



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54003

Entry Year 2020

Acreage: 886

County Montmorency

Management Area: AuSable Outwash

Revision Date: 2018-03-27

Stand Examiner: Andrew Krugh

Legal Description:

T29N, R01E, Sec. 19, 25, 31, 32, 35 and 36

Identified Planning Goals:

Mineral Development, Timber Harvest, Motorized Recreation.

Soil and topography:

Mostly sandy and level, predominantly PARVHa and PVCd. Some areas feature either frost pockets or vernal ponds. The southwest corner has complex wetland mixes.

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

This is a highly fragmented compartment. Surrounding lands consist largely of Lewiston lakes cottage sprawl.

Unique Natural Features:

Reported by MNFI.

Archeological, Historical, and Cultural Features:

One or more sites have been reported.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

The Middle Branch of Big Creek is a Natural River. There is a water access site on Spectacle Lakes.

Wildlife Habitat Considerations:

This compartment is a good opportunity to manage for wildlife. It is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many game animals. Habitat components of aspen and oak provide food and cover for multiple species at a variety of age classes. We are working to maintain oak and other mast producing trees as well as keep a good age rotation of aspen in this compartment in conjunction with adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Sections 19, 25, 31-32, & 36, T29N-R1E, Montmorency County

Active sand/gravel pits are located in sections 23 and 24, and there is additional sand & gravel potential within the compartment. Glacial drift is too thick in this area for bedrock non-metallic mineral potential. This area is mostly leased and has been heavily developed for Antrim Shale gas. There is not much potential for additional future Antrim wells. There has been some Niagaran oil production in the area, even though this area is south of the main Niagaran reef trend. There may be some Niagaran potential within the compartment. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

There is good vehicle access to most of the compartment. No roads need to be closed at this time.

Survey Needs:

None

Recreational Facilities and Opportunities:

Little Wolf Lake Campground, a water access site on Spectacle Lakes, plus a snowmobile trail.

Fire Protection:

MDNR and Lewiston VFD.

Additional Compartment Information:

The following reports from the Inventory are attached:

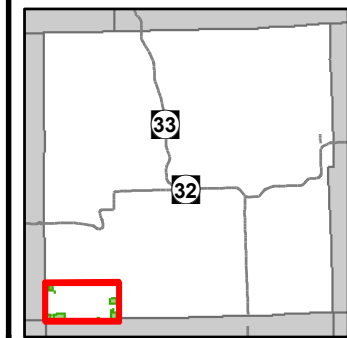
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

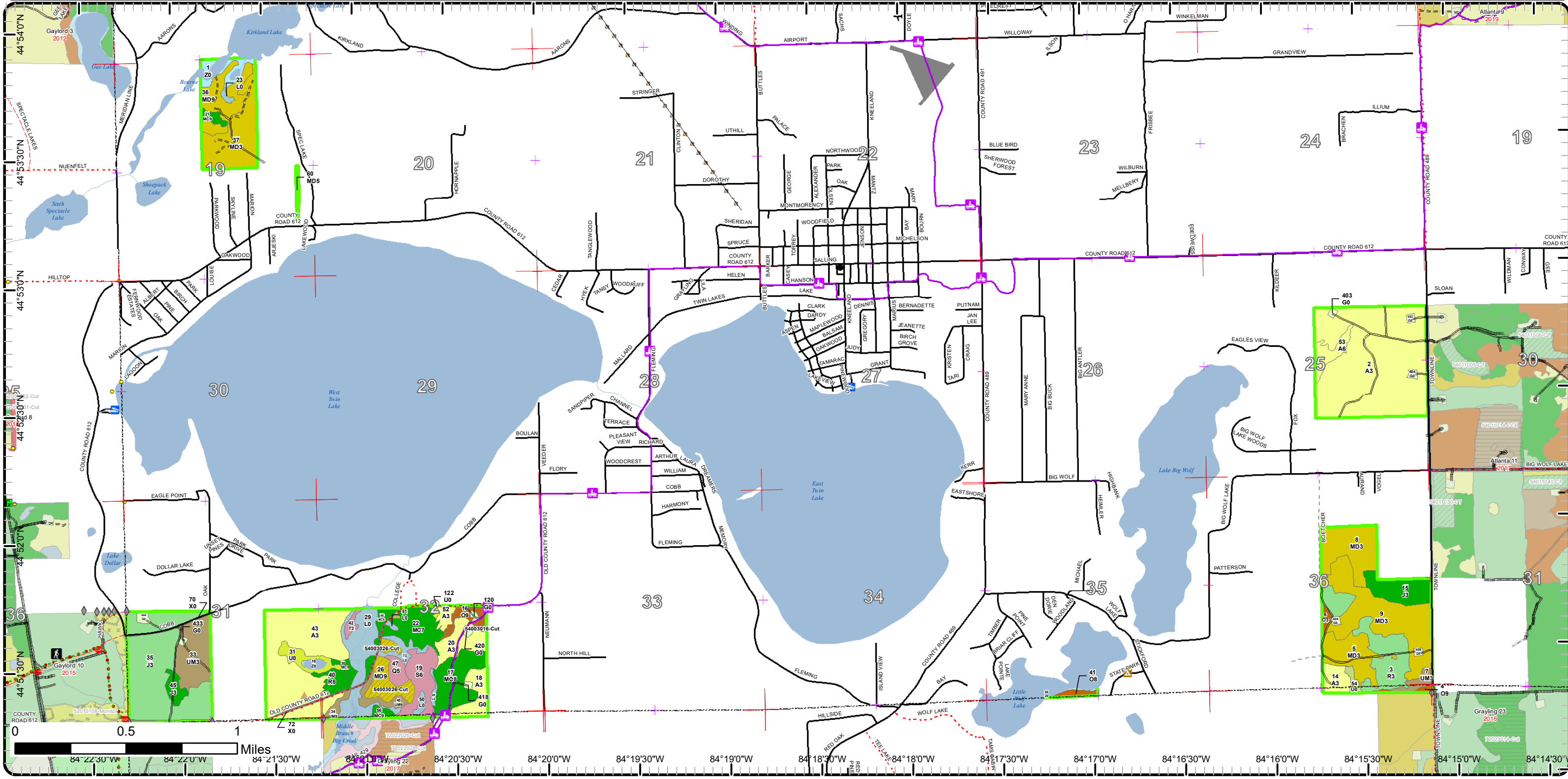
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 3
 T29N, R01E, Sec. 19, 25, 31, 32,
 35, 36
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: AuSable Outwash
 YOE: 2020
 Acres: 886 GIS Calculated
 Examiner: Andrew Krugh
 Map Revised: 10/2/2018
 Map Phase: Post-Review

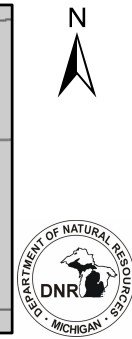
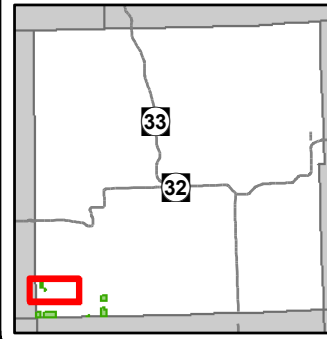


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- == DNR - Primary Forest Road
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- Designated Snowmobile Trails
- ▲ Berms
- Boating Access Site
- ▲ Campground
- City
- Sign
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Pipeline
- Powerline
- Airports
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

