



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73019

Entry Year 2024

Acreage: 2,048

County: Clare

Management Area: Upper Muskegon

Stand Examiner: Steve Nyhoff

Legal Description:

T17N R05W, Sections 26-29 & 32-34

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered, and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, 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. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

The compartment soils are about one-half Markey and Luton Muck. The rest of the soils are made up of well drained Graycalm and Grayling soils with some small areas of poorly drained Roscommon and somewhat poorly drained AuGres soils.

The terrain ranges from hummocky to rolling.

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

The compartment is situated near Farwell. The main portion of the compartment is surrounded by private parcels. They range from small tracks around the Mill Pond to 10-acres residential and 80-acre farms and hunting lands. About one-half of the State Land around the Mill Pond is within the city limits of Farwell.

Unique Natural Features:

No observations were noted in the MNFI. The area does have potential for red shouldered hawks, wood turtles, and eastern Mississauga rattlesnakes along the various riparian zones. Also, there is the potential for the occurrence of ram's head, round leaved, calypso orchids, and limestone fern in the Deadman Swamp. Also, common loon may use Deadman Lake.

Archeological, Historical, and Cultural Features:

The archeology data base noted archeological concerns in Section 26 and 34. In addition, early spillway of the mill pond and the historic remnants of the Farwell Grist Mill and other outbuildings which operated during the Michigan's lumbering era are present in the east end of the compartment.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The compartment is located within the South Branch Tobacco River watershed and contains the Deadman Swamp. The South Branch Tobacco River is a designated trout stream. Care should be taken to maintain shading along the stream corridor and to prevent sedimentation.

Wildlife Habitat Considerations:

Wildlife Habitat Considerations: Compartment #19 contains a variety of vegetative types from both upland and lowland systems, making it suitable for a number of wildlife species. Game species likely to be present in this compartment include bobcat, raccoon, coyote, wild turkey, ruffed grouse and white-tailed deer. Many bird species stand to benefit from the juxtaposition of lowland and upland habitats present in the compartment. These include common yellowthroat, yellow-rumped warbler, gray catbird, redbreasted vireo, white-throated sparrow, hermit thrush, red-breasted nuthatch, ruffed grouse, and American woodcock. The compartment is located close to the city of Farwell and is easily accessible to hunters via Maple Grove Road and Bringold Avenue.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is less than two miles to the northeast. There may be some potential for sand & gravel within the compartment, but development potential may be inhibited by wetlands. There is no evidence of past oil & gas drilling within the compartment, and there are few wells in the immediate vicinity, all which are dry holes. No hydrocarbon production, past or present, has occurred within one mile of the compartment. However, there may be potential for oil from Devonian carbonates. Potential cannot be confidently determined without access to proprietary industry data. Active State oil & gas leases occur just to the north and one mile east. No known metallic mineral potential exists in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

State Forest two-tracks enter the compartment from the sides. While access is generally good through a large portion of the compartment. However, with the dominance of muck soils inhibits the passage to the interior by vehicles.

Survey Needs:

No survey is needed at this time.

Recreational Facilities and Opportunities:

Pere Marquette Rail trail occurs in section 26-39 that is used by nonmotorized trail users in the summer and snowmobiles in winter. There is a developed parking lot in Section 26 for trail access. Due to the proximity to the community of Farwell there is a decent amount of users. Other recreation interest include hunting, fishing, and an occasional trapper.

Fire Protection:

Fuel types are comprised of mainly upland deciduous and lowland conifer. The perimeter of the compartment is accessible by wildland fire equipment from the north at West Maple Grove Road, the west at South Bringold Avenue, the east at West Washington Road and to a limited extent in the south at Clarabella Road. The rail trail is paved and could prove viable for some firefighting equipment passage during an emergency. The deep interior has very limited access. The mill pond area can be generally accessed from Vandecar Avenue at Farwell.

Additional Compartment Information:

In the 80s there were numerous small cedar harvest in the swamps. These harvests resulted in fir regeneration and not cedar. However, this year of entry it was noted that the muck soils have extensive wind throw and ash die off. This jackstrawed conditions in these stands has resulted in poor to moderate regeneration of cedar. The heaviest regeneration is on the areas that are slightly dryer in the muck soil complex.

The compartment has several exotic species. In trees there are areas of Scotts pine and Norway spruce, and in shrubs autumn olive and Japanese barberry.

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:

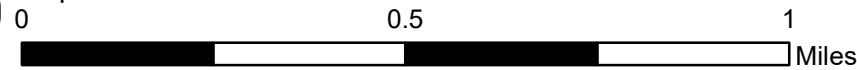
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

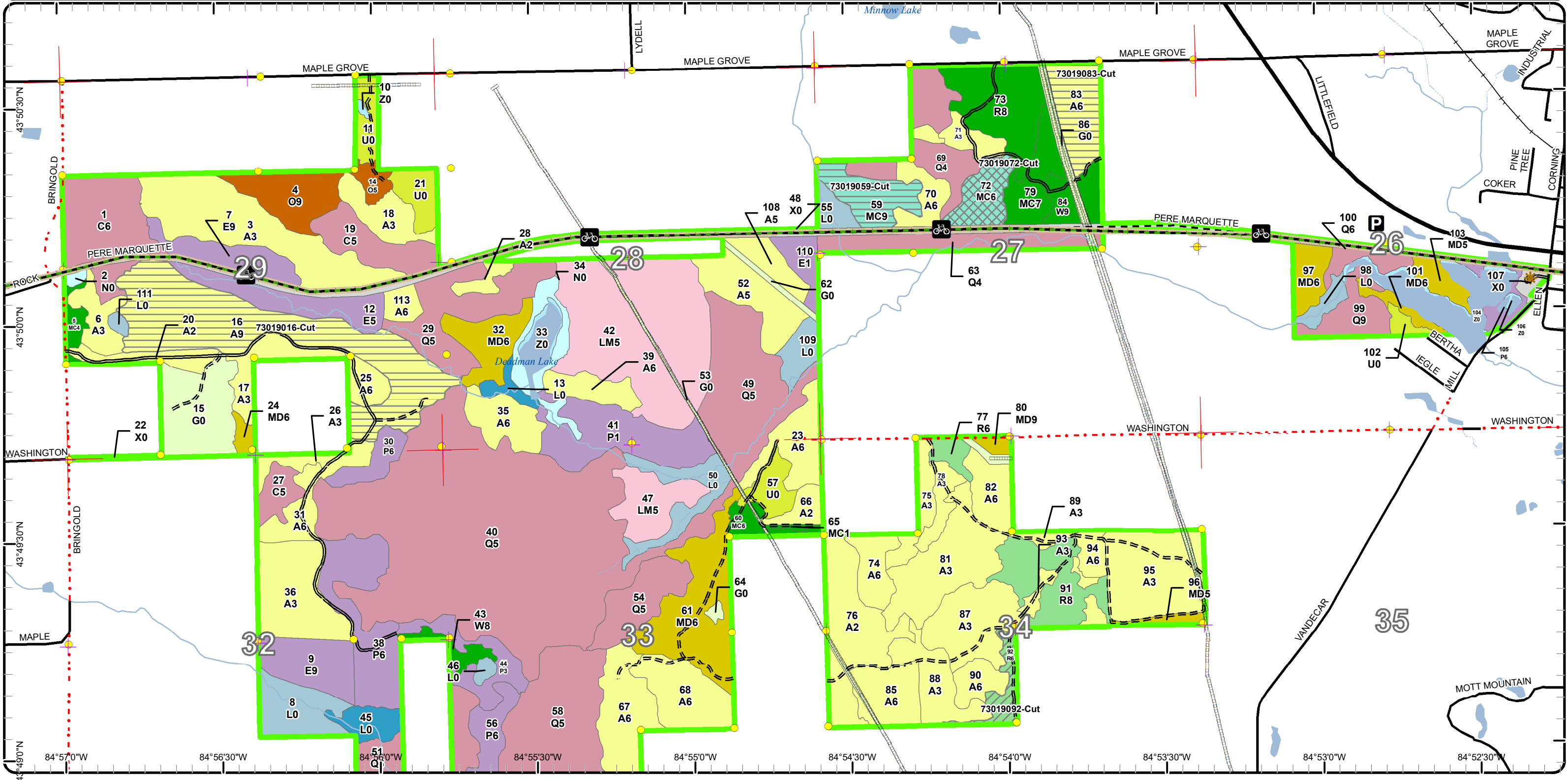
Compartment: 19
T17N - R05W Sec. 26-29 & 32-34

