



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73046

Entry Year 2017

Acreage: 5,735

County Gladwin

Management Area: Gladwin Lake Plain

Revision Date: 2015-06-02

Stand Examiner: Rick Myrick

Legal Description:

T19N-R1E Sections 12 and 13;
T19N-R2E Sections 2, 3, 7 thru 10, and 14 thru 18.

Identified Planning Goals:

The general compartment area has been managed for early successional aspen and jack pine cover types over the past thirty years. Many of the stands that were easily harvested have been cut. Continue to manage the compartment for the current cover types where possible. In the stands that are inoperable due to wetness, allow them to convert to later successional types. This will over time increase the amount of swamp hardwoods and tamarack within the compartment thus contributing to additional biodiversity. Additionally, areas of invasive autumn olive have been identified to be eliminated from the landscape.

Soil and topography:

The soils within this compartment are variable. They range from well drained Rosseau fine sands to moderately drained Croswell-AuGres-Roscommon sands to poorly drained Roscommon-Defors sands. These soil associations have a large variety of inclusions from dry, sandy soils to mucky soils. This leads to a terrain that is dominated by hummocky ground as well as areas with ridge and swale topography. Most of the stands have a mix of upland and lowland soils. The Molasses River serves as the compartment's eastern border and the flood plain is dominated by Evert-Winterfield soil complex. The Molasses River banks contain numerous seeps.

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

The compartment is approximately eight and one half contiguous sections of State Forest land. About three quarters of the compartment is surrounded by State forest. Sections 7, 12, and 13 are surrounded by private parcels of mostly larger 40 acre or more parcels of farmlands and hunting properties.

Unique Natural Features:

The Michigan Natural Features Inventory identifies the occurrence of Red-shouldered hawk (*Buteo lineatus*), within the compartment.

Archeological, Historical, and Cultural Features:

No known occurrences are identified within the Michigan History Center Archeological database.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

The Compartment's eastern border is the Molasses River; a warm water stream which is a tributary of the Tittabawassee River.

Wildlife Habitat Considerations:

Wildlife Biologist comments

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of fine-textured glacial till and lacustrine sand and gravel. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw Formation is used for clay/shale in other areas of the state. This area is predominantly clay and sand, and gravel potential is considered to be limited. Limited oil and gas exploration has occurred in this compartment. The two-well, abandoned Secord Field is located in section 11 and 12, just west of the compartment. The field produced 12,000 bbls of oil from the Dundee Limestone. All State minerals within the compartment are currently leased for oil and gas development.

Vehicle Access:

Continue to define and assess state forest roads for operability, vehicle access, and management needs in concert with

future State Forest roads planning goals.

Survey Needs:

Much of the state land is surrounded by state ownership. The private land has been heavily surveyed. No survey is needed at this time.

Recreational Facilities and Opportunities:

Michigan Cross Country Cycle Trail occurs on Sterling Truck Trail on the north boundary of this compartment. Assure 'logging ahead' warning signs are placed for the designated trail locations during logging activity. Ensure designated trails signs, post and directional markers are protected. Moderate dispersed camping occurs mainly during the firearm deer hunting season. Some light fishing or hunting may occur on Molasses River.

Fire Protection:

Three county roads provide access for fire suppression equipment from the compartment's north via Sterling Truck Trail and south via Secord Dam Road and through the interior of its west half via Wildwood Road. Much of the compartment is transected by lowland forests and brush, which could hinder suppression activities. However the same terrain will impede rapid rates of fire spread. Access from the east is impossible due to the Molasses River boundary.

Additional Compartment Information:

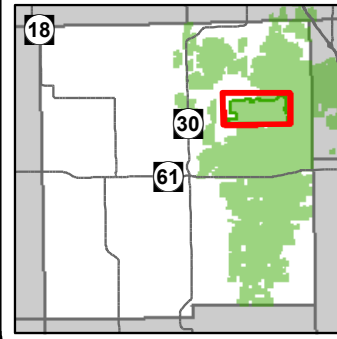
The following reports from the Inventory are attached:

- 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

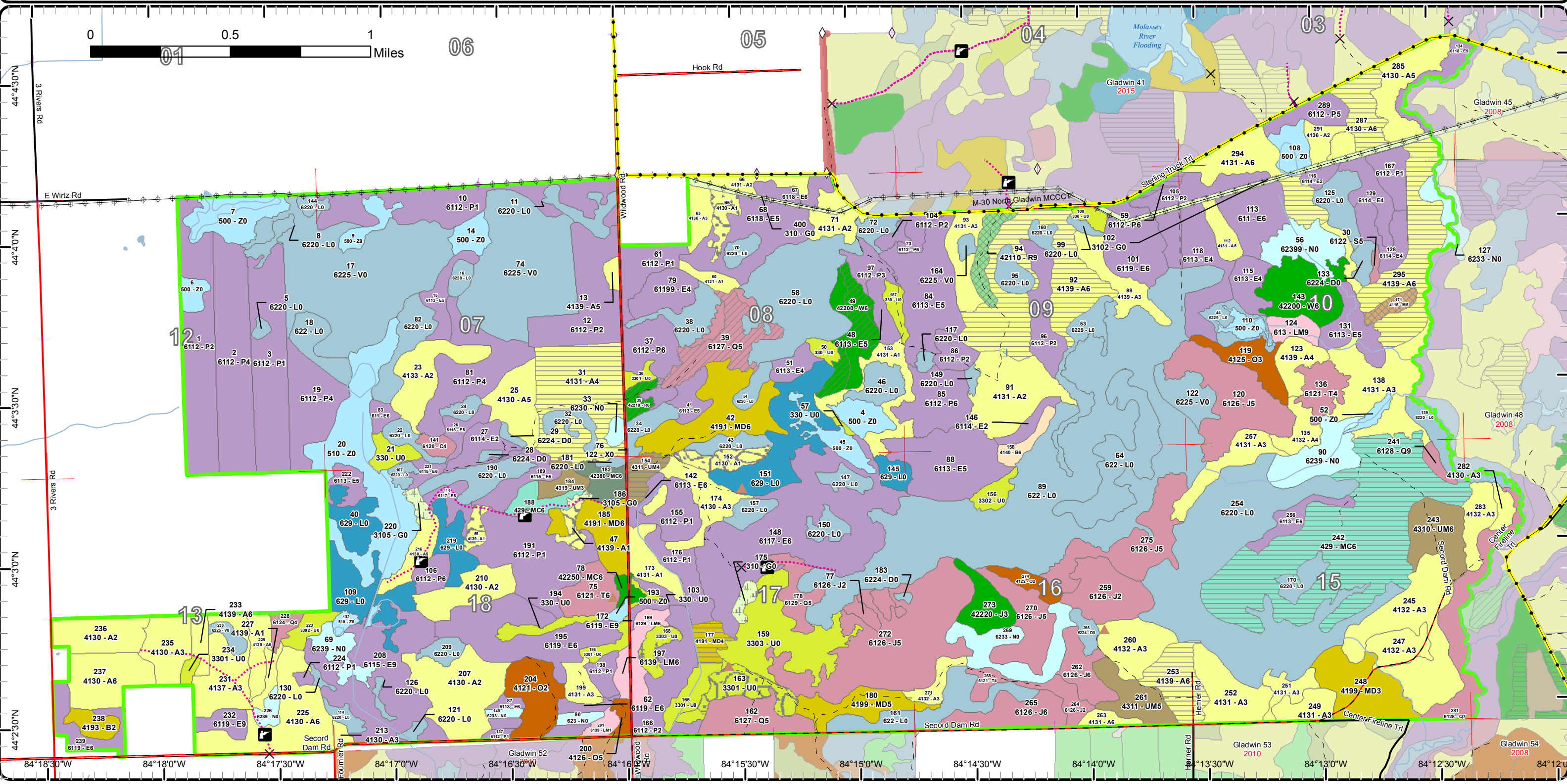


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 T19N R 01E 12,13
 T19N R02E 03, 07-10, 14-18
 county:
 Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YOE: 2017
 Acres: 5735 GIS Calculated
 Examiner: Rick Myrick
 Map Revised: 6/11/2015
 Map Phase: Pre-Review

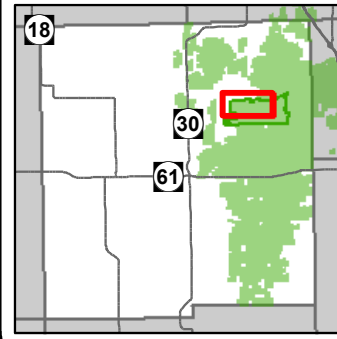


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- ◇ Field Grade GPS Corners
- Miris Corners
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- County Gravel Roads
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- County Poor Dirt Roads
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- ✕ Gate
- ▲ Berms
- ⌒ Culverts
- ▣ Hunter Walking Trails
- ⋯ Hunter Walking Trails
- Rivers
- Lakes
- ⊕ Powerline
- Treatments
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Planting (tree species)
- ▨ Other Treatment - See Comments
- ▨ Regeneration Survey
- ▨ Thinning (Crown, Low, Systematic)

- ### Forest Covertypes
- 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 414 - Other Upland Deciduous
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 430 - Upland Mixed Fores
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
- ### Non-Forest Covertypes
- 122 - Roads/Parking Lot
 - 310 - Herbaceous Openland
 - 330 - Low Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 629 - Mixed non-forested wetland



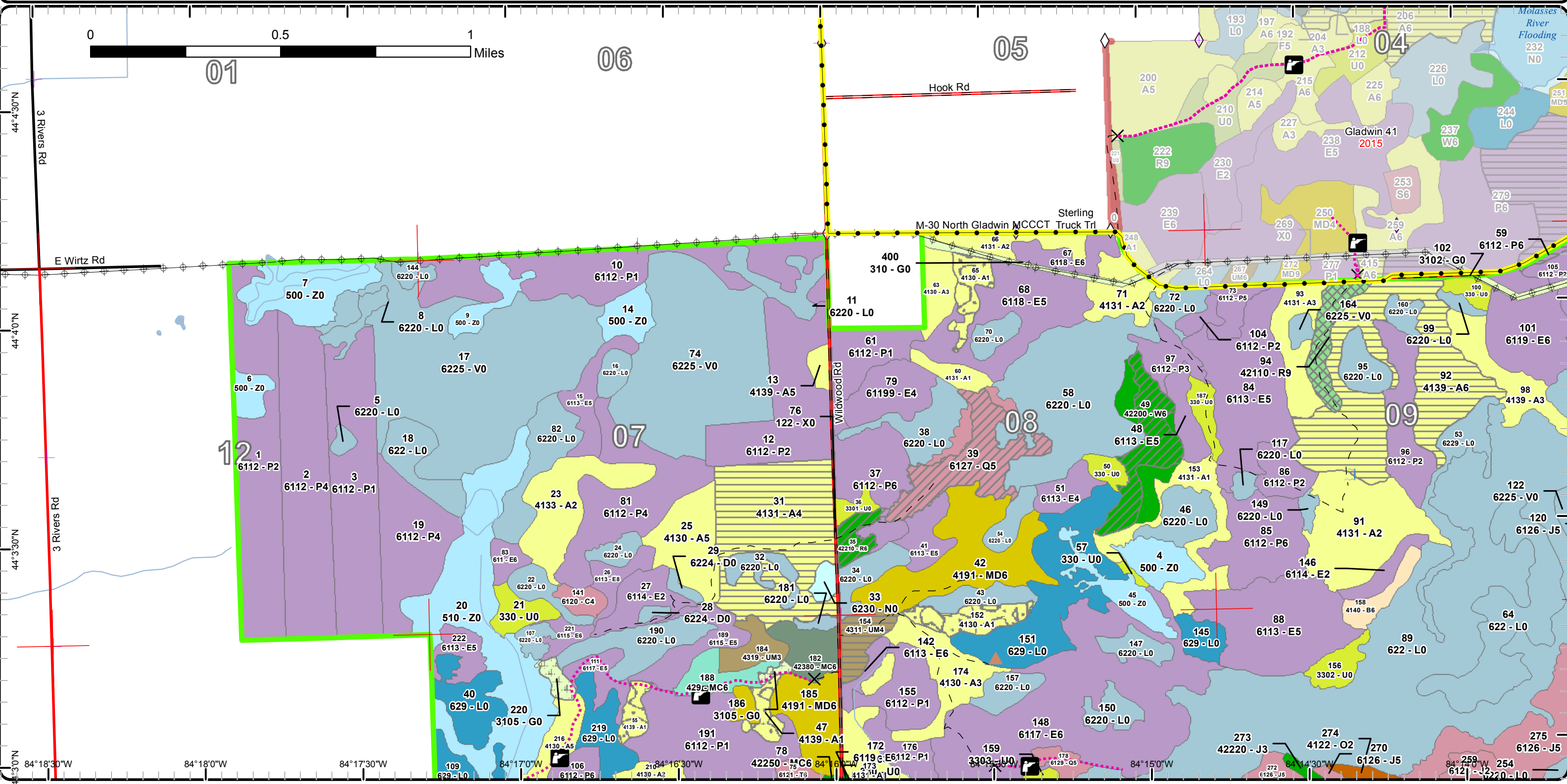
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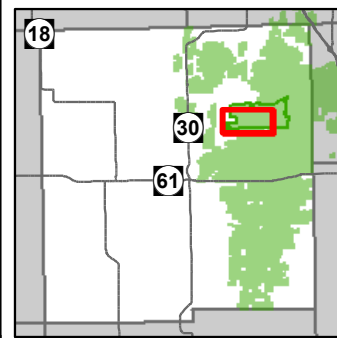
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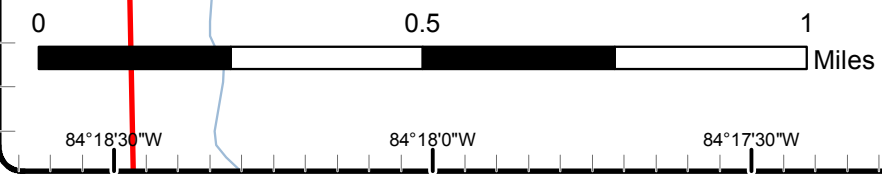
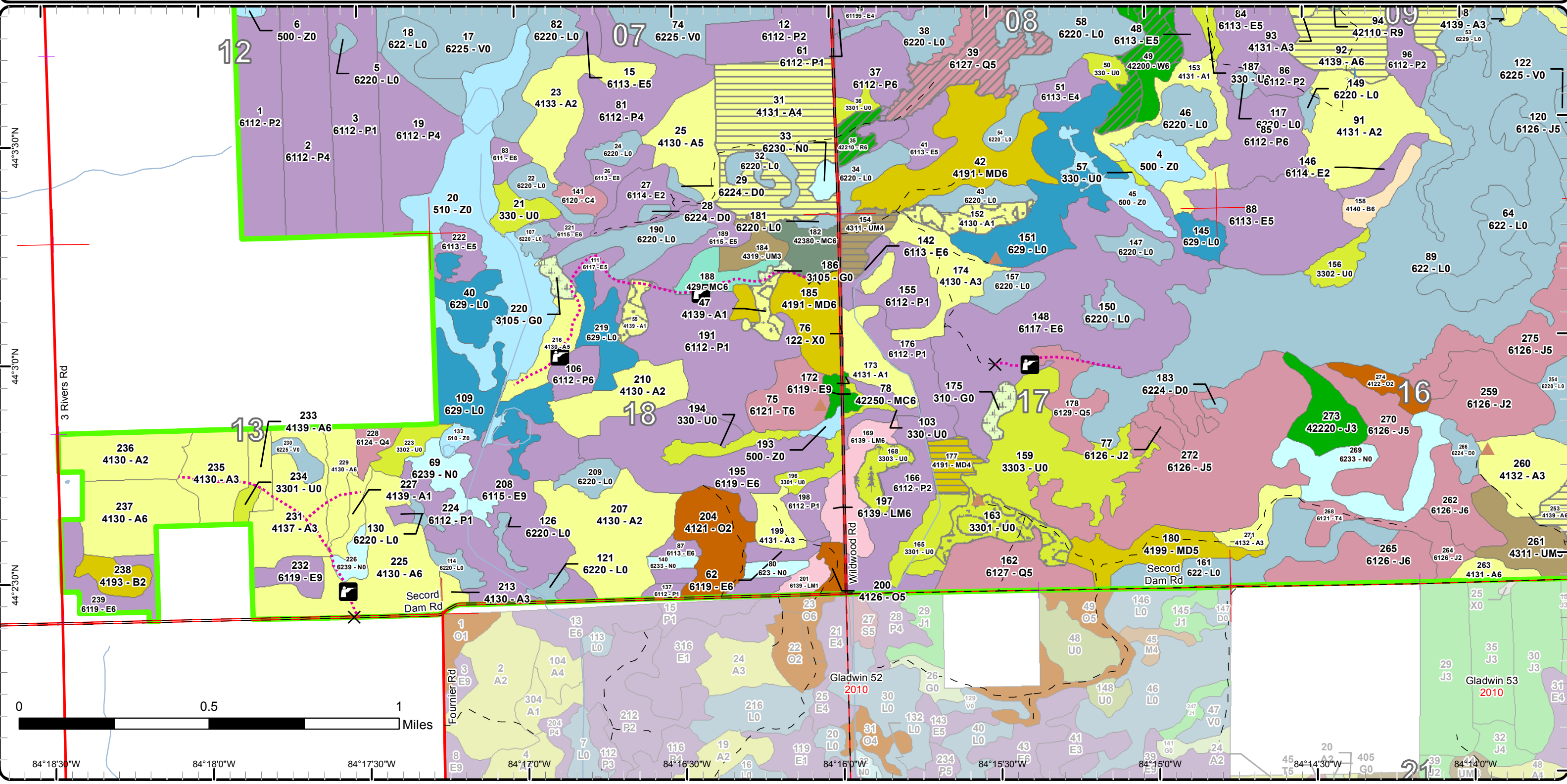
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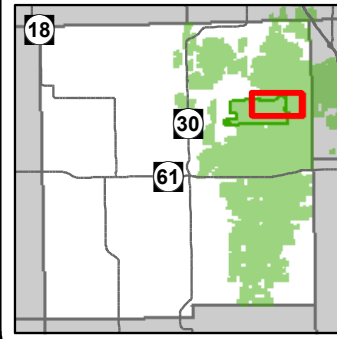
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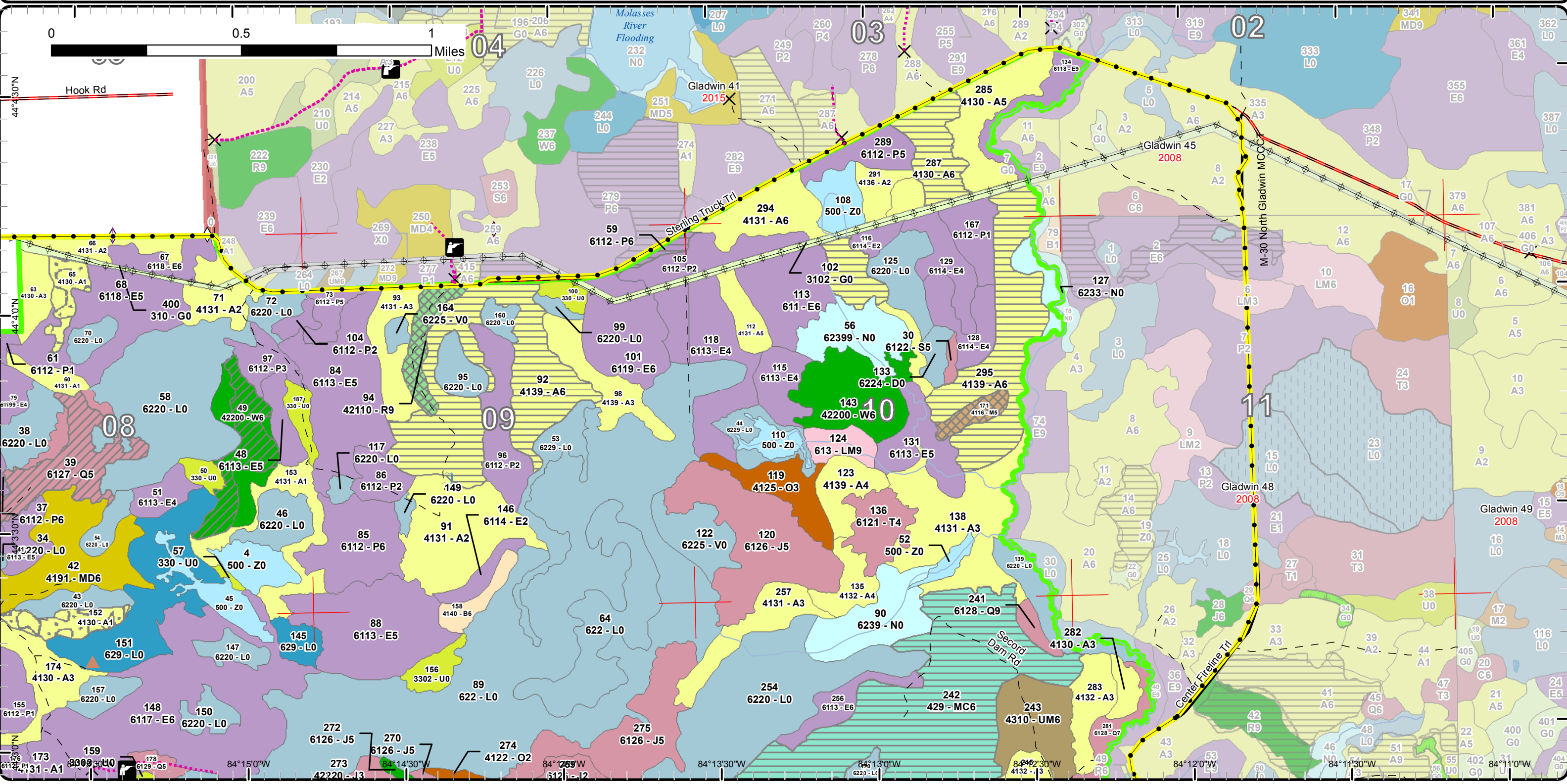