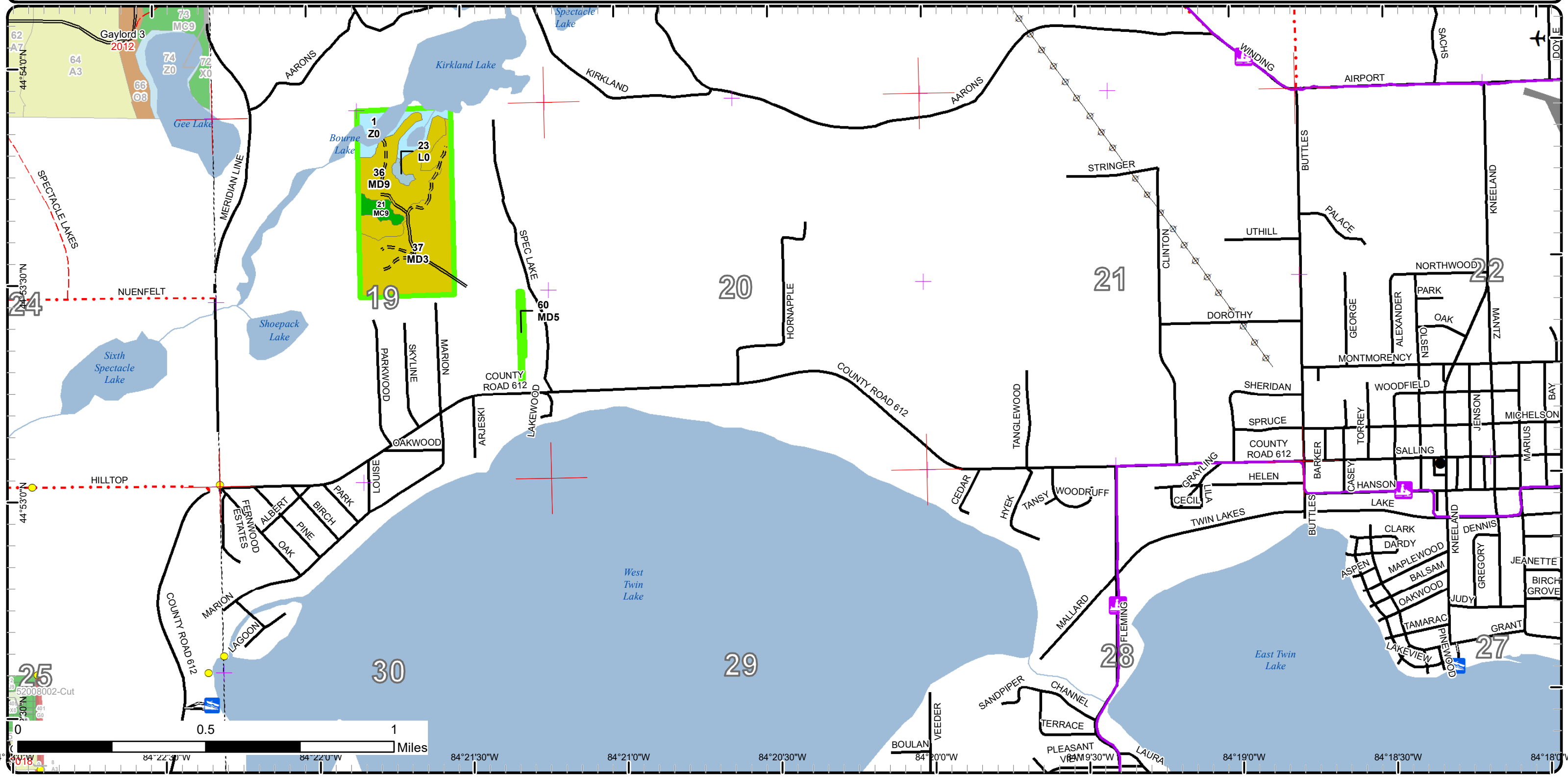


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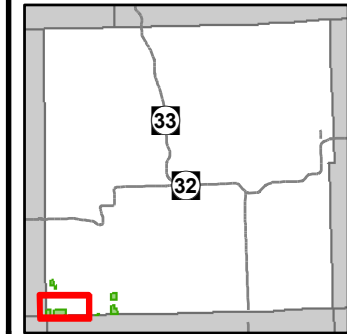


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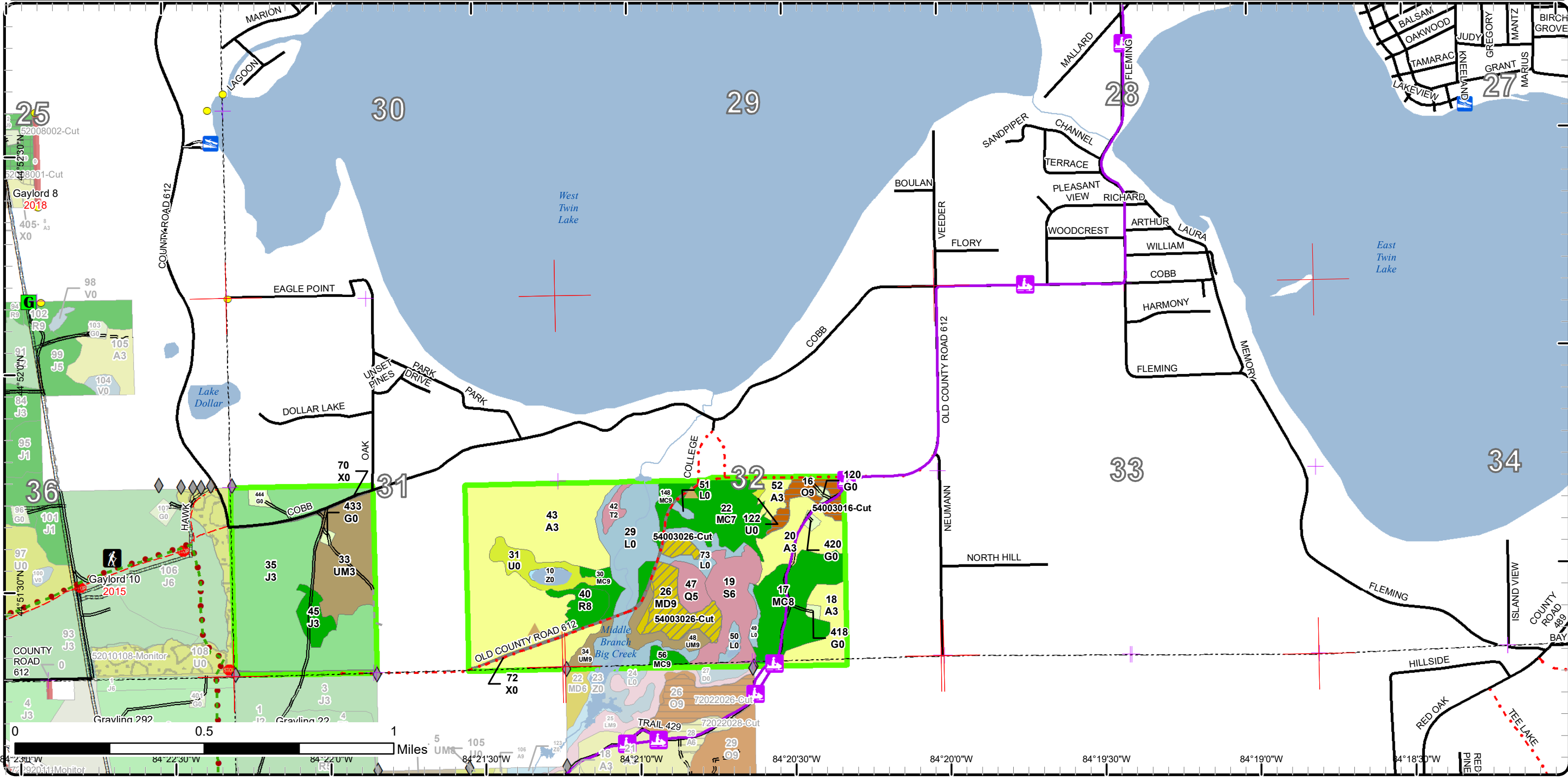


