



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54075

Entry Year 2017

Acreage: 1,001

County Montmorency

Management Area: Thunder Bay Outwash

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**Revision Date:** 2015-08-04

**Stand Examiner:** Andrew Krugh

**Legal Description:**

T-32-N, R-03-E, Sections 25, 26, 35 and 36

**Identified Planning Goals:**

To maintain a balanced age class in timber while enhancing game and non-game wildlife habitat and to provide forest-based recreational uses.

**Soil and topography:**

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale and Traverse Limestone. The Antrim is quarried for cement products and the Traverse for limestone elsewhere in the state. A gravel pit is located in Section 24 and potential is good. The compartment has no wells drilled near it. This area has very limited potential for the Antrim Shale. There are no oil and gas leases in the compartment.

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

This compartment is typical for an area with an inland lake in Northern Michigan, the private lands are mostly developed with both seasonal and permanent residences. Grass Lake Resort is on the north east end of the lake. There is Illegal O.R.V. operation is quite common off Kaverly Trail.

**Unique Natural Features:**

There is known bald eagle and loon nesting sites in and around Grass lake.

**Archeological, Historical, and Cultural Features:**

Two sites are located within this compartment, 20MY39 and 20MY41. 20MY39 is a significant prehistoric site located within Stand 20. While no treatment is currently proposed here, any future treatments should be reviewed by our office first. 20MY41 is a prehistoric scatter on the shoreline of the lake that may extend into stand 66. As no treatments are proposed for this stand, we have no concerns.

**Special Management Designations or Considerations:**

Grass lake is know to have loon and bald eagle nesting sites around the lake.

**Watershed and Fisheries Considerations:**

- \*Keep in mind the recently stated concerns of anglers in regards to accessing the north side of Grass Lake at the two track ending in section 26 (I think in 26). This is used by a number of anglers with car top boats, small boat trailers, and winter access. Please have the road protected against damages from logging operations, especially the last 200 feet to the lake.
- \* Stand 88 is a "single tree or selective cut" on the south shore of Grass Lake. I remember the spot having set fyke nets at this location and seining the shoreline along the oak flat. This also was a shoreline where panfish were spawning. Cutting can be accomplished in the riparian zone but no erosion to the lake should occur (doesn't that go without saying), and some reasonable no cut buffer at the waters edge should be maintained for stability purposes, and aesthetics.
- \* The last statement should also apply for Stand 36

**Wildlife Habitat Considerations:**

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species found in this compartment. These species include common loon, bald eagle, ruffed grouse, black bear, and white-tailed deer. Based on the selected featured species, some of the most significant wildlife management issues in the management area are protection of sensitive nesting areas, the maintenance of young forest, the retention of large, over-mature trees and snags and the maintenance and expansion of hard mast and mesic conifer components.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale and Traverse Formation. The Antrim is quarried for cement products and the Traverse for limestone. A gravel pit is located in Section 24

and potential is good. The Compartment has no wells drilled near it. This area has very limited potential for the Antrim Shale. There are no oil and gas leases in the

**Vehicle Access:**

Access into the compartment, in the north, off Co. Rd. 628, in the south, off Co. Rd. 624.

**Survey Needs:**

Four survey corners are needed in section 25 and 1 corner in section 26.

**Recreational Facilities and Opportunities:**

A public access site is located on the south side of Grass Lake at the end of Grass Lake Rd. Sorensen's Resort is a private campground on the north side of Grass Lake. Area is used extensively for fishing and hunting.

**Fire Protection:**

This compartment is located in the protection area of the Atlanta DNR and the Hillman Fire Department. Hillman Fire department would most likely be first on scene of any fire in the area due to their close proximity to the area. The Atlanta DNR has mutual aid agreements with Hillman Fire Department and also supplies them with GSA 6x6 fire unit. This area has a lower potential of major fire growth.

Several fires have occurred in the general area

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

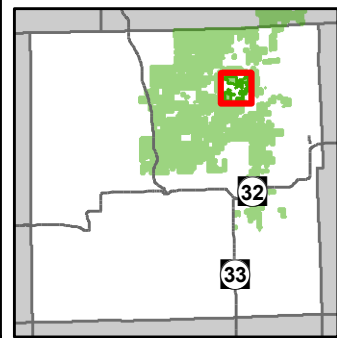
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

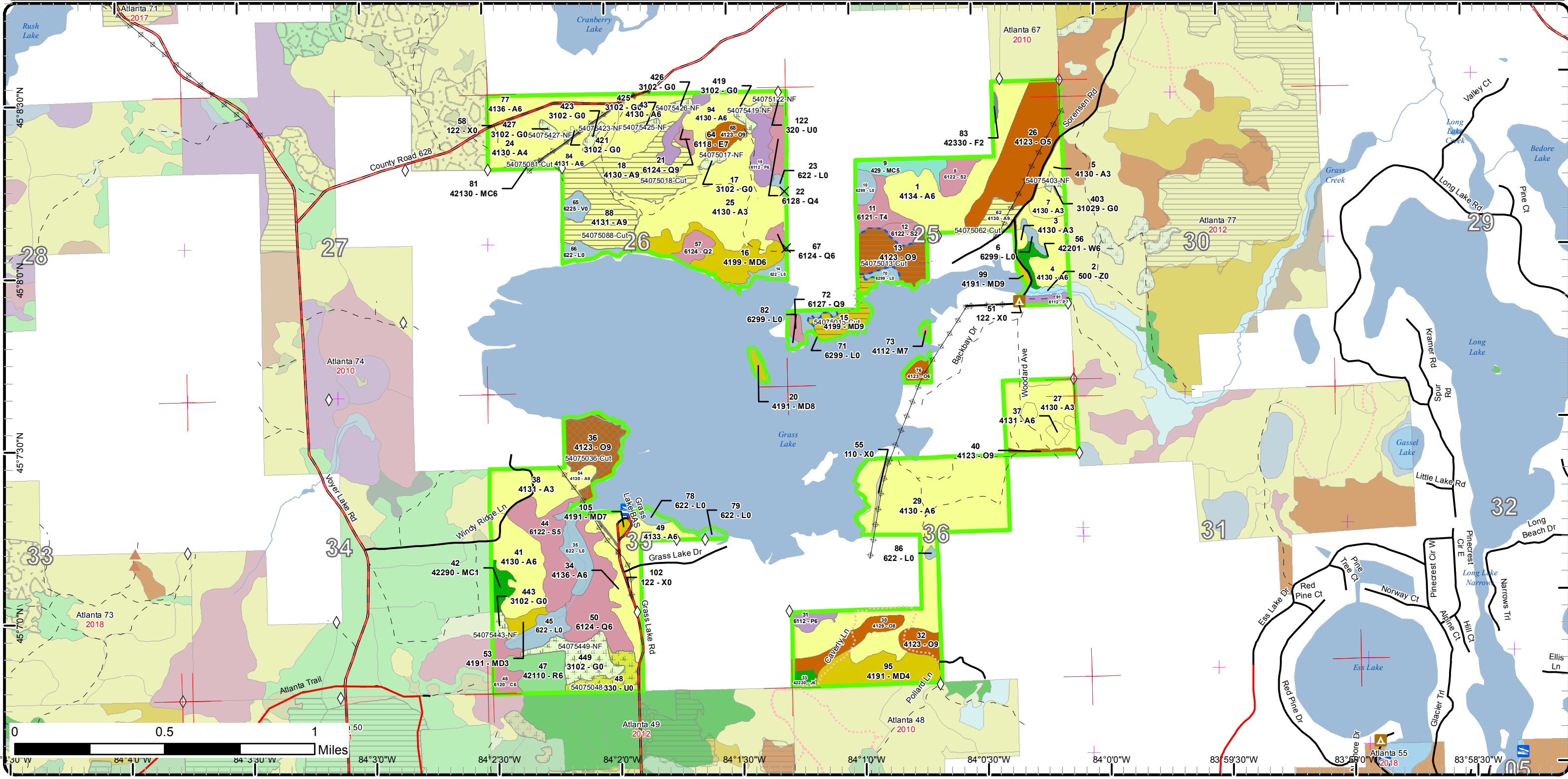
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 75  
 T32N, R03E. Sec: 25, 26, 35, 36  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Thunder Bay Outwash  
 YOE: 2017  
 Acres: 1001 GIS Calculated  
 Examiner: Andrew Krugh  
 Map Revised: 9/21/2015  
 Map Phase: Post Review



