



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71202

Entry Year 2018

Acreage: 1,498

County Ogemaw

Management Area: Gladwin Lake Plain

Revision Date: 2016-08-04

Stand Examiner: Dale Ekdom

Legal Description:

T21N R02E Sections 16, 21, 22, 27, 29, 31, 32, 34, 35

Identified Planning Goals:

Vegetation management in the Gladwin Lake Plain management area (MA) 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:

Soils in the compartment are Lupton muck and Rifle peat on the lower ground and Newton sand, Ottawa sand, and Rubicon sand on the somewhat drier upland areas. Terrain in the compartment is mostly level but with a water table at or just below the surface.

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

The state land in this compartment is highly fragmented and much of the acreage is isolated by private property or I-75 making assess difficult. Private land in the compartment is farmland, permanent residences on wooded acreages, or seasonal cabins on wooded acreages.

Unique Natural Features:

The East Branch of the Tittabawasee River - a designated Natural river and Spring Creek are designated as cold-water trout streams. Stands or portions of stands adjacent to these streams are HCVA's.

Archeological, Historical, and Cultural Features:

None known or detected during fieldwork.

Special Management Designations or Considerations:

None known

Watershed and Fisheries Considerations:

The East Branch of the Tittabawasee River flows through section 32 south of Greenwood Road. Spring Creek and LaPorte Creek flow through the southern portion of the compartment and eventually flow into the Tittabawasee River. There is one barrow pit used in the construction of I-75 which is now a small lake due to the high water table (Stand #94)

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, bear, and turkeys as well as non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the state. The USGS topo map indicates the location of a former pit/quarry in the SW $\frac{1}{4}$ of Section 18. A large active sand/gravel operation exists in Section 6, the northwest of the compartment. Wetlands cover much of the compartment, but there may be some sand and gravel potential on the uplands. West Branch Field is located two miles to the northeast. The field has produced over 16 million bbls of oil from the Devonian Dundee Limestone and Richfield Formation and is in secondary recovery operations currently. The field also produces gas from the Prairie du Chien. All state minerals in the area are currently leased for oil and gas exploration and development.

Vehicle Access:

Vehicle access is generally poor to the interior of the compartment due to private property access issues and the high water table. Some portions of the compartment can be accessed off county roads.

Survey Needs:

Some survey work may be necessary in this compartment before fieldwork for timber sales can be completed.

Recreational Facilities and Opportunities:

No official recreational facilities are within the compartment but the compartment is heavily used by locals for dispersed recreational activities such as hunting and fishing as well as illegal ORV use and trash dumping.

Fire Protection:

This compartment has high wildland-urban interface issues compounded by access issues. Fire protection in dry years may be difficult in some areas due to the muck soils. There are many natural and man-made barriers to fire spread in this compartment.

Additional Compartment Information:

Two larger blocks of the compartment west of I-75 were disposed of in 2014. They included state land in Sections 16, 17, and 20 as well as state land in Sections 27 and 28.

The following reports from the Inventory are attached:

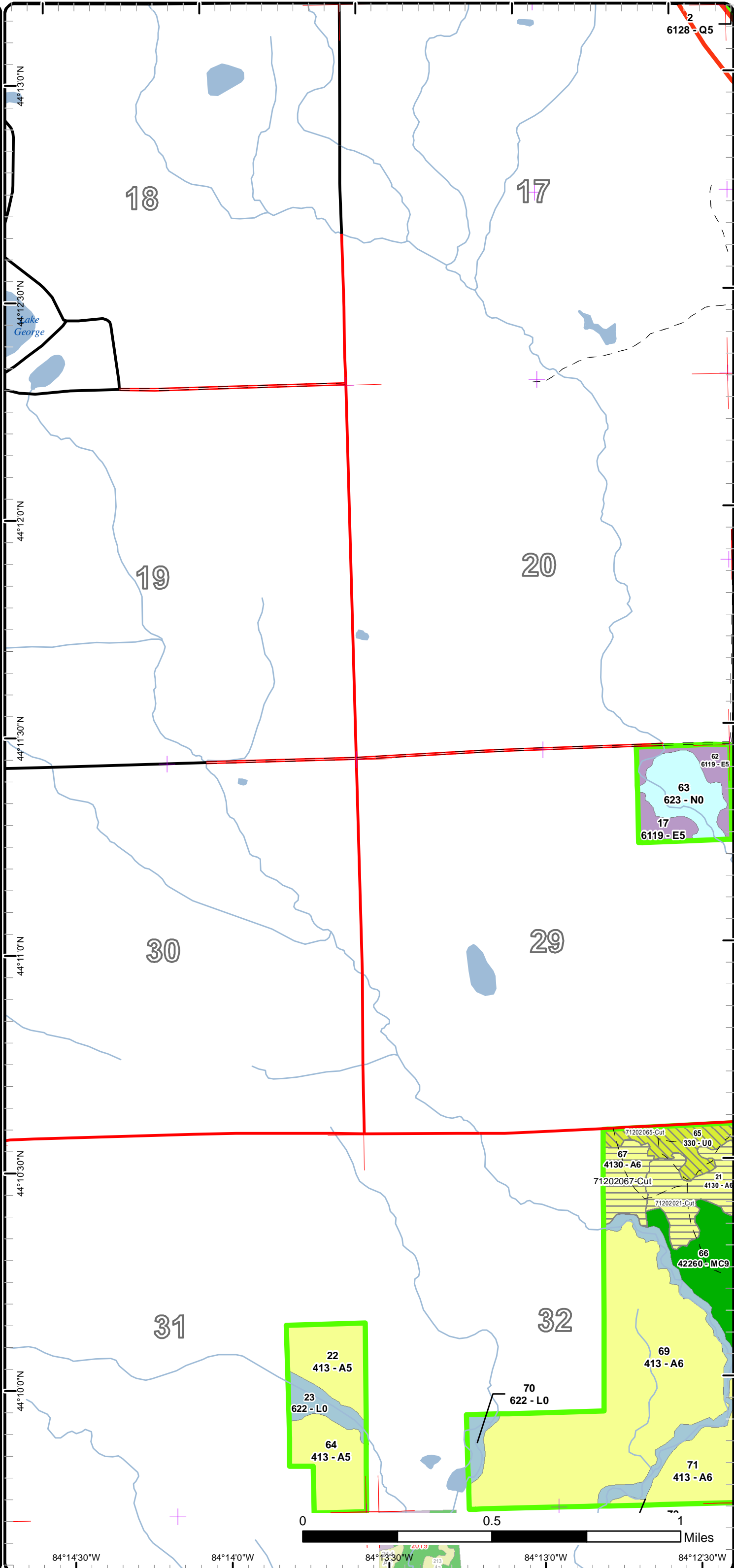
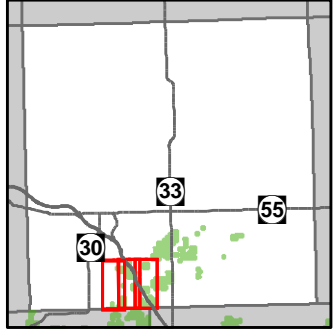
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