County: Clare
Unit: Gladwin
Mgmt Area: Upper Muskegon
YOE: 2024

Acres: 2048 GIS Calculated
Examiner: Steve Nyhoff
Map Revised: 6/2/2022
Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Active Railroads
- Bike Trails
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- P Parking Lot
- ★ Trailhead
- Intermittent Stream
- Lake/Pond
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- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

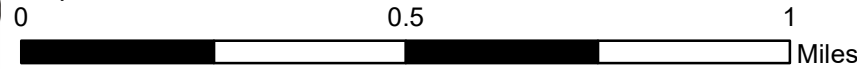


Special Conservation Areas

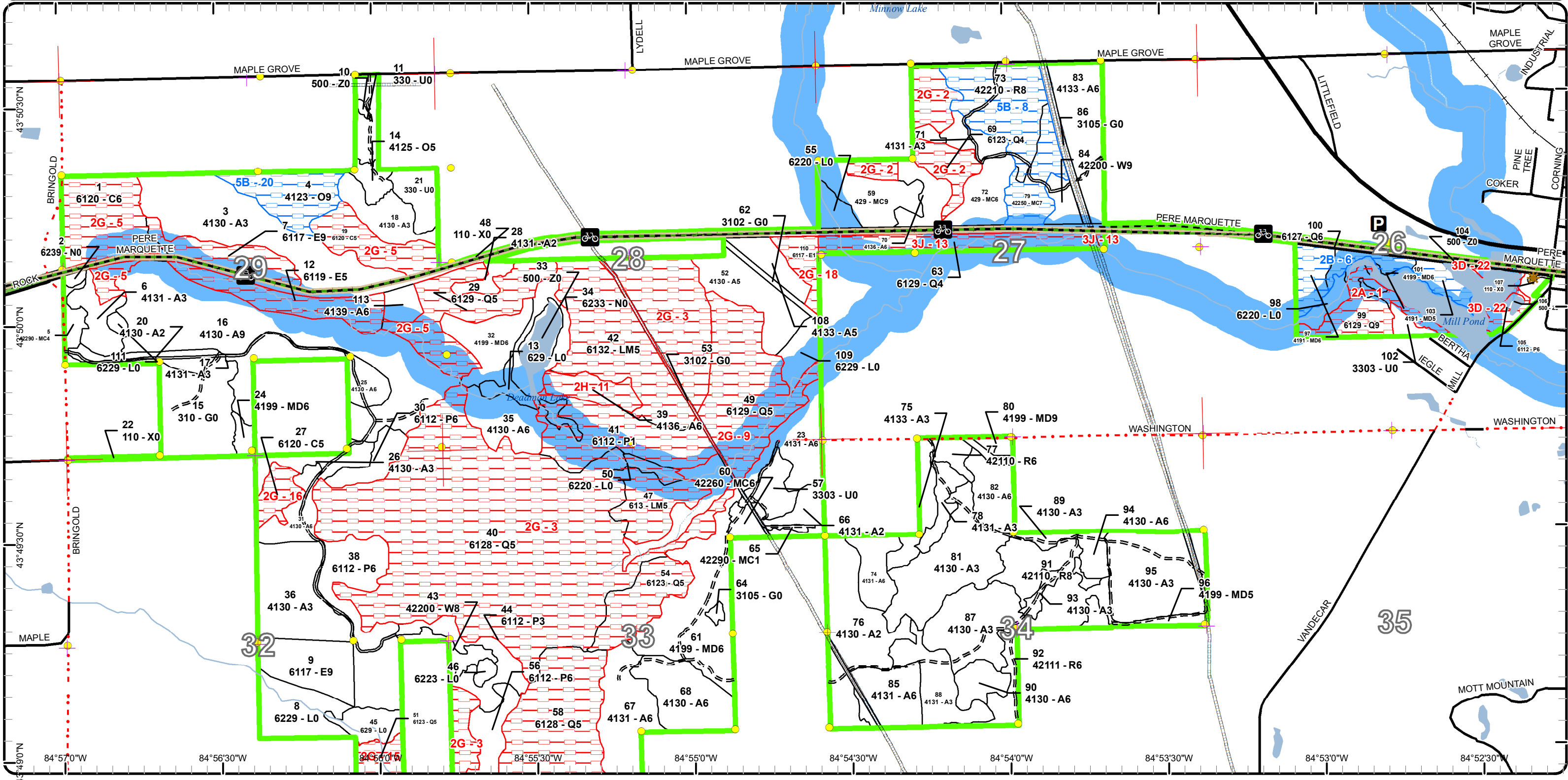
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- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Rail-Trail Corridor