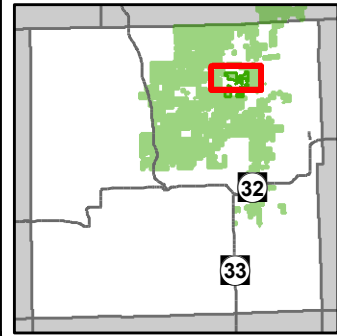
- ✚ Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ✕ Gate
- △ Berms
- ⚓ Boating Access Site
- ⚓ Campground
- 🚣 Fishing Access Site
- Designated ATV Trails
- Rivers
- Lakes
- ⚡ Powerline
- ▭ Treatments with Site Conditions
- ▭ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- ▭ Other Treatment - See Comments
- Forest Covertype
  - 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
- Non-Forest Covertype
  - 110 - Low Intensity Urban
  - 122 - Roads/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 330 - Low Density Trees
  - 500 - Water
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub



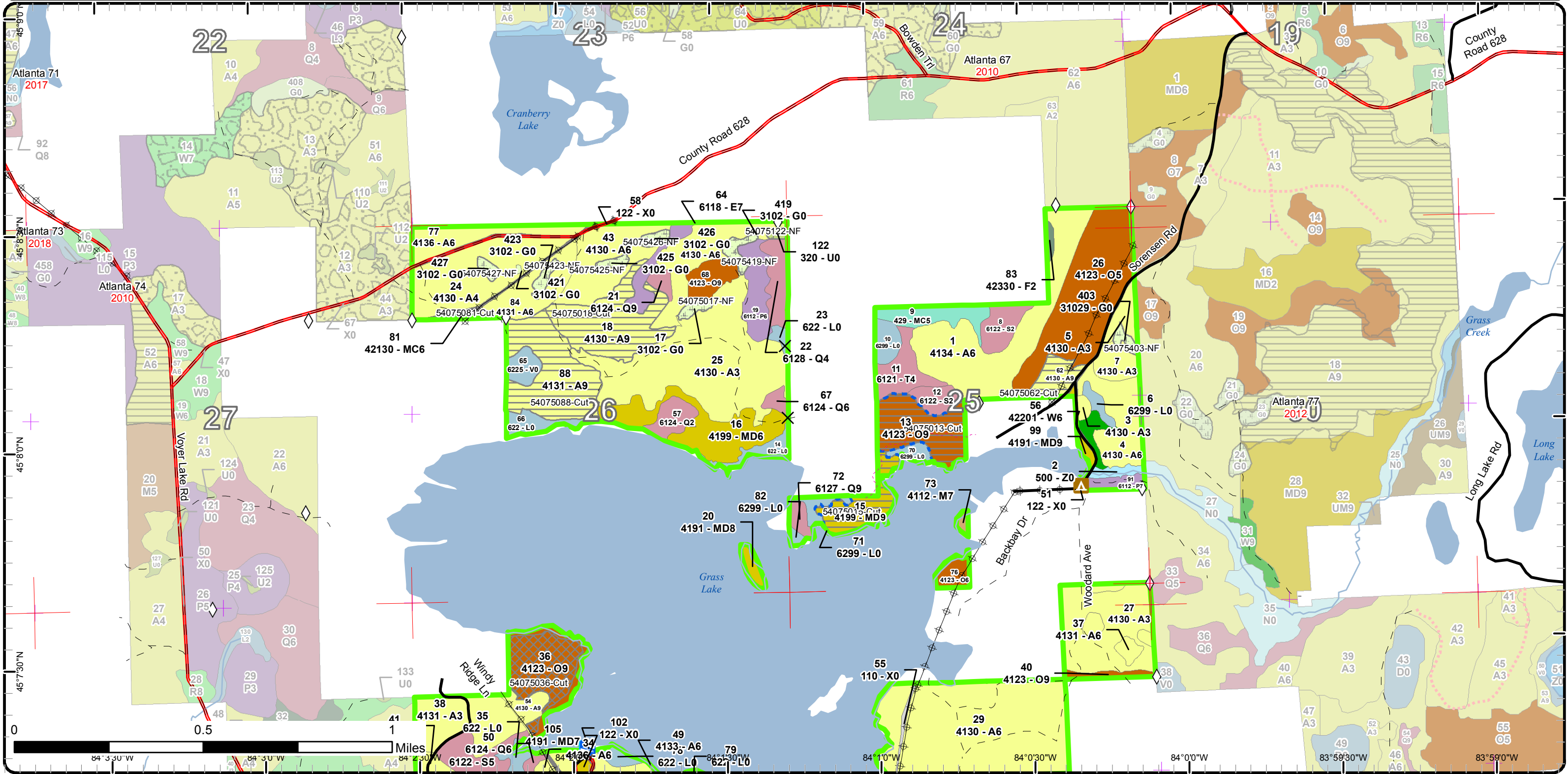
0 0.5 1 1.50 Miles  
 84°30'W 84°4'W 84°33'W 84°30'W 84°23'W 84°20'W 84°13'W 84°10'W 84°03'W 84°00'W 83°59'30"W 83°59'0"W 83°58'30"W