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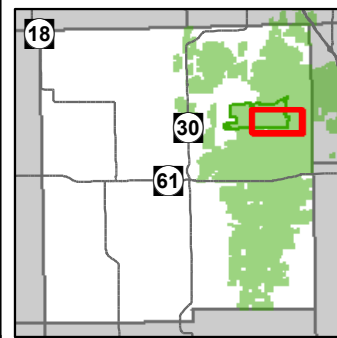


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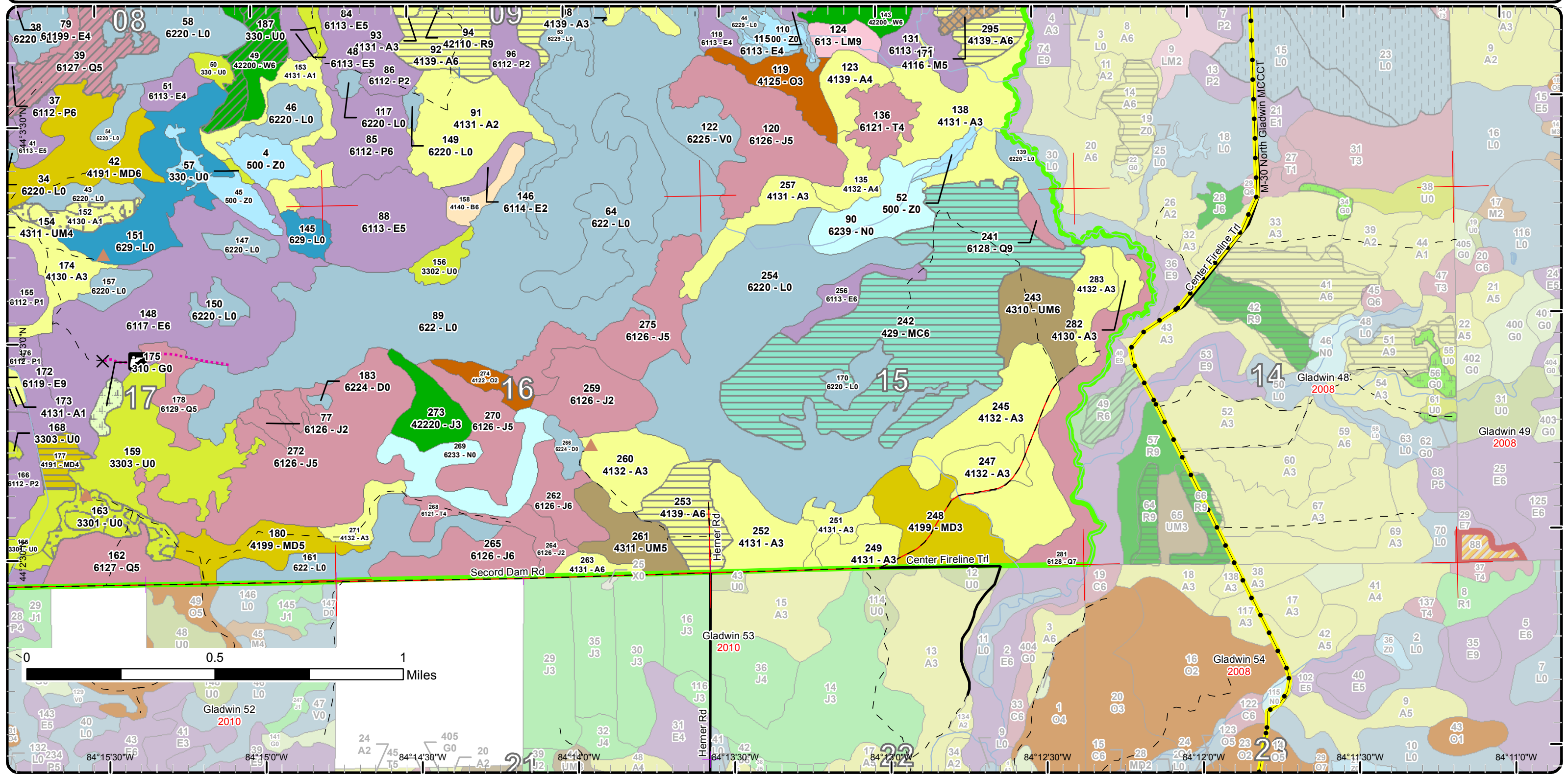
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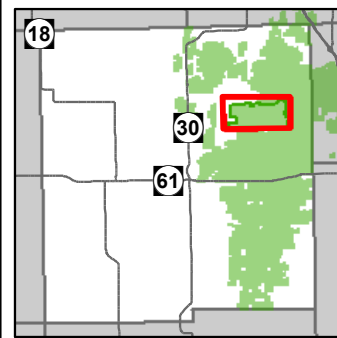
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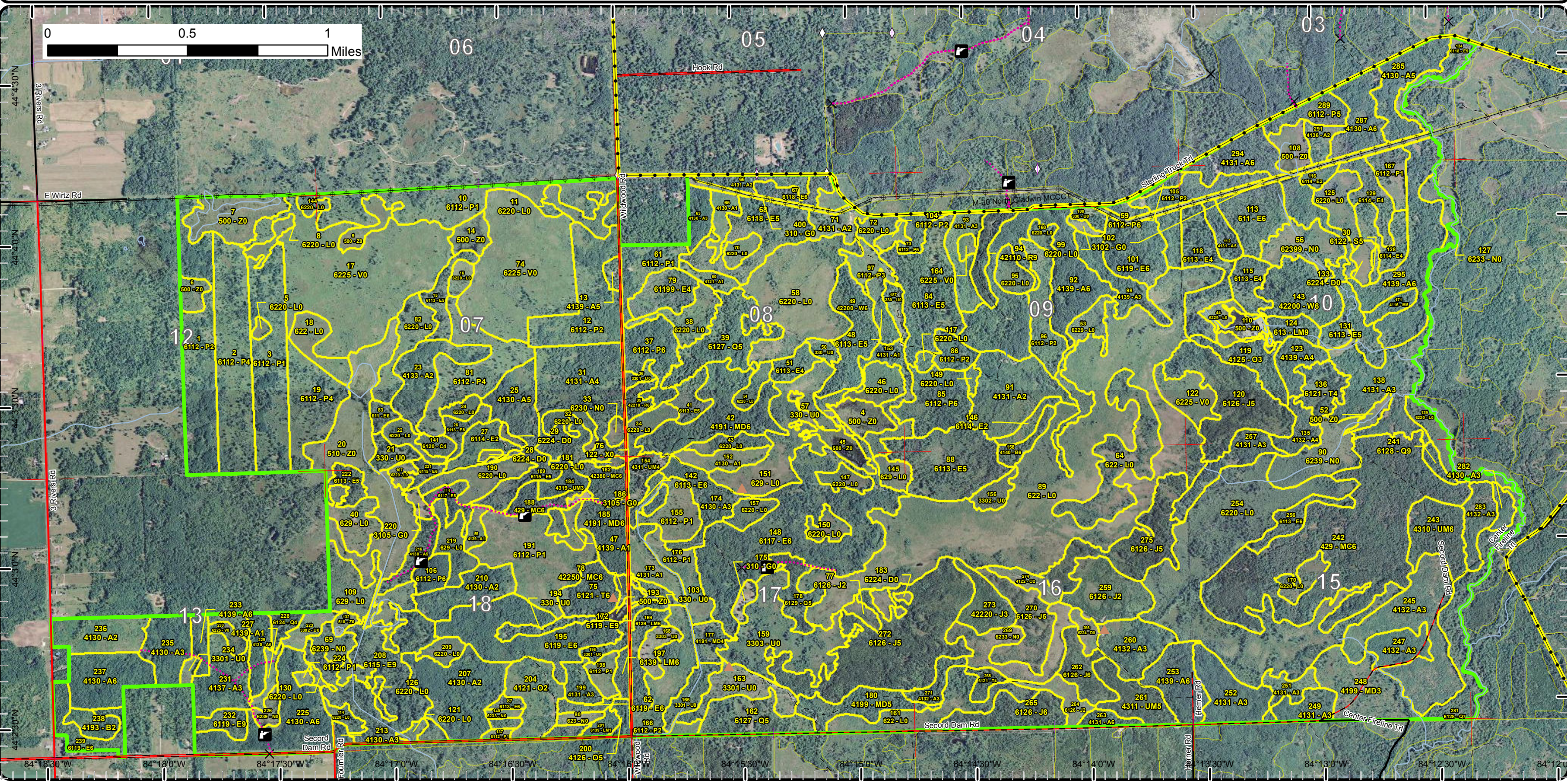
Stand Boundary Map