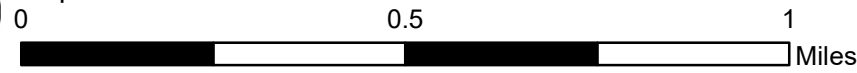


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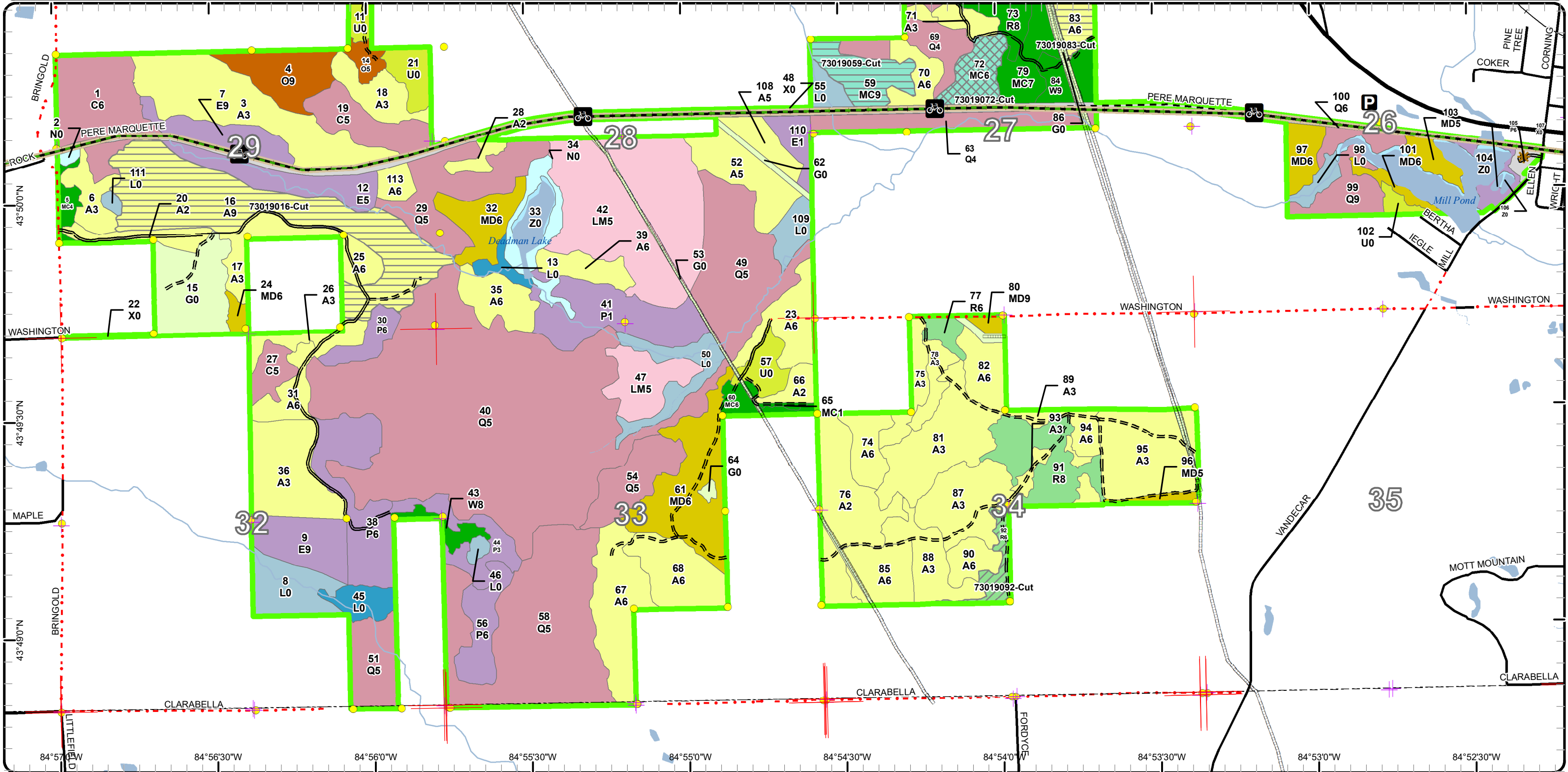
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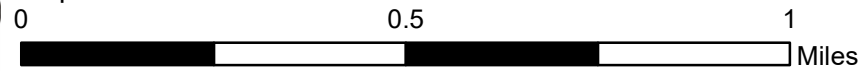


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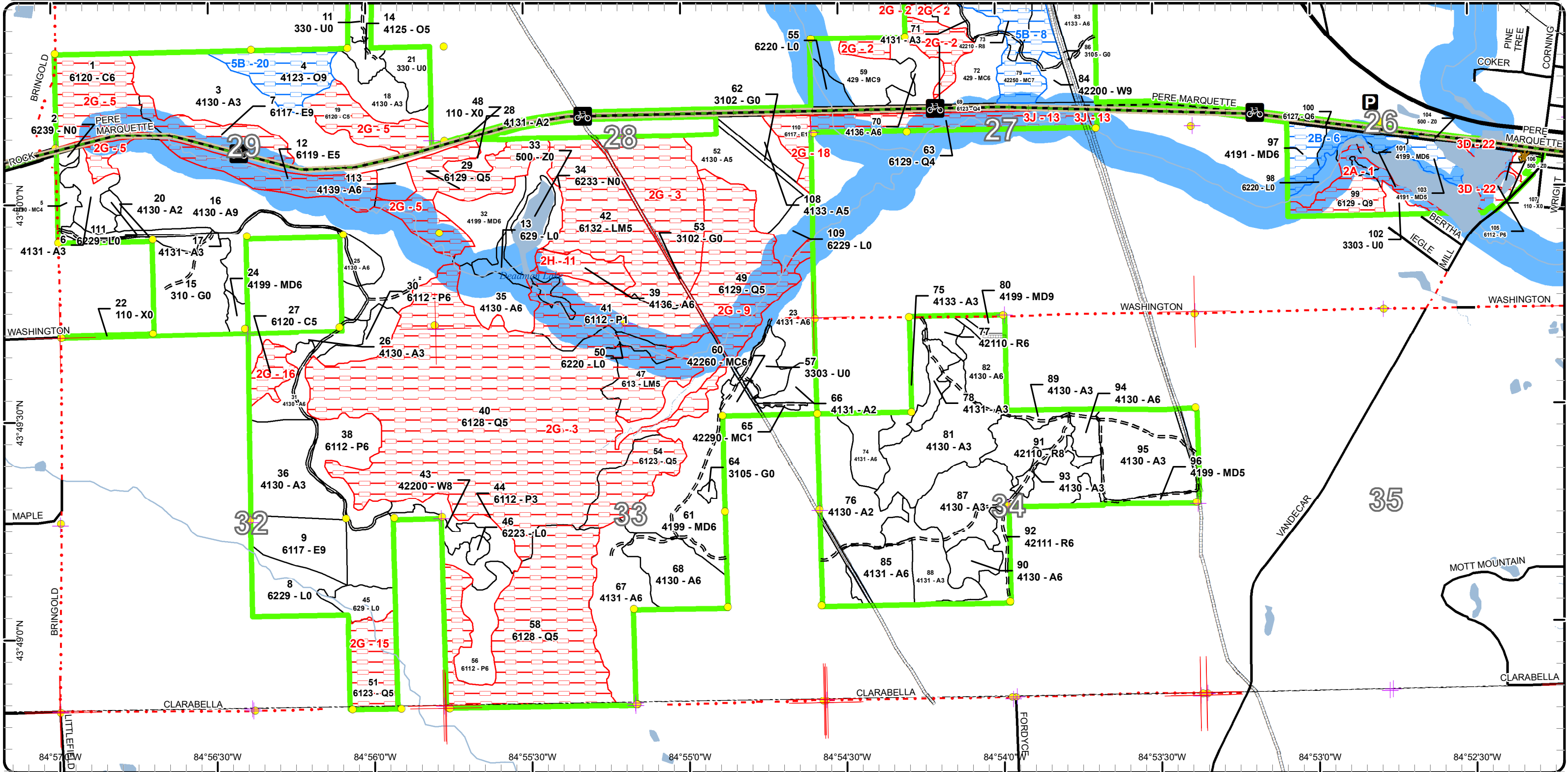
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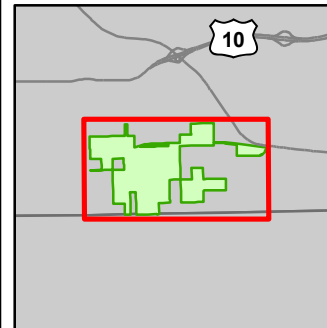
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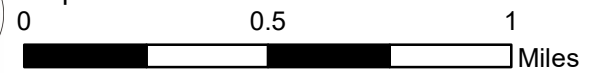
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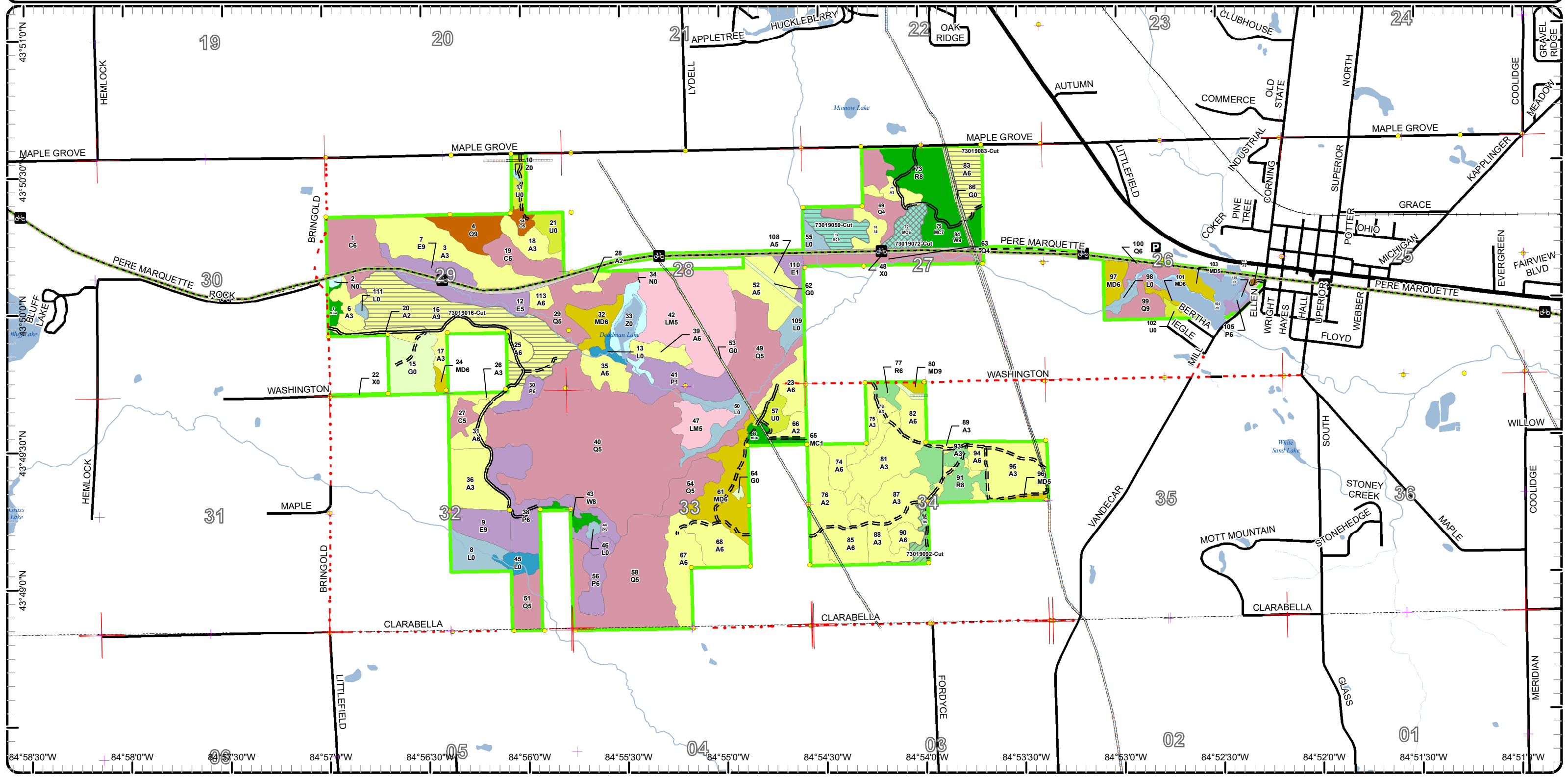
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Report 1 – Total Acres by Cover Type and Age Class