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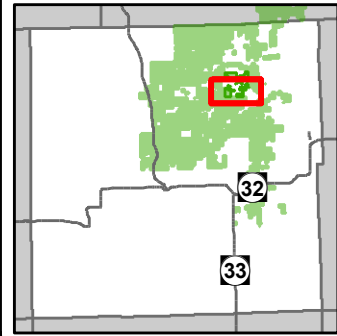


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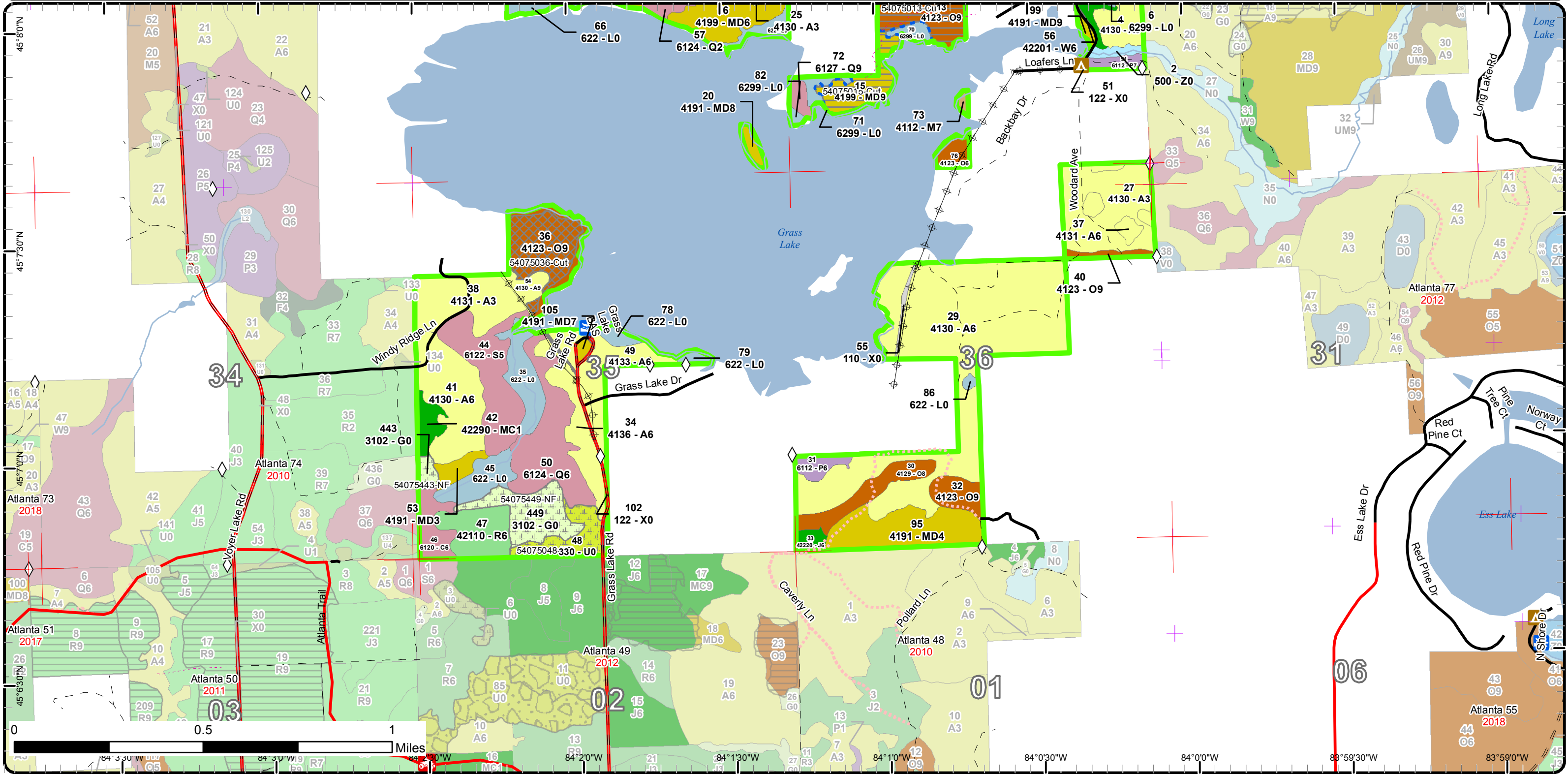