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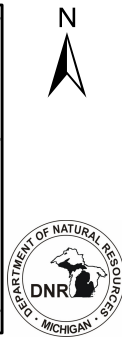
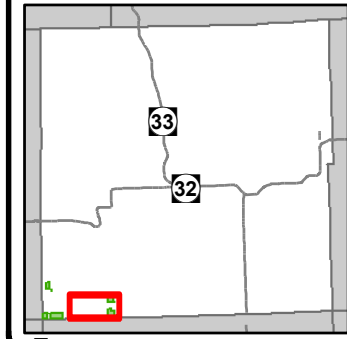


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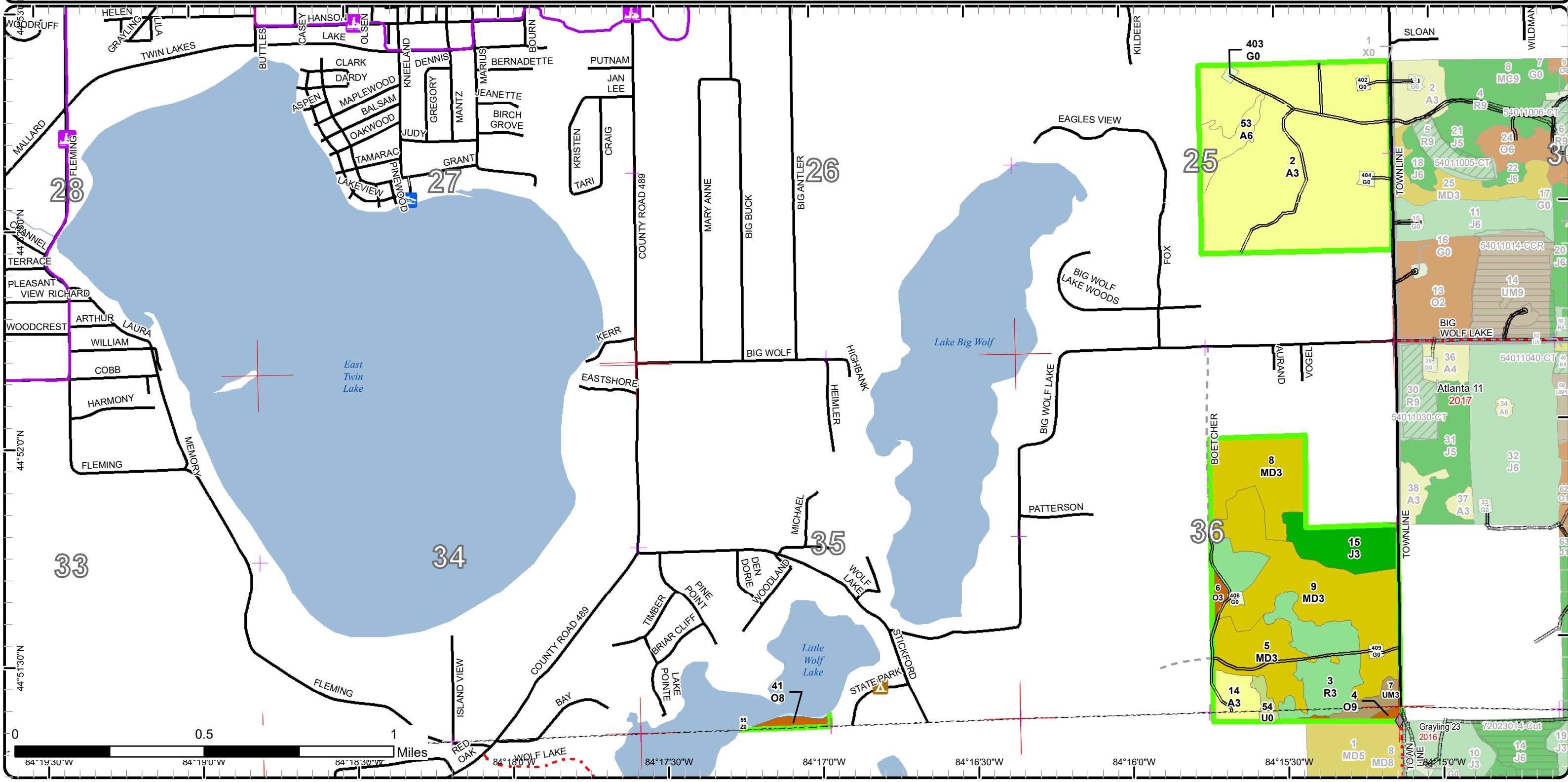


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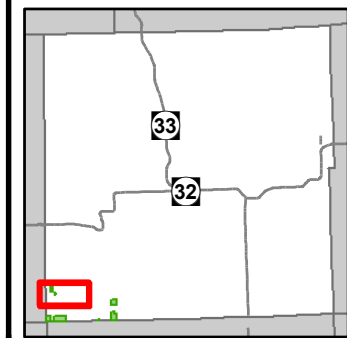