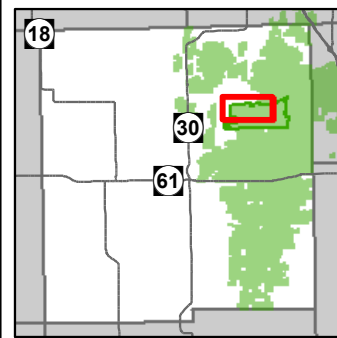
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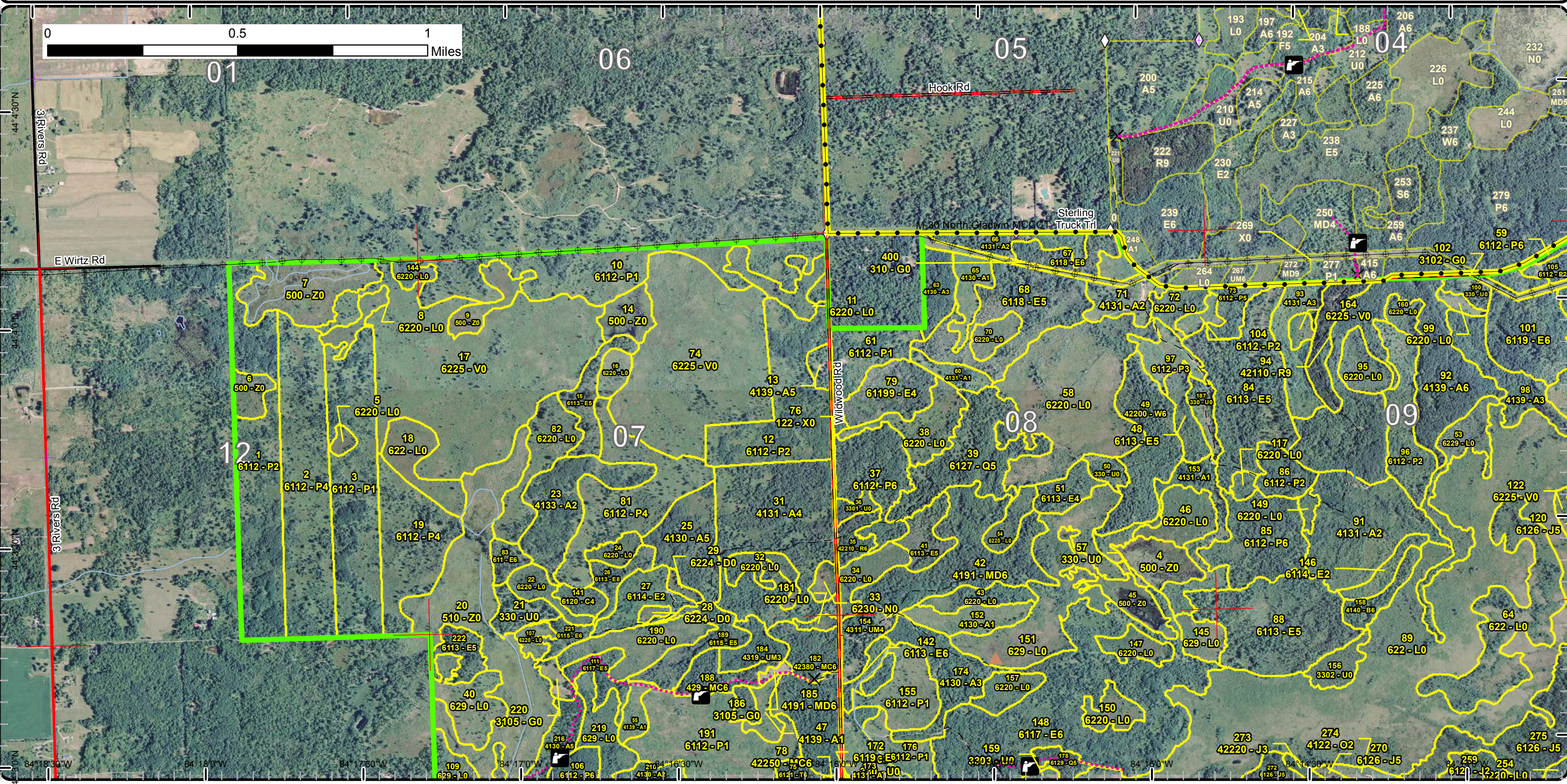
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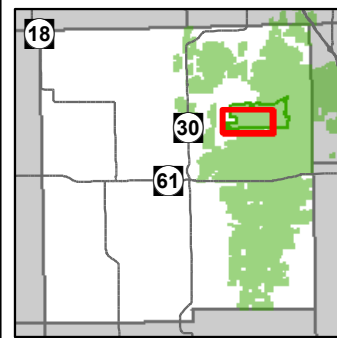
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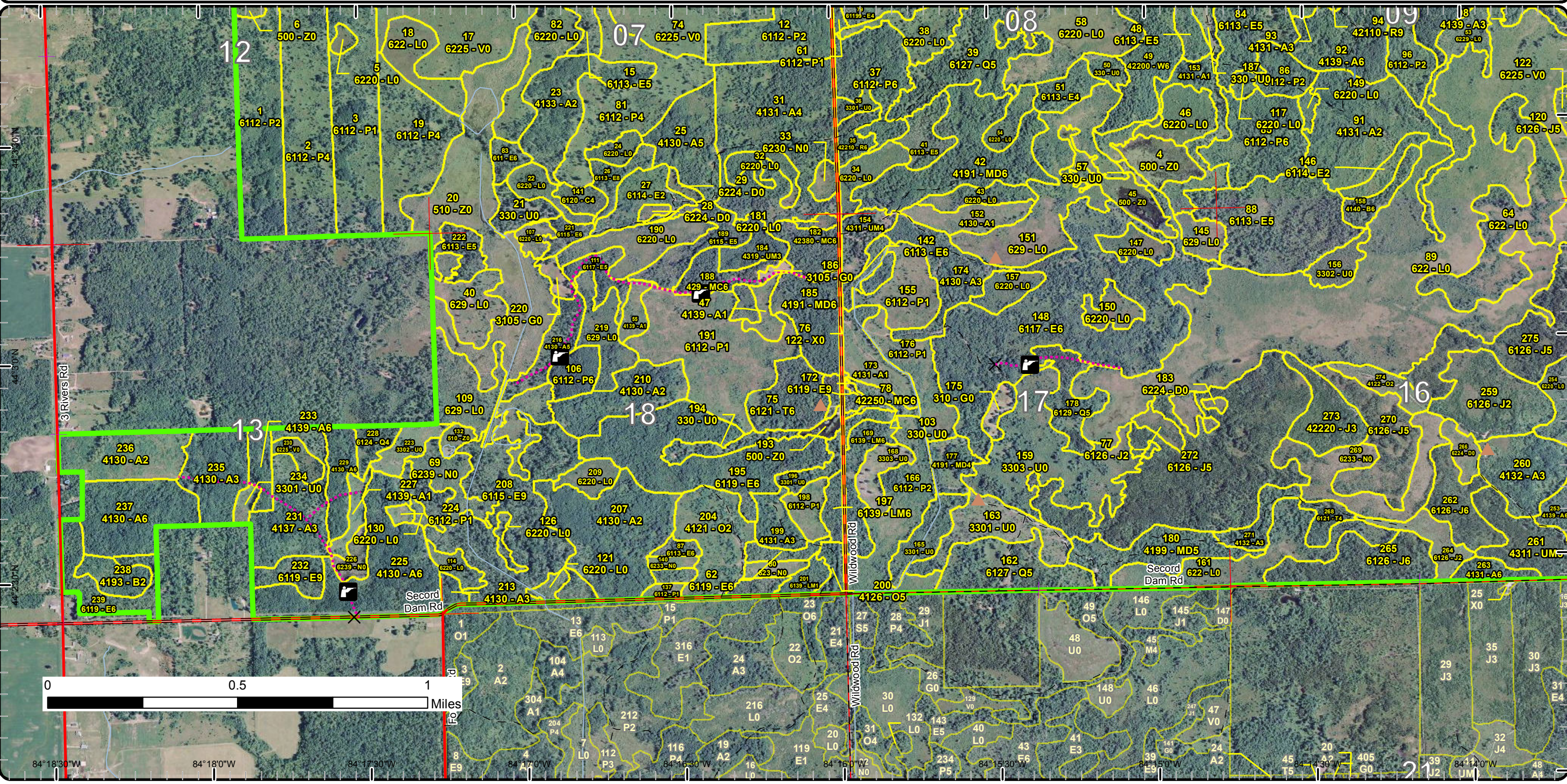


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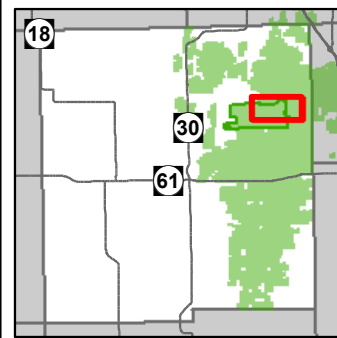


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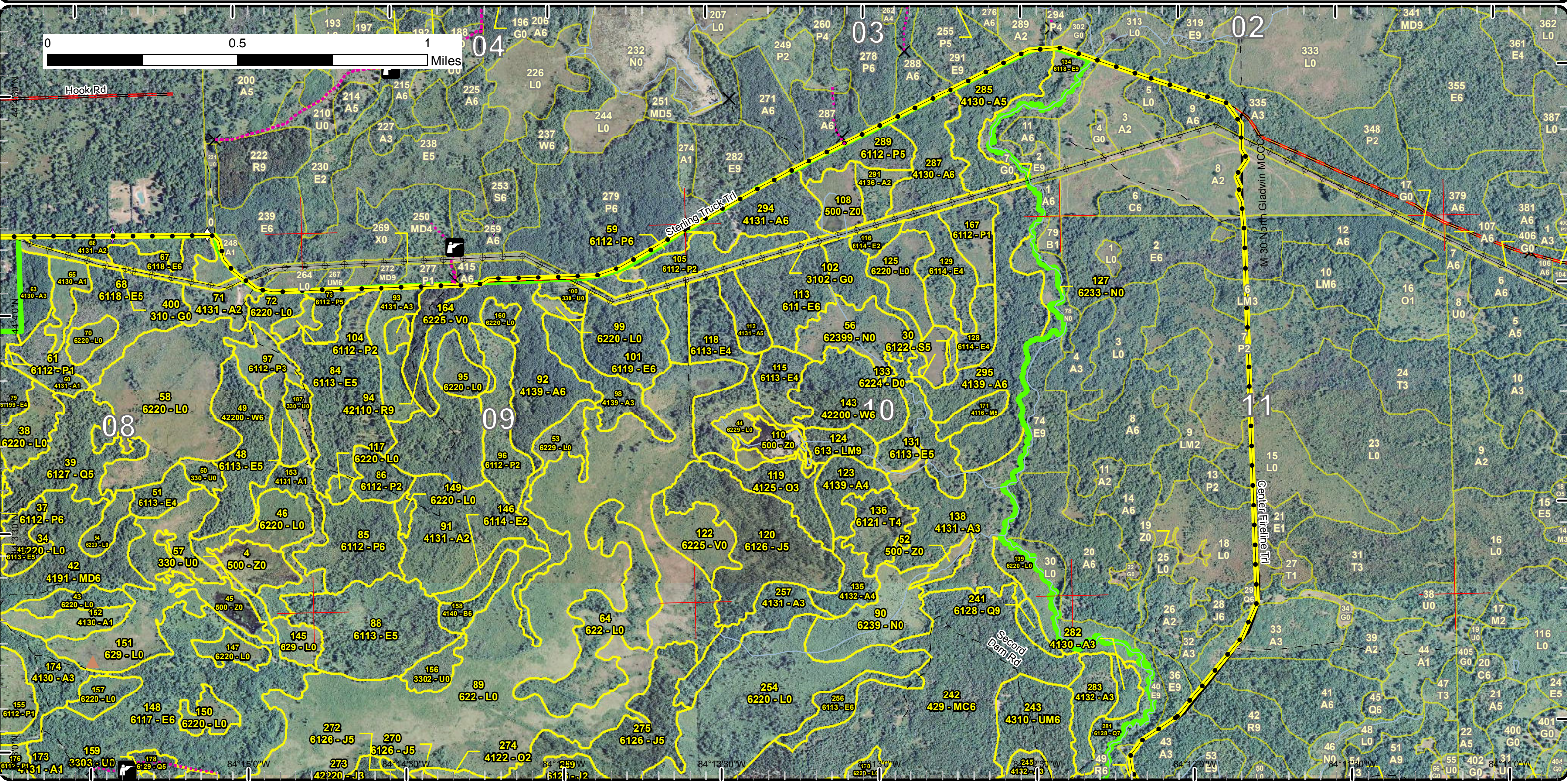
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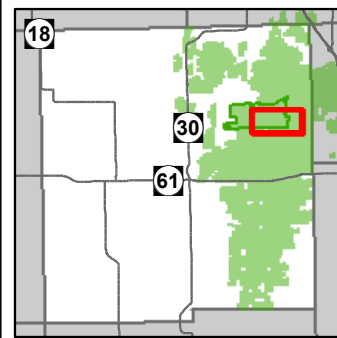
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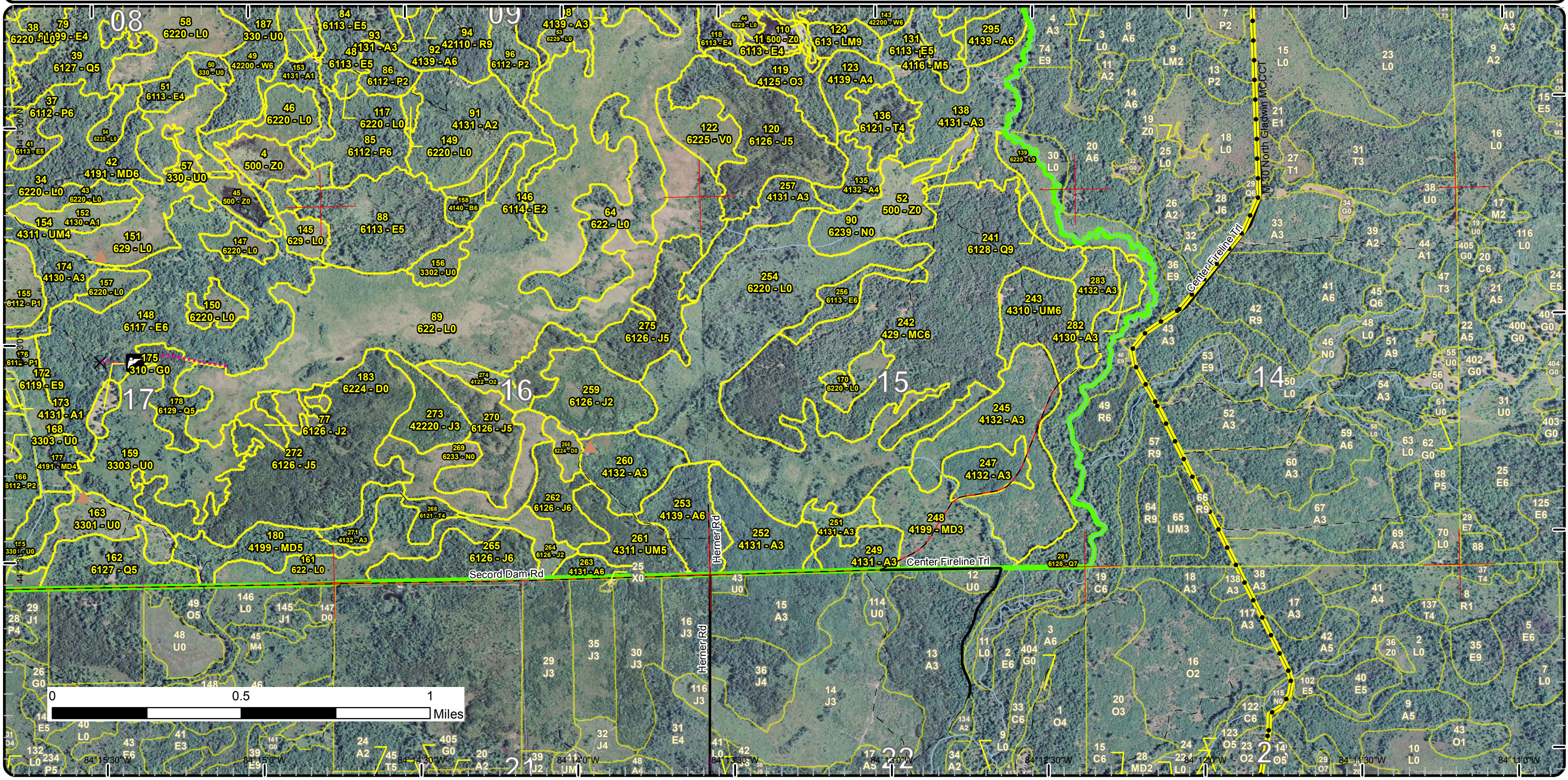


