the southeast side.																																										
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97	6113 - Lowland Maple	Poletimber Well	12.5	100	Unspecified	N/A	The ash in the stand is gone. The soils are a little dryer than the stand to the east. but it is still lowlands. The crown closure is around 80%.																																										
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98	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	16.1	20	Immature	N/A	The stand is regenerating to a medium stocking. The regeneration is heavy to cottonwood and quaking aspen with some red maple. The stand was harvested in 2002 in Sand Lake Rhodes, sale 73-014-01. The regeneration is a little patchy. There appears to be areas of good density and areas that are very open. The harvest retained trees 4" DBH. The stand now has a pole component.																																										
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99	6113 - Lowland Maple	Poletimber Well	14.1	39	51-80	N/A	The stand is low and wet with areas of standing water. The ash in the stand is gone leaving some pockets where the crown closure is low. These are the areas that have the highest ash regeneration.																																										
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100	6113 - Lowland Maple	Sawtimber Medium	35.9	99	51-80	N/A	The stand was harvested in 2005 in County Line Selection, sale 73-013-01. The ash is gone. The overstory is mainly red maple with scattered swamp white oak. It does have a decent understory of ash. The understory has pockets of phragmites.																																												
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101	6113 - Lowland Maple	Sawtimber Well	28.5	99	141-170	N/A	The stand has some oversized logs. Many of the trees have signs of significant rot. The stand is also starting to show some old growth characteristics. The stand was harvested as a selection in 1987 sale 73-141-03. It is a little dryer than other stands, but it is still quite wet. The ash in the stand is pretty much gone. There is only a little regeneration of ash and maple. The stand could be managed but access is difficult.																																												
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102	6113 - Lowland Maple	Sawtimber Poor	173.3	99	51-80	N/A	The stand was harvested as a selection in 1987 sale 73-141-83. The ash that was left is now gone. This has opened the crown closure to around 50% or maybe a little lower. The loss of the ash has impacted the red maple. Many have the tops snapped out from ash fall. In addition, there is some Windthrow. The stand is very wet. The stand has good regeneration of ash and maple. There is also a lot of decay in the overstory leading to significant number of cavity trees.																																												
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103	6113 - Lowland Maple	Sawtimber Medium	53.3	79	51-80	N/A	The stand was harvested as a selection in 1987 sale 73-141-83. The ash that was left is now gone. This has opened the crown closure to around 50%. The loss of the ash has impacted the red maple which now has top snapped out as well as significant Windthrow. The stand is very wet.																																												
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104	6112 - Lowland Aspen	Sapling Well	15.9	20	Immature	N/A	The stand was harvested in 2002 in Sand Lake Rhodes, sale 73-014-01. The ground is hummocky. The overall regeneration is good. There are some openings in the canopy. There is some ash regeneration. It is concentrated in the wetter ground. There are also a couple of inclusions of lowland shrubs and a trace of black willow and cottonwood.																																												
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105	6111 - Lowland Balsam Poplar	Poletimber Medium	6.7	39	81-110	N/A	The stand is wet. The terrain is hummocky. The ash in the stand is gone leaving a couple of wet openings. There is some windthrow of the Aspen because of the ash die off. The stand could be cut. The aspen is big enough and so is the maple. The harvest would have to be done in dry frozen conditions.																																			
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107	6113 - Lowland Maple	Sawtimber Medium	189.6	99	81-110	N/A	The stand was harvested as a selection in 1987 sale 73-141-83. All the residual ash is gone. The maple is showing signs of decline. Some of the tops have been knocked out. There is ash and maple in the under story mixed with Michigan Holly. The stand is very wet with a lot of standing water. The trees go from saplings to X-logs. The crown closure is closer to 60%.																																			
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108	6113 - Lowland Maple	Sawtimber Medium	58.8	83	51-80	N/A	The stand is mostly lowlands with scattered dry knolls. The ash has died out and the crown closure has been reduced to around 50%.																																			
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109	6113 - Lowland Maple	Poletimber Poor	14.6	100	1-50	N/A	This stand is a treed lowland brush type because of the high-water table. All the ash is gone, and the crown closure is around 25%.																																			