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	147	183	48	128	42	21	85	0	0	0	0	0	0	0	0	0	6	659
Cedar	0	0	0	0	0	0	0	0	19	0	36	0	8	0	0	0	0	0	63
Herbaceous Openland	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Low-Density Trees	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Aspen/Balsam Poplar	0	0	50	43	16	0	6	0	0	0	0	0	0	0	0	0	0	0	115
Lowland Conifers	0	0	0	26	19	47	0	0	15	0	238	0	142	0	0	0	0	35	522
Lowland Deciduous	0	8	0	0	0	0	21	0	0	16	0	0	0	0	0	0	0	21	66
Lowland Mixed Forest	0	0	90	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	109
Lowland Shrub	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
Marsh	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	0	0	42	20	10	4	10	0	3	0	0	0	0	0	0	0	0	88
Natural Mixed Pines	0	0	1	0	0	5	0	7	0	16	0	0	0	0	0	0	0	0	29
Oak	0	0	0	0	0	0	5	0	0	0	0	21	0	0	0	0	0	0	26
Red Pine	0	0	0	0	0	0	8	32	0	32	0	0	0	0	0	0	0	0	72
Upland Conifers	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	31
Urban	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Water	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
White Pine	0	0	0	0	0	0	0	0	0	11	6	0	0	0	0	0	0	0	17
Total	247	155	324	159	183	123	65	165	34	78	280	21	150	0	0	0	0	62	2044



Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 19

Total Compartment Acres: 2,048

Commercial Harvest - 144
 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	105	0	0	0	0	0	0	0	0	105
Red Pine	0	0	0	0	8	0	0	0	0	8
Upland Conifers	18	14	0	0	0	0	0	0	0	31
Total	122	14	0	0	8	0	0	0	0	144

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	144	0	0	0	0	0	0	0	0	144
Next Step	0	0	0	0	0	0	136	0	18	153
Total	144	0	0	0	0	0	136	0	18	297



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

16	73019016-Cut	84.0	4130 - Aspen	Sawtimber Well	60	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest as a clearcut with retention. The retention should be in pockets. In addition, mark some of the oak, hickory, and pine to be retained. <u>Specs:</u> Apply Gladwin grouse habitat specifications. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Medium or better stocking of aspen <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
59	73019059-Cut	17.5	429 - Mixed Upland Conifers	Sawtimber Well	66	141-170	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest as a clearcut with retention. The retention should be in pockets and protect the low wet ground. In addition, harvest all the Scotts pine and Norway spruce. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate); NonForestMgt, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Medium stocking of oak, aspen, and native conifers. <u>Regen:</u> <u>Other</u> May need to do TSI treatment to help control invasive scots pine. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
72	73019072-Cut	13.8	429 - Mixed Upland Conifers	Poletimber Well	66	111-140	Harvest	Group Selection	429 - Mixed Upland Conifers	Two-Aged	No
<p><u>Prescription</u> Harvest 2 chain and leave 2 chains strips through the stand. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> medium or better stocking of conifers <u>Regen:</u> <u>Other</u> harvest during the summer to get some scarification to facilitate natural regeneration of spruce and fir. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
83	73019083-Cut	20.5	4133 - Aspen, Mixed Pine	Poletimber Well	57	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest as a clearcut with retention. The retention should be in pockets. In addition, mark some of the pine and oak to be retained. Apply Gladwin grouse habitat specifications. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Medium or better stocking of aspen mixed with some pine and oak. <u>Regen:</u> <u>Other</u> Access will need to be made off Maple Grove Road to avoid any problem with the gas pipeline. <u>Comment:</u> <u>Site Condition:</u> <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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92	73019092-Cut	8.3	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	56	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Harvest as a thinning by the removal of Aspen and thin the pine down to 90 sq. ft.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