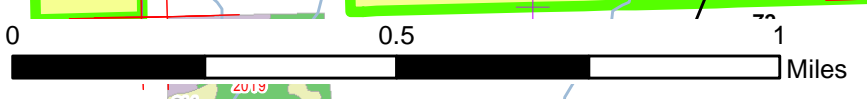
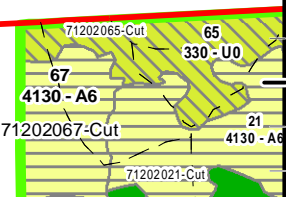
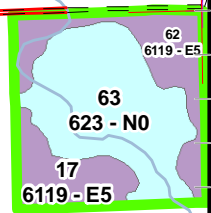
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 202
 T21N,R02WE Sec. 16, 21-22, 27,
 T21N,R02WE Sec. 29, 31-32, 34-
 35
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Gladwin Lake Plain
 YOE: 2018
 Acres: 1499 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 2/9/2017
 Map Phase: Post-Review



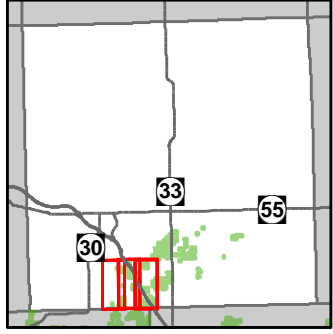
- Miris Corners
- + Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Rivers
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- ▭ Other Harvest - See Comments
- ▭ 413 - Aspen Types
- ▭ 422 - Natural Pines
- ▭ 611 - Lowland Deciduous Forest
- ▭ 330 - Low Density Trees
- ▭ 622 - Lowland Shrub
- ▭ 623 - Emergent Wetland
- ▭ Lakes



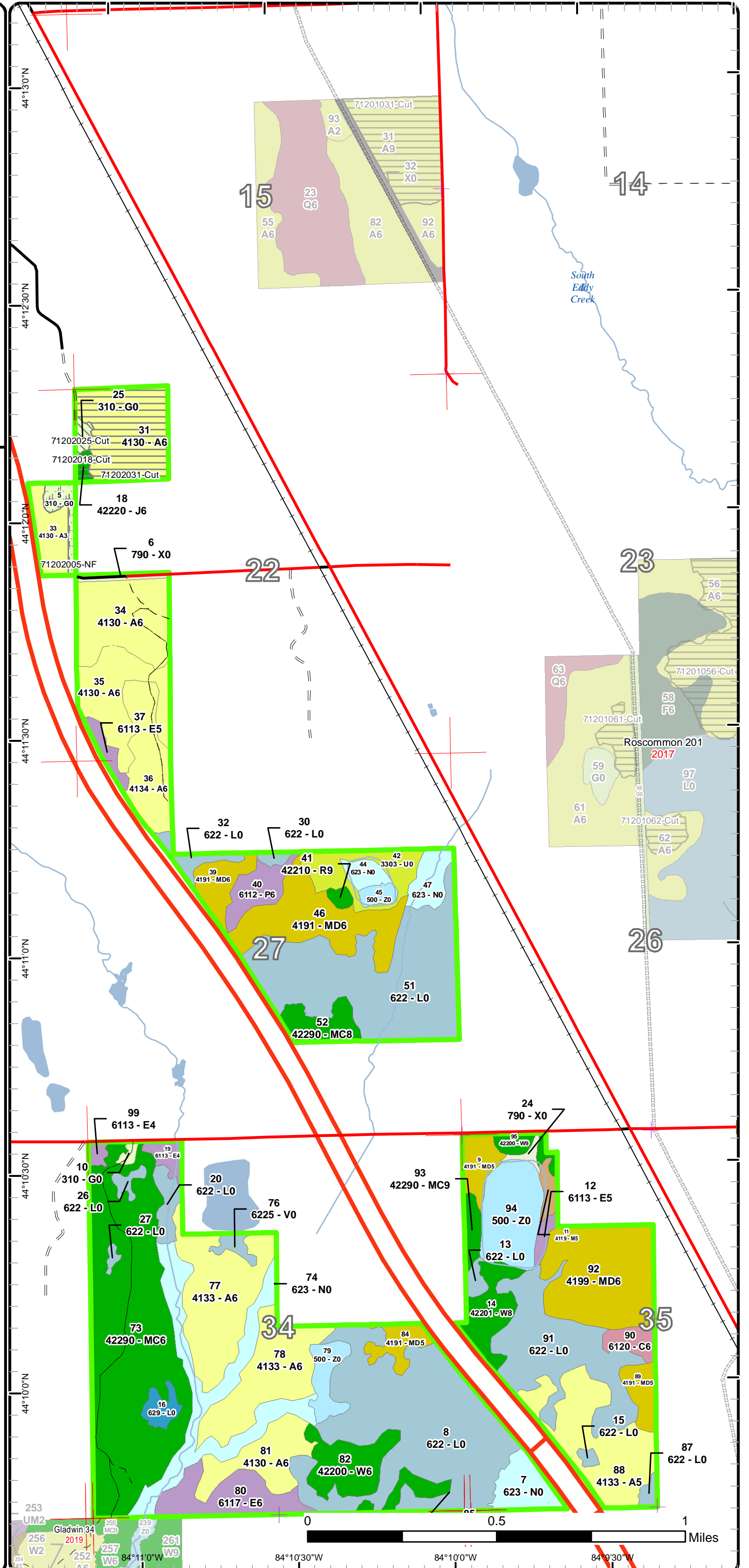
84°14'30"W 84°14'0"W 84°13'30"W 84°13'0"W 84°12'30"W

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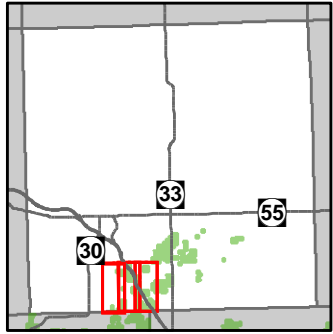


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- Other Harvest - See Comments
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
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- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- 790 - Other Bare/Sparsely Vegetated
- Lakes