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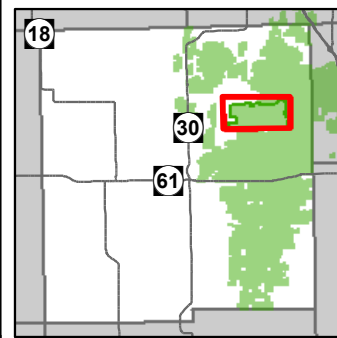


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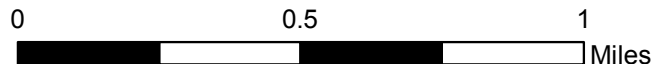
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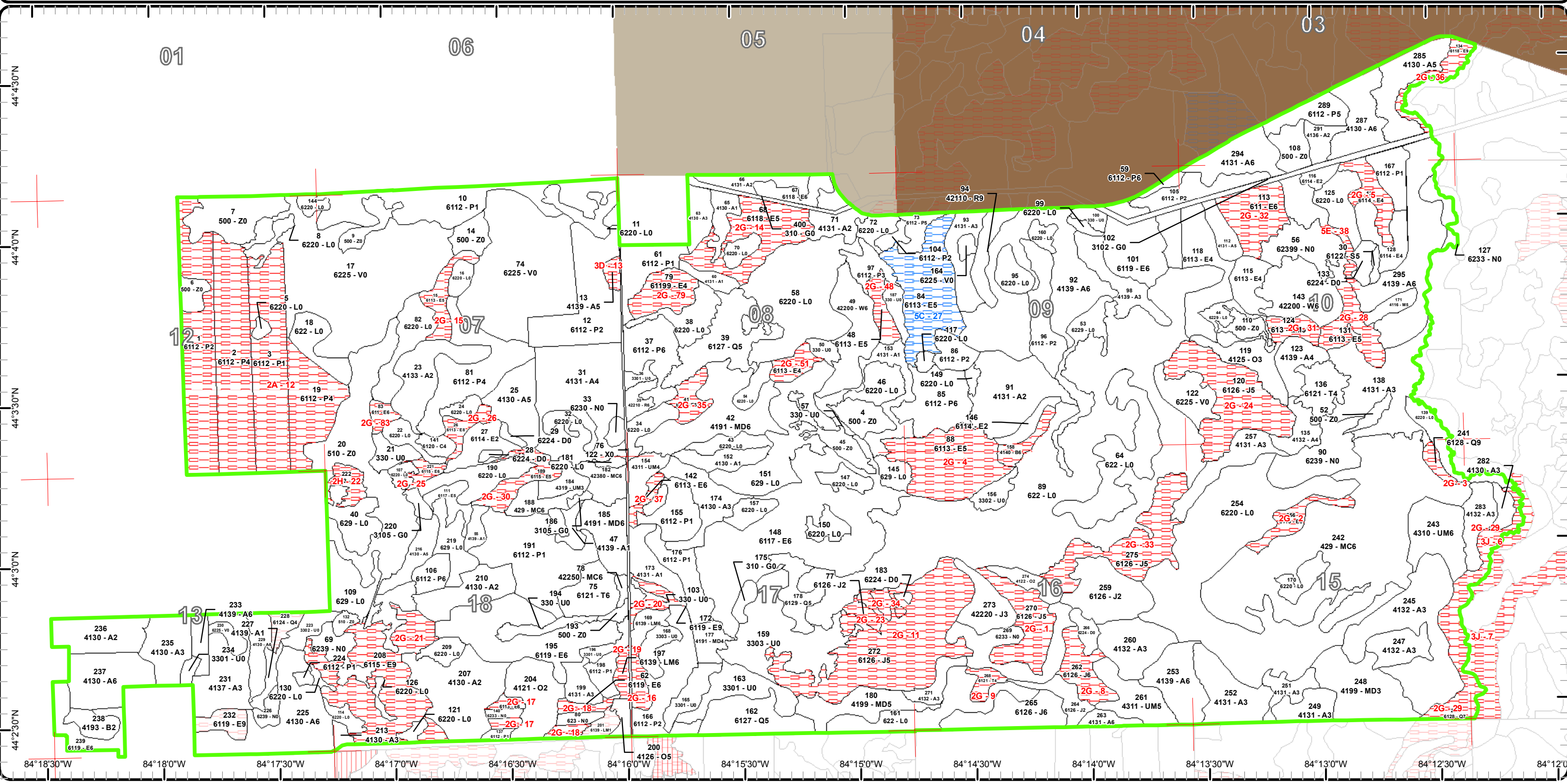
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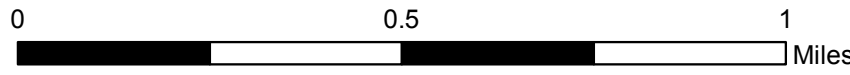
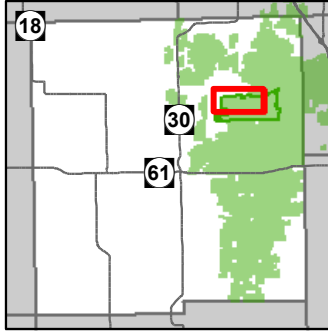


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- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Special Conservation Areas
- Dedicated Management Areas
- Wildlife Management Areas

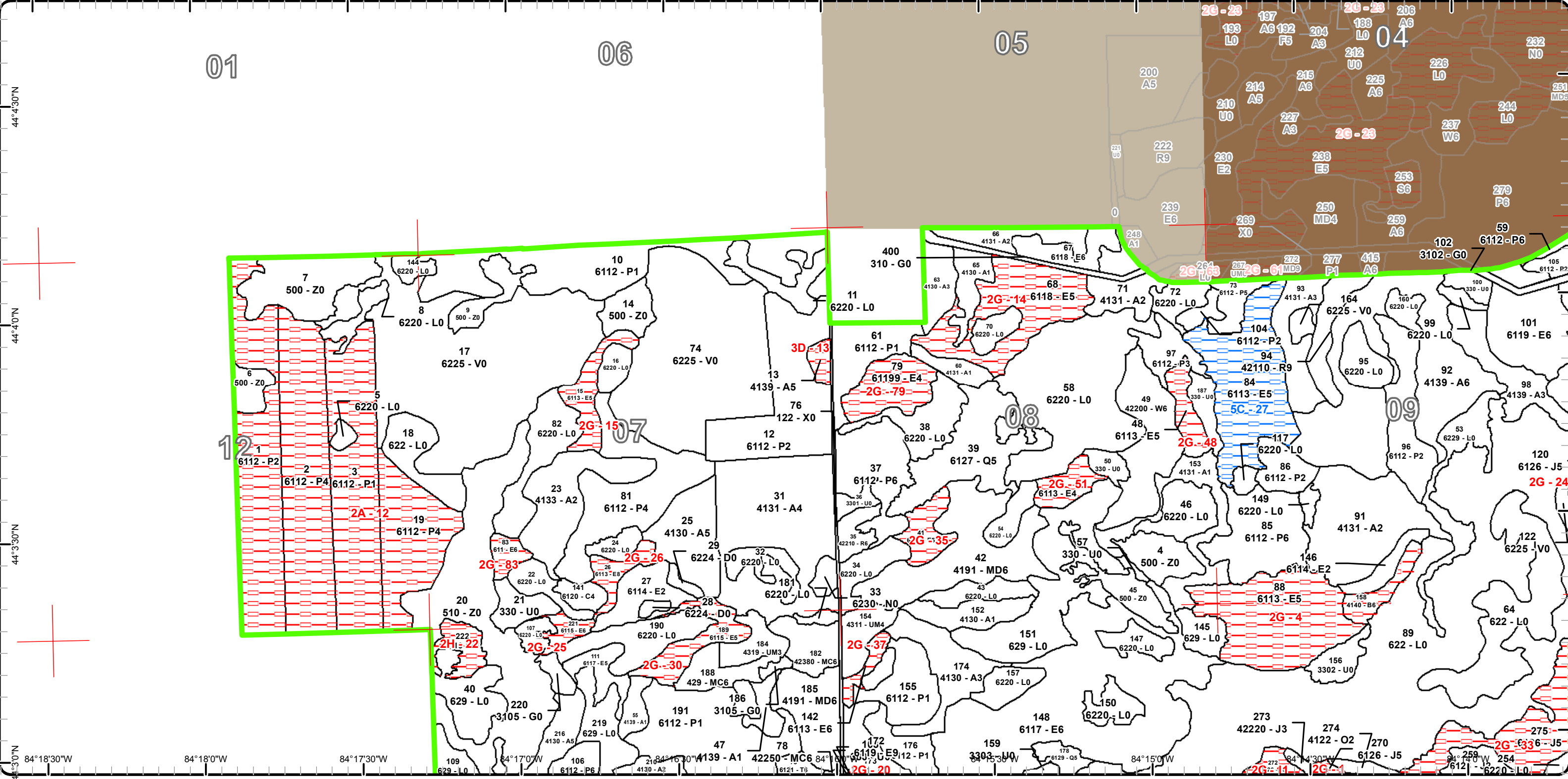


Special Conservation Areas & Site Conditions Map

Compartment: 46
 T19N R 01E 12,13
 T19N R02E 03, 07-10, 14-18
 county:
 Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YOE: 2017
 Acres: 5735 GIS Calculated
 Examiner: Rick Myrick
 Map Revised: 6/11/2015
 Map Phase: Pre-Review



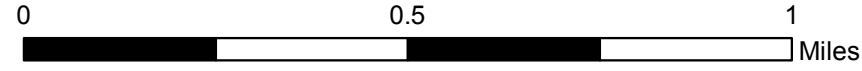
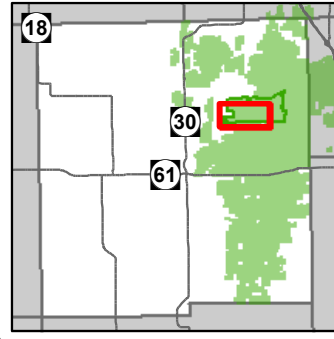
- Miris Corners
- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
- 2A: Adjacent landowner denied access
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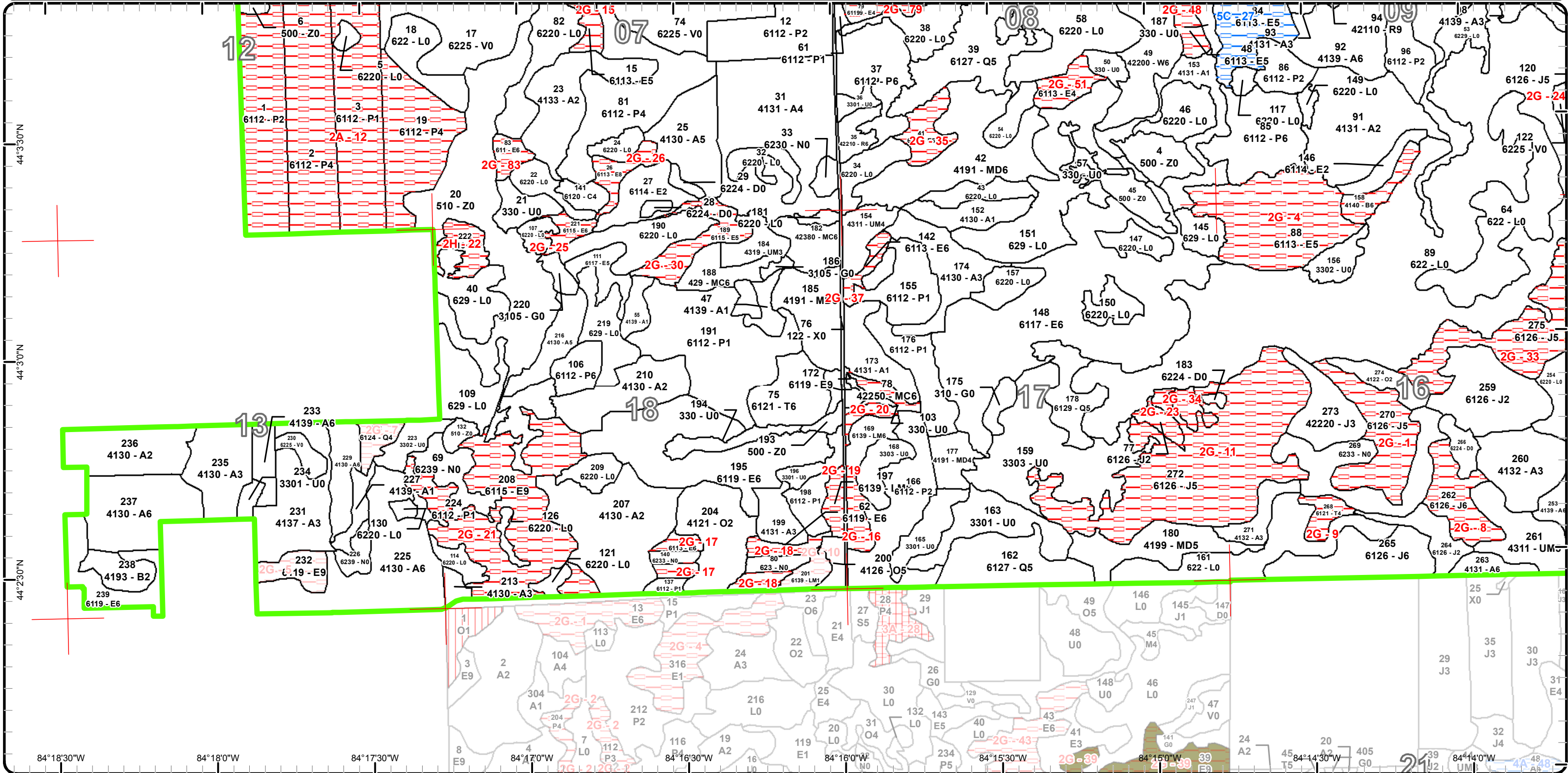
44°30'N 84°18'30"W 84°18'0"W 84°17'30"W 84°17'0"W 84°16'30"W 84°16'0"W 84°15'0"W

Special Conservation Areas & Site Conditions Map

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T19N R 01E 12,13
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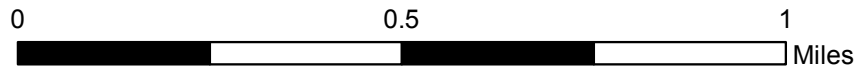
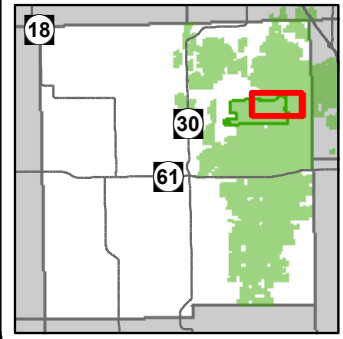


- Miris Corners
- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
 - 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
 - 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Special Conservation Areas