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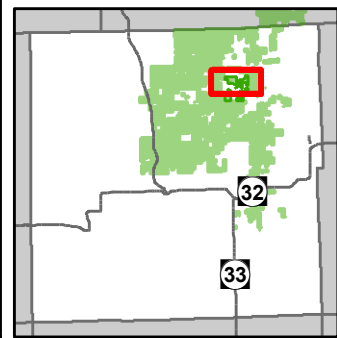
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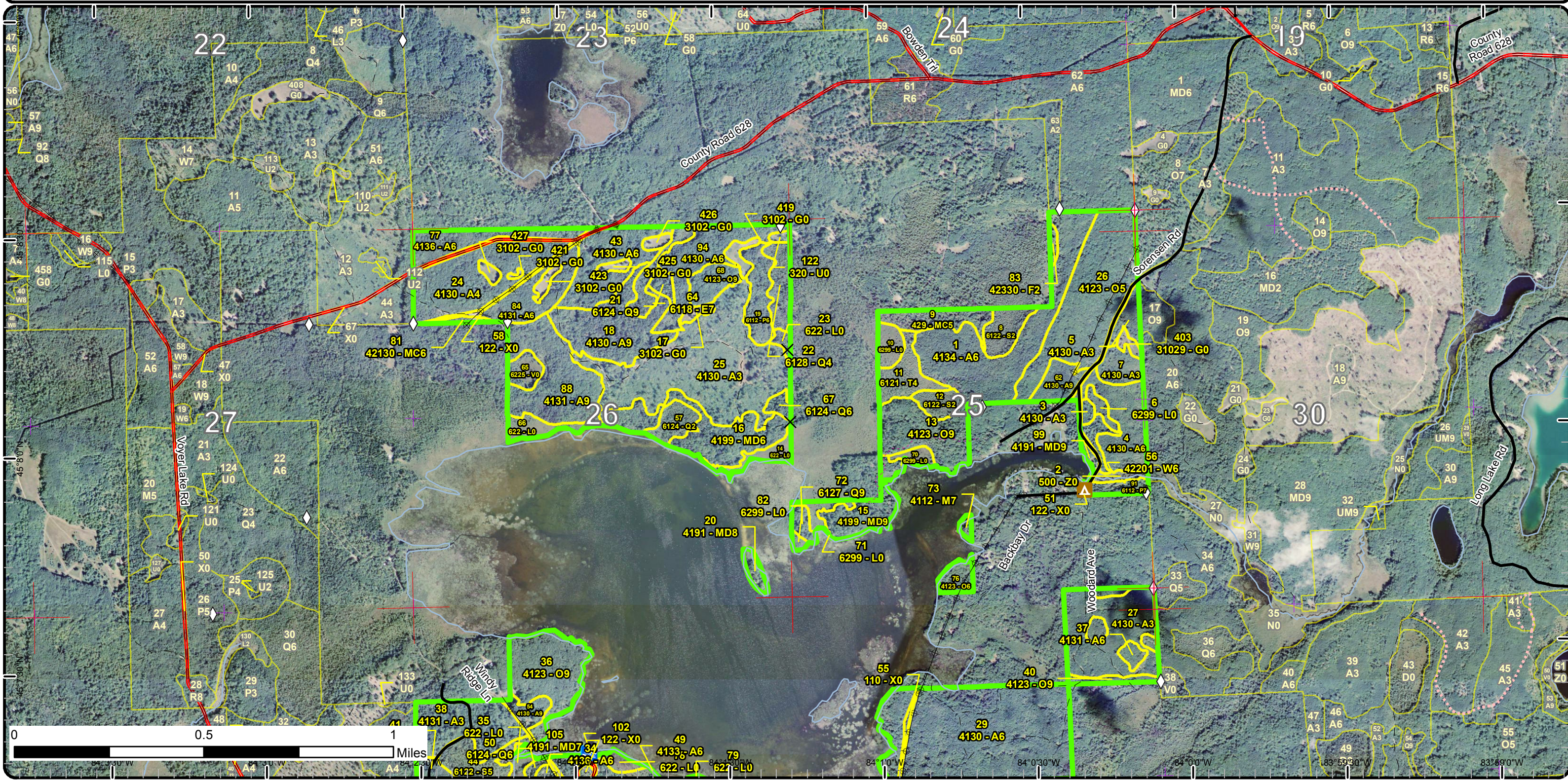


# Stand Boundary Map



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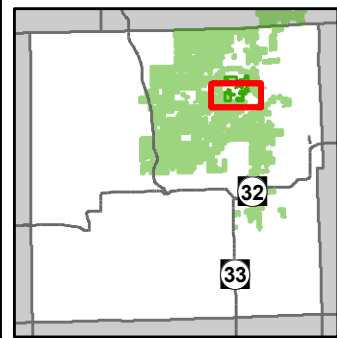
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0 0.5 1 Miles

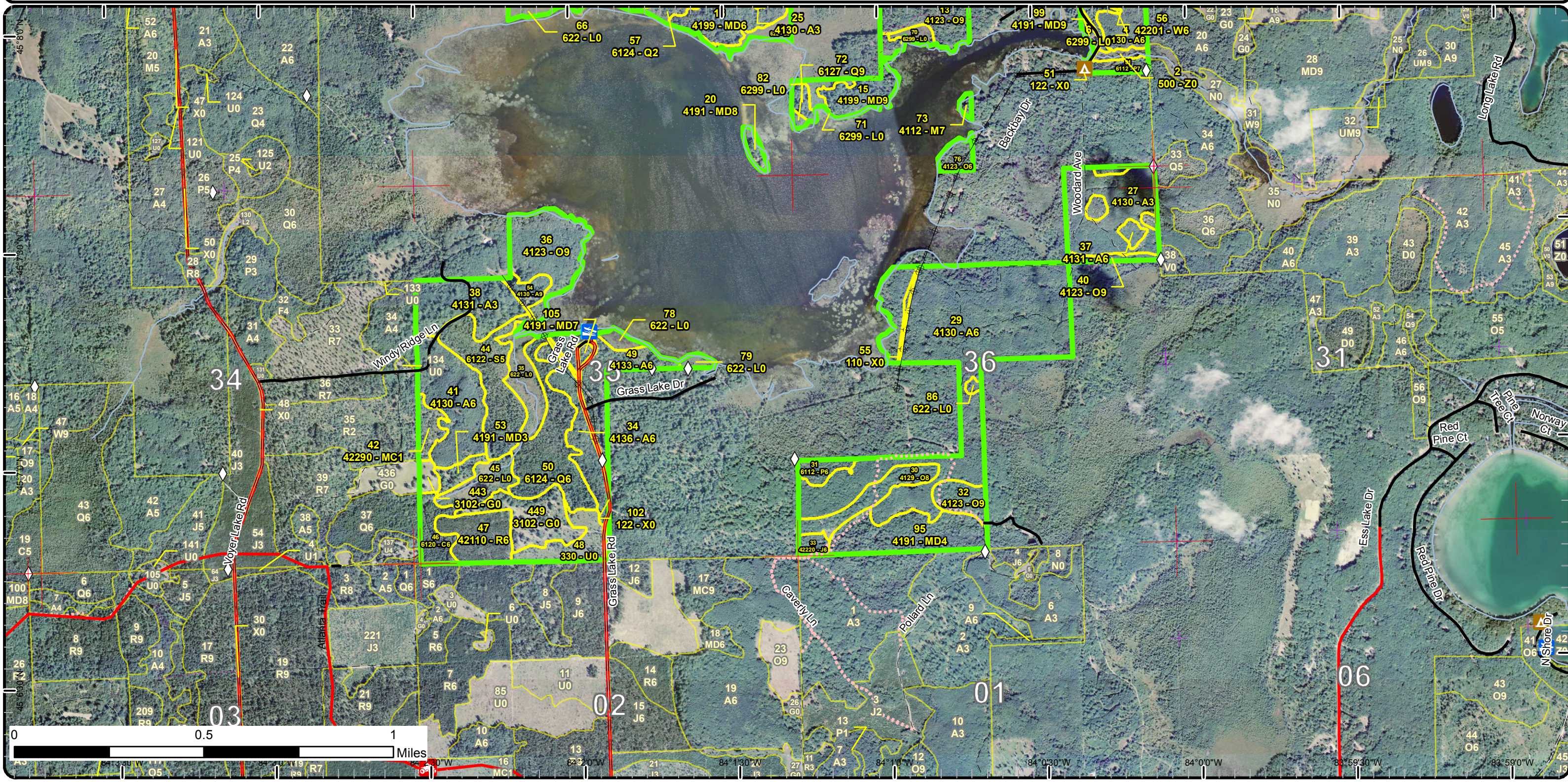
84° 30' W 84° 20' W 84° 10' W 84° 0' W 83° 50' W 83° 40' W