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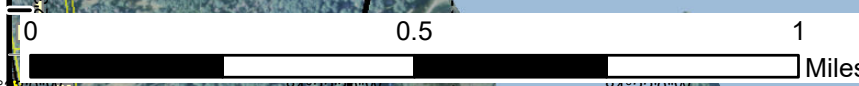
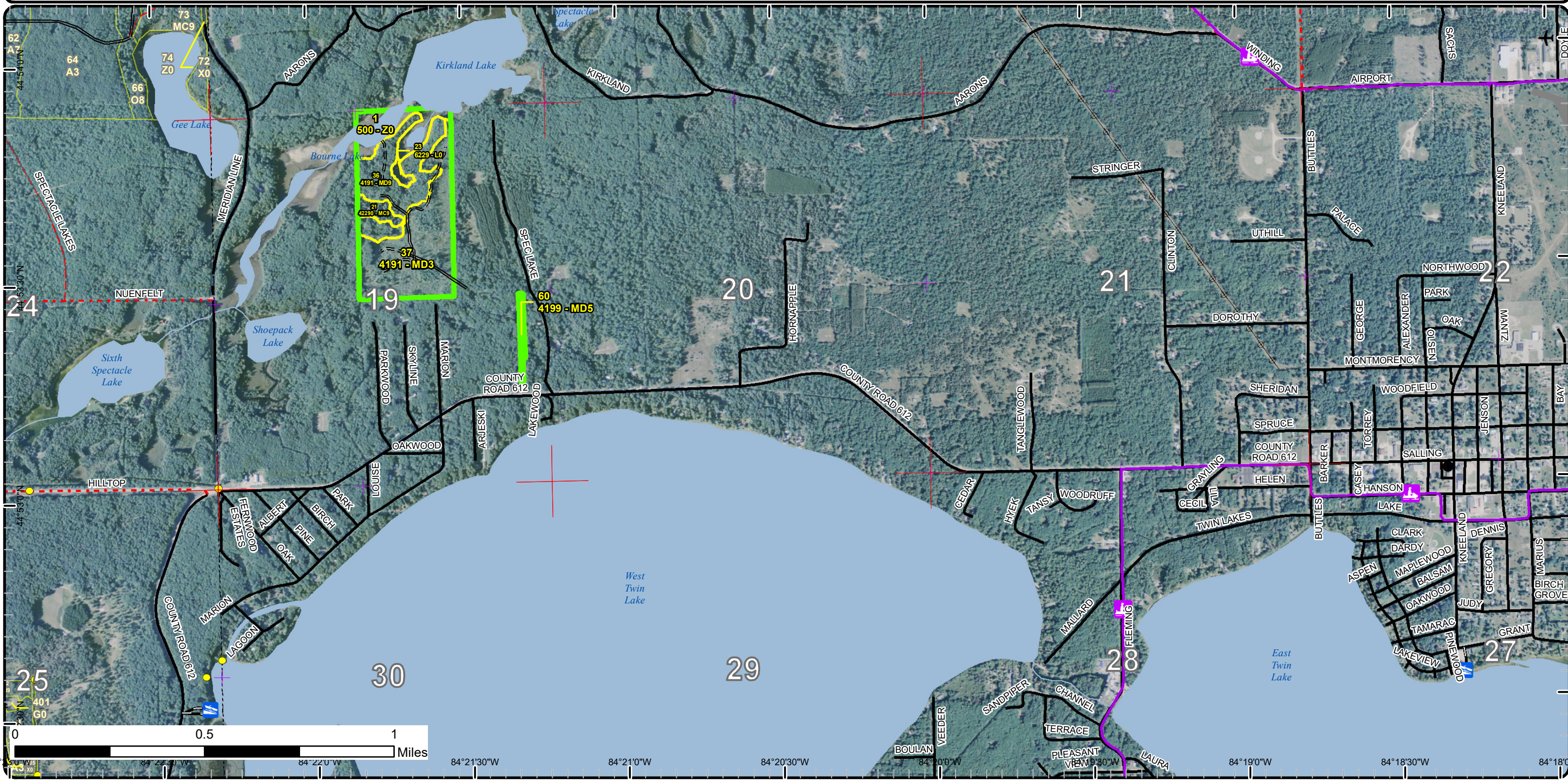


Stand Boundary Map

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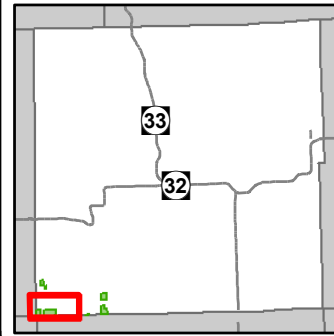
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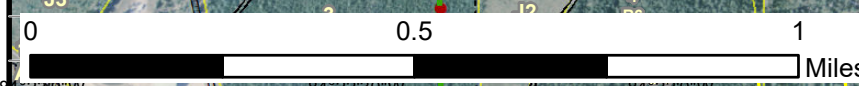
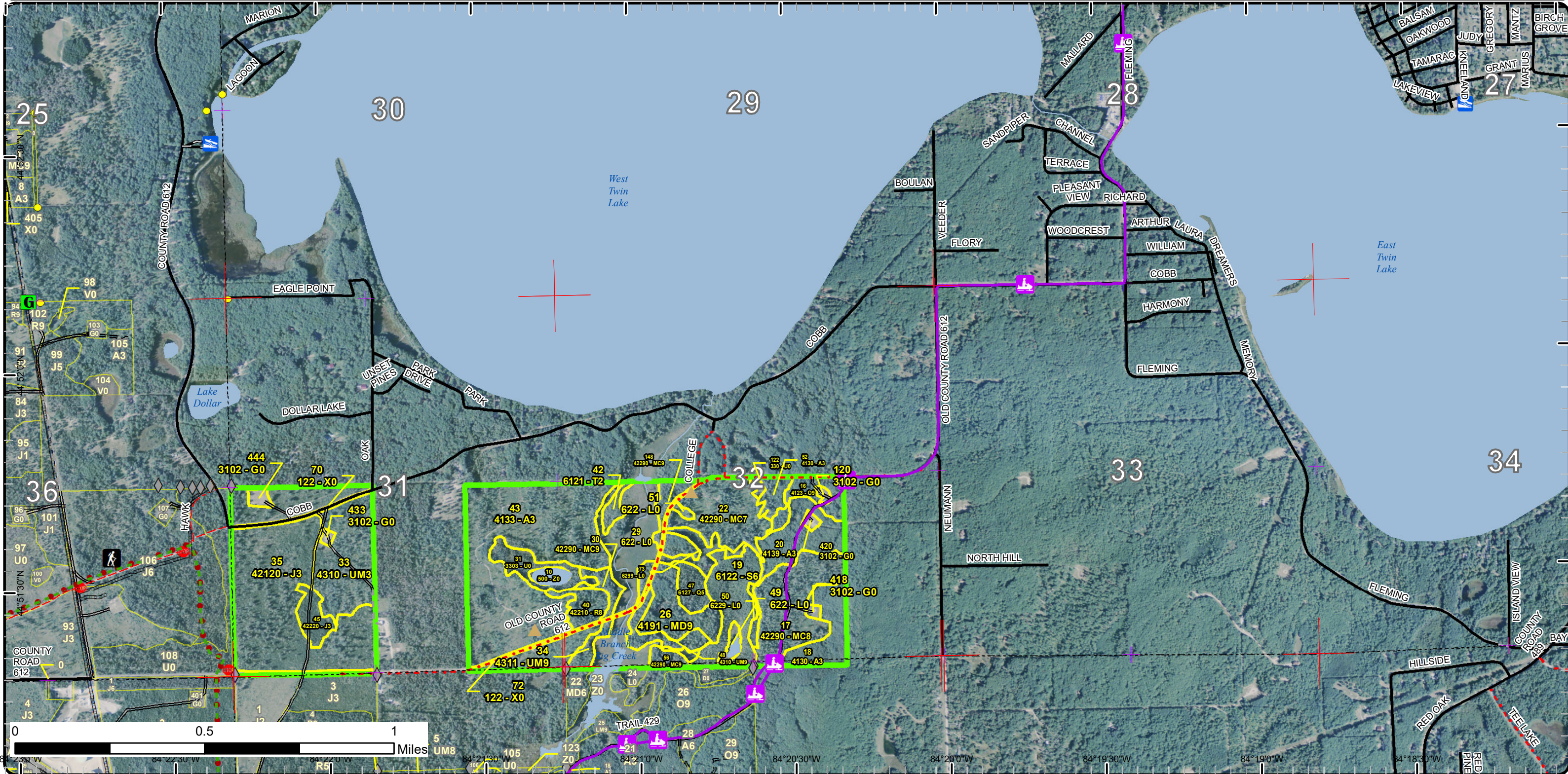
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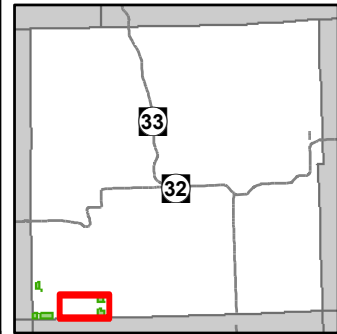