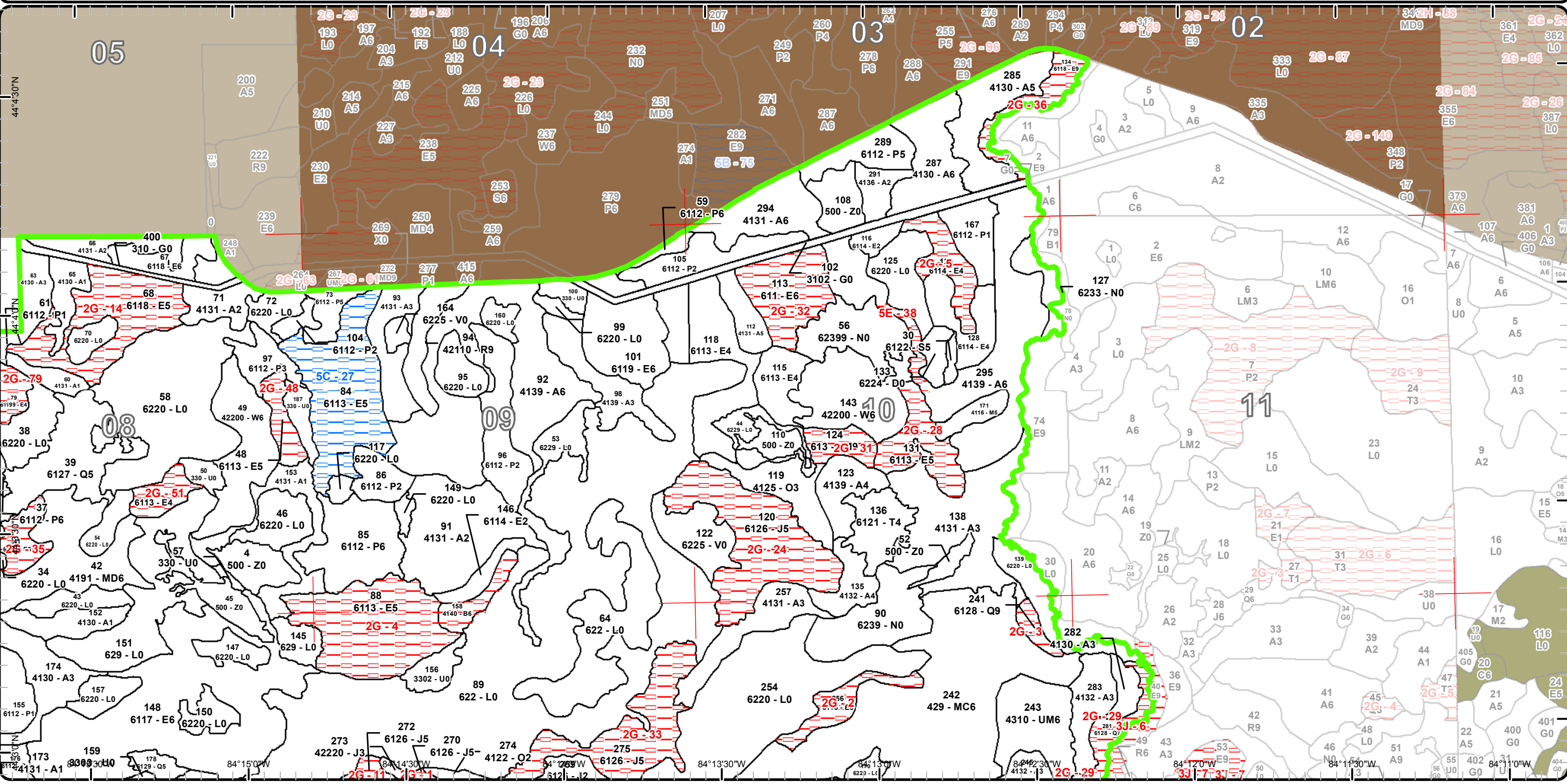


Special Conservation Areas & Site Conditions Map

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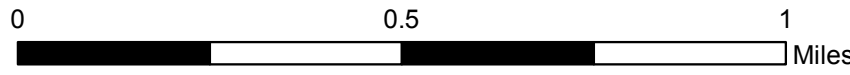
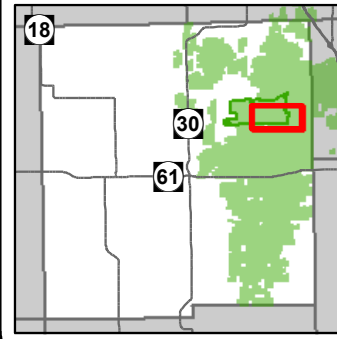


- Miris Corners
- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
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- Special Conservation Areas
- Dedicated Management Areas
- Wildlife Management Areas

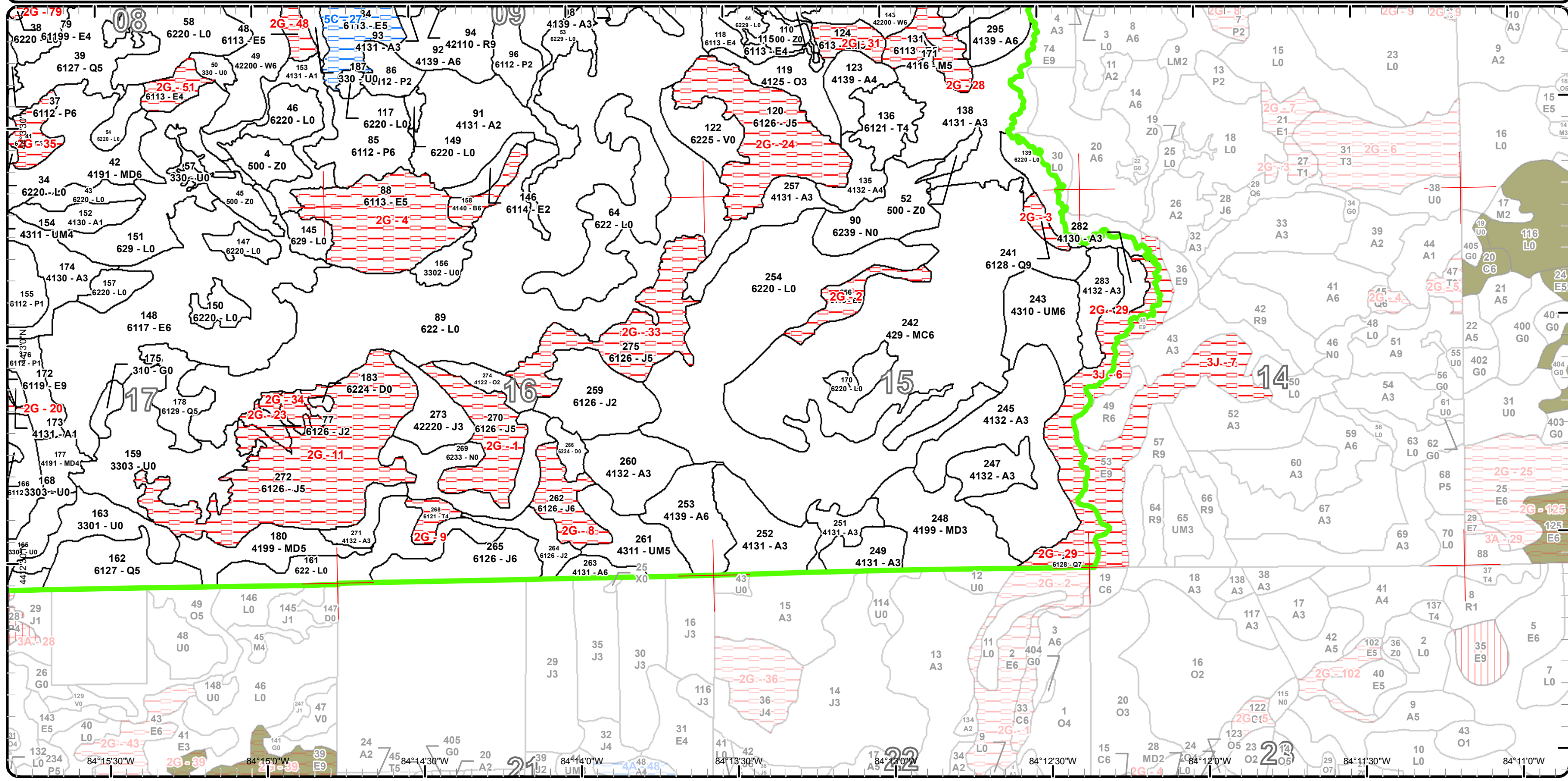


Special Conservation Areas & Site Conditions Map

Compartment: 46
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- Miris Corners
- Stand Boundaries
- Site Condition
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- Unavailable
- Available Factors W/ Constraints
 - 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
 - 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Special Conservation Areas



Report 1 – Total Acres by Cover Type and Age Class

Gladwin Mgt. Unit

Compartment 46

Year of Entry 2017

Rick Myrick : Examiner



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	180	98	511	217	205	0	0	4	0	0	0	0	0	0	0	0	0	1215
Bog	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	262
Cedar	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Jack Pine	0	11	59	26	0	18	55	179	0	0	0	0	0	0	0	0	0	0	348
Low-Density Trees	161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161
Lowland Aspen/Balsam Poplar	0	160	130	131	108	191	0	0	0	0	0	0	0	0	0	0	0	0	720
Lowland Conifers	0	0	0	0	80	0	0	6	0	0	0	43	0	0	0	0	0	0	129
Lowland Deciduous	0	0	19	7	192	63	51	40	85	95	69	0	0	0	0	0	0	160	781
Lowland Mixed Forest	0	0	0	5	0	0	5	14	9	0	0	0	0	0	0	0	0	0	33
Lowland Shrub	1071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1071
Lowland Spruce/Fir	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Marsh	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119
Mixed Upland Deciduous	0	40	0	48	47	0	0	0	0	0	0	0	0	0	0	0	0	10	145
Natural Mixed Pines	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Northern Hardwood	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Oak	0	37	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	5	61
Paper Birch	0	0	0	9	0	8	0	0	0	0	0	0	0	0	0	0	0	0	17
Red Pine	0	0	0	0	0	0	13	7	0	0	0	0	0	0	0	0	0	0	20
Tamarack	0	0	0	0	6	0	37	0	0	0	0	0	0	0	0	0	0	0	43
Treed Bog	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Upland Conifers	0	0	0	0	0	12	181	0	11	0	0	0	0	0	0	0	0	0	204
Upland Mixed Forest	0	0	0	9	28	22	10	0	0	0	0	0	0	0	0	0	0	0	69
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Water	191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	191
White Pine	0	0	0	0	0	0	0	32	0	35	0	0	0	0	0	0	0	0	67
Total	1860	428	306	746	697	521	363	278	109	130	74	43	0	0	0	0	0	175	5730



Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2017

Acres of Harvest

Compartment 46

Total Compartment Acres: 5,735

Commercial Harvest - 0
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 51

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	269	0	0	0	0	0	0	0	0	269
Lowland Aspen/Balsam Poplar	3	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	38	0	0	0	38
Mixed Upland Deciduous	10	0	0	0	0	0	0	0	0	10
Northern Hardwood	0	7	0	0	0	0	0	0	0	7
Red Pine	0	13	0	0	0	0	0	0	0	13
Upland Conifers	181	0	0	0	0	0	0	0	0	181
Upland Mixed Forest	10	0	0	0	0	0	0	0	0	10
White Pine	0	0	0	0	0	22	0	0	0	22
Total	473	20	0	0	0	60	0	0	0	553

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	553	0	0	0	0	0	61	0	10	624
Next Step	0	41	20	0	0	0	522	10	0	592
Total	553	41	20	0	0	0	583	10	10	1216



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	73046031-Cut	70.1	4131 - Aspen, Oak	Poletimber Poor	36	51-80	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Clear cut all species 2" and greater. Do not cut any conifer. Green mark to retain some aspen, oak, and maple species.

Specs:

Next Step

Treatments:

Acceptable Regen: A medium stocked stand is acceptable regeneration given the presence of natural openings and some wet pockets throughout the stand.

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016

39	73046039-Cut	37.7	6127 - Lowland Pine	Poletimber Medium	36	81-110	Harvest	Low Thinning	612 - Lowland Coniferous Forest	Two-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Thin from below. Mark to leave best tree in place.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016

47	73046047-Monitor	5.7	4139 - Aspen, Mixed Deciduous	Sapling Poor	8	Unspecified	Monitoring	Natural Regen (Intermediate)	42121 - Planted Jack Pine, Mixed Deciduous	Two-Aged	Proposal
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Habitat Cut: Yes

Site Condition:

Prescription Stand was mechanically seeded to jack pine on March 25, 2014 per FTP C73-905. Monitor jack pine for generation within the aspen mixed deciduous stand in 4 years.

Next Step

Treatments:

Acceptable Regen: Moderately stocked jack pine mixed within aspen and mixed deciduous species will be acceptable. mixed

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016

49	73046049-Cut	22.1	42200 - Natural White Pine	Poletimber Well	60	51-80	Harvest	Low Thinning	4220 - Natural White Pine	Two-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Thin from below. Mark to leave best tree in place.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other Comment: Old next step comments:

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
55	73046055-Monitor	5.6	4139 - Aspen, Mixed Deciduous	Sapling Poor	8	Unspecified	Monitoring	Natural Regen (Intermediate)	42121 - Planted Jack Pine, Mixed Deciduous	Two-Aged	Proposal

Habitat Cut: Yes **Site Condition:**

Prescription Jack pine was mechanically seeded to this stand on March 25, 2014. Monitor mechanically seeded jack pine for generation within the aspen and
Specs: mixed deciduous species.

Next Step
Treatments:

Acceptable A medium stocked stand of mixed jack pine and aspen with mixed deciduous will be acceptable.
Regen:

Other FTP for the mechanical seeding that was completed is C73-905. Stand should be monitored for jack pine generation by April 25, 2018. Old next
Comment: step comments:

Proposed Start Date: 10/1 /2016

59	73046059-Cut	3.0	6112 - Lowland Aspen	Poletimber Well	41	Unspecified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Proposal
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Habitat Cut: No **Site Condition:**

Prescription Cut all species 2" and greater. Green mark a few trees for retention. Do not green mark any retention trees within 33 feet of the center line of
Specs: Sterling Truck Trail.

Next Step
Treatments:

Acceptable A medium to fully stocked aspen stand with some mixed deciduous will be acceptable.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

65	73046065-Monitor	9.5	4130 - Aspen	Sapling Poor	3	Immature	Monitoring	Natural Regen (Intermediate)	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: Yes **Site Condition:**

Prescription Monitor for regeneration four years after TCR.
Specs:

Next Step
Treatments:

Acceptable A medium stocked aspen stand mix with some other deciduous will be acceptable.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

92	73046092-Cut	79.4	4139 - Aspen, Mixed Deciduous	Poletimber Well	43	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No **Site Condition:**

Prescription Cut all species 2" and greater. Green mark a few larger oak and a few small clumps of aspen. Do not cut any white pine or green painted trees.
Specs: Utilize grouse drumming spec.

Next Step
Treatments:

Acceptable A medium to fully stocked stand of aspen mixed with some white pine will be acceptable.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016



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
94	73046094-Cut	13.0	42110 - Planted Red Pine	Sawtimber Well	55	141- 170	Harvest	Single Tree Selection	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Manage for size diversity and openings. Remove volume down to 90-110 BA.

Specs:

Next Step

Treatments:

Acceptable Medium stocked red pine mixed deciduous forest is acceptable.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

152	73046152- Monitor	11.5	4130 - Aspen	Sapling Poor	8	Unspec ified	Monitoring	Natural Regen (Intermediate)	42121 - Planted Jack Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: Yes**Site Condition:**

Prescription

Specs:

Next Step

Treatments:

Acceptable A medium stocked mix of planted jack pine, aspen and other mixed deciduous species will be acceptable.

Regen:

Other Percent to Treat = 100% Old next step comments:

Comment:

Proposed Start Date: 4 /25/2018

154	73046154-Cut	10.4	4311 - Pine, Aspen Mix	Poletimber Poor	55	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all species 2" and greater. No retention in order to fully sanitize site of invasive autumn olive.

Specs:

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

Treatments:

Acceptable Medium to fully stocked planted red pine is acceptable.

Regen:

Other Eliminate autumn olive by any number of means including but not limited to such methods as roller chopping and/or herbicide treatment. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

163	73046163.4_M onitor	19.6	3301 - Low Density Deciduous Trees	Nonstocked		Unspec ified	Monitoring	Natural Regen (Intermediate)	6119 - Mixed Lowland Deciduous Forest	Unspecified	Draft Field Boundary
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Habitat Cut: Yes**Site Condition:**

Prescription

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other The area is a matrix of upland and lowland. Therefore, rutting could be a problem so harvest in dry or frozen conditions. The stand, because of the wet areas, may be reduced in size significantly. Old next step comments: The stand is expected to regenerate naturally to a mixture of aspen, oak and maple.