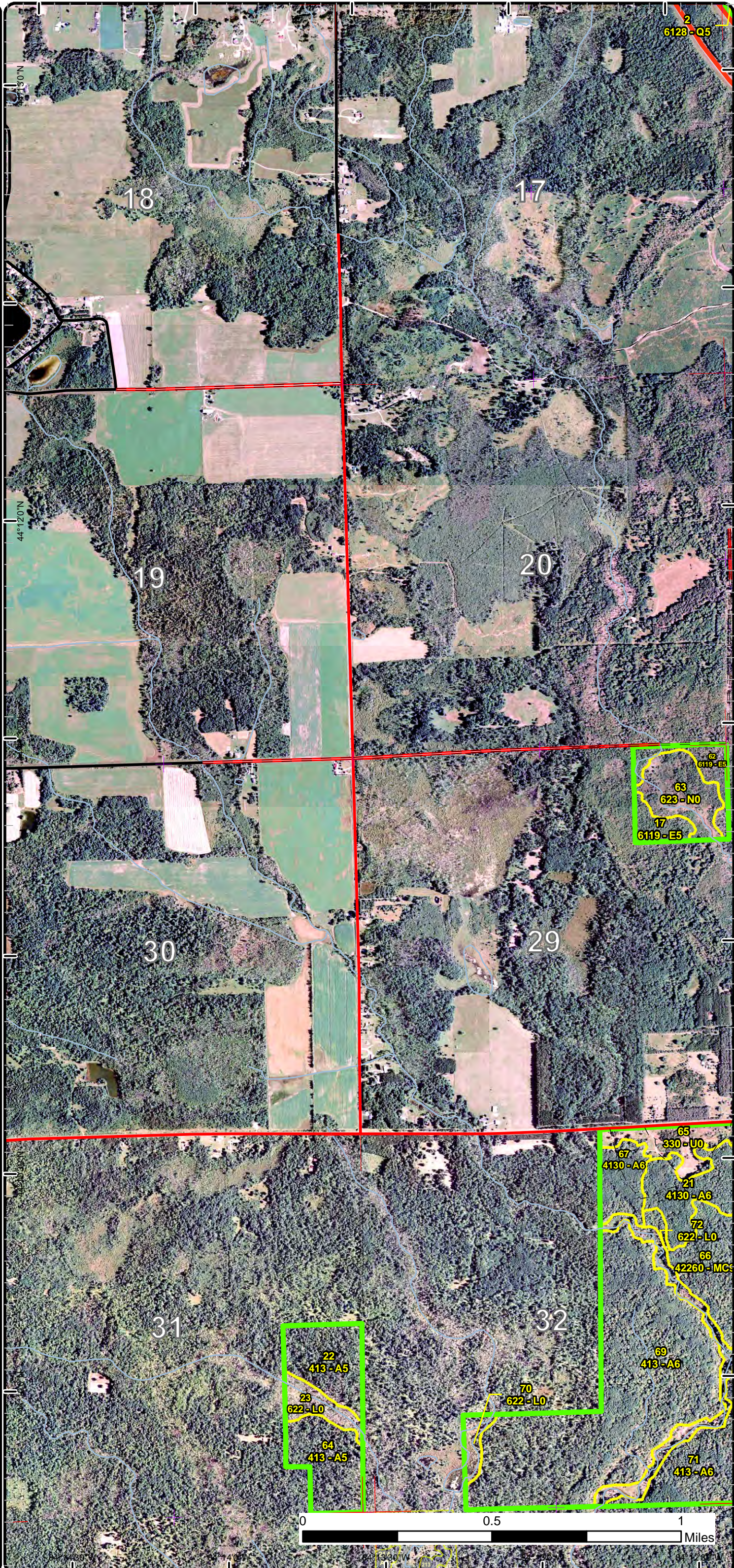


Stand Boundary Map

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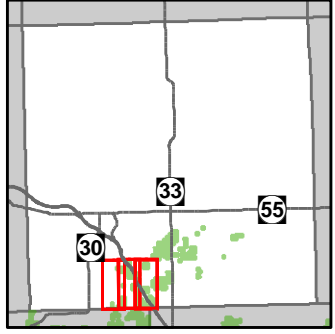


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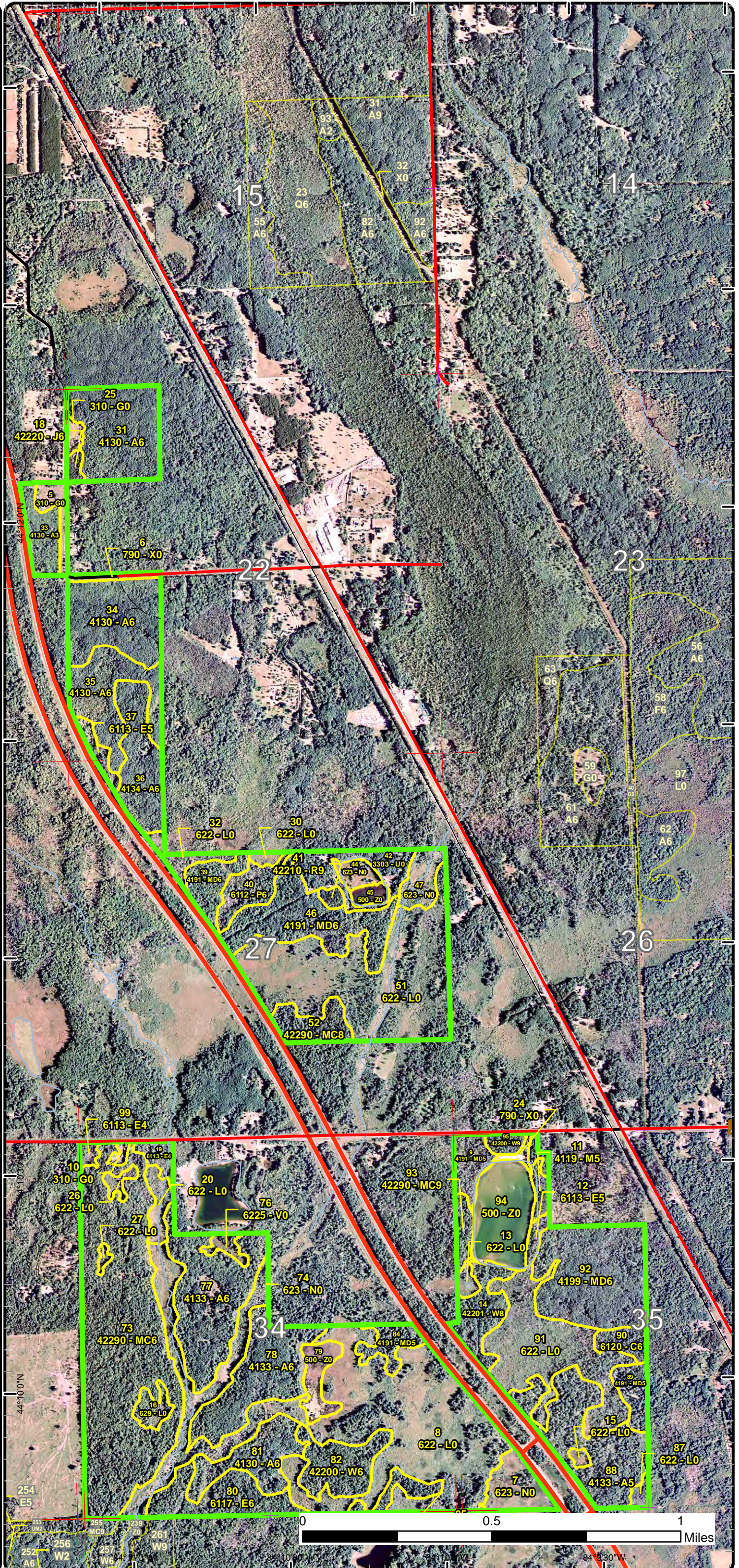