Total Treatment 144.1
Acreage Proposed:

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 19
Year of Entry: 2024



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
662	652	0	10

Dominant Site Conditions

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions							
					2B	5B	2A	2G	2H	3D	3J	
662	652	0	10				0	10				
63	0	0	63				63					
50	50	0	0				0					
31	31	0	0									
116	74	0	41				35		6			
523	0	6	517		6		15	480				21
66	21	0	45				45					
108	0	0	108				108					
69	66	0	4				4					
14	12	0	3				3					
88	68	16	4		16		4	0				
28	13	16	0			16						
26	5	21	0			21		0				
72	40	32	0			32						
31	31	0	0									
50	50	0	0		0		0					
34	33	1	0		1		0					
17	17	0	0									
2,048	1,161	92	795		23	69	19	738	10	6		21
	57%	4%	39%									

*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	2A: Adjacent landowner denied access	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 19
Year of Entry: 2024



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	499	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cedar swamp. Too wet.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	127	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	23	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments: The only access to this very small stand would be through private, if possible. However, it has a high recreation value as it is part of the mill pond area of which two thirds is within the city limits.							
8	Available	5B: Maintain for regeneration purposes	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The stand has a thick understory of oak, aspen, and maple.							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 19
Year of Entry: 2024



9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	21	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff: Examiner

Compartment: 19
Year of Entry: 2024



18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3D: Recreational / Scenic values	6	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
----------	--------------	-------------	----------------	-------