Proposed Start Date: 9 /11/2017



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
168	73046168-Monitor	8.9	3303 - Mixed Low Density Trees	Nonstocked		Unspecified	Monitoring	Artificial Regen(1yr)	4122 - Oak, Pine	Even-Aged	Draft Field Boundary
Habitat Cut: Yes		Site Condition:									
<u>Prescription</u> Monitor red pine planting within one year.											
<u>Specs:</u>											
<u>Next Step</u> ; Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> A medium stocked of oak and pine will be acceptable.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100% Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 6 /12/2015											
171	73046171-Cut	6.7	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	59	1-50	Harvest	Group Selection	4116 - Mixed N. Hardwood - Aspen	Two-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Spec cut all aspen 2" or greater. Harvest at the same time as Stand 295.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of red maple, aspen and some conifer will be acceptable.											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
175	73046175.1_N F	4.8	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		Draft Field Boundary
Habitat Cut: Yes		Site Condition:									
<u>Prescription</u> Stand to be maintained as a wildlife opening by Wildlife Division. Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, application of lime, application of herbicide and mowing.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 12/30/1899											
177	73046177-Cut	9.6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	35	1-50	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all species 2" and greater. Green mark some larger white oak in clumps for retention.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Trenching; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Other											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of planted red pine with white oak and some other mixed deciduous species will be acceptable.											
<u>Regen:</u>											
<u>Other</u> Interplant red pine among retained white oak. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 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
186	73046186.3_N F	1.5	3105 - Mixed Upland Herbaceous	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		Draft Field Boundary

Habitat Cut: Yes**Site Condition:**

Prescription Stand to be maintained as a wildlife opening by Wildlife Division. Treatments may include: cultivating, planting of annual cover types, planting of
Specs: perennial cover types, application of lime, application of herbicide and mowing.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2011

220	73046220.6_N F	3.7	3105 - Mixed Upland Herbaceous	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		Draft Field Boundary
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Habitat Cut: Yes**Site Condition:**

Prescription Stand to be maintained as a wildlife opening by Wildlife Division. Treatments may include: cultivating, planting of annual cover types, planting of
Specs: perennial cover types, application of lime, application of herbicide and mowing.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 12/30/1899

242	73046242-Cut	181.1	429 - Mixed Upland Conifers	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clear cut all species 2" and greater. Do not cut any green marked trees. Create three or four large retention islands of approximately 10 - 15
Specs: acres each, where white spruce predominates. These spruce areas are to be retained for thermo-cover and biodiversity. Leave some jack pine
 tops scattered throughout the cut to provide a seed source for regeneration.

Next Step
Treatments:

Acceptable Natural regeneration medium stocked jack pine with mixed conifer and deciduous will be acceptable.
Regen:

Other After the treatment the three or four spruce retention islands will need to be delineated as their own stand type. The rest of the harvested stand is
Comment: expected to regenerate naturally as jack pine with mixed deciduous along with a small percentage of red pine and white spruce. Old next step
 comments:

Proposed Start Date: 10/1 /2016

253	73046253-Cut	27.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	45	141- 170	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Harvest 2" spec clear-cut with retention under dry/frozen conditions. Do not cut any conifer or green painted trees. In addition green mark a few
Specs: larger oaks at the traditional campsite along Secord Dam Rd.

Next Step
Treatments:

Acceptable A fully stocked stand of aspen with mixed deciduous species will be acceptable.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016



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
287	73046287-Cut	21.2	4130 - Aspen	Poletimber Well	44	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Cut all species 2" and greater. Do not cut any conifer or green marked trees. Leave a few small retention islands of aspen. Favor those islands
Specs: that have conifer in the understory. Green mark a few log sized oak if possible.

Next Step
Treatments:

Acceptable Aspen with a mix of some deciduous and conifer will be acceptable.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

295	73046295-Cut	71.3	4139 - Aspen, Mixed Deciduous	Poletimber Well	39	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Cut all species 2" or greater. Do not cut any conifer or paper birch. Create a few retention islands of aspen; favor areas with heavy conifer
Specs: understory.

Next Step
Treatments:

Acceptable Aspen with mixed deciduous and conifer will be acceptable regeneration.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

**Total Treatment
 Acreage Proposed: 623.7**

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 46
Year of Entry: 2017

Dominant Site Conditions

	2G	2H	3D	3J	5B	5C	5E
Aspen	1		4		0	0	5
Bog							
Cedar	0						
Herbaceous Openland							
Jack Pine	260						
Low-Density Trees	0					0	
Lowland Aspen/Balsam Poplar	0					0	
Lowland Conifers	35			14			
Lowland Deciduous	380	9				51	
Lowland Mixed Forest	27						
Lowland Shrub	1	0				0	
Lowland Spruce/Fir							
Marsh	0						
Mixed Upland Deciduous							
Natural Mixed Pines	0						
Northern Hardwood							
Oak	1						
Paper Birch	8						
Red Pine							
Tamarack	6						
Treed Bog	0						
Upland Conifers	0						
Upland Mixed Forest	0						
Urban	0						
Water		0					
White Pine	0						
Total Forested Acres	719	9	4	14	0	51	5
Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	Unspecified	Unspecified	Unspecified	Unspecified

Report 5 – Site Conditions

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Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

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Rick Myrick : Examiner

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7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	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)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	105	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2A: Adjacent landowner denied access	229	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

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Rick Myrick : Examiner

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13	Unavailable	3D: Recreational / Scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments: True swamp. Very wet. Emerald Ash Borer infestation. 80% mortality of ash component..							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 46
Year of Entry: 2017

19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	76	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 46
Year of Entry: 2017

25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Ash was selectively harvested from this stand in 2012. BA is now around 80. Hold for ten years to reevaluate.							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

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Rick Myrick : Examiner

Compartment: 46
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31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 46
Year of Entry: 2017

37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
79	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
83	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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



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

Conservation Area	Type	Description
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6112 - Lowland Aspen	Sapling Medium	62.1	28	1-50	Highly variable stand. Habitat cut in 1987. Pockets of somewhat dense aspen intermixed with many open areas of GO or LO. Difficult access issues. May not be feasible for commercial harvest. Allowable access through private unknown.
2	6112 - Lowland Aspen	Poletimber Poor	67.6	42	1-50	Stand was habitat cut in 1973 by D7. A few aspen clones with overall very poor stocking. If habitat cut again, leave all conifer. Difficult access issues. May not be feasible for commercial harvest. Allowable private access unknown.
3	6112 - Lowland Aspen	Sapling Poor	61.3	28	1-50	This stand was habitat cut in 1987. Patchy regeneration. Difficult access issues. May not be feasible for commercial harvest. Allowable private access unknown.
10	6112 - Lowland Aspen	Sapling Poor	59.2	38	1-50	Habitat cut in 1977. Decadent and poor form aspen. Very poor stocking. Patchy, sparse. Numerous fingers and bowls of alder/willow inclusions.
12	6112 - Lowland Aspen	Sapling Medium	49.9	18	Immature	CC 1997. A3 areas with some open areas. Stand has a number of tag alder pockets. Stand looks good overall.
13	4139 - Aspen, Mixed Deciduous	Poletimber Medium	3.6	75	1-50	Traditional hunting camp area. Retained during 1997 harvest of stand 12.
15	6113 - Lowland Maple	Poletimber Medium	12.7	90	1-50	Total mortality of the ash component due to emerald ash borer infestation. Standing dead ash appears to have made up at least one half of the stand volume prior to EAB. Too wet for treatment. Low volumes and poor quality. Leave as mature timber.
19	6112 - Lowland Aspen	Poletimber Poor	37.6	42	1-50	Highly variable stand. Aspen pockets with numerous openings. Poor form aspen in general. Difficult access issues. May not be feasible for a commercial harvest. Allowable private access unknown. An option may be freezing in a road off the two track in Stand 27 and working north and west to eventually create access to Stands 1, 2, 3, and 19 for hunting, recreation and harvest.
23	4133 - Aspen, Mixed Pine	Sapling Medium	29.8	27	Immature	
25	4130 - Aspen	Poletimber Medium	24.7	27	Immature	Some aspen is growing off-site and is showing early signs of decadence.
26	6113 - Lowland Maple	Sawtimber Medium	7.7	90	1-50	Too wet to treat. Stand is very wet. Almost 100% ash mortality due to EAB infestation. Infestation has reduced stand make-up by about 50%.
27	6114 - Lowland Oak	Sapling Medium	14.1	18	Immature	CC 1997. Very little aspen regen.
30	6122 - Black Spruce	Poletimber Medium	2.2	40	51-80	A small stand of predominately black spruce.