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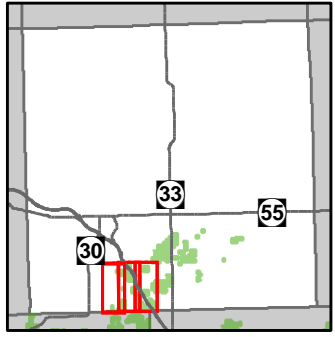


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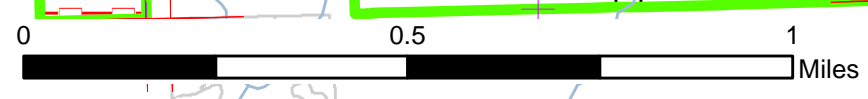
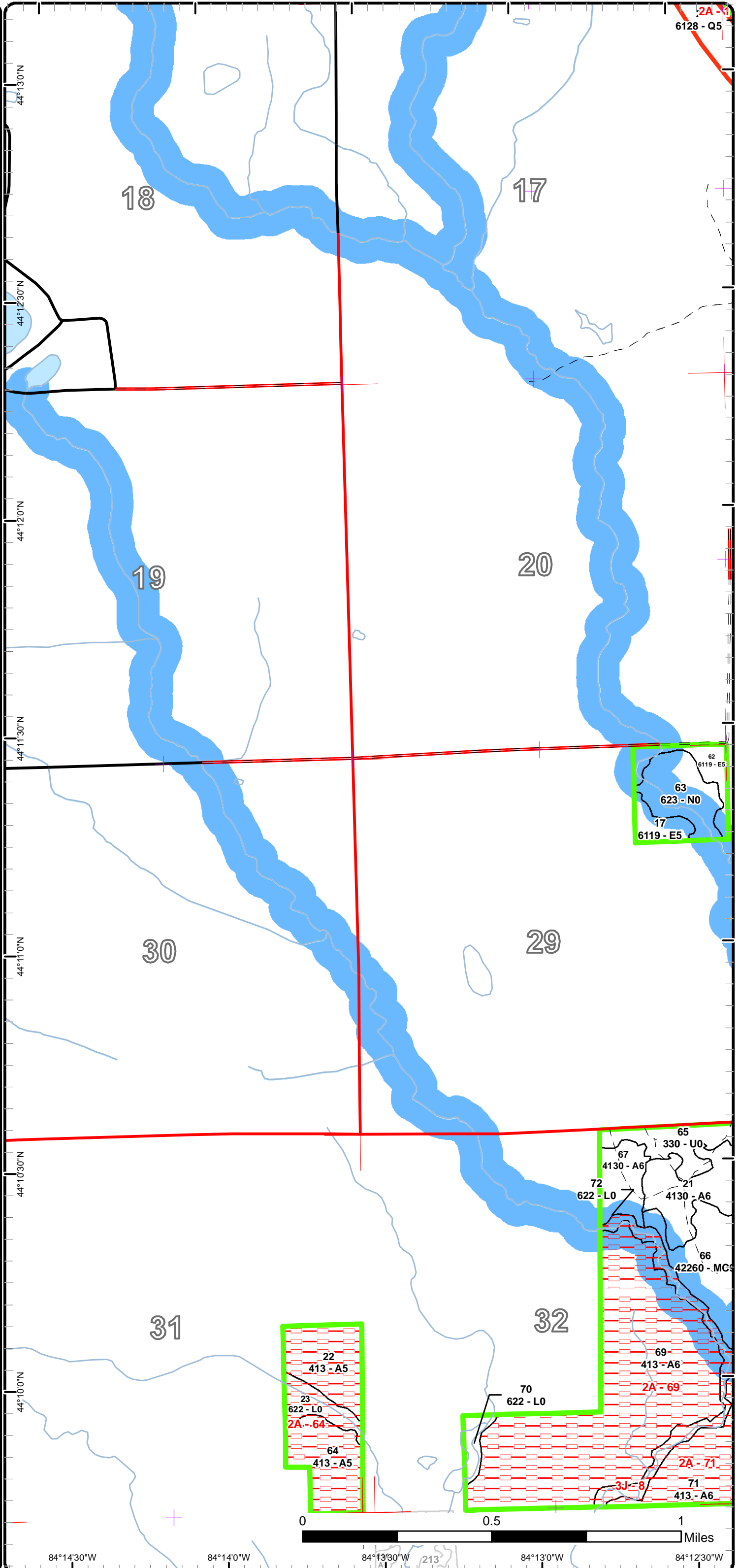


Special Conservation Areas & Site Conditions Map

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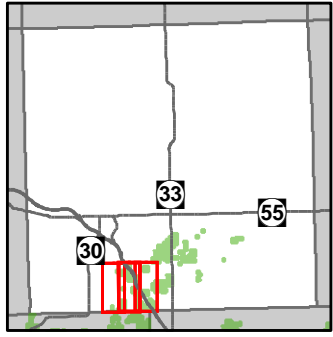
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- ▭ Compartment Boundary
- Unavailable
- 2A: Adjacent landowner denied access
- 3J: Water quality / BMPs (stream, river, or lake)
- ▭ Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