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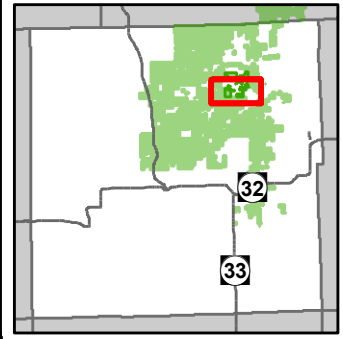




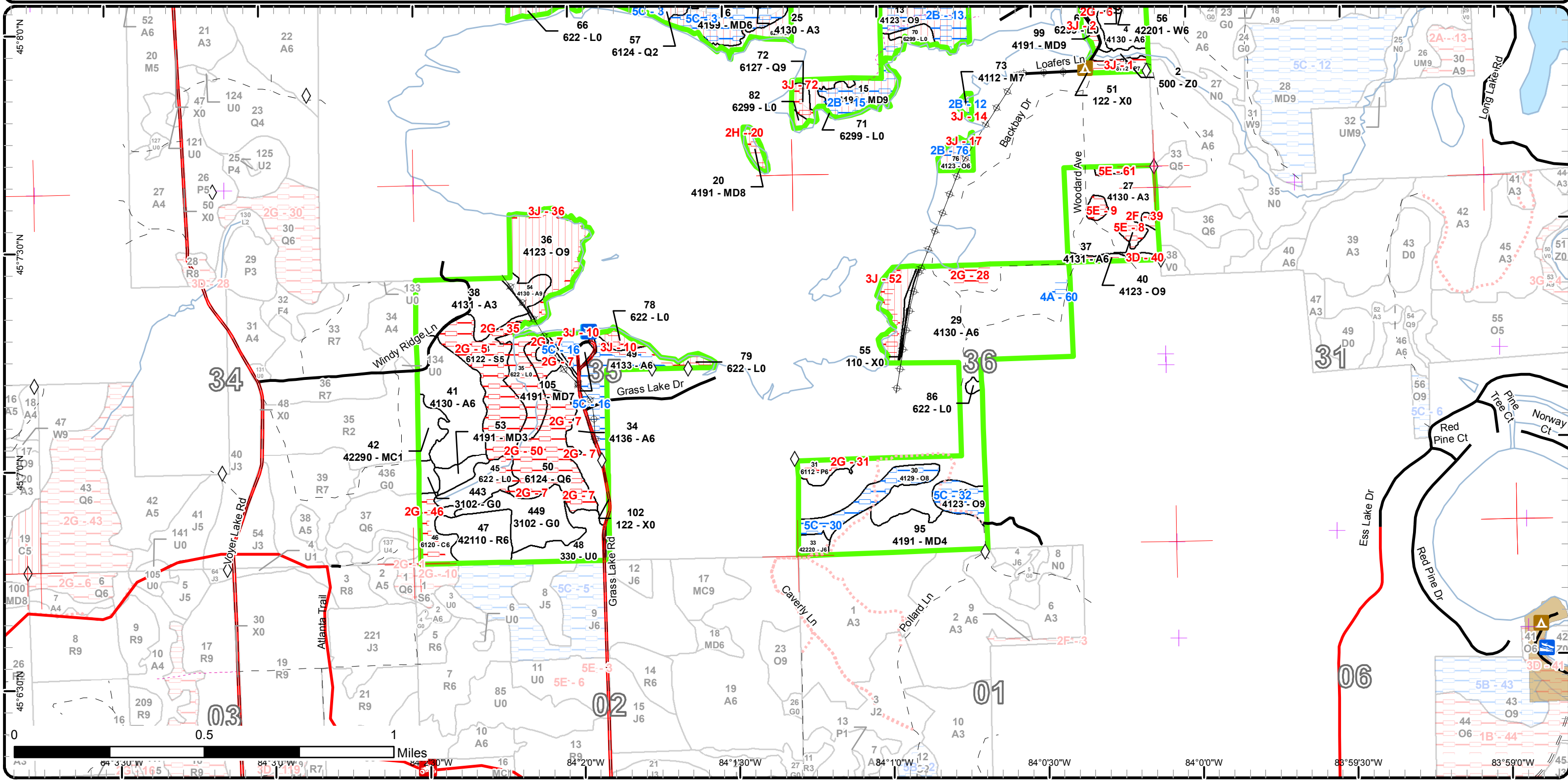


# Special Conservation Areas & Site Conditions Map

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- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints**
- 2B: Unknown if access through adjacent landowner(s) is possible
- 4A: No Markets Available for these Forest Products
- Unavailable Factors**
- 2F: Too steep
- 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)
- 5E: Long-Term Retention
- Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- State Forest Campground



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	65	62	46	192	57	75	4	13	19	0	0	0	0	0	0	0	0	533
Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Cedar	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Jack Pine	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Aspen/Balsam Poplar	0	0	0	0	14	4	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	0	0	0	0	14	2	2	27	0	0	0	0	0	0	0	3	48
Lowland Deciduous	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Lowland Spruce/Fir	0	0	0	0	0	0	0	5	7	25	0	0	0	0	0	0	0	0	37
Mixed Upland Deciduous	0	0	0	4	24	1	0	0	26	0	0	12	3	0	0	0	0	0	70
Natural Mixed Pines	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Oak	0	0	0	0	0	0	0	59	10	7	0	24	0	0	0	0	0	20	120
Planted Mixed Pines	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Red Pine	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14
Tamarack	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Upland Conifers	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	9
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Spruce/Fir	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Urban	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>113</b>	<b>65</b>	<b>62</b>	<b>55</b>	<b>231</b>	<b>68</b>	<b>112</b>	<b>75</b>	<b>61</b>	<b>78</b>	<b>8</b>	<b>45</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>999</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 75

Year of Entry: 2017

Acres of Harvest

Total Compartment Acres: 1,001

Commercial Harvest - 115  
 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	63	0	0	0	0	0	0	0	0	63
Mixed Upland Deciduous	12	0	0	0	0	0	0	0	0	12
Oak	20	19	0	0	0	0	0	0	0	39
Planted Mixed Pines	1	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>96</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>115</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	115	0	0	0	0	0	0	43	0	158
Next Step	0	0	0	0	0	126	0	0	0	126
<b>Total</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>126</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>284</b>



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
13	54075013-Cut	20.2	4123 - Red Oak	Sawtimber Well	89	111- 140	Harvest	Clearcut with Retention	4121 - Oak, Aspen	Even-Aged	Draft Field Boundary

**Habitat Cut: No**      **Site Condition: Unknown Access**

Prescription Remove all species over 2 inches in DBH, leaving retention pockets around well establish white pine regeneration.