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Gladwin Mgt. Unit

Report 8 – Forested Stands

Compartment: 46
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4131 - Aspen, Oak	Poletimber Poor	70.2	36	51-80	Numerous openings. Medium density. Possible early harvest.
35	42210 - Natural Red Pine	Poletimber Well	6.6	60	141-170	
37	6112 - Lowland Aspen	Poletimber Well	26.2	36	Unspecified	
39	6127 - Lowland Pine	Poletimber Medium	36.5	36	81-110	Overall the white pine appears to be natural, particularly to the west, however there are some areas that appear to have been planted along high sandy ridges. The stand is generally low and hummocky with a few upland sand knolls.
41	6113 - Lowland Maple	Poletimber Medium	10.5	80	1-50	True swamp. Some pockets of white pine and cedar. Too wet to treat. Factor limit.
42	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	46.8	36	51-80	Alder/willow scattered in a few small pockets.
47	4139 - Aspen, Mixed Deciduous	Sapling Poor	5.7	8	Unspecified	The stand is heavily browsed by deer. This stand was mechanically seeded to jack pine on March 25, 2014. FTP C73-905
48	6113 - Lowland Maple	Poletimber Medium	9.4	90	51-80	Very wet lowland hardwood stand. Primarily red maple as the ash has been infested with emerald ash borer, with 100% mortality. Scattered younger aspen poles and paper birch make up the rest of the component. A dense understory of white pine saplings dominate beneath the canopy. Stand has been previously and is currently factor limited as too wet to treat.
49	42200 - Natural White Pine	Poletimber Well	32.2	60	51-80	This is a white pine dominated stand. There appears to be some variation in age groups among the pine but the stand is predominately poles. A sub-canopy of white pine saplings make up the understory. The density varies from low to high.
51	6113 - Lowland Maple	Poletimber Poor	9.0	85	1-50	Observed stand from across stand 50. Earlier OI notes indicate that it was painted out of a sale last YOY. E5 with maple and some aspen clones. Too wet for harvest. Previously and currently factor limited.
55	4139 - Aspen, Mixed Deciduous	Sapling Poor	5.6	8	Unspecified	The stand is heavily browsed by deer. This stand was mechanically seeded to jack pine on March 25, 2014.
59	6112 - Lowland Aspen	Poletimber Well	3.0	41	Unspecified	This stand has been cut out of stand 105 after the pre-review on June 10, 2015 in order include it in the clear cut with reserves in stand 279 of Compartment 41.
60	4131 - Aspen, Oak	Sapling Poor	6.4	25	Immature	
61	6112 - Lowland Aspen	Sapling Poor	19.0	18	Immature	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	8.9	75	81-110	Ash is infested with EAB. Much standing dead ash and elm. Factor limit. Too wet.
63	4130 - Aspen	Sapling Well	10.4	25	Immature	Clear cut in 1990.
65	4130 - Aspen	Sapling Poor	9.5	3	Immature	
66	4131 - Aspen, Oak	Sapling Medium	10.9	18	1-50	Good to poor aspen regen, some pockets of nice oak regen as well.
67	6118 - Lowland Deciduous with Cedar	Poletimber Well	10.3	60	51-80	Stand is very wet, probably too wet for a comercial harvest. Emerald Ash Borer infestation. Not all ash is dead however, there is about 75% mortality.
68	6118 - Lowland Deciduous with Cedar	Poletimber Medium	39.6	90	81-110	Majority of the stand is a true swamp. Very wet. Factor limit. Emerald Ash Borer infestation. 80% ash mortality. Ash used to make up approximately 50% of the stand prior to infestation.
71	4131 - Aspen, Oak	Sapling Medium	15.2	3	Immature	Recently clear cut with reserves. Good regen. Some small pockets of lowland brush.
73	6112 - Lowland Aspen	Poletimber Medium	7.8	43	51-80	
75	6121 - Tamarack	Poletimber Well	19.8	50	81-110	The stand is hummocky and wet.
77	6126 - Lowland Jack Pine	Sapling Medium	9.0	17	Unspecified	This area is a leatherleaf bog that now has an overstory of seedling and sapling jack pine.
78	42250 - Pine, Oak	Poletimber Well	4.3	50	81-110	
79	61199 - Lowland Hardwood (OI)	Poletimber Poor	18.9	85	1-50	Formerly ash swail, 1-2 stick ash over LO. EAB is in the area. So only red maple will be available. However, stand is too wet to treat. Previously factor limited.
81	6112 - Lowland Aspen	Poletimber Poor	43.8	40	1-50	OPIC - FMD: D7 habitat cut in 1975. Very poor stocking.
83	611 - Lowland Deciduous Forest	Poletimber Well	5.1	83	51-80	OPIC - FMD: ash and maple over swamp grass and ZO along with a few overmature aspen. Previously and currently factor limited as too wet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
84	6113 - Lowland Maple	Poletimber Medium	51.2	80	51-80	The stand is low and wet and there appears to be some sort of drainage in the stand that shows up on DOQ but not on the ground. Ash was selectively harvested from the stand in 2012. Density is not high enough to prescribe at this time. Hold for ten more years and reevaluate. BA should not be brought below 80 because of wind throw potential. The stand already has a fair amount of wind throw near the edge of the clearcut. Also a contributing factor to the wind throw is the present of armolarria root rot on the older trees. The stand should regenerate well naturally.
85	6112 - Lowland Aspen	Poletimber Well	31.1	43	51-80	Many areas are true swamp with butt swell and moss at the base on all species, including aspen. Aspen showing symptoms of decadence; poor form, some shelf fungus starting. The stand it is quite variable having pockets of L-Type mixed with wet swales and dry knolls.
86	6112 - Lowland Aspen	Sapling Medium	10.4	17	Immature	
87	6113 - Lowland Maple	Poletimber Well	5.8	75	111-140	
88	6113 - Lowland Maple	Poletimber Medium	51.8	79	1-50	This stand is low and wet and used to be heavy to ash. EAB infestation has caused much of the ash to die out. The ground cover in the stand is heavy to tag alder and michigan holly. There is some pole and log sized aspen, but it is becoming decadent and is dying out as well. The stand was previously and is currently factor limited as too wet.
91	4131 - Aspen, Oak	Sapling Medium	45.3	23	Immature	Series of wide undulating ridges and swales.
92	4139 - Aspen, Mixed Deciduous	Poletimber Well	79.4	43	81-110	Mostly upland. Good quality aspen, but overall dbh seems less than could be expected for a stand this age. Suggest holding for 10 more years.
93	4131 - Aspen, Oak	Sapling Well	17.6	14	Immature	Clear cut in 2000 the stand has regenerated to a mix of aspen, maple and oak. Overall the aspen is in the highest quantity in number of stems but as the stand ages other species may become more domianate as the aspen goes through natural thinnings..
94	42110 - Planted Red Pine	Sawtimber Well	13.0	55	141-170	In Sept. 2000 all the hardwood was removed from the red pine. The stand is on a droughty Rubicon sand ridge that drops off quickly to the east and west.
96	6112 - Lowland Aspen	Sapling Medium	24.0	14	Immature	Mostly lowland with upland knolls. Regen spotty.
97	6112 - Lowland Aspen	Sapling Well	10.2	3	Immature	Recently harvested. Very good regen. Low areas of marsh grass and lowland brush. Bracken fern on the upland ridge.
98	4139 - Aspen, Mixed Deciduous	Sapling Well	20.0	24	Immature	The stand is regenerating well with pockets of E3 in depression and on the ridges and upland A3O2. There should be some larger poles in the stand next YOE. Also in the stand are small pockets of L-Type.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
101	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	31.7	42	81-110	Some parts of the stand have very good red maple regeneration. Emerald Ash Borer infestation. 100% mortality. Ash probably made up about 30% of the stand before EAB. Most of the aspen looks healthy. Hold for ten more years then remove all aspen and consider an early removal of maple as well. Stand is very wet in place. Dry frozen spec. will be necessary.
104	6112 - Lowland Aspen	Sapling Medium	4.0	3	Immature	Recently harvested. Good regen. for such a small stand. A few open pockets of marsh grass. Deer browse mostly on the red maple saps.
105	6112 - Lowland Aspen	Sapling Medium	26.4	14	Immature	Clear-cut in 2000 and has regenerated to a level 2 stocking of aspen. The lowland aspen has patchy regeneration; other areas has filed with pockets of tag alder.
106	6112 - Lowland Aspen	Poletimber Well	9.3	31	51-80	2010 inventory notes indicate that the stand is moving toward poles. The stand is approximately 80% aspen S/P and 20% red maple S/P; all 4" dbh average. Currently there is some natural thinning taking place.
111	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	8.5	35	51-80	
112	4131 - Aspen, Oak	Poletimber Medium	9.7	39	1-50	OI notes indicate the mix is fairly even between trembling aspen and black oak.
113	611 - Lowland Deciduous Forest	Poletimber Well	27.5	178	51-80	Overall the stand is wet and the stand is wetter from north to south. Too wet to access.
115	6113 - Lowland Maple	Poletimber Poor	13.8	50	1-50	Emerald Ash Borer infestation. 100% ash mortality. Much blow down from a previous flooding.
116	6114 - Lowland Oak	Sapling Medium	4.5	14	Immature	OI notes indicate that the stand was cut in 2000 and has regenerated as a medium stocked oak stand. It is really sparse in the west end becoming fully stocked in the east end. The trees are a mix fo black, red, and white oak with some aspen clones and a few maples. The ground is very hummocky and wet.
118	6113 - Lowland Maple	Poletimber Poor	30.3	60	51-80	A Chapter 7 was filed and additional ash removed as a supplement to the Hard Luck Sale 73-013-08-01. Treatment completed fall of 2012. Some areas are very wet with thick portions of marsh grass as the forest floor.
119	4125 - Black, N. Pin Oak	Sapling Well	18.6	34	81-110	
120	6126 - Lowland Jack Pine	Poletimber Medium	54.9	54	51-80	Very wet with bog areas of leather leaf and blueberry.
123	4139 - Aspen, Mixed Deciduous	Poletimber Poor	14.5	39	1-50	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
124	613 - Lowland Mixed Forest	Sawtimber Well	9.4	79	81-110	OPIC - FMD: The stand is on the molasses river flood plain. The ground is spongy and wet all year round. The trees on the plain are large and very shallow rooted. There are many wind throws in the stand. Factor limit. Too wet.
128	6114 - Lowland Oak	Poletimber Poor	16.1	40	1-50	Appears to be a 4" clear cut completed with Stand 167. Stand treatment completed in summer 2012.
129	6114 - Lowland Oak	Poletimber Poor	15.1	40	1-50	Appears to have been a 4" clear cut that occurred the same time as the harvest in Stand 167 (2012).
131	6113 - Lowland Maple	Poletimber Medium	19.9	59	1-50	This stand is a long wet swale. Much of the larger overstory trees are now die off and have mainly a pole maple stand. EAB infestation. Numerous standing dead ash. Marsh grass as the forest floor.
134	6118 - Lowland Deciduous with Cedar	Sawtimber Well	12.7	99	Unspecified	2014 notes: This stand is the Molasses River flood plain. The edges of the plain are bordered by steep banks. On the inclines the stand is heavy to aspen, maple and oak. The flood plain is mainly ash, red maple, with some pockets of cedar.
135	4132 - Aspen, Jack Pine	Poletimber Poor	11.4	22	1-50	The stand has a mix regeneration of aspen, black oak, and tamarack. There is also pockets of tag alder in the stand.
136	6121 - Tamarack	Poletimber Poor	16.8	54	51-80	
137	6112 - Lowland Aspen	Sapling Poor	2.6	8	Immature	The regeneration in the stand is patchy. Noted fairly heavy deer browse. Wet.
138	4131 - Aspen, Oak	Sapling Well	51.8	23	Immature	The stand is regenerating to a light A3 with the species mix of trembling and bigtooth aspen, pin cherry, white pine and black oak. The stand has some very dry areas having the ground cover sweet fern and raindeer moss and the wet areas of tag alder.
141	6120 - Lowland Cedar	Poletimber Poor	5.3	90	1-50	
142	6113 - Lowland Maple	Poletimber Well	4.7	55	51-80	EAB infestation. 100% ash mortality. A drain runs along the SE edge of the stand. The stand is too wet to treat. Factor limit.
143	42200 - Natural White Pine	Poletimber Well	34.9	86	51-80	The stand has been impacted in the past by a beaver flooding which is now no longer holding water. There is weevil damage evidence within the stand.
146	6114 - Lowland Oak	Sapling Medium	6.6	23	Immature	The majority of the stand is growing in and among blueberry bog and lowland brush.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
148	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	124.9	31	Unspecified	The stand is made up of well stocked multiple branching ridges of mostly aspen and oak with medium stocked lower plains of all other species. There are numerous inclusions of lowland shrubs in the stand.
152	4130 - Aspen	Sapling Poor	12.3	8	Unspecified	The stand is a mixture of upland and lowland . The stand was machine seeded with jack pine on 03/25/2014.
153	4131 - Aspen, Oak	Sapling Poor	22.3	25	1-50	Scattered pockets of aspen clones with the largest pocket being at the north end. Stand follows a high sand ridge surrounding an alder/willow area in the middle.
154	4311 - Pine, Aspen Mix	Poletimber Poor	10.4	55	1-50	The stand is sparse and has had autumn olive planted in it. The overstory is in patches.
155	6112 - Lowland Aspen	Sapling Poor	18.8	8	Unspecified	Patchy regeneration coming in through marsh grass. In addition, the regeneration is being heavily browsed.
158	4140 - Other Upland Deciduous	Poletimber Well	8.2	45	51-80	Unique upland ridge of almost pure paper birch.
162	6127 - Lowland Pine	Poletimber Medium	27.7	30	Immature	Mostly wet with lowland brush and leatherleaf. There are some areas ground covered with a mix of bracken fern and leatherleaf.
166	6112 - Lowland Aspen	Sapling Medium	34.1	8	Immature	Although regeneration is patchy in places, the overall stand appears to be coming back well.
167	6112 - Lowland Aspen	Sapling Poor	13.4	3	Immature	Stand treatment completed in summer 2012. Aspen started to fill in.
169	6139 - Mixed Lowland Forest	Poletimber Well	14.1	66	51-80	Aspen decadent.
171	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	6.7	59	1-50	Emerald Ash Borer infestation. 100% ash mortality. Ash used to make up about 50% of the stand component. Most of the maple are pole sized. Aspen looks good.
172	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	6.9	85	51-80	The stand is at the base of a ridge. Much ash infested with emerald ash borer. Factor limited as Too Wet. 2G-20.
173	4131 - Aspen, Oak	Sapling Poor	15.5	8	Unspecified	The stand was harvested last YOE and the regeneration is variable. There are some areas that are well stocked and areas that are very poorly stocked.
174	4130 - Aspen	Sapling Well	25.2	24	Unspecified	The stand is on a ridge that drops down into lowland. However most to the stand is upland.
176	6112 - Lowland Aspen	Sapling Poor	18.6	8	Unspecified	The stand is wet and the regeneration is patchy. There are areas of thick regeneration and areas of no regeneration.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
177	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	9.6	35	1-50	A decent stand of white oak filling in. A dry sandy knoll tapering off to hummocky wet ground along the perimeter.
178	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	15.8	30	Unspecified	This stand is very hummocky but most to the stand is upland though just barely. The jack pine in the stand is open grown and has a poor form, the tamarack, on the other hand, has good growth and fair to good form.
180	4199 - Other Mixed Upland Deciduous	Poletimber Medium	23.3	24	1-50	
182	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	12.2	40	51-80	The stand is hummocky but mainly upland.
184	4319 - Mixed Upland Forest	Sapling Well	9.1	24	141-170	The stand is a fine matrix of upland and lowland. The upland appears to be the majority. The terrain is hummocky.
185	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	25.2	27	51-80	The stand is a matrix of upland and lowland with the upland being the majority. The tree species grade from one type to another. There are areas high in tamarack, or aspen, or maple, and there are areas where they are a mixture.
188	429 - Mixed Upland Conifers	Poletimber Well	10.9	71	81-110	This stand is on a ridge. It is heavier to jack pine in the east and white pine in the west. There are areas of tamarack in the stand especially along the northwestern edge.
189	6115 - Lowland Ash	Poletimber Medium	15.1	76	Unspecified	The stand is very wet with the ground cover being marsh grass and tag alder. The oak understory is along the south east side where it starts to become upland. The ash and maple is throughout the stand. Ash is EAB infested. Much standing dead ash. Illegal built wooden blind in middle of stand.
191	6112 - Lowland Aspen	Sapling Poor	57.1	8	Unspecified	The stand is heavily browsed by deer. The regeneration that does exist is variable with patches that are well stocked and patches that are non-stocked. There are also inclusions of lowland shrubs in the stand. A direct seeding treatment per FTP C73-905 was terminated because staff upon arriving to direct seed the stand on March 25, 2014 determined it was regenerating. Staff field inventory on 01/30/2015 confirmed that the stand although patchy is regenerating.
195	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	59.4	30	81-110	The stand is a matrix of upland and lowland with the lowland being the majority. There are areas of lowland shrubs in the stand. The upland areas are heavier to aspen and the lowland areas are heavier to ash, maple, and tamarack.
197	6139 - Mixed Lowland Forest	Poletimber Well	5.2	53	Unspecified	The stand has a significant amount of dead snags. However, the stand is very wet and it is regenerating well on it own. The stand is expected to maintain itself as tamarack.
198	6112 - Lowland Aspen	Sapling Poor	8.0	24	Unspecified	The majority of the stand has patchy regeneration. Some areas are non-forested and wet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
199	4131 - Aspen, Oak	Sapling Well	9.7	24	Unspecified	The stand is a mixture of upland and lowland with the upland being the majority. There are inclusion of lowland shrubs with scattered paper birch and tamarack.
200	4126 - White, Black, N. Pin Oak	Poletimber Medium	4.9	24	1-50	Decent stand of maturing white oak. Low density but openness should stimulate crowning out and increase subsequent main production.
201	6139 - Mixed Lowland Forest	Sapling Poor	5.5	24	Unspecified	The stand is hummocky and rutted when it was harvested. The regeneration is patchy. Stand is very wet.
204	4121 - Oak, Aspen	Sapling Medium	27.9	8	1-50	The stand is upland for the most part. However, there are areas of lowland along the edges. The stand was harvested to 2" DBH except oak which was harvested to 4" DBH. The regeneration in the stand is variable with areas of high and low density. Noted fairly heavy deer browse.
207	4130 - Aspen	Sapling Medium	49.3	24	Unspecified	The stand is hummocky and it is a mixture of upland and lowland with the upland being the majority. There are inclusions of lowland shrubs as well as grassy upland. Autumn olive was planted in the stand along the old skid trails.
208	6115 - Lowland Ash	Sawtimber Well	75.5	68	51-80	The terrain is undulating going from dryer swamp hardwoods to lowland shrubs. There are scattered areas of high density swamp hardwoods sawlogs and areas of medium density regeneration.
210	4130 - Aspen	Sapling Medium	24.4	24	Unspecified	The stand is a fine matrix of upland and lowland and it is difficult to tell if it is upland or lowland. However, it appears that the upland is the majority. The terrain is hummocky so there is a high water table to deal with in the stand.
213	4130 - Aspen	Sapling Well	3.4	24	Unspecified	The stand is regenerating well and should be a good pole stand within 10 years.
216	4130 - Aspen	Poletimber Medium	13.3	31	1-50	The stand is variable with areas that are well stock and areas that are non-stocked. The terrain is hummocky and there are areas that are fairly wet.
221	6115 - Lowland Ash	Poletimber Well	5.2	75	81-110	This stand is low, wet, and hummocky. Factor limit as Too Wet.
222	6113 - Lowland Maple	Poletimber Medium	8.9	75	51-80	2010 Comments: This stand is a mixture of upland and lowland with the lowland being the majority. There is a ridge along the north edge of the stand however it is not large enough to make it a separate stand.
224	6112 - Lowland Aspen	Sapling Poor	1.9	8	Unspecified	The stand is a mixture of upland and lowland with the lowland making up about 55%. The area was harvested but regeneration is patchy and for the most part fairly sparse.
225	4130 - Aspen	Poletimber Well	52.9	43	51-80	The stand is a mixture of upland and lowland with the lowland making up about 20%. The terrain is hummocky.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
227	4139 - Aspen, Mixed Deciduous	Sapling Poor	6.0	8	Immature	The stand was harvested and the regeneration is fair to poor. There is significant browse on the oak, maple and aspen but look like they will survive. The regeneration is patchy. There are wet pockets within the stand.
228	6124 - Lowland Spruce-Fir	Poletimber Poor	6.1	65	Unspecified	The stand is very wet and hummocky.
229	4130 - Aspen	Poletimber Well	12.5	44	51-80	Candidate for early harvest.
231	4137 - Aspen, Birch	Sapling Well	31.9	22	Unspecified	The stand is a mixture of upland and lowland with the upland making up about 75%. The lowland is mainly located along drainages in the stand. The northwest corner of the stand is sparse and has open grown and weeviled white pine instead of aspen. This area is too small and does not have a great enough difference to be made its own stand.
232	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	9.3	89	51-80	The stand is variable with pockets of cattails and areas of dense swamp hardwoods. It is very wet and the terrain is hummocky. The ash component is infested with emerald ash borer. Much standing dead ash.
233	4139 - Aspen, Mixed Deciduous	Poletimber Well	7.5	44	81-110	The stand is a mixture of upland and lowland with the lowland making up about 15%.
235	4130 - Aspen	Sapling Well	22.6	22	Unspecified	
236	4130 - Aspen	Sapling Medium	25.8	8	Unspecified	The stand was harvested but regeneration is patchy most if the regeneration is in the northern 2/3 of the stand. There are inclusions of lowland but they make up only about 20%. Balsam fir and white pine were left along Three Rivers Road as a visual buffer. There is also a narrow depression of swamp hardwood that was thinned in the stand. However, the area is not of sufficient size to be its own stand.
237	4130 - Aspen	Poletimber Well	32.4	31	Unspecified	Some of the area was heavily rutted when the stand was harvested.
238	4193 - Birch, Aspen	Sapling Medium	9.3	22	51-80	The stand is a matrix of upland and lowland with the lowland making up about 40%. The majority of the aspen is in the eastern end of the stand.
239	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	17.4	68	81-110	Ash are infested with emerald ash borer. Much standing dead ash.
241	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	4.6	103	81-110	This is an area between the flood plain and the upper bluff that over looks the Molasses River. The west edge is very steep and drops to a gentle slope. There are numerous springs coming out of the steep bank so on the whole the stand is quite wet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
242	429 - Mixed Upland Conifers	Poletimber Well	181.1	52	51-80	The stand is conglomerate of planted white spruce and volunteer jack pine, red pine and mixed deciduous species. The area had a hand planting of white spruce done in 1963 which are now well into pole size and self pruning. It also has areas of thick jack pine, areas of thick red pine, as well as pockets of aspen and oak regeneration. The areas that are mainly jack pine or aspen should be harvested and the areas of thick spruce should be kept as is for thermo-cover.
243	4310 - Pine, Oak Mix	Poletimber Well	28.2	32	51-80	
245	4132 - Aspen, Jack Pine	Sapling Well	65.6	9	Immature	This stand is regenerating well and filling in heavy with jack pine
247	4132 - Aspen, Jack Pine	Sapling Well	15.5	23	Immature	
248	4199 - Other Mixed Upland Deciduous	Sapling Well	39.9	4	Immature	Timber sale completed November 3, 2011 for this stand. There are some standing older oak poles that helped increase the dbh average of 2 inches. Good regen.
249	4131 - Aspen, Oak	Sapling Well	13.4	23	Immature	The stand has as an overstory of mast oak.
251	4131 - Aspen, Oak	Sapling Well	10.6	9	Immature	The stand was harvested leaving oak 5" DBH and less. It has regenerated fairly well and is now an A3.
252	4131 - Aspen, Oak	Sapling Well	29.2	23	Immature	Ground cover is heavy to bracken fern. The terrain is hummocky and there are areas of upland and lowland. The diameter along the east side is smaller than the rest of the stand. In addition, the stand has a greater amount of jack pine and oak going east.
253	4139 - Aspen, Mixed Deciduous	Poletimber Well	27.1	45	141-170	
256	6113 - Lowland Maple	Poletimber Well	12.2	52	51-80	Low wet stand. Factor limit. Large mature ash used to be over dense red maple sap and poles. However there is now much stand dead log sized ash due to emerald ash borer infestation. The stand is dominated by red maple now.
257	4131 - Aspen, Oak	Sapling Well	20.2	28	Immature	OPIC - FMD: The aspen in the stand is a mixture of bigtooth and trembling. There are other species present in the stand as well being oak and jack pine. It appears when the stand was harvested it was a 4" DBH cut leaving some oak and other species. Overall, the stand is and A3. There are some pockets of G-Type in the stand toward the north end but these were left as part of the stand. In addition, it was noted that the diameter of the trees increase a little going north in the stand.
259	6126 - Lowland Jack Pine	Sapling Medium	32.3	17	Immature	Lowland jack pine. Numerous small boggy areas; leather leaf, peat moss, lowland brush.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
260	4132 - Aspen, Jack Pine	Sapling Well	26.1	17	Immature	The stand has a lot of jack pine along the trail but the interior is heavier to aspen. There are inclusions of low ground throughout the stand but the majority is upland.
261	4311 - Pine, Aspen Mix	Poletimber Medium	22.4	41	1-50	A decent jack pine stand with aspen coming through the conifer crown.
262	6126 - Lowland Jack Pine	Poletimber Well	17.9	45	1-50	The terrain in the stand is hummocky and the soils are wet.
263	4131 - Aspen, Oak	Poletimber Well	6.4	25	Unspecified	OPIC - FMD: This is a well-stocked stand just coming into poles. The species mix is oak, jack pine, and maple.
264	6126 - Lowland Jack Pine	Sapling Medium	10.8	5	Immature	Planted to jack pine 5/2010, FTP C73-806. Jack Pine look healthy and vigorous.
265	6126 - Lowland Jack Pine	Poletimber Well	26.5	28	Immature	The terrain is hummocky and it is a mixture of upland and lowland. Lowland dominates with leatherleaf and lowland brush. A few small pockets of the stand are more mature jack pine and aspen. However these are too small in acreage or BA to be stand alone sale units. Recommend harvest entire stand once all the jack pine reaches maturity at 60 years of age.
268	6121 - Tamarack	Poletimber Poor	6.2	35	1-50	This is a very wet stand of primarily tamarack poles and saps. There are a few older maple and oak standing within the canopy, however, the stand seems to be moving toward younger lowland conifer.
270	6126 - Lowland Jack Pine	Poletimber Medium	28.9	60	1-50	This stand is a J6 island with the ground cover of blueberry and leather leaf surrounded by marsh. It is too wet to harvest. The overstory in many places is dying and being replaced with tamarack. Factor limit. Too wet.
271	4132 - Aspen, Jack Pine	Sapling Well	8.7	28	Immature	The stand was harvested leaving mast oak and trees less than 4" DBH. The stand follows a wide upland sand ridge. Currently the stand is a mixture of aspen and oak regeneration with jack pine. The oak is more pronounced toward the north end and aspen in the south end. The aspen is a mixture of bigtooth and quaking.
272	6126 - Lowland Jack Pine	Poletimber Medium	105.4	60	1-50	This stand is very wet. Some Red Pine is growing at the southern perimeter, near the sand ridge of Stand 180. Factor limit. Too wet.
273	42220 - Natural Jack Pine	Sapling Well	18.2	17	Immature	This stand is an upland sandy ridge surrounded by lowland jack pine stands and marsh.
274	4122 - Oak, Pine	Sapling Medium	8.7	9	Immature	
275	6126 - Lowland Jack Pine	Poletimber Medium	44.2	61	1-50	The stand is very hummocky and wet. Forest floor species of leather leaf and blueberry dominate. There are numerous easterly flows that cross the stand. The overall majority of the stand would be too wet to harvest. Factor limit.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
281	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Poor	38.4	101	51-80	Riparian buffer zone. Wildlife travel corridor. Large pockets of lowland conifer with alternate areas of alder/willow and red maple. Flood plain. Factor limit. Too wet.
282	4130 - Aspen	Sapling Well	6.0	24	Immature	
283	4132 - Aspen, Jack Pine	Sapling Well	15.6	14	Immature	
285	4130 - Aspen	Poletimber Medium	28.2	18	Immature	The stand is mainly uplands. However, it gets noticeable wetter going north. Overall, the regeneration is good but there are some open areas. These areas are mainly along the west edge and in the north end. The tree species are a mixture of quaking and bigtooth aspen, red maple, and oak.
287	4130 - Aspen	Poletimber Well	25.8	44	Unspecified	The stand is a mixture of bigtooth and quaking aspen. The stand is a matrix of uplands and lowlands with the uplands being the majority.
289	6112 - Lowland Aspen	Poletimber Medium	14.3	34	Unspecified	2014 notes indicate: The stand is a matrix of uplands and lowlands with the lowlands being the majority. The tree density is variable going from well stocked to non-stocked. The stand is moving into poles.
291	4136 - Aspen, Mixed Conifer	Sapling Medium	8.2	7	Unspecified	2014 notes indicate: The stand was final harvested in 2007. It is a matrix of uplands and lowlands with the uplands being the majority. When it was harvested the oak and some of the red and white pines were retained.
294	4131 - Aspen, Oak	Poletimber Well	23.8	28	Unspecified	The stand is mainly uplands with some small inclusion of lowlands. The density is variable and goes from high density in the east to moderate to low density to the west. They stand is more aspen east and more oak west.
295	4139 - Aspen, Mixed Deciduous	Poletimber Well	76.4	39	Unspecified	