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
1	6120 - Lowland Cedar	Poletimber Well	36.3	90	51-80	N/A	The stand is a true swamp. There are a few small pockets of aspen to the northwest. It has some pockets of wind throw. Overall, it is too wet, so factor limit.																																														
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2	6239 - Mixed Emergent Wetland	Nonstocked	1.2			No	This stand is a wet depression. There are some scattered trees but there is less than 15% crown closure.																																														
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3	4130 - Aspen	Sapling Well	52.5	5	Immature	N/A	The stand was harvested in Fox Run Mix, sale 73-004-14. It was cut in 2016. When it was harvested scattered large trees were left. The regeneration is coming in well.																																														
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4	4123 - Red Oak	Sawtimber Well	21.0	102	51-80	N/A	The stand is a very nice hardwood stand. It was harvested as a selection in 2016. The terrain is undulating. Some trees have been numbered for plots. The crown closure is closer to 75%.																																														
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5	42290 - Natural Mixed Pine	Poletimber Poor	4.9	45	1-50	N/A	The stand is bisected by power and phone lines. The crown closure goes from 100% down to being non-stocked.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
6	4131 - Aspen, Oak	Sapling Well	10.7	17	Immature	N/A	The stand had a 4" spec clearcut done in 1986, sale 73-007-85. When the stand was harvested some of the overstory oaks were retained. The terrain is undulating. It has a pocket of autumn olive.																																										
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7	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	15.7	89	111-140	N/A	The stand has a steep slope at the northeast end. There is a low depression along the bike trail. The soils are muck so much of the stand is not manageable. Because of the extent of non-manageable areas factor limit the stand.																																										
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8	6229 - Mixed lowland shrub	Nonstocked	19.2	0		No	The stand is very wet. It has scattered fir with areas of cattails and lowlands shrubs.																																										
9	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	20.8	98	81-110	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. Aspen is over mature with high percentage of rot and a lot of cavities. The stand could be managed as a selection harvest retaining 70 to 80 BA. However, hold the stand for 10 years.																																										
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10	500 - Water	Nonstocked	0.7			No	The stand is a small pond.																																										
11	330 - Low-Density Trees	Nonstocked	8.3		Unspecified	42111 - Planted Red Pine, Mixed Deciduous	The stand was final harvested as a part of Fox Run Mix, sale 73-004-14. It received a herbicide treatment to control/eradicate invasive autumn olive on 08/08/2017, per FTP C73-965. The stand was than treated by trenching and planting red pine in FTP C73-966 which was completed in 2018. The terrain is undulating. The red pine planting has failed. There is still an abundance of autumn olive.																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
12	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	20.9	55	111-140	N/A	The stand is a riparian zone of a creek. It is very wet, so factor limit as too wet. The ash is gone opening the canopy. There is significant wind throw.																																															
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13	629 - Mixed non-forested wetland	Nonstocked	4.3	0		No	The trees in this area have died or been wind thrown. The crown closure is around 15%. The stand is a mix of lowland shrubs, marsh, and water.																																															
14	4125 - Black, N. Pin Oak	Poletimber Medium	5.2	58	51-80	N/A	The stand is on a ridge. The Aspen could be harvested. There are portions of the stand that may be too steep. Hold the stand for 10 years.																																															
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15	310 - Herbaceous Openland	Nonstocked	30.2	0	Immature	4211 - Planted Red Pine	The stand was final harvested as a part of Fox Run Mix, sale 73-004-14. It received a herbicide treatment to control/eradicate invasive autumn olive on 08/08/2017, per FTP C73-965. The stand was than treated by trenching and planting red pine in FTP C73-966 which was completed in 2018. About half the planted red pine has failed. There is still significant autumn olive through the center of the stand that should be treated before replanting.																																															
16	4130 - Aspen	Sawtimber Well	85.4	60	141-170	N/A	The terrain is undulating to rolling. The stand should be harvested as a clear-cut with retention. The retention should be kept in pockets. In addition, mark some oaks, hickories and red pines to be retained.																																															
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17	4131 - Aspen, Oak	Sapling Well	13.3	16	Immature	N/A	The stand is doing well. There is some autumn olive in spots throughout the stand.																																															
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19	6120 - Lowland Cedar	Poletimber Medium	18.8	75	51-80	N/A	The stand is very wet. There is significant wind throw lowering the crown closure. Factor limit the stand for being too wet.																																							
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20	4130 - Aspen	Sapling Medium	7.9	19	Immature	N/A	The stand was harvested in 2003 in, Aspen Road, sale 73-017-03. The harvest was a clearcut. The stand has a two-track going through it which is not vegetated. The road edges are thick with autumn olive.																																							
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21	330 - Low-Density Trees	Nonstocked	9.7			No	The stand was scheduled to be treated with FTP C73-965 in 08/08/2017. The treatment was with herbicides to treat invasive autumn olive. The treatment with FTP C73-966 to trench and plant red pine did not occur.																																							
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22	110 - Low Intensity Urban	Nonstocked	0.9				The State Forest two-track and access road for the private landowners.																																							
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23	4131 - Aspen, Oak	Poletimber Well	18.3	28	Immature	N/A	The stand was clearcut in 1994, in Deadman Lake Aspen, sale 73-007-94. The terrain is undulating.																																							
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24	4199 - Other Mixed Upland Deciduous	Poletimber Well	3.1	40	51-80	N/A	The stand is on a ridge. There is some wind throw.																																						
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25	4130 - Aspen	Poletimber Well	7.6	35	81-110	N/A	The stand was harvested in the sale Donna's Fence which was completed in 1987. The terrain is undulating.																																						
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26	4130 - Aspen	Sapling Well	10.0	16	Immature	N/A	The stand has healthy regeneration. The crown closure has filled in and is now over 75%.																																						
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27	6120 - Lowland Cedar	Poletimber Medium	8.3	114	111-140	N/A	The stand is a true swamp. It is very wet, so factor limit as too wet. The stand has significant wind throw that has lowered the crown closure.																																						
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28	4131 - Aspen, Oak	Sapling Medium	4.4	15	Immature	N/A	The stand consists of two ridges and a swale. The north ridge has dense aspen. The swale is in the center. It is poorly stocked lowland hardwoods. The south ridge is oak and aspen around a medium stocking. The swale is very wet.																																						
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29	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	35.0	52	81-110	N/A	The crown closure ranges from 30% to 100%. The average is around 65%. There is significant wind throw.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
30	6112 - Lowland Aspen	Poletimber Well	8.8	28	Immature	N/A	The stand was clearcut in 1994, in Deadman Lake Aspen, sale 73-007-94. The terrain is hummocky. The soils get wetter going south and along stand 40. The trees are currently converting to poles.																																							
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31	4130 - Aspen	Poletimber Well	11.0	35	111-140	N/A	The stand is a matrix of uplands with lowland swales. The stand is coming along well. The terrain is rolling. It was harvested in the sale Donna's Fence which was completed in 1987.																																							
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32	4199 - Other Mixed Upland Deciduous	Poletimber Well	16.9	38	81-110	N/A	The stand was harvested in 1994 in Deadman Lake Aspen, sale 73-007-94. The terrain is hummocky.																																							
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33	500 - Water	Nonstocked	8.3			No	This is Dead Man Lake																																							
34	6233 - Wet Meadow	Nonstocked	13.2			No	The stand is marsh grass, cattails, and tag alder. There is a beaver lodge at the southern end. There is also some evidence of recent beaver activity.																																							
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35	4130 - Aspen	Poletimber Well	15.3	35	81-110	N/A	The stand was harvested in the sale Donna's Fence which was completed in 1987. The terrain is hummocky. It is dry along the north edge but grades to wetter ground to the south.																																							
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36	4130 - Aspen	Sapling Well	32.0	7	Immature	N/A	The stand was harvested as a clear cut, in Fox Run Mix, sale 73-004-14. It was cut in 2015. The stand has areas where the crown closure is less than 75%. There are pockets of porcupine damage. The terrain is undulating to rolling.																																										
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38	6112 - Lowland Aspen	Poletimber Well	34.2	28	Immature	N/A	When the stand was harvested some red and white oaks were retained. The stand is a matrix of uplands and lowlands with the lowlands making up about 55%. The north end is dryer and has some knolls.																																										
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39	4136 - Aspen, Mixed Conifer	Poletimber Well	10.4	49	111-140	N/A	The stand is on a ridge of AuGres soil which is much dryer than the surrounding Markey Muck. The terrain is hummocky. The stand would be manageable but cannot be accessed because of the muck soils and water. It could be habitat cut in the winter.																																										
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40	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	238.1	95	81-110	N/A	There is a lot of down trees. The soil is still soft in February. The amount of wind throw has made large canopy gaps that are filling in with fir and in the areas of jack strawed tree there is cedar regeneration. This area has had numerous small cedar cuts in the 80s that have regenerated to fir as well. The stand is very wet.																																										
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41	6112 - Lowland Aspen	Sapling Poor	35.3	12	Immature	N/A	The overstory has been heavily wind thrown leaving the stand jack strawed. There is cedar regeneration among the jack strawed trees. The terrain is hummocky. The soil is Lupton and Markey Muck, and it is very wet.																																										
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42	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	89.5	15	1-50	N/A	The overstory has heavy wind throw. In the open areas that are not dominated by tag alder, willow, and cattails there is good ash regeneration. The stand is a true swamp. The soils are still soft in February, there is very little freezing.																																										
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43	42200 - Natural White Pine	Sawtimber Medium	5.5	95	1-50	N/A	The stand was thinned by the removal of hardwoods. The pines that were left go from seedlings up to extra-large sawlog trees. The stand is on Graycalm, AuGres, and Roscommon soils which are dryer than the Lupton muck.																																									
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44	6112 - Lowland Aspen	Sapling Well	15.1	16	Immature	N/A	The terrain is hummocky. The stand is on a slight ridge of AuGres and Roscommon soils. These are dryer than the Lupton Muck that surrounds the stand.																																									
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45	629 - Mixed non-forested wetland	Nonstocked	8.6			No	The stand looks like it was a beaver flooding at one time. It is currently a wet meadow. There is a slight ridge that goes through the stand that is now regenerating with shrubs.																																									
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46	6223 - Inundated Shrub Swamp	Nonstocked	2.0			No	This stand is in a slight depression and is lowland shrubs. There are some scattered trees along the perimeter.																																									
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47	613 - Lowland Mixed Forest	Poletimber Medium	18.6	47	51-80	N/A	The stand is too wet. There is significant wind throw. Where the trees are now jack strawed there is cedar regeneration.																																									
48	110 - Low Intensity Urban	Nonstocked	46.4		Immature	Managed Opening	This is part of the Pere Marquette rail trail. It is paved with grass banks.																																									
49	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	50.4	112	81-110	N/A	The stand has significant wind throw. This has lowered the crown closure to below 75%. The soils are still soft in February, there is very little freezing.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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50	6220 - Alder/willow	Nonstocked	15.0			No	The stand is lowlands and very wet. It is a mixture of lowland shrubs, water, and marsh. Two creeks run through the stand. There is some beaver activity.
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51	6123 - Lowland Fir	Poletimber Medium	19.4	35	111-140	N/A	The stand is very wet with mucky soils. The soil is still soft in a low snow year with cold temps. The stand needs to remain factor limited as too wet. It is mainly fir and birch. The ash that was in the stand is now gone as well as much of the overstory. Currently the overstory is the understory that was recorded 10 years ago.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole	7		Balsam Fir	High	>20 feet	Sapling
Northern White Cedar	35	Pole/Log	9	115				
White Pine	8	Log/XLog	14					
Paper Birch	5	Sapling/Pole	4					
Balsam Fir	50	Pole/Sapling	5	35				

52	4130 - Aspen	Poletimber Medium	21.4	28	1-50	N/A	The stand was clearcut in 1994, in Deadman Lake Aspen, sale 73-007-94. Some of the oak and pine were retained. The terrain is hummocky. The soils get very wet at the southeast end. This area has significant wind throw and the crown closure goes from 100% down to 40%. The average is around 80%.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Pole/Sapling	5	28	Deciduous Shrubs	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Pole/Sapling	5					
Balsam Fir	10	Sapling/Pole	4					
White Pine	5	Sapling/Pole	4					
Red Maple	15	Sapling/Pole	4					