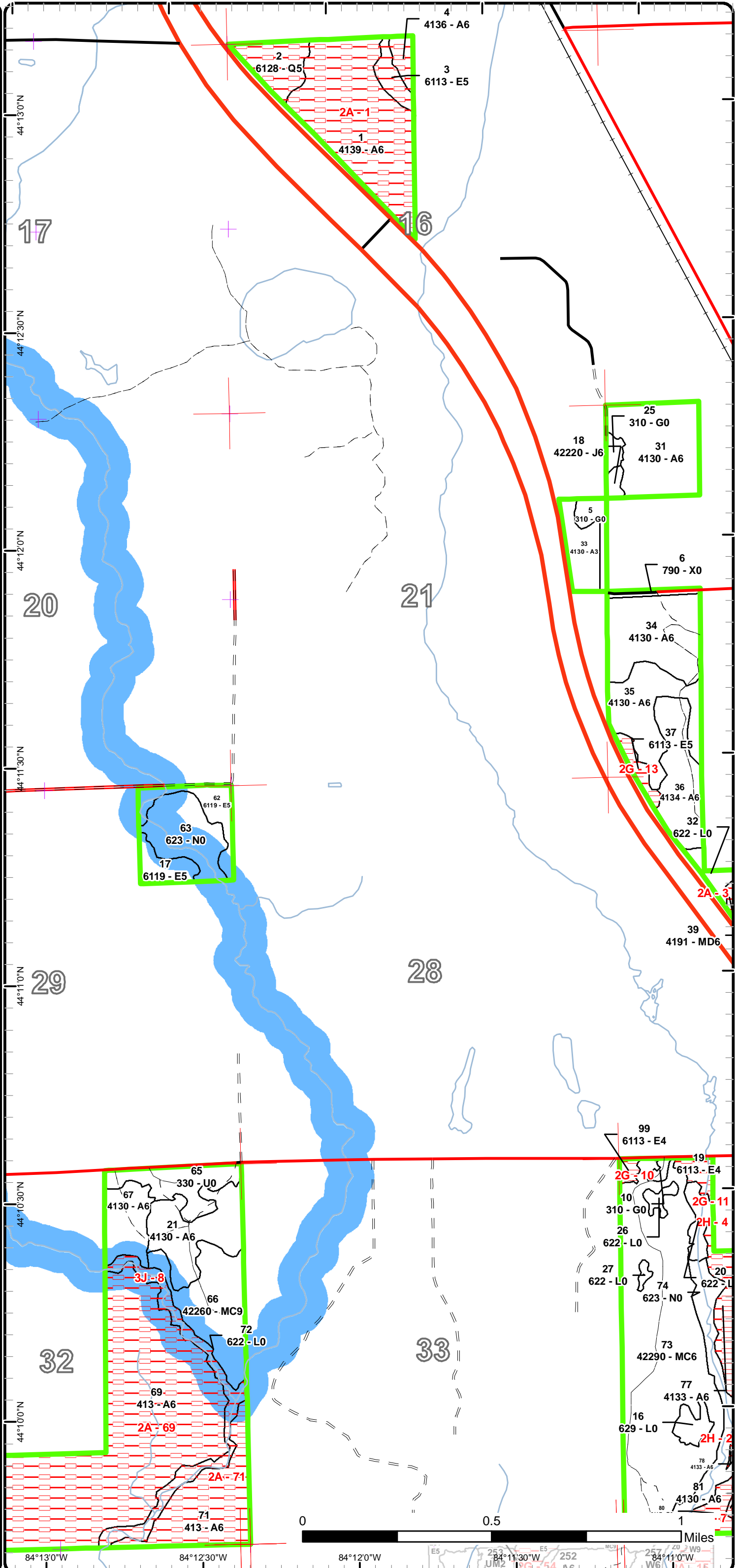
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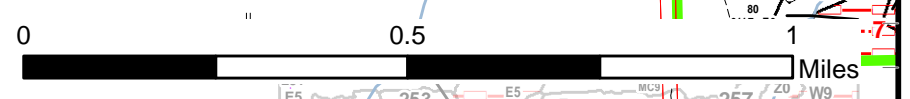
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- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
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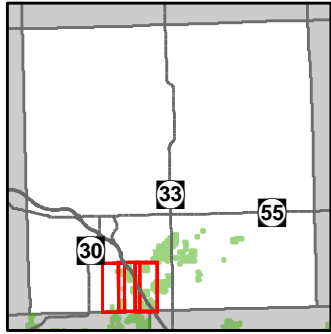


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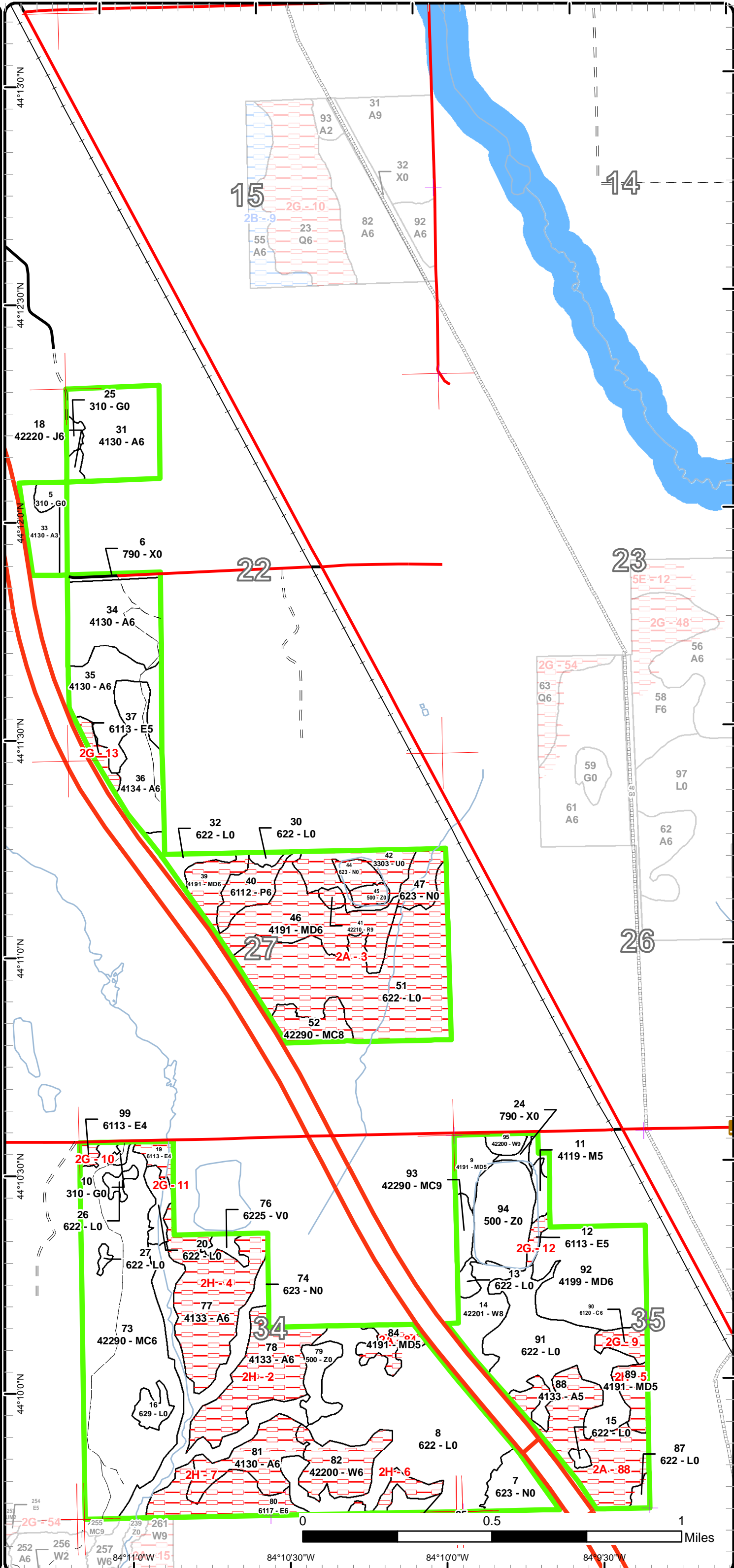