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110	6113 - Lowland Maple	Sawtimber Medium	14.5	92	51-80	N/A	The stand is regenerating to a medium stocking. The regeneration is heavy to cottonwood and quaking aspen with some red maple. The stand was harvested in 2007 in Stowell Road Access, in sale 73-003-02. All the residual ash in the stand is gone lowering the crown closure to below 75%.																																			
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111	6113 - Lowland Maple	Sawtimber Medium	18.2	92	81-110	N/A	The stand is regenerating to a medium stocking. The regeneration is heavy to cottonwood and quaking aspen with some red maple. The stand was harvested in 2007 in Stowell Road Access, in sale 73-003-02. All the residual ash in the stand is gone lowering the crown closure to below 75%.																																			
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112	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	23.7	99	81-110	N/A	The stand was harvested in 2007 in Stowell Road Access, sale 73-003-02. It is mainly lowlands with a lot of standing water. There are also some pockets of regeneration which have started, but there is not much.																																						
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113	6113 - Lowland Maple	Poletimber Medium	27.9	47	1-50	N/A	The stand was harvested in 2007 in Stowell Road Access, sale 73-003-02. The ash is gone. The harvest was a 4" spec clearcut so there is residual maple, cottonwood, and aspen. There is some regeneration but not much. The stand is very wet with lots of standing water.																																						
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114	6113 - Lowland Maple	Sawtimber Medium	8.8	100	81-110	N/A	The stand was harvested in 2007 in Stowell Road Access, sale 73-003-02. Phragmites is scattered throughout the stand. All ash is gone. The crown closure has decreased to 25 to 50%. The BA is currently too low to do another harvest.																																						
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115	6113 - Lowland Maple	Poletimber Medium	10.2	68	51-80	N/A	The stand is low and wet. Most of the sawlogs were harvested in 2006. The ash in the stand is gone. There is ash and maple and willow shrubs coming up in the openings.																																						
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116	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.9	94	81-110	N/A	The stand had most of the sawlogs removed in 2006. The crown closure is just over 75%. It is mostly uplands with a few pockets that are low and wet. It is close to being a northern hardwood. The understory is very heavy to beech.																																						
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117	6113 - Lowland Maple	Sawtimber Poor	8.9	99	81-110	N/A	The stand was harvested in 2007 in Stowell Road Access, sale 73-003-02. All the ash is gone. The crown closure has dropped to around 40%. The terrain is hummocky and wet. There is regeneration of ash. There are areas of uplands, but it is lowlands overall. The stand's BA is too low for another harvest.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
118	6113 - Lowland Maple	Sawtimber Poor	10.1	99	1-50	N/A	The stand was harvested in 2006. It was heavily rutted during the harvest. The stand's BA is too low for a second harvest. The ash in the stand is gone. It has a thick under story of regeneration which is mainly ash and maple.																																											
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119	6113 - Lowland Maple	Sawtimber Medium	37.9	87	51-80	N/A	The east side was harvested February 2016. The west side was harvested August 2016. The stand is a mix of uplands and lowlands. The uplands make up about 20% of the stand. The rest of it is hummocky and wet. Also, the stand is dryer in the northeast end and gets wetter going to the southwest. All the residual ash is gone. There is some ash regeneration on the dryer areas and aspen regeneration is in the eastern portion. The crown closure goes from around 75% to 25% from west to east.																																											
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123	4311 - Pine, Aspen Mix	Sapling Poor	3.1	13	Immature	N/A	The stand is a ridge that goes through a lowland type. It is very narrow. The stand was harvested as a seed tree harvest in June of 2017. The regeneration in the stand is not that good. There was a residual of red and white pine and some balsam fir. What is still alive is scattered. There is some regeneration of pine, mainly red, white, and jack pine. It looks like the nearby trees are still seeding into the stand.																																											
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126	42290 - Natural Mixed Pine	Sawtimber Well	14.7	85	141-170	N/A	This stand was put up for harvest in 2007 but it was not cut. The logger lost his permission to access the stand through US Gypsum property. This stand is a ridge that is heavy to red pine. There is no regeneration in it.																																											
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128	6229 - Mixed lowland shrub	Nonstocked	21.9		Immature	No	The stand is very wet. The tamarack is still present in the stand, but it is at a lower density then last inventory cycle. It is concentrated in the western portion of the stand. The stand is mainly lowland shrubs being heavy to tag alder and dog wood.																																											