Stand	Cover Type	Acres	Managed Site	General Comments:
4	500 - Water	12.4	No	OPIC - FMD: LO with scattered pockets of A1 to A3. Ridges mixed oak and aspen. Lower areas mainly LO.
5	6220 - Alder/willow	2.3	No	OPIC - FMD: OI Stand Year Origin was
6	500 - Water	6.8	No	
7	500 - Water	27.6	No	
8	6220 - Alder/willow	6.1	No	OPIC - FMD: OI Stand Year Origin was 1987
9	500 - Water	9.6	No	
11	6220 - Alder/willow	11.4	No	
14	500 - Water	9.8	No	
16	6220 - Alder/willow	5.6	No	
17	6225 - Bog	135.4	No	This stand is mostly a mix of peat moss hummocks with numerous leather leaf, blueberry bog and alder/willow inclusions. There are a few scattered slightly upland plains of less than an acre or two in size where grass predominates. Additionally, there are many historic large red and white pine stumps throughout this area.
18	622 - Lowland Shrub	15.8	No	OPIC - FMD: OI Stand Year Origin was
20	510- Water (OI)	83.0	No	
21	330 - Low-Density Trees	8.7		Stand is currently factor limited as blocked by physical obstacle.
22	6220 - Alder/willow	7.8	No	
24	6220 - Alder/willow	5.1	No	
28	6224 - Treed Bog	1.7	No	
29	6224 - Treed Bog	2.1	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
32	6220 - Alder/willow	7.8	No	
33	6230 - Cattail	3.7	No	
34	6220 - Alder/willow	10.0	No	
36	3301 - Low Density Deciduous Tree	3.6	No	Low with hummocks of bracken fern.
38	6220 - Alder/willow	16.9	No	
40	629 - Mixed non-forested wetland	17.6	No	2010 Comments: The stand is a mixture of upland and lowland. The lowland is the majority only by a little. There is some beaver activity that swayed the call. There is aspen in the southern portion of the stand that are being chewed down by the beaver. The crown closure is less than 15%.
43	6220 - Alder/willow	8.8	No	
44	6229 - Mixed lowland shrub	9.9	No	
45	500 - Water	12.8	No	OPIC - FMD: beaver flooding
46	6220 - Alder/willow	13.4	No	Alder willow wetland.
50	330 - Low-Density Trees	4.5		OI notes indicated that the stand is 18 years old and was an A6 Last YOE. However, no aspen was noted in the stand in 2015. It is filling in with white pine. The ground cover is marsh grass and alder. The stand is very wet.
52	500 - Water	4.2	No	OPIC - FMD: This is a beaver flooding.
53	6229 - Mixed lowland shrub	19.2	No	OIPC: The stand is a large lowland brush type with a scattering of red maple and ash. Some small areas along the edges of the stand are E6 of mainly green and black ash most are less than 1 ac in size.
54	6220 - Alder/willow	7.0	No	
56	62399 - Marsh (OI)	23.1	No	OPIC - FMD: Stand was a beaver flooding but now it is drained and mainly a wet meadow.
57	330 - Low-Density Trees	1.1	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
58	6220 - Alder/willow	75.7	No	Standing dead ash.
64	622 - Lowland Shrub	47.2	No	
69	6239 - Mixed Emergent Wetland	13.2	No	
70	6220 - Alder/willow	6.3	No	
72	6220 - Alder/willow	7.4	No	
74	6225 - Bog	100.6	No	The stand is variable with numerous low pockets of leather leaf and blueberry bog along with large areas of peat moss hummocks. There are a few slightly higher and flatter plains of grass and bracken fern. There are many large historic red and white pine stumps throughout this area.
76	122 - Road/Parking Lot	7.9	No	Wildwood Road. County gravel. Road.
80	623 - Emergent Wetland	4.1	No	
82	6220 - Alder/willow	20.4	No	OPIC - FMD: OI Stand Year Origin was
89	622 - Lowland Shrub	306.2	No	OPIC - FMD: The stand is a large lowland brush type with a scattering of red maple and ash. Some small area along the edges of the stand are E6 of mainly green and black ash most are less then 1 ac in size.
90	6239 - Mixed Emergent Wetland	28.7	No	OPIC - FMD: Marsh surrounded by "L" type.
95	6220 - Alder/willow	9.9	No	
99	6220 - Alder/willow	2.6	No	
100	330 - Low-Density Trees	4.6		OPIC - FMD: The stand is hummocky and could be harvested. Remove the aspen to promote the oak and to address visual management. Chapter 7 filed and additional ash removed. Treatment completed fall of 2012.
102	3102 - Grass	15.3	No	Stand is part of a maintained powerline easment.
103	330 - Low-Density Trees	2.1	No	The stand is a traditional hunter campsite.
107	6220 - Alder/willow	4.1	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
108	500 - Water	11.8	No	
109	629 - Mixed non-forested wetland	31.0	No	
110	500 - Water	7.1	No	
114	6220 - Alder/willow	5.2	No	
117	6220 - Alder/willow	2.6	No	
121	6220 - Alder/willow	3.1	No	
122	6225 - Bog	17.8	No	OPIC - FMD: stand is a mix of leather leaf and low shrubs.
125	6220 - Alder/willow	16.5	No	The stand is a L-Type with area of grass and marsh.
126	6220 - Alder/willow	2.6	No	
127	6233 - Wet Meadow	8.3	No	This stand is part of the Mollasses River flood plain.
130	6220 - Alder/willow	1.9	No	
132	510- Water (OI)	3.4	No	
133	6224 - Treed Bog	6.1	No	This stand is a leather leaf bog with not much else in it. There are some white pine, black spruce and tamarack popping up but they are widly scattered. There is a small pocket of black spruce in the south east corner of the stand.
139	6220 - Alder/willow	15.4	No	OPIC - FMD: The stand is on the molasses river flood plain. The ground is spongy and wet all year round. The trees on the plain are large and very shallow rooted. There are many wind throws in the stand and in those area there is some regeration becoming established.
140	6233 - Wet Meadow	2.7		Noted fairly heavy deer browse. Very wet.
144	6220 - Alder/willow	4.0	No	
145	629 - Mixed non-forested wetland	7.4	No	The stand is a mixture of marsh grass, tag alder, and willow with some scattered trees. Most of the trees are dead or dying. Noted a pair of Canada geese nesting.



Stand	Cover Type	Acres	Managed Site	General Comments:
147	6220 - Alder/willow	7.3	No	
149	6220 - Alder/willow	2.4	No	
150	6220 - Alder/willow	7.7	No	
151	629 - Mixed non-forested wetland	47.7	No	The stand is mainly cattails and marsh grasses mixed with lowland shrubs.
156	3302 - Low Density Conifer Trees	8.0	No	Very wet stand of low density NW Cedar.
157	6220 - Alder/willow	8.3	No	
159	3303 - Mixed Low Density Trees	54.1	No	Undulating terrain. Mostly wetlands with higher sandy knolls and ridges.
160	6220 - Alder/willow	4.8	No	Mostly upland. Good quality aspen, but overall dbh seems less than could be expected for a stand this age. Suggest holding for 10 more years.
161	622 - Lowland Shrub	34.8	No	
163	3301 - Low Density Deciduous Tree	22.2		
164	6225 - Bog	3.0	No	
165	3301 - Low Density Deciduous Tree	11.9	No	Very hummocky ground. Mostly wet with some scattered higher areas.
168	3303 - Mixed Low Density Trees	9.3		The stand was harvested in 2013 and is scheduled for trench and inter-plant to red pine. FTP C73-912 initiated via email to Throop dated 9/11/2013. Stand was inter-planted to red pine in the Spring of 2015.
170	6220 - Alder/willow	9.6	No	OPIC - FMD: Mostly tag alder.
175	310 - Herbaceous Openland	4.8	Yes	This stand is a maintained wildlife opening.
181	6220 - Alder/willow	2.0	No	
183	6224 - Treed Bog	1.1	No	This is a leatherleaf bog that has a light overstory of seedling and sapling jack pine.
186	3105 - Mixed Upland Herbaceous	1.5	Yes	This stand is a maintained wildlife opening.



Stand	Cover Type	Acres	Managed Site	General Comments:
187	330 - Low-Density Trees	6.4	No	This is a high ground sand ridge that is covered with grasses and filling in with white pine.
190	6220 - Alder/willow	19.4	No	
193	500 - Water	2.6	No	
194	330 - Low-Density Trees	7.5	No	The stand is sparse and on droughty soil and on a very narrow ridge. The ground cover is poverty grass. The upland is seeding in with oak. Low density aspen. Not managerially desirable for harvest.
196	3301 - Low Density Deciduous Tree	5.8	No	
209	6220 - Alder/willow	7.1	No	
219	629 - Mixed non-forested wetland	15.4	No	
220	3105 - Mixed Upland Herbaceous	3.8	Yes	Wildlife Division managed opening.
223	3302 - Low Density Conifer Trees	8.2		The stand was harvested but regeneration is poor. In addition, the stand is a mixture of upland and lowland and much of what regeneration that is present is on the upland. Heavy deer browse. Very wet in areas.
226	6239 - Mixed Emergent Wetland	5.3		The stand was harvested but regeneration did not come in. Currently the stand is cattails and marsh grass with only a few red maple stump sprouts scattered in the stand.
230	6225 - Bog	5.1	No	
234	3301 - Low Density Deciduous Tree	3.1		The stand was harvested but the regeneration is poor and confined to the upland pockets.
254	6220 - Alder/willow	170.5	No	OPIC - FMD: Mostly tag alder.
266	6224 - Treed Bog	6.0		Overall, the stand is poorly stocked and is too wet to trench and plant. It is however, seeding in with jack pine.
269	6233 - Wet Meadow	29.7	No	The stand is mainly a sedge meadow with pockets of leather leaf and blueberry. There are also some scattered tamarack, jack pine, and red pine. These are often in small islands.
400	310 - Herbaceous Openland	5.7	No	Overhead power line right of way.