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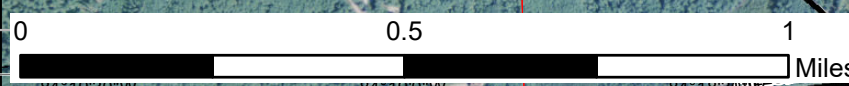
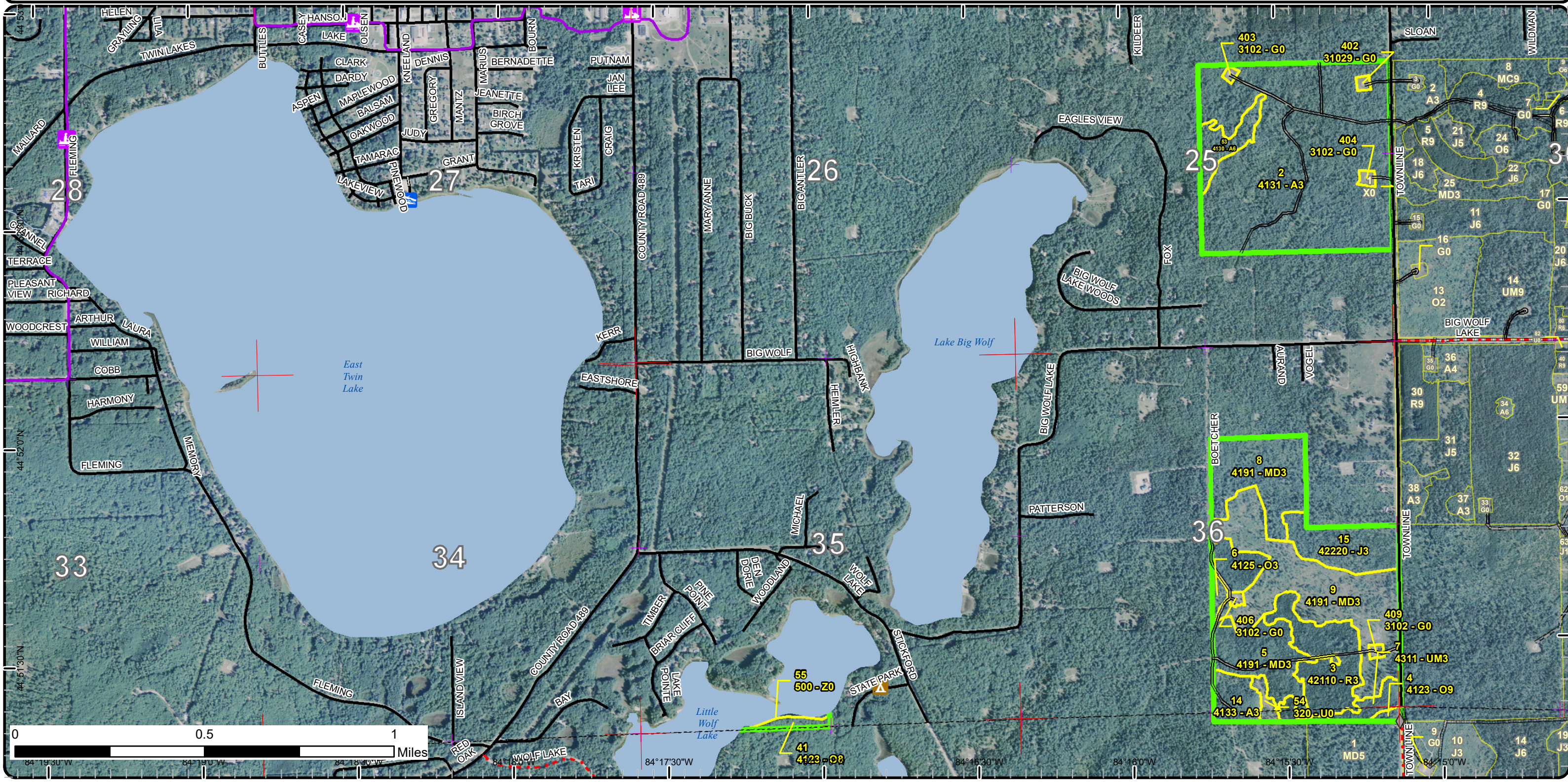
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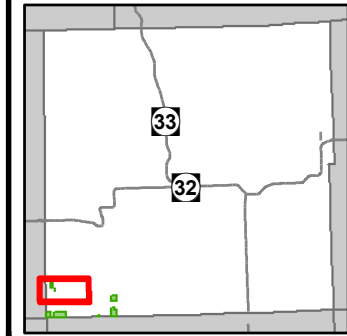
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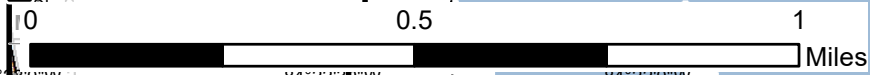
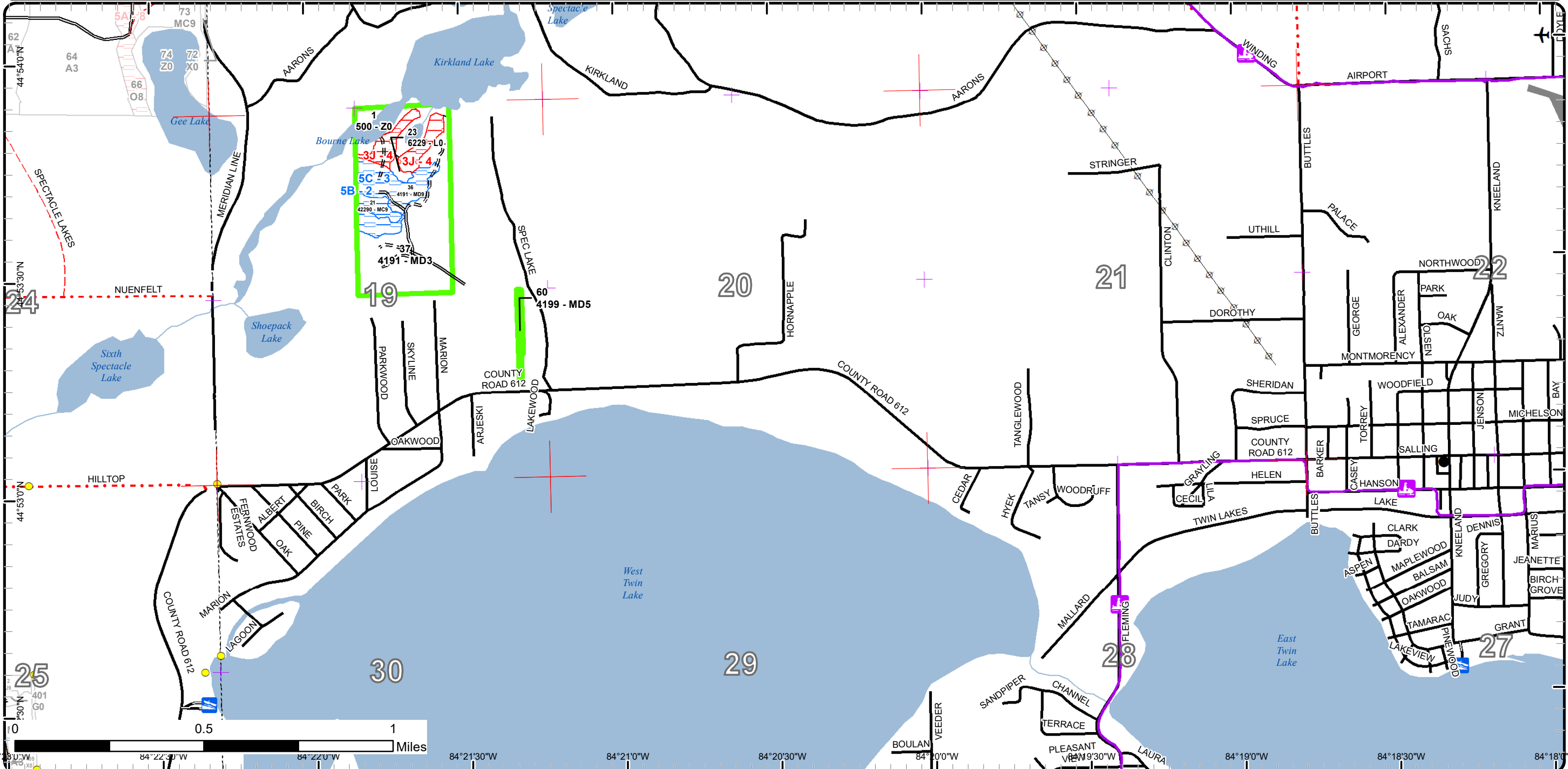
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Special Conservation Areas & Site Conditions Map