Specs:

Next Step

Treatments:

Acceptable A mix of aspen, oak, fir, birch, white and red pine.

Regen:

Other Logger must get permission from adjacent land owner prior to bidding on sale. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

15	54075015-Cut	12.0	4199 - Other Mixed Upland Deciduous	Sawtimber Well	107	111- 140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No**      **Site Condition: Unknown Access**

Prescription Remove all species of trees 2 inches and grater in DBH, leaving scattered oak and pine. Put retention on west end of the stand 660 feet from the

Specs: eagles nest and 100 feet from lake edge.

Next Step

Treatments:

Acceptable A mix of aspen, birch, oak, maple, red and white pine.

Regen:

Other Logger must get permission from adjacent land owner prior to bidding on sale. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

17	54075017-NF	1.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No**      **Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

18	54075018-Cut	26.4	4130 - Aspen	Sawtimber Well	53	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No**      **Site Condition:**

Prescription Remove all species of trees over 2 inches leaving some extra log size white and red pine scattered where possible. Within 100 feet or at least

Specs: one tree length of vernal pools, do not harvest. Also fallow ruffed grouse specs.

Next Step

Treatments:

Acceptable A mix of aspen, maple, fir, red and white pine.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
36	54075036-Cut	18.9	4123 - Red Oak	Sawtimber Well	104	111-140	Harvest	Single Tree Selection	4121 - Oak, Aspen	Two-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Thin the stand down to 80 BA leaving 1 150-200 ft gap every 3 to 5 acres. target already lower BA areas for gaps. Within 100 ft of the lake leave a minimum of 70 BA and no gaps within that area.

Next Step

Treatments:

Acceptable A moderate to well stocked mix of consisting mainly of oak with pine, maple, and aspen.

Regen:

Other Fisheries division comments - Stand 36 is a "single tree or selective cut" Cutting can be accomplished in the riparian zone but no erosion to the lake should occur (doesn't that go without saying), and some reasonable no cut buffer at the waters edge should be maintained for stability purposes, and aesthetics. Old next step comments:

Proposed Start Date: 10/1 /2016

48	54075048-NF	10.9	330 - Low-Density Trees	Nonstocked	0	Unspecified	NonForestMgt	Fruit Tree/Shrub Planting	320 - Upland Shrub		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant fruit and mast trees and shrubs to enhance wildlife values

Specs:Next Step

Treatments:

Acceptable This treatment is to enhance wildlife values in this U type. An eventual forested stand with fruit and mast in the understory is acceptable.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

62	54075062-Cut	6.6	4130 - Aspen	Sawtimber Well	76	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut everything over 2 inches DBH

Specs:Next Step

Treatments:

Acceptable A mix of aspen, oak and white pine is acceptable.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

81	54075081-Cut	1.2	42130 - Planted Scotch Pine	Poletimber Well	65	81-110	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut removing all scotch pine and red maple.

Specs:Next Step

Treatments:

Acceptable A mix of anything but scotch pine.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
88	54075088-Cut	29.6	4131 - Aspen, Oak	Sawtimber Well	53	81-110	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Clearcut all trees over 2 inches in DBH. Leave oak in southeast side of stand for retention. Also fallow ruffed grouse specs. Fallow bmps for wetlands and water front areas.

Next Step  
Treatments:

Acceptable A mix of aspen, oak, red maple, and red pine is acceptable.  
Regen:

Other Most oak is in the southeast corner of the stand. Old next step comments:  
Comment:

Proposed Start Date: 10/1 /2016

122	54075122-NF	0.9	320 - Upland Shrub	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to mast and fruit bearing shrubs and trees for wildlife or maintain grasses using mechanical methods or fire as funding allows. Some brushing may be needed.

Next Step  
Treatments:

Acceptable  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/1 /2016

403	54075403-NF	1.5	31029 - Grass (OI)	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Next Step  
Treatments:

Acceptable  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/1 /2016

419	54075419-NF	2.5	3102 - Grass	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Next Step  
Treatments:

Acceptable  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 5 /1 /2015



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
423	54075423-NF	1.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

425	54075425-NF	1.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

426	54075426-NF	1.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

427	54075427-NF	1.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015



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
443	54075443-NF	2.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Treat with adjacent stand to the west Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

449	54075449-NF	16.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows. Remove brush to keep area

Specs: open.

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

**Total Treatment  
Acreage Proposed: 157.8**



## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 75  
Year of Entry: 2017

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions									
		With Condition				2B	4A	5C	2F	2G	2H	3D	3J	5E	
534	479	36		19	Aspen		2	35	1	4		0	9	5	
5	5	0		0	Bog										
8	3	0		5	Cedar					5					
31	31	0		0	Herbaceous Openland										
3	3	0		0	Jack Pine										
11	11	0		0	Low-Density Trees										
18	11	0		7	Lowland Aspen/Balsam Poplar					3			4		
49	13	0		35	Lowland Conifers					33			2		
6	6	0		0	Lowland Deciduous										
51	30	0		20	Lowland Shrub	0				16			4		
37	12	0		25	Lowland Spruce/Fir	0				25					
70	32	35		4	Mixed Upland Deciduous	11		24			3		1		
5	5	0		0	Natural Mixed Pines										
1	0	1		0	Northern Hardwood	1							0		
120	64	48		8	Oak	23		25				2	6		
1	1	0		0	Planted Mixed Pines										
14	14	0		0	Red Pine										
9	1	0		8	Tamarack	0				8					
9	9	0		0	Upland Conifers										
1	1	0		0	Upland Shrub										
1	1	0		0	Upland Spruce/Fir										
12	12	0		0	Urban								0		
2	2	0		0	Water										
3	3	0		0	White Pine					0					
1,001	750	120		131	Total Forested Acres	35	2	83	1	94	3	2	26	5	
	75%	12%		13%	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)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 75  
Year of Entry: 2017