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- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



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	11	0	0	97	43	114	0	40	232	66	0	0	0	0	0	0	0	602
Bare/Sparsely Vegetated	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Jack Pine	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13
Lowland Deciduous	0	0	0	0	4	11	14	0	3	28	0	0	0	0	0	0	0	0	60
Lowland Shrub	301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300
Marsh	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Mixed Upland Deciduous	0	0	0	0	0	48	0	9	46	16	0	0	0	0	0	0	0	0	118
Natural Mixed Pines	0	0	0	0	0	0	121	0	31	11	0	0	0	0	0	0	0	0	163
Northern Hardwood	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Red Pine	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Water	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
White Pine	0	0	0	0	0	0	0	25	0	20	0	0	0	0	0	0	0	0	45
Total	475	11	0	0	103	102	260	38	120	315	66	13	0	0	0	0	0	0	1499



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2018

Acres of Harvest

Compartment 202
Total Compartment Acres: 1,498

Commercial Harvest - 96
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	75	0	0	0	0	0	0	0	0	75
Herbaceous Openland	0	0	0	0	0	0	0	0	2	2
Jack Pine	2	0	0	0	0	0	0	0	0	2
Low-Density Trees	0	0	0	0	0	0	0	0	17	17
Total	77	0	0	0	0	0	0	0	19	96

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	96	0	0	0	0	0	0	6	0	102
Next Step	0	35	17	0	0	19	112	0	5	187
Total	96	35	17	0	0	19	112	0	10	289



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	Approval Status
5	71202005-NF	5.9	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	320 - Upland Shrub		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription wildlife division will pursue planting some sort of wildlife trees/shrubs within this opening

Specs:

Next Step

Treatments:

Acceptable Any combination/density of wildlife crop trees and natural aspen/hardwood/pine regeneration

Regen:

Other Treat with Stands 18/25 to the east

Comment:

Proposed Start Date: 10/01/2017

18	71202018-Cut	2.1	42220 - Natural Jack Pine	Poletimber Well	37	1-50	Harvest	Clearcut	320 - Upland Shrub		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription final harvest this stand with the aspen to the east, Wildlife Division will pursue planting of wildlife cover crop in the resulting opening with the

Specs: grassy opening to the north, possible trespass on the south end, survey needed to establish correct south boundary

Next Step

NonForestMgt, Fruit Tree/Shrub Planting; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Any combination/density of planted wildlife cover crop and natural jack pine/aspen regeneration

Regen:

Other mark some white pine along the road for visual

Comment:

Proposed Start Date: 10/01/2017

21	71202021-Cut	25.8	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut with aspen stand to the west, leave all oak for wildlife mast but manage for aspen, line out the small patch of white pine L-X log trees in the

Specs: NE corner for retention and visual on Greenwood Road, add drumming log specs to the sale

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of species to a fully stocked stand

Regen:

Other pursue a road closure at the Stand 21/66 boundary to curtail trash dumping and illegal ORV use, possible RDR

Comment:

Proposed Start Date: 10/01/2017

25	71202025-Cut	2.4	310 - Herbaceous Openland	Nonstocked		Unspec ified	Harvest	Other - Specify	320 - Upland Shrub		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription harvest merchantable trees in this opening with the surrounding aspen and jack pine and then wildlife Division will pursue planting of the opening

Specs: with a wildlife cover species, may need to roller-chop or herbicide to eliminate competition from the scots pine saplings in the opening

Next Step

SitePrep, Roller Chopping; Pesticide, Other - Specify; NonForestMgt, Fruit Tree/Shrub Planting

Treatments:

Acceptable Any combination/density of planted wildlife cover species and natural aspen regeneration

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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	Approval Status
31	71202031-Cut	34.3	4130 - Aspen	Poletimber Well	51	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription final harvest for aspen management, leave out wet pockets on the south end for retention and BMP's, leave all oak for mast and possibly leave
Specs: smaller white pine for diversity and visual

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable any combination of aspen and other species to a fully stocked stand
Regen:

Other consider dormant season cut to reduce rutting and increase sprouting, add drumming log specs to the sale
Comment:

Proposed Start Date: 10/01/2017

65	71202065-Cut	16.5	330 - Low-Density Trees	Nonstocked		Unspec ified	Harvest	Other - Specify	4221 - Natural Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest most merchantable trees within the grassy opening, trench approx. 80% of the opening and re-plant to red pine, the remaining 20% will
Specs: be left in a open condition (South lobe). may have to herbicide or roller-chop first before trenching to reduce competition from scots pine saplings, delay roller-chopping or herbicide treatments 2 years so scots pine can re-sprout before killing it.

Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Aerial; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring,
Treatments: Artificial Regen(3yr)

Acceptable any combination of planted red pine and natural regeneration of hardwoods to a fully stocked stand
Regen:

Other trench and plant around any areas heavy to aspen regeneration, eliminate wet ground in the middle of the stand for any treatment
Comment:

Proposed Start Date: 10/01/2017

67	71202067-Cut	14.7	4130 - Aspen	Poletimber Well	39	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut with aspen stand to the east, leave all oak for wildlife mast but manage for aspen, line out for retention the SW corner where the creek
Specs: flowing NW to SE into the Tittabawasee River cuts off a small portion of this stand

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Any combination of species to a fully stocked stand
Regen:

Other add drumming log specs to the sale
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 101.7**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dale Ekdorn : Examiner

Compartment: 202
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2A	2G	2H	3J
603	168	0	434	Aspen	338		96	
4	4	0	0	Bare/Sparsely Vegetated				
3	3	0	0	Bog				
6	0	0	6	Cedar		6		
10	10	0	0	Herbaceous Openland				
2	2	0	0	Jack Pine				
32	17	0	16	Low-Density Trees	16			
11	0	0	11	Lowland Aspen/Balsam Poplar	11			
13	0	0	13	Lowland Conifers	13			
59	19	0	41	Lowland Deciduous	6	13	22	
300	184	0	116	Lowland Shrub	95		0	21
88	75	0	13	Marsh	13			
118	58	0	60	Mixed Upland Deciduous	52		8	
162	151	0	11	Natural Mixed Pines	11			
4	4	0	0	Northern Hardwood				
2	0	0	2	Red Pine	2			
37	34	0	3	Water	3			
45	20	0	24	White Pine			24	
1,498	749		749	Total Forested Acres	559	19	151	21
	50%		50%	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	2A: Adjacent landowner denied access	85	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 202

Dale Ekdorn : Examiner

Year of Entry: 2018

2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2A: Adjacent landowner denied access	185	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	43	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 202