53	3102 - Grass	Nonstocked	5.1			Managed Opening	The stand is a buried gas pipeline easement. The easement has grown in a lot.
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54	6123 - Lowland Fir	Poletimber Medium	20.4	47	51-80	N/A	There is significant wind throw in the stand. The crown closure ranges from 90% down to 25%.
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	6	Pole	6	
Hemlock	10	Pole/Log	8	
Balsam Fir	55	Pole/Sap/Log	7	47
Red Maple	12	Pole/Log	8	
Northern White Cedar	10	Pole	6	
White Pine	7	Log/Pole	12	

55	6220 - Alder/willow	Nonstocked	5.6			No	The overstory that was here has been wind thrown. There is a creek that flows through the stand.
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Sub-Canopy Species	Density	Avg. Height	Size
Alder	Full		Tall Shrub
Willow spp.	Full		Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
56	6112 - Lowland Aspen	Poletimber Well	16.1	38	51-80	N/A	The wind throw is significant. The crown closure is below 75% for a large part of the stand. However, the overall crown closure is just a little above 75%. Much of the stand is on a slightly dryer soil of Roscommon instead of Lupton muck.																																												
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57	3303 - Mixed Low Density Trees	Nonstocked	9.3		Unspecified	No	The stand has been degraded by ORVs and vehicles. It does have some pine seeding in.																																												
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58	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	91.1	112	81-110	N/A	The stand has a lot of wind throw. The crown closure has gone below 75% for most of the stand. There is a surprising amount of cedar regeneration in the areas were the trees have jack strawed and the soils are a little dryer. The stand is a true swamp on muck soils.																																												
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59	429 - Mixed Upland Conifers	Sawtimber Well	17.5	66	141-170	N/A	The terrain is undulating to rolling. Harvest the stand as a clear-cut with retention. The retention should be native species and protect the low wet draws. The stand has a mix of Norway spruce, scotch pine, white spruce, quaking aspen, and oak.																																												
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60	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	6.8	60	81-110	N/A	The terrain is undulating. The pine is in the western portion of the stand and the hardwood is along the private line.																																												
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61	4199 - Other Mixed Upland Deciduous	Poletimber Well	41.6	28	Immature	N/A	The stand was clearcut in 1994, in Deadman Lake Aspen, sale 73-007-94. It has several pockets of low wet ground. The terrain is undulating.																																									
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62	3102 - Grass	Nonstocked	4.9			Managed Opening	The stand is an easement for a gas pipeline.																																									
63	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	21.4	45	1-50	N/A	There are some scattered trees, but the crown closure is less than 25%. There is autumn olive, white pine, and aspen scattered in the stand.																																									
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64	3105 - Mixed Upland Herbaceous	Nonstocked	1.1			No	there are some scattered trees but crown closures is less than 25%.autumn olive white pine Aspen scattered in stand.																																									
65	42290 - Natural Mixed Pine	Sapling Poor	1.0	10	Immature	N/A	There is a two-track that goes through the stand. It is seeding in with scotch and white pine.																																									
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66	4131 - Aspen, Oak	Sapling Medium	6.2	7	Immature	N/A	The stand was harvested as a clearcut in 2015, in Fox Run Mix, sale 73-004-14. The oak and aspen are regenerating. However, the regeneration is patchy. The crown closure ranges from 100% down to non-forested. The average crown closure is around 55%. It has heavy autumn olive																																									
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67	4131 - Aspen, Oak	Poletimber Well	31.8	45	81-110	N/A	The stand has about 15% lowlands. Some of the low pockets are lowland shrubs. The stand could be harvested as a clear-cut with retention. The retention should be placed to protect the vernal ponds and low wet ground. The terrain is undulating.																																							
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68	4130 - Aspen	Poletimber Well	23.1	36	1-50	N/A	The stand was harvested in 1986, in Locked Tire Sale, 73-007-86. The terrain is slightly undulating.																																							
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69	6123 - Lowland Fir	Poletimber Poor	26.1	25	1-50	N/A	The stand has heavy wind throw removing most of the overstory. It is now a sapling balsam fir stand with scattered poles of hemlock, cedar, and aspen. The poles are concentrated along the perimeter. The stand is very wet so factor limit.																																							
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70	4136 - Aspen, Mixed Conifer	Poletimber Well	11.4	35	81-110	N/A	The stand was clearcut. The harvest was completed in 1987, sale 73-061-86. The stand is an undulating ridge.																																							
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71	4131 - Aspen, Oak	Sapling Well	7.1	15	Immature	N/A	The stand is a ridge. The crown closure is around 95% with a few open areas.																																							
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72	429 - Mixed Upland Conifers	Poletimber Well	13.8	66	111-140	N/A	The stand could be harvested as a clear-cut with retention or harvest as a group selection leaving strips or large pockets. The open areas in and near the stand are seeding in with fir and spruce. The harvest would also be better if it is done in the summer to get scarification and help the stand regenerate. If the stand does not regenerate clearcut what is left and treat for a red pine plantation. The terrain is rolling.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
73	42210 - Natural Red Pine	Sawtimber Medium	31.8	89	51-80	N/A	The stand was harvested by removing the hardwood, balsam fir, jack pine and marked pine. It was cut in Fox Run Mix Sale, in 2017, sale 73-004-14. The stand retained about 80 sq. ft. of red pine. The terrain is rolling and has inclusions of wet depressions.																																								
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74	4131 - Aspen, Oak	Poletimber Well	11.5	35	51-80	N/A	The stand was clear cut in 1987, in No Mud Sale, 73-005-86. It has some residual oak at the south end.																																								
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75	4133 - Aspen, Mixed Pine	Sapling Well	10.1	16	1-50	N/A	The stand was clearcut in 2006, in MB Aspen, sale 73-008-04. In the harvest all oak and conifer were retained. The aspen has regenerated well in the openings. The overstory is in pockets and is heavy to pines.																																								
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76	4130 - Aspen	Sapling Medium	35.3	7	Immature	N/A	The stand was harvested as a clearcut in 2015, in Fox Run Mix, sale 73-004-14. The harvest retained the conifer. The stand has good aspen regeneration, but it is patchy. The crown closure ranges from 100% down to below 25%. Overall, the crown closure is around 65%. The stand also has some scattered oak.																																								
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77	42110 - Planted Red Pine	Poletimber Well	4.9	66	81-110	N/A	The stand was thinned in 2006, in MB Aspen, sale 73-008-04. The thinning removed the aspen. The crown closure ranges from 100% to 60% and averages 80%.																																								
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78	4131 - Aspen, Oak	Sapling Well	7.3	15	Immature	N/A	The stand was harvested as a clearcut in 2006, in MB Aspen, sale 73-008-04. There are pockets of low density. The overstory is also in pockets. The aspen is regenerating well in the openings. The pine in the understory is highest in the North 2/3 of the stand.																																	
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79	42250 - Pine, Oak	Sawtimber Poor	15.8	89	51-80	N/A	The stand was harvested in Fox Run Mix Sale, in 2017, sale 73-004-14. The harvest was a clearcut retaining all conifer, oak and marked trees. The residual for the harvest is 58 sq ft. There were also some conifers left along the southern border to serve as a visual screen to the rail trail and as a buffer to the small pond.																																	
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80	4199 - Other Mixed Upland Deciduous	Sawtimber Well	2.5	80	81-110	N/A	The stand has remnants of an old homestead/camp. There are the remains of a stone root cellar. The terrain is undulating.																																	
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81	4130 - Aspen	Sapling Well	35.4	16	1-50	N/A	The stand was harvested as a clearcut in 2006, in MB Aspen, sale 73-008-04. Some of the oaks were retained. Most are in the southern half of the stand. There are pockets where the crown closure is below 75%.																																	
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82	4130 - Aspen	Poletimber Well	12.9	35	81-110	N/A	The stand was clear cut in 1987, in No Mud Sale, 73-005-86. The terrain is generally flat except for the west edge. There is a lot of down wood.																																	
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83	4133 - Aspen, Mixed Pine	Poletimber Well	20.5	57	111-140	N/A	Harvest the stand as a clear-cut with retention. The retention should be in pockets and mark some of the oak and pine to be retained. The terrain is undulating to rolling.																																															
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84	42200 - Natural White Pine	Sawtimber Well	11.1	82	141-170	N/A	The stand is slightly undulating especially at the north end. There are some wet areas along the south boundary and east of the pipeline. The stand could be thinned but hold 10 years.																																															
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85	4131 - Aspen, Oak	Poletimber Well	16.5	35	51-80	N/A	The stand was clear cut in 1987, in No Mud Sale, 73-005-86. The stand has some scattered openings.																																															
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86	3105 - Mixed Upland Herbaceous	Nonstocked	8.2			Managed Opening	This is the Great Lakes Gas Transmission Co. pipeline easement and a power line easement.																																															
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91	42110 - Planted Red Pine	Sawtimber Medium	27.1	64	51-80	N/A	The stand was thinned 3 years ago. The aspen regeneration is in areas of low crown density.																																										
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92	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	8.3	56	141-170	N/A	The crown closure is around 85%. The BA ranges from 80 to 170 sq. ft. The areas of lower density are pockets of hardwood. Harvest as a thinning by the removal of Aspen and thin the pine down to 90 sq. ft.																																										
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93	4130 - Aspen	Sapling Well	6.7	16	Immature	N/A	This stand are the openings that were created during the red pine thinning three years ago. The areas are coming back well as aspen. The crown closure averages around 80%.																																										
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94	4130 - Aspen	Poletimber Well	5.6	36	51-80	N/A	The terrain is flat. The stand is slightly wetter in the center. There is a trace of live white ash that are around 3 inches in DBH.																																									
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95	4130 - Aspen	Sapling Well	35.9	16	Immature	N/A	The stand was harvested as a clearcut in 2006, in MB Aspen, sale 73-008-04. It has some scattered openings. However, most are less than 1 acre in size. The terrain is undulating.																																									
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96	4199 - Other Mixed Upland Deciduous	Poletimber Medium	3.3	35	51-80	N/A	The crown closure ranges from 100% down to 50%. It averages around 70%. The terrain is undulating.																																									
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97	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.6	60	81-110	N/A	The stand is undulating and the aspen in the stand has significant rot. Many of the aspens have cavities. Some of them show signs that they are being used by cavity nesters.																																									
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98	6220 - Alder/willow	Nonstocked	4.8		Unspecified	No	The overstory is mostly dead with only a few live trees. The stand is mainly lowland shrubs.																																									
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99	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	14.9	70	111-140	N/A	The stand has a ridge along the Mill Pond but much of the interior is wet. In the wetter areas the ash is gone, and the crown closure is less than 50%.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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100 6127 - Lowland Pine Poletimber Well 6.2 45 111-140 N/A The east end is uplands, but the rest of the stand is on the flood plain of the creek that feeds the Mill Pond.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	5		White Pine	High	Variable	Sapling
Bigtooth Aspen	15	Pole/Log	8		Balsam Fir	High	Variable	Sapling
Black/Red (Hybrid) Oak	14	Pole/Sap/Log	5					
Northern White Cedar	4	Pole	7					
Hemlock	2	Log/Pole	11					
White Pine	56	Log/Pole/XLog	10	45				
Balsam Fir	7	Pole/Sapling	6					