2	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 75  
Year of Entry: 2017

8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Available	2B: Unknown if access through adjacent landowner(s) is possible	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	Available	2B: Unknown if access through adjacent landowner(s) is possible	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 75  
Year of Entry: 2017

14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Available	2B: Unknown if access through adjacent landowner(s) is possible	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 75  
Year of Entry: 2017

22	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 75  
Year of Entry: 2017

36	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	Unavailable	2F: Too steep	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	Unavailable	3D: Recreational / Scenic values	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
46	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
50	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
52	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 75  
Year of Entry: 2017

60	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
61	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
67	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
72	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	2	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
76	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



## Report 6 – 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

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### Report 7 – 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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4134 - Aspen, Spruce/Fir	Poletimber Well	42.5	44	111-140	OPIC - FMD: Multiple soil types. There are scattered pockets of Balsam Fir throughout the stand.
3	4130 - Aspen	Sapling Well	1.3	26	Immature	OPIC - FMD: OI Stand Year Origin was 1999
4	4130 - Aspen	Poletimber Well	17.1	28	Immature	OPIC - FMD: OI Stand Year Origin was 1987
5	4130 - Aspen	Sapling Well	4.7	16	Immature	OPIC - FMD: Area gets a lot of traffic from the landing on Grass Lake.
7	4130 - Aspen	Sapling Well	6.2	16	Immature	OPIC - FMD: Some oak in overstory, less than 10 BA.
8	6122 - Black Spruce	Sapling Medium	7.3	75	51-80	OPIC - FMD: FEW NICE STEMS (red pine and white pine) IN TRANSITION ZONE, OTHERWISE VERY SMALL
9	429 - Mixed Upland Conifers	Poletimber Medium	9.1	54	1-50	OPIC - FMD: OI Stand Year Origin was 1961
11	6121 - Tamarack	Poletimber Poor	9.5	100	1-50	OPIC - FMD: Associated with Grass Lake. SCA
12	6122 - Black Spruce	Sapling Medium	4.7	63	Unspecified	OPIC - FMD: Associated with Grass Lake. SCA
13	4123 - Red Oak	Sawtimber Well	20.2	89	111-140	OPIC - FMD: Aspen and birch in decline, W.P. seedlings very thick in areas. Old fire scars on W.P. stumps. Access through Sorensens Resort, trail access @ the very west camp sites. Associated with Grass Lake. SCA
15	4199 - Other Mixed Upland Deciduous	Sawtimber Well	12.0	107	111-140	OPIC - FMD: HIGH GROUND BY LAKE FRONT. Associated with Grass Lake. SCA
16	4199 - Other Mixed Upland Deciduous	Poletimber Well	24.0	79	81-110	OPIC - FMD: LAKE FRONTAGE. Associated with Grass Lake. SCA
18	4130 - Aspen	Sawtimber Well	26.4	53	81-110	There are low areas with standing water throughout the year along with vernal ponds with trees growing on the hummocks. There is better quality trees on the east side of the stand on where it becomes more upland.
19	6112 - Lowland Aspen	Poletimber Well	10.1	35	81-110	
20	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	2.6	115	51-80	OPIC - FMD: Fawn Hoof island. Some poison ivy. O8R7A5. Used as day use area. Pretty clean. Windy Ridge folks clean up here. Photos on "P" drive. Need some soil stabilization work. Associated with Grass Lake. SCA

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## Atlanta Mgt. Unit

## Report 8 – Forested Stands

Compartment: 75  
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	6124 - Lowland Spruce-Fir	Sawtimber Well	2.2	67	81-110	OPIC - FMD: SMALL PATCH OF CONIFER. MARGINALLY WET. Good cover.
22	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	8.1	56	51-80	OPIC - FMD: SWAMP ALONG PROPERTY LINE
24	4130 - Aspen	Poletimber Poor	29.7	38	111-140	
25	4130 - Aspen	Sapling Well	65.0	7	Immature	
26	4123 - Red Oak	Poletimber Medium	43.3	64	81-110	Heavy to aspen on the north side of the stand. Overall size and quality is low to moderate.
27	4130 - Aspen	Sapling Well	29.6	16	Immature	CUT 1998, SALE 42-97,
29	4130 - Aspen	Poletimber Well	115.8	38	81-110	OPIC - FMD: Large area ranging from an A-3 to an A-5. Scattered oak saw timber in south. South is a mix of aspen and conifer.
30	4129 - Mixed Oak	Sawtimber Medium	11.3	63	51-80	
31	6112 - Lowland Aspen	Poletimber Well	4.4	36	81-110	
32	4123 - Red Oak	Sawtimber Well	7.3	88	81-110	OPIC - FMD: Oak ridge, hold for wildlife mast production. Some red pine, saw.
33	42220 - Natural Jack Pine	Poletimber Well	2.8	66	81-110	.
34	4136 - Aspen, Mixed Conifer	Poletimber Well	15.0	42	81-110	OPIC - FMD: SCATT RP & A FEW POCKETS OF JP WERE LEFT.
36	4123 - Red Oak	Sawtimber Well	23.9	104	111-140	OPIC - FMD: Some aspen, north edge =conifer, leave for visual and water quality. Grass Lake association, SCA.
37	4131 - Aspen, Oak	Poletimber Well	6.0	74	51-80	Steep.
38	4131 - Aspen, Oak	Sapling Well	21.6	16	Immature	CUT 1998, LEFT 20 SQ. FT. OF MOSTLY OAK
40	4123 - Red Oak	Sawtimber Well	2.8	70	51-80	
41	4130 - Aspen	Poletimber Well	27.6	27	Immature	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	42290 - Natural Mixed Pine	Sapling Poor	5.2	26	1-50	OPIC - FMD: SI taken from adjacent stand.
43	4130 - Aspen	Poletimber Well	20.7	33	81-110	
44	6122 - Black Spruce	Poletimber Medium	24.7	88	51-80	Stand Year Origin was 1931. This site is too wet with cattails mainly in the north half. Most of the trees are growing on hummocks. There is thick sedge and scattered feather moss that would limit any regeneration.
46	6120 - Lowland Cedar	Poletimber Well	8.3	96	111-140	
47	42110 - Planted Red Pine	Poletimber Well	14.3	55	81-110	
49	4133 - Aspen, Mixed Pine	Poletimber Well	19.2	84	51-80	
50	6124 - Lowland Spruce-Fir	Poletimber Well	27.5	89	111-140	
53	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	4.2	24	Immature	OPIC - FMD: OI Stand Year Origin was 1988
54	4130 - Aspen	Sawtimber Well	4.4	68	51-80	OPIC - FMD: CUT 1998, LEFT 20 SQ. FT. OF MOSTLY OAK. Grass Lake association, SCA.
56	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	3.1	72	81-110	OPIC - FMD: Area get s a lot of traffic from the landing on Grass Lake.
57	6124 - Lowland Spruce-Fir	Sapling Medium	6.1	53	81-110	
62	4130 - Aspen	Sawtimber Well	6.6	76	81-110	OPIC - FMD: Area get s a lot of traffic from the landing on Grass Lake.
64	6118 - Lowland Deciduous with Cedar	Sawtimber Poor	6.1	42	1-50	
67	6124 - Lowland Spruce-Fir	Poletimber Well	2.1	79	111-140	
68	4123 - Red Oak	Sawtimber Well	6.7	79	81-110	OPIC - FMD: OI Stand Year Origin was 1936
72	6127 - Lowland Pine	Sawtimber Well	2.7	95	111-140	OPIC - FMD: HIGH GROUND BY LAKE FRONT. Associated with Grass Lake. SCA There is a eagles nest on west side in a large white pine, may need to check if active.