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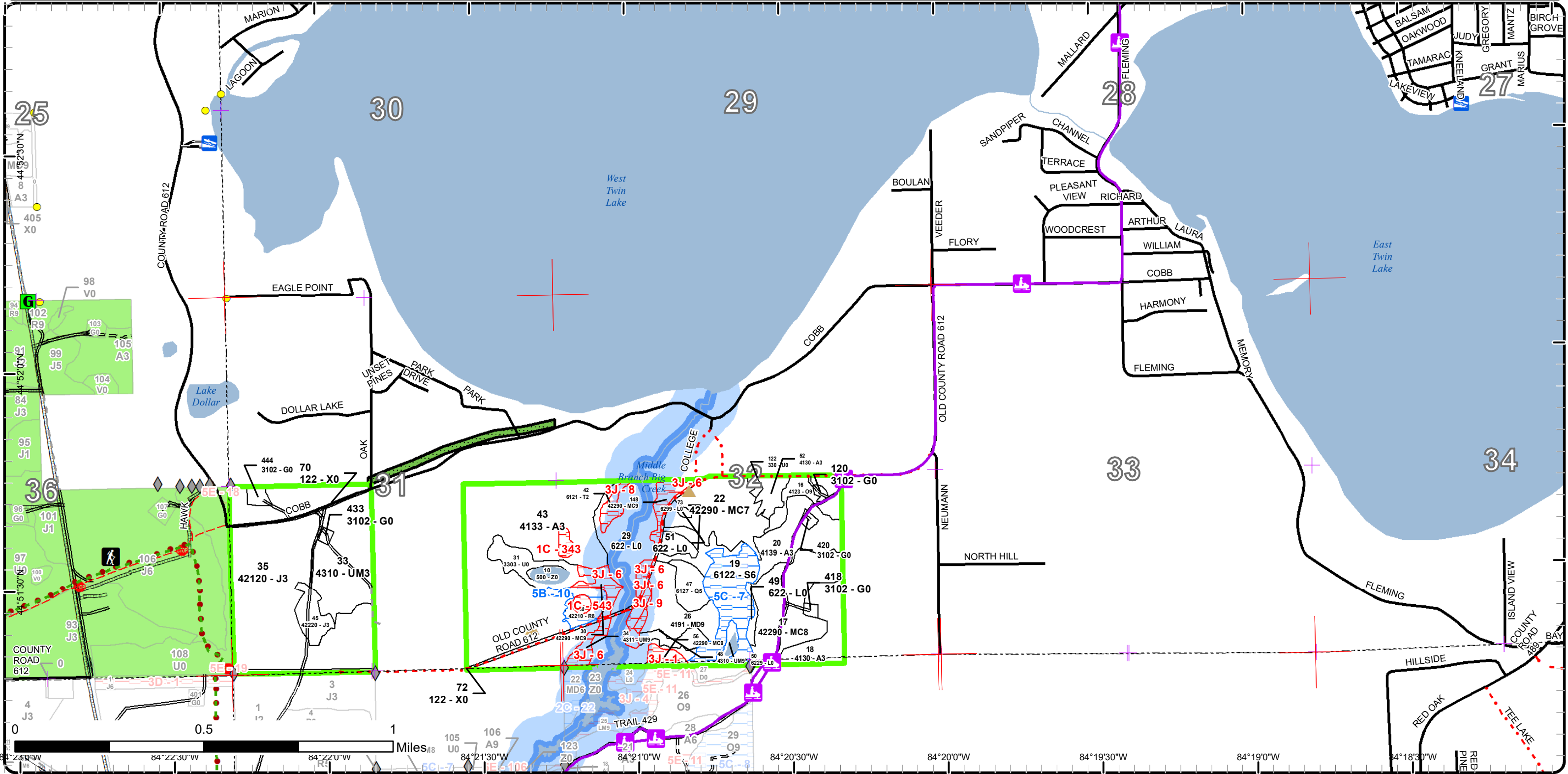
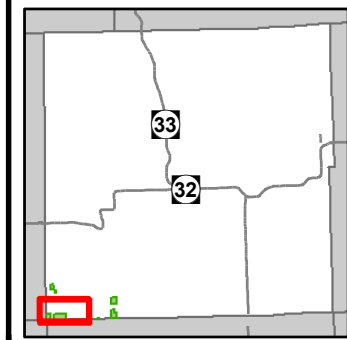
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries



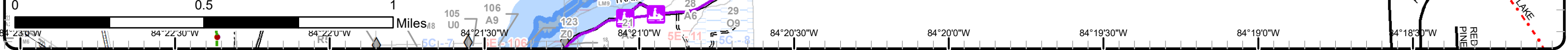
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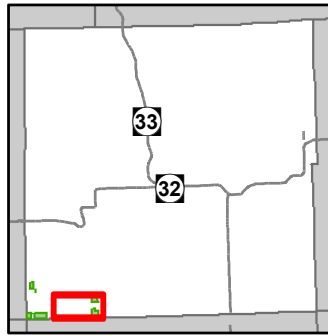


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- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Kirtland Warbler Habitat
- Cold Water Streams
- Rail-Trail Corridor