101 4199 - Other Mixed Upland Deciduous Poletimber Well 4.2 50 81-110 N/A The stand is on a ridge that slopes down to the Mill Pond.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	16	Pole/Sap/Log	7	
Black/Red (Hybrid) Oak	38	Pole/Log/Sap	9	50
Bigtooth Aspen	35	Log/Pole	10	
Hemlock	2	Pole	5	
Red Maple	9	Pole/Sap/Log	7	

102 3303 - Mixed Low Density Trees Nonstocked 3.3 Immature No The stand is open. The crown closure ranges from 100% down to non-stocked. The average is around 20%.

Sub-Canopy Species	Density	Avg. Height	Size
Cherry (spp.)	Low	10 - 20 feet	Pole
White Spruce	Trace	10 - 20 feet	Pole
Scotch Pine	Trace	10 - 20 feet	Pole
Red Pine	Trace	>20 feet	Log
Black/Red (Hybrid) Oak	Low	Variable	Pole

103 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 6.9 41 51-80 N/A This is an open forest area. The crown closure ranges from 100% down to non-stocked. The stand is generally flat, but it slopes down to the Mill Pond.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	22	Pole/Sap/Log	8		White Pine	High	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	25	Pole/Sap/Log	8	41				
White Pine	23	Pole/Log/Sap	8					
Paper Birch	2	Pole/Sapling	5					
Northern White Cedar	2	Pole	5					
Black Cherry	16	Pole/Sap/Log	7					
Red Maple	10	Pole/Sap/Log	7					

104 500 - Water Nonstocked 23.8 Unspecified No This stand is the Mill Pond.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
105	6112 - Lowland Aspen	Poletimber Well	6.1	50	81-110	N/A	This is a historical site of the old Farwell Grist Mill. There is a very large concrete foundations from the old buildings.																																									
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106	500 - Water	Nonstocked	1.1		Unspecified	No	This is a small pond																																									
107	110 - Low Intensity Urban	Nonstocked	3.0		Unspecified	No	This is the Mill Pond parking lot.																																									
108	4133 - Aspen, Mixed Pine	Poletimber Medium	8.9	28	Immature	N/A	The stand was clearcut in 1994, in Deadman Lake Aspen, sale 73-007-94. The harvest retained the oak and some of the conifer. The terrain is hummocky, and the stand gets very wet going to the southeast.																																									
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109	6229 - Mixed lowland shrub	Nonstocked	8.1		Immature	No	The stand was harvested as a clear cut in 1985, New Bridge sale 73-008-85. The stand has failed to regenerate. There are some scattered trees along the north and east sides. The trees are mainly birch. Overall, the stand has regenerated to tag alder with around 10% crown closure of birch and maple.																																									
110	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Poor	8.1	8	1-50	N/A	The stand was clearcut in 1994, in Deadman Lake Aspen, sale 73-007-94. The overstory that was retained is gone because of wind throw. The stand does have a thick understory of ash that is about 8 years old.																																									
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111	6229 - Mixed lowland shrub	Nonstocked	1.6	0		No	The stand is a depression that is very wet.																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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113	4139 - Aspen, Mixed Deciduous	Poletimber Well	5.2	35	51-80	N/A	The terrain is hummocky. It is a decent pole stand but diameters are on the small side. Hold the stand for 10 years.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling/Pole	4	
Red Maple	40	Sapling/Pole	4	
White Pine	10	Log/Pole/Sap	12	
Bigtooth Aspen	45	Pole	7	35

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