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## Atlanta Mgt. Unit

## Report 8 – Forested Stands

Compartment: 75  
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>73</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	1.0	65	1-50	OPIC - FMD: WATERFRONT-NO TREATMENT. Grass Lake association, SCA.
<b>76</b>	4123 - Red Oak	Poletimber Well	4.2	68	111-140	OPIC - FMD: WATERFRONT-NO TREATMENT. Grass Lake association SCA
<b>77</b>	4136 - Aspen, Mixed Conifer	Poletimber Well	12.3	38	81-110	OPIC - FMD: Some conifer in stand. Stand is north of 628.
<b>81</b>	42130 - Planted Scotch Pine	Poletimber Well	1.2	65	81-110	
<b>83</b>	42330 - Upland Fir	Sapling Medium	1.2	33	Immature	OPIC - FMD: FEW NICE STEMS IN TRANSITION ZONE, OTHERWISE VERY SMALL
<b>84</b>	4131 - Aspen, Oak	Poletimber Well	13.2	34	111-140	
<b>88</b>	4131 - Aspen, Oak	Sawtimber Well	29.6	53	81-110	
<b>91</b>	6112 - Lowland Aspen	Sawtimber Poor	3.6	46	51-80	OPIC - FMD: OI Stand Year Origin was 1987. This stand is small and only separated because of a stream going through the north.
<b>94</b>	4130 - Aspen	Poletimber Well	19.0	51	111-140	
<b>95</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	24.5	38	81-110	
<b>99</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	1.8	76	81-110	OPIC - FMD: Area get s a lot of traffic from the landing on Grass Lake.
<b>105</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	1.0	45	1-50	



Stand	Cover Type	Acres	Managed Site	General Comments:
2	500 - Water	2.3	No	OPIC - FMD: OI Stand Year Origin was 1987
6	6299 - Lowland Shrub (OI)	2.3	No	OPIC - FMD: Along stream.
10	6299 - Lowland Shrub (OI)	4.4	No	OPIC - FMD: Associated with Grass Lake. SCA
14	622 - Lowland Shrub	4.5	No	OPIC - FMD: ALONG LAKEFRONT. Associated with Grass Lake. SCA
17	3102 - Grass	1.5	Yes	
23	622 - Lowland Shrub	1.5	No	OPIC - FMD: SWAMP ALONG PROPERTY LINE
35	622 - Lowland Shrub	11.3	No	OPIC - FMD: Stream in stand.
45	622 - Lowland Shrub	9.8	No	
48	330 - Low-Density Trees	10.9		
51	122 - Road/Parking Lot	2.4	No	OPIC - FMD: Area get s a lot of traffic from the landing on Grass Lake.
55	110 - Low Intensity Urban	1.2	No	OPIC - FMD: WATERFRONT-NO TREATMENT. Grass Lake association, SCA. Possible trespass to the north.
58	122 - Road/Parking Lot	4.9	No	
65	6225 - Bog	4.5	No	OPIC - FMD: Bog. Associated with Grass Lake. SCA
66	622 - Lowland Shrub	5.2	No	OPIC - FMD: ALONG LAKEFRONT. Associated with Grass Lake. SCA
70	6299 - Lowland Shrub (OI)	2.6	No	OPIC - FMD: ALONG LAKEFRONT, water level fluctuates. Associated with Grass Lake. SCA.
71	6299 - Lowland Shrub (OI)	3.0	No	OPIC - FMD: Along lakefront. Associated with Grass Lake. SCA
78	622 - Lowland Shrub	2.5	No	OPIC - FMD: ALONG LAKEFRONT. Associated with Grass Lake. SCA
79	622 - Lowland Shrub	1.7	No	OPIC - FMD: ALONG LAKEFRONT. Associated with Grass Lake. SCA



Stand	Cover Type	Acres	Managed Site	General Comments:
82	6299 - Lowland Shrub (OI)	0.9	No	OPIC - FMD: ALONG LAKEFRONT. Associated with Grass Lake. SCA
86	622 - Lowland Shrub	0.9	No	
102	122 - Road/Parking Lot	3.3	No	OPIC - FMD: SCATT RP & A FEW POCKETS OF JP WERE LEFT. Private strip west of Grass Lake Rd (survey markers)?
122	320 - Upland Shrub	0.9	No	OPIC - FMD: OI Stand Year Origin was
403	31029 - Grass (OI)	1.5	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
419	3102 - Grass	2.5	Yes	
421	3102 - Grass	0.4	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
423	3102 - Grass	1.8	Yes	
425	3102 - Grass	1.5	Yes	OPIC - FMD: maintain with food and cover plantings OI Stand Year Origin was
426	3102 - Grass	1.5	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
427	3102 - Grass	1.3	Yes	
443	3102 - Grass	2.5	Yes	OPIC - FMD: maintain with food and cover plantings. This is part of a large opening in the adjacent compartment and should be treated along with that stand. OI Stand Year Origin was
449	3102 - Grass	16.8	Yes	OPIC - FMD: Stand was trenched for planting in the past. Is turning into a U- type with jack pine and other tree species moving in. There are natural grasses present, conduct a spring burn before green-up for enhancement.