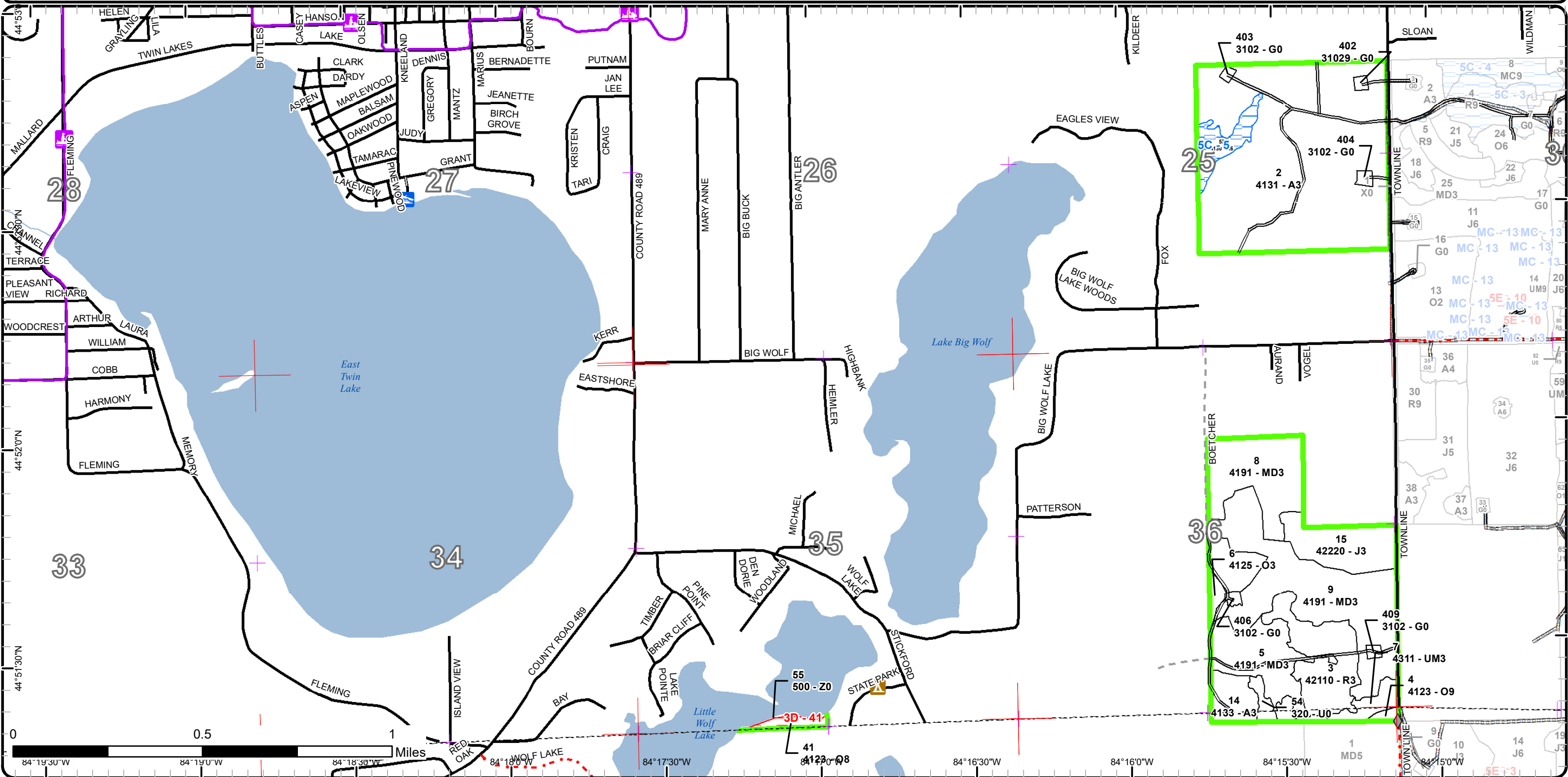


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- 3D: Recreational / Scenic values
- Stand Boundaries



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	89	0	181	10	10	0	0	0	0	0	0	0	0	0	0	0	0	290
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	0	100	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
Low-Density Trees	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	0	102	32	24	0	0	0	2	0	0	41	0	0	0	0	0	0	0	201
Natural Mixed Pines	0	0	0	0	0	0	22	0	28	4	6	3	0	0	3	0	0	0	66
Oak	0	2	0	0	0	0	0	0	0	11	3	0	0	0	0	0	0	0	16
Red Pine	0	0	0	37	0	0	0	0	0	7	0	0	0	0	0	0	0	0	44
Tamarack	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	0	28	6	0	0	3	0	0	0	7	0	0	0	0	0	0	0	43
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	92	193	160	254	10	10	25	2	34	43	60	3	0	0	3	0	0	0	888



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 3

Year of Entry: 2020

Acres of Harvest

Total Compartment Acres: 886

Commercial Harvest - 25
 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
Mixed Upland Deciduous	0	0	0	0	17	0	0	0	0	17
Oak	8	0	0	0	0	0	0	0	0	8
Total	8	0	0	0	17	0	0	0	0	25

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	25	0	0	0	0	0	0	0	0	25
Next Step	0	0	0	0	0	8	0	0	0	8
Total	25	0	0	0	0	8	0	0	0	34



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
16	54003016-Cut	8.4	4123 - Red Oak	Sawtimber Well	87	51-80	Harvest	Clearcut	4121 - Oak, Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut all species 2 inches and greater. Leave no retention due to small size of stand. Make sure to include specs for the snow trail within the stand.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked stand of mostly oak with a mix of aspen and maple.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

26	54003026-Cut	16.8	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	94	111- 140	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to 80 BA Managing for best tree in place.

Specs:

Next Step

Treatments:

Acceptable Oak types with a mix of white pine, red pine, aspen, and maple

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 25.2**

Report 4 – Site Conditions

Atlanta Mgt. Unit
Andrew Krugh : Examiner

Compartment: 3
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5B	5C	1C	3D	3J
290	278	10	2	Aspen		10	2		
9	9	0	0	Herbaceous Openland					
106	106	0	0	Jack Pine					
9	9	0	0	Low-Density Trees					
6	6	0	0	Lowland Conifers					
43	43	0	0	Lowland Shrub					
21	0	21	0	Lowland Spruce/Fir		21			
200	176	14	10	Mixed Upland Deciduous		14			10
66	50	3	13	Natural Mixed Pines	3				13
16	13	0	3	Oak				3	
44	37	5	1	Red Pine	5		1		0
3	0	0	3	Tamarack					3
43	37	0	6	Upland Mixed Forest					6
3	3	0	0	Upland Shrub					
8	8	0	0	Urban					
19	19	0	0	Water					
886	796	54	37	Total Forested Acres	9	45	3	3	31
	90%	6%	4%	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	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Andrew Krugh : Examiner

Compartment: 3
Year of Entry: 2020

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Andrew Krugh : Examiner

Compartment: 3
Year of Entry: 2020

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	3D: Recreational / Scenic values	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
343	Unavailable	1C: Other dept or div proc/practices	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
543	Unavailable	1C: Other dept or div proc/practices	1	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.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 3
Year of Entry: 2020