Dale Ekdor : Examiner

Year of Entry: 2018

7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	61	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	21	3D: Recreational / Scenic values	3G: Other Influence zones - See comments	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 202

Dale Ekdorn : Examiner

Year of Entry: 2018

13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Unavailable	2A: Adjacent landowner denied access	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Unavailable	2A: Adjacent landowner denied access	148	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
71	Unavailable	2A: Adjacent landowner denied access	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
84	Unavailable	2A: Adjacent landowner denied access	7	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
88	Unavailable	2A: Adjacent landowner denied access	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	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	Roscommon Mgt. Unit		Report 7 – Forested Stands			Compartment: 202 Year of Entry: 2018	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	4139 - Aspen, Mixed Deciduous	Poletimber Well	61.8	91	Unspecified	OPIC - FMD: NO ACCESS.	
2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	12.8	109	Unspecified		
3	6113 - Lowland Maple	Poletimber Medium	5.6	81	Unspecified	NO ACCESS.	
4	4136 - Aspen, Mixed Conifer	Poletimber Well	4.2	91	Unspecified	NO ACCESS.	
9	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	8.5	61	51-80	upland next to the lake and lower ground to the west and north, upland part is a red maple pole stand, lower areas are red maple with black ash that is dead/dying, red maple sapling understory is 1-3" in dbh, stand is replacing itself on its own	
11	4119 - Mixed Northern Hardwoods	Poletimber Medium	3.6	61	51-80	red maple pole stand with scattered white birch and white pine, also scattered red maple/RO SL's and XL's, stand is doing well on its own	
12	6113 - Lowland Maple	Poletimber Medium	2.8	77	51-80	lower than stands to the north, was black ash/red maple mix but now is mostly red maple poles with some scattered elm also, very heavy red maple/tag alder/black ash understory, could almost call 2-aged, parts are very wet and other parts may be operable	
14	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Medium	14.9	87	81-110	looked at from I-75, no access due to terrain and private property, slowly converting to hardwoods	
17	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	7.5	57	Unspecified	lowland ash stand, very similar to St #62 but approx. 15-20 years older according to previous inventory records, wet low ground with areas of pure tag alder with scattered trees, within floodplain of Spring Creek, Evert sand and Roscommon mucky sand, difficult/no access and difficult operability except in very dry years and no dry spots for landings, maintain as BMP buffer for the cold water trout stream	
18	42220 - Natural Jack Pine	Poletimber Well	2.1	37	1-50	poor quality jack pine and white pine mixed with scots pine, stand is fairly young yet but recommend final harvesting this stand with the aspen to the east and trenching/planting red pine with the grassy opening to the north, possible trespass on the south end, survey needed to establish correct south boundary	
19	6113 - Lowland Maple	Poletimber Poor	4.5	57	1-50	very wet stand with small areas of somewhat drier terrain, black ash pretty well gone, nice cohort of RM saplings in the drier parts of the stand, east part has a major drain/stream running north to south	
21	4130 - Aspen	Poletimber Well	25.8	51	81-110	Nice big tooth aspen stand growing well. A6 converting to A9. Some scattered white birch and oak. Red maple and white pine in understory with scattered areas W3. Scattered white pine in pole class size. Scattered R/W pine log trees and oak log trees. Small patch of white pine in NE corner along private. Recommend cutting now to balance aspen age class distribution.	

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 202
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	413 - Aspen	Poletimber Medium	24.4	86	51-80	No access except thru private, numerous low/wet areas
31	4130 - Aspen	Poletimber Well	34.3	51	Unspecified	nice A6 stand which needs to be regenerated, some aspen dieback and blowdown occurring due to water table close to the surface, south end has 2 or 3 wet pockets of various sizes which could be buffered and left out of the sale for retention
33	4130 - Aspen	Sapling Well	11.2	7	Immature	Cut 2009 for aspen management but left BF poles and some oak SL's for visual, etc.
34	4130 - Aspen	Poletimber Well	32.8	37	Unspecified	A6 Stand growing well but still young yet and mostly too small to cut, terrain is lower ground but probably operable during the right conditions, parts of the stand appear to be 2 aged as there are areas with scattered SL size aspen in amongst the pole and sapling size ones, there are several wet potholes scattered within the stand, recommend holding 10 years and then cutting with the aspen stands to the south
35	4130 - Aspen	Poletimber Well	26.1	37	Unspecified	mostly TA , growing well with parts heavy to balsam fir, mostly pole/sapling size still, numerous wet runs and potholes, recommend holding 10 years and then cutting with the surrounding aspen stands
36	4134 - Aspen, Spruce/Fir	Poletimber Well	23.5	37	Unspecified	mostly TA pols but also has areas which are heavy to a=saplings and areas with scattered SL's, heavy balsam fir in most of the stand, scattered potholes and vernal ponds, recommend holding 10 years and then treating with the aspen stands to the north
37	6113 - Lowland Maple	Poletimber Medium	4.3	37	Unspecified	very wet pothole with scattered red maple saps and poles with lots of dead/dying ash, tag alder understory
39	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.3	77	51-80	looked at from I-75, no access due to terrain and private property
40	6112 - Lowland Aspen	Poletimber Well	10.5	51	Unspecified	looked at from I-75, no access due to terrain and private property, wet aspen stand in a broad drainage
41	42210 - Natural Red Pine	Sawtimber Well	1.9	87	81-110	No access due to private property and low/wet terrain
46	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	35.5	77	81-110	looked at from I-75, no access due to terrain and private property
52	42290 - Natural Mixed Pine	Sawtimber Medium	10.8	87	81-110	looked at from I-75, no access due to terrain and private property, slowly filling in with hardwoods and white pine
62	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	11.1	40	Unspecified	wet low ground with standing water is spots, so far black ash is holding on but is slowly dying out, stand is slow growing due to the fluctuating water levels, there are also several small very wet areas with just tag alder and scattered trees, Evert sand and Tawas mucky peat soils, difficult operability except in extremely dry years and no dry spots for landings, maintain as BMP buffer for the cold water trout stream