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4131 - Aspen, Oak	Sapling Well	148.2	25	Immature	POCKETS OF U THROUGHOUT. Scattered log trees of all species.
3	42110 - Planted Red Pine	Sapling Well	37.2	27	201+	
4	4123 - Red Oak	Sawtimber Well	2.2	81	81-110	
5	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	24.2	27	201+	CUT 1991. STAND WAS PLANTED TO RED PINE, WHICH IS OVERTOPPED BY A3/O2. GOOD LOOKING ASPEN REGEN. Manage long term for red pine.
6	4125 - Black, N. Pin Oak	Sapling Well	2.3	6	Immature	
7	4311 - Pine, Aspen Mix	Sapling Well	6.0	27	201+	CUT 1991. STAND WAS PLANTED TO RED PINE, WHICH IS OVERTOPPED BY A3/O2. GOOD LOOKING ASPEN REGEN. Manage long term for red pine.
8	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	31.7	19	Immature	SOME OAK REGENERATION RUNS 8 TO 10 FEET TALL. TORNADO SALVAGE CUT COMPLETED 1999, SALE 027-99
9	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	62.8	6	Immature	
14	4133 - Aspen, Mixed Pine	Sapling Well	9.5	35	141-170	OI Stand Year Origin was 1983
15	42220 - Natural Jack Pine	Sapling Well	20.7	19	Immature	TORNADO SALVAGE CUT DONE IN 1999, SALE 027-99. Natural J3 with snags and scattered oak.
16	4123 - Red Oak	Sawtimber Well	8.4	87	51-80	Cut 2 patches totaling 3 acres in 2001. One patch was in stand 120, transferred to this stand. May be best to retain this stand due to drainages along old railroad grade and snowmobile trail parking lot.
17	42290 - Natural Mixed Pine	Sawtimber Medium	28.0	76	1-50	OPIC - FMD: WHITE PINE STUMP FIELD. OAK IS POOR QUALITY, BUT HIGHER DENSITY THAN OTHER STANDS. MANAGE FOR MIXED OAK/ WHITE PINE. HEAVY WP REPRO IN SOME PLACES. PROTECT WHITE PINE REGENERATION. 6 acres in 4 patches cut 2001. Stay off of slope along west edge. Protect WP and oak regeneration by shortwooding, which otherwise would set stand back 10-15 years. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole. Do not cut red pine, white pine, hemlock or white-cedar, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Watch for potential for archeological features during intrusive activities. Consider aesthetics along old CR-612 and Townline Road when leaving retention. Cut 2012 sale 54-016-10-01.
18	4130 - Aspen	Sapling Well	13.2	27	201+	CUT 1991. A NICE A3/O1.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	6122 - Black Spruce	Poletimber Well	20.6	83	81-110	
20	4139 - Aspen, Mixed Deciduous	Sapling Well	15.7	27	Immature	CUT 1991
21	42290 - Natural Mixed Pine	Sawtimber Well	3.4	105	141-170	Leave for seed source for neighboring stands
22	42290 - Natural Mixed Pine	Sawtimber Poor	22.2	59	1-50	Cut 2012 Sale 54-016-10-01.
26	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	17.6	94	111-140	AN INTERMITTENT DRAINAGE SEPARATES THE OAK HILL (ON THE NORTH) FROM THE LARGER AREA. white Pine regeneration is full in Some areas and trace in others.
30	42290 - Natural Mixed Pine	Sawtimber Well	4.1	88	111-140	Aspen Almost Dead. ALLOW ASPEN TO DIE AND CONVERT TO PINE/OAK. Contains a broad shallow drainage connecting stands 29 and 31. SCA. Natural River zoning district on Big Creek, a tributary of the Au Sable.
33	4310 - Pine, Oak Mix	Sapling Well	27.5	15	Immature	Cut 2003. There are scattered large oak throughout the stand, almost to where it could be a two aged stand.
34	4311 - Pine, Aspen Mix	Sawtimber Well	3.4	51	111-140	
35	42120 - Planted Jack Pine	Sapling Well	79.0	15	Immature	Cut all but red pine and oak , 2001. Jack Pine planted 2003.
36	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	23.1	94	81-110	OPIC - FMD: A SCENIC STAND. MIXED WHITE PINE AND OAK. SEVERE SLOPES. ONE ERODING TWO-TRACK LEADS DOWN SLOPE TO A Rustic LANDING ON SPECTACLE LAKES. THIS POPULAR STAND LOOKS "OVERBROWSED." THE ACCESS ROAD SHOULD BE STABILIZED.
37	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	39.3	7	Immature	Cut 2011 Sale 54-013-10-01.
40	42210 - Natural Red Pine	Sawtimber Medium	6.7	83	51-80	
41	4123 - Red Oak	Sawtimber Medium	3.2	97	51-80	LITTLE WOLF LAKE STATE FOREST CAMPGROUND. UNDERSTORY APPEARS OVERGRAZED, AS IF BY CATTLE OR CAMPERS.
42	6121 - Tamarack	Sapling Medium	2.6	91	51-80	Stagnate Tamarack stand
43	4133 - Aspen, Mixed Pine	Sapling Well	88.8	6	Immature	
45	42220 - Natural Jack Pine	Sapling Well	6.2	26	201+	NORTH SIDE OF stand HAS CONCRETE FOOTING (FOR FARMSTEAD ?)

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 3
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	6127 - Lowland Pine	Poletimber Medium	5.9	74	1-50	
48	4310 - Pine, Oak Mix	Sawtimber Well	6.5	90	111-140	
52	4130 - Aspen	Sapling Well	4.3	25	Immature	
53	4130 - Aspen	Poletimber Well	9.7	49	81-110	
56	42290 - Natural Mixed Pine	Sawtimber Well	2.9	135	81-110	
60	4199 - Other Mixed Upland Deciduous	Poletimber Medium	1.7	68	111-140	Easement access
148	42290 - Natural Mixed Pine	Sawtimber Well	5.8	90	81-110	



Stand	Cover Type	Acres	Managed Site	General Comments:
1	500 - Water	12.5	No	
10	500 - Water	2.4	No	
23	6229 - Mixed lowland shrub	1.2	No	
29	622 - Lowland Shrub	31.6	No	
31	3303 - Mixed Low Density Trees	8.7	No	Treed bog
49	622 - Lowland Shrub	1.5	No	Full of tag alder
50	6229 - Mixed lowland shrub	2.1	No	OPIC - FMD: OI Stand Year Origin was
51	622 - Lowland Shrub	0.8	No	
54	320 - Upland Shrub	2.9	No	OPIC - FMD: Frost pocket.
55	500 - Water	4.3	No	
70	122 - Road/Parking Lot	1.8	No	OPIC - FMD: Cobb Rd.
72	122 - Road/Parking Lot	6.2	No	Old 612.
73	6299 - Lowland Shrub (OI)	5.8	No	Data migration error, Maki updated. OPIC - FMD: OI Stand Year Origin was
120	3102 - Grass	0.8	No	OPIC - FMD: PARKING LOT FOR SNOWMOBILE TRAIL
122	330 - Low-Density Trees	0.8	No	OPIC - FMD: OI Stand Year Origin was
402	31029 - Grass (OI)	0.8	No	OPIC - FMD: GAS WELL PAD IN STAND 2.
403	3102 - Grass	0.7	No	OPIC - FMD: GAS WELL PAD IN STAND 2.
404	3102 - Grass	1.0	No	OPIC - FMD: GAS WELL PAD IN STAND 2



Stand	Cover Type	Acres	Managed Site	General Comments:
406	3102 - Grass	0.9	No	OPIC - FMD: GAS WELL PAD.
409	3102 - Grass	0.8	Yes	: GAS WELL PAD IN STAND 409.
418	3102 - Grass	0.8	No	OPIC - FMD: GAS WELL PAD IN STAND 18.
420	3102 - Grass	0.9	No	OPIC - FMD: GAS WELL PAD IN STAND 20.
433	3102 - Grass	0.7	No	GAS WELL PAD IN STAND 33.
444	3102 - Grass	1.6	No	GAS WELL PAD IN STAND 44.