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	413 - Aspen	Poletimber Medium	26.0	86	51-80	No access except thru private, numerous low/wet areas
66	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	30.9	71	81-110	nice mix of everything but more pine than hardwoods, very unique site with lots of wildlife sign, lots of almost legacy size R/W pine (and huge wolfy oaks) scattered thru-out entire stand and numerous areas are heavy to these XL R/W pine, full stocking of approx. 30-35 year old white pine in the understory, very high SI for RP of 68, terrain is flat to rolling except on the west edge where there is a high steep bank going to the river bottom with hemlock and cedar pockets in spots, the south few acres is cut off by a creek running thru a low swale east to west into the Tittabawasee River, recommend no treatment at this time or anytime in the near future, consider closing the 2T along the top of the bank due to trash-dumping and illegal ORV traffic to forstall future erosion problems
67	4130 - Aspen	Poletimber Well	14.7	39	1-50	Young A6 stand, Red maple and white pine in understory and a few oak poles/SL's scattered thru-out, some white pine in pole size class, SW corner is cut off by a creek flowing NW to SE into the Tittabawasee River, still young yet and smaller diameters but worth cutting with Stand #21 to the east to balance the aspen age classes .
69	413 - Aspen	Poletimber Well	148.0	87	81-110	No access due to Tittabawasee River drainage and private property, southwest part is lower and wetter
71	413 - Aspen	Poletimber Well	33.9	81	51-80	No access except thru private property
73	42290 - Natural Mixed Pine	Poletimber Well	115.6	58	51-80	White pine pole stand transitioning to log size stand, WP poles/SL's with some super-canopy R/W pine also, scattered hardwoods with some spots in the stand heavy to hardwoods, WP persistent thru-out stand, heavy WP sapling understory with some understory white pine almost pole size, mostly even aged but there appear to be almost 3 ages of white pine in spots and at least 2 ages of red maple in spots, recommend holding any treatment until next YOE until understory WP becomes more merchantable and then evaluating the stand for a possible thinning treatment, terrain is upland but there are also numerous small wet potholes
77	4133 - Aspen, Mixed Pine	Poletimber Well	42.5	42	Unspecified	No access due to private property and low/wet terrain
78	4133 - Aspen, Mixed Pine	Poletimber Well	33.6	51	Unspecified	No access due to low/wet terrain, private property, and I-75
80	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	21.6	83	51-80	No access due to private property and low/wet terrain, east part appears more upland but the west part is low/wet terrain and cut by at least 1 broad drainage area
81	4130 - Aspen	Poletimber Well	20.1	51	Unspecified	No access due to PVT property and low/wet terrain
82	42200 - Natural White Pine	Poletimber Well	18.6	65	81-110	no access, island of upland surrounded by wet terrain.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
84	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	7.8	82	1-50	looked at from I-75, no access due to terrain and private property, BTA stand which is converting to RM and WP
85	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	6.0	65	81-110	no access, peninsula of higher ground extending into Ogemaw county from the south
88	4133 - Aspen, Mixed Pine	Poletimber Medium	39.5	71	51-80	looked at from I-75, no access due to terrain and private property, numerous low/wet potholes
89	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	7.9	81	1-50	no access due to private property and low/wet terrain
90	6120 - Lowland Cedar	Poletimber Well	6.0	81	111-140	2008 OI showed mostly NWC poles and WP SL's with scattered red maple and black ash poles - still that way but with less black ash due to EAB mortality
92	4199 - Other Mixed Upland Deciduous	Poletimber Well	47.8	47	81-110	upland stand with areas of lower ground, cut in 1/2 by at least 1 broad drainage running from the NE part of the stand to the west, would need to freeze a road in across Stand #12 or build a road thru Stand #12, stand is doing well on its own
93	42290 - Natural Mixed Pine	Sawtimber Well	4.9	51	81-110	OPIC - FMD: Thin strip of scattered aspen and other hardwood poles including oak with red, white and jack pine logs, XL's, and poles. Everything is low quality.
95	42200 - Natural White Pine	Sawtimber Well	5.3	81	81-110	SL, pole, and XL white pine, very poor quality white pine with lots of evidence of past weeviling, aspen, red maple, and oak are doing okay
99	6113 - Lowland Maple	Poletimber Poor	1.9	57	1-50	very wet stand with small areas of somewhat drier terrain, black ash pretty well gone, nice cohort of RM saplings in the drier parts of the stand



Stand	Cover Type	Acres	Managed Site	General Comments:
5	310 - Herbaceous Openland	5.9	No	Grassy Openng
6	790 - Other Bare/Sparsely Vegetate	2.5	No	Grassy Opening/ROW for LaPorte Road & Powerline
7	623 - Emergent Wetland	12.6	No	Remnants of old beaver flooding
8	622 - Lowland Shrub	103.6	No	
10	310 - Herbaceous Openland	1.4	No	grassy opening just south of Greenwood Road, encroaching conifers
13	622 - Lowland Shrub	2.6	No	
15	622 - Lowland Shrub	1.4	No	low/wet pothole with tag alder
16	629 - Mixed non-forested wetland	4.9	No	Was E4/L. black ash mostly dead so just scattered red maple left and not enough to make afforested stand anymore
20	622 - Lowland Shrub	6.2	No	lowland shrub with scattered trees (especially the north end)
23	622 - Lowland Shrub	10.0	No	OPIC - FMD: NO ACCESS. Wet in areas
24	790 - Other Bare/Sparsely Vegetate	1.8	No	beach/pathway areas and other sparsely vegetated areas
25	310 - Herbaceous Openland	2.4	No	grassy opening with encroaching conifers, consider harvesting merchantable trees in this opening with the surrounding aspen and jack pine and then trenching/planting red pine
26	622 - Lowland Shrub	2.4	No	
27	622 - Lowland Shrub	1.1	No	
30	622 - Lowland Shrub	1.7	No	
32	622 - Lowland Shrub	5.4	No	lowland shrub with scattered trees
42	3303 - Mixed Low Density Trees	15.7	No	Degraded areas from barrow pit operation with encroaching trees
44	623 - Emergent Wetland	4.5	No	no access, part of old barrow pit



Stand	Cover Type	Acres	Managed Site	General Comments:
45	500 - Water	3.1	No	old barrow pit
47	623 - Emergent Wetland	8.6	No	
51	622 - Lowland Shrub	83.9	No	OPIC - FMD: NO ACCESS.
63	623 - Emergent Wetland	21.3	No	Marshland/floodplain around Spring Creek which is a Cold Water Trout Stream (HVCA), Evert sand with a high water table or water table at the surface
65	330 - Low-Density Trees	16.5	No	Low density trees. Grassy opening with lots of encroaching conifers and hardwoods, possibly forested next YOY?, hardwoods are mostly aspen and red maple saplings and poles and the conifers are mostly jack pine, red pine, scots pine, and white pine and range from saplings to log size trees, maintain where possible as a buffer for any cuts to the south of this stand, consider harvesting the merchantable trees with the aspen to the south and then trenching and planting all or part of this stand to red pine
70	622 - Lowland Shrub	5.6	No	wet pothole with tag alder
72	622 - Lowland Shrub	20.7	No	Low flood plain surrounding Tittabasse River - a cold water trout stream (HCVA). Tag alder with scattered black ash and a few red maples.
74	623 - Emergent Wetland	41.4	No	OPIC - FMD: STREAM DRAINAGE.
76	6225 - Bog	3.1	No	
79	500 - Water	8.8	No	beaver flooding
87	622 - Lowland Shrub	2.3	No	lowland shrub
91	622 - Lowland Shrub	48.7	No	
94	500 - Water	25.4	No	old barrow pit from construction of I-75