



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73075

Entry Year 2020

Acreage: 4,638

County Gladwin

Management Area: Gladwin Lake Plain

Revision Date: 2018-05-22

Stand Examiner: Rick Myrick

Legal Description:

T17N- R02E, Sections 2, 3, and 4.

T18N-R02E, Sections 22, 23, 25, 26, 27, 28, 33, 34, and 35.

Identified Planning Goals:

Vegetation management in the Gladwin Lake Plain management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character including the Rifle River, a designated natural river; the Lame Duck Foot Access Area, a high conservation value area; several wildlife area floodings; threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on balancing the age-class distributions for aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends in this 10-year planning period will be the continued need to address illegal off-road vehicle use, trash dumping and increased recreational pressure.

Soil and topography:

Compartment 75 is dominated by the Crowell-Au Gres-Rubicon association; which is characterized by level to sloping well drained to somewhat poorly drained soils that have a sandy sub-soil which is found on lake plains. Additionally a significant inclusion of the Roscommon-Carbondale association extends through the middle of the compartment. These are very poorly drained, mucky and sandy soils.

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

Compartment 75 is approximately 7.3 square miles of almost contiguous State forest land. The compartment is generally surrounded by State forest land on three sides, with the east boundary all private ownership. Private property is primarily used for hunting.

Unique Natural Features:

The Michigan Natural Features Inventory database indicates no known unique natural features within this compartment.

Archeological, Historical, and Cultural Features:

The Archeology Concerns Database indicates no known archeological, historical, or cultural feature concerns within this compartment.

Special Management Designations or Considerations:

There are no special management designations within this compartment.

Watershed and Fisheries Considerations:

The north boundary of Compartment 75 is the Little Molasses River; a warm water stream that discharges to the Tittabawassee River.

Wildlife Habitat Considerations:

Wildlife Habitat Considerations: Compartment #75. This compartment includes many wetland and lowland type systems associated with the Little Molasses River drainage. The majority of this compartment is lowland systems. Non-wetland stands are comprised mainly of Aspen, Jack Pine and oak, making it suitable for a number of wildlife species. Waterfowl and shore birds can be found using the many wetland areas in this compartment. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the wetlands and lowlands as corridors and year-round habitat. Game species likely to be present in this compartment include wood duck, mallard, wild turkey, ruffed grouse, snowshoe hare, and white-tailed deer. The compartment is easily accessible to hunters from Eastman Road on the west and School Road to the south.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments in this area are predominantly sand and clay, and there are no active pits in the vicinity. In addition, much of the compartment is covered by wetlands. Sand & gravel potential within the compartment is considered limited.

There is active production from Dundee oil fields within three miles of the compartment. There has been renewed interest in the Dundee in this area recently. There are a number of active leases within and around the compartment, but there has not been any recent drilling to this point. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Compartment 75 is easily accessed by vehicle via county roads which include: Center Fireline Trail, Eastman Road, Grim Road, Klender Road, School Road, and Guernsey Creek Trail.

Survey Needs:

Compartment 75 has a number of well marked survey corners. Many of which are identified with DNR blue carsonite markers. There are no survey needs within the compartment at this time.

Recreational Facilities and Opportunities:

Compartment 75 has no established recreational facilities; however the area has moderate off-road vehicle use and extensive dispersed camping, particularly during deer hunting season.

Fire Protection:

Much of Compartment 75 can be accessed by wildland firefighting equipment via county roads and state forest two tracks. However, there are areas particularly within the interior of compartment, that may prove difficult for suppression activities due to vast wetlands that cover the landscape.

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**

Report 1 – Total Acres by Cover Type and Age Class

Gladwin Mgt. Unit

Compartment 75

Year of Entry 2020

Rick Myrick : Examiner



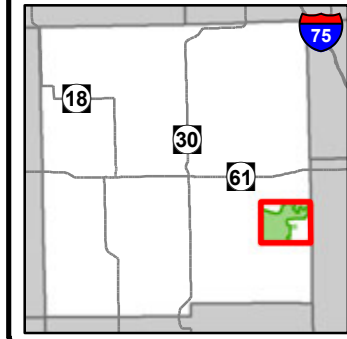
Age Class

	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	21	148	148	274	145	5	93	0	0	0	0	0	0	0	0	0	0	834
Bog	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Jack Pine	0	158	37	153	26	0	0	0	0	0	0	0	0	0	0	0	0	0	374
Low-Density Trees	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Lowland Aspen/Balsam Poplar	0	30	114	8	110	108	33	0	0	0	9	0	0	0	0	0	0	0	412
Lowland Conifers	0	0	0	0	5	0	14	15	0	0	0	0	0	0	0	0	0	0	34
Lowland Deciduous	0	0	119	51	68	178	79	136	90	129	148	0	0	0	0	0	0	0	998
Lowland Mixed Forest	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Shrub	539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	539
Marsh	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197
Mixed Upland Deciduous	0	8	52	51	32	8	6	0	0	43	0	0	0	0	0	0	0	0	200
Natural Mixed Pines	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Oak	0	0	131	11	34	0	8	48	0	47	136	0	0	0	0	0	0	0	415
Planted Mixed Pines	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Red Pine	0	23	0	0	0	11	56	0	0	0	0	0	0	0	0	0	0	0	90
Tamarack	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Treed Bog	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Upland Mixed Forest	0	0	0	6	36	15	0	0	0	0	0	0	0	0	0	0	0	0	57
Urban	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Water	252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	252
White Pine	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	15
Total	1139	267	601	435	585	465	249	292	90	219	299	0	0	0	0	0	0	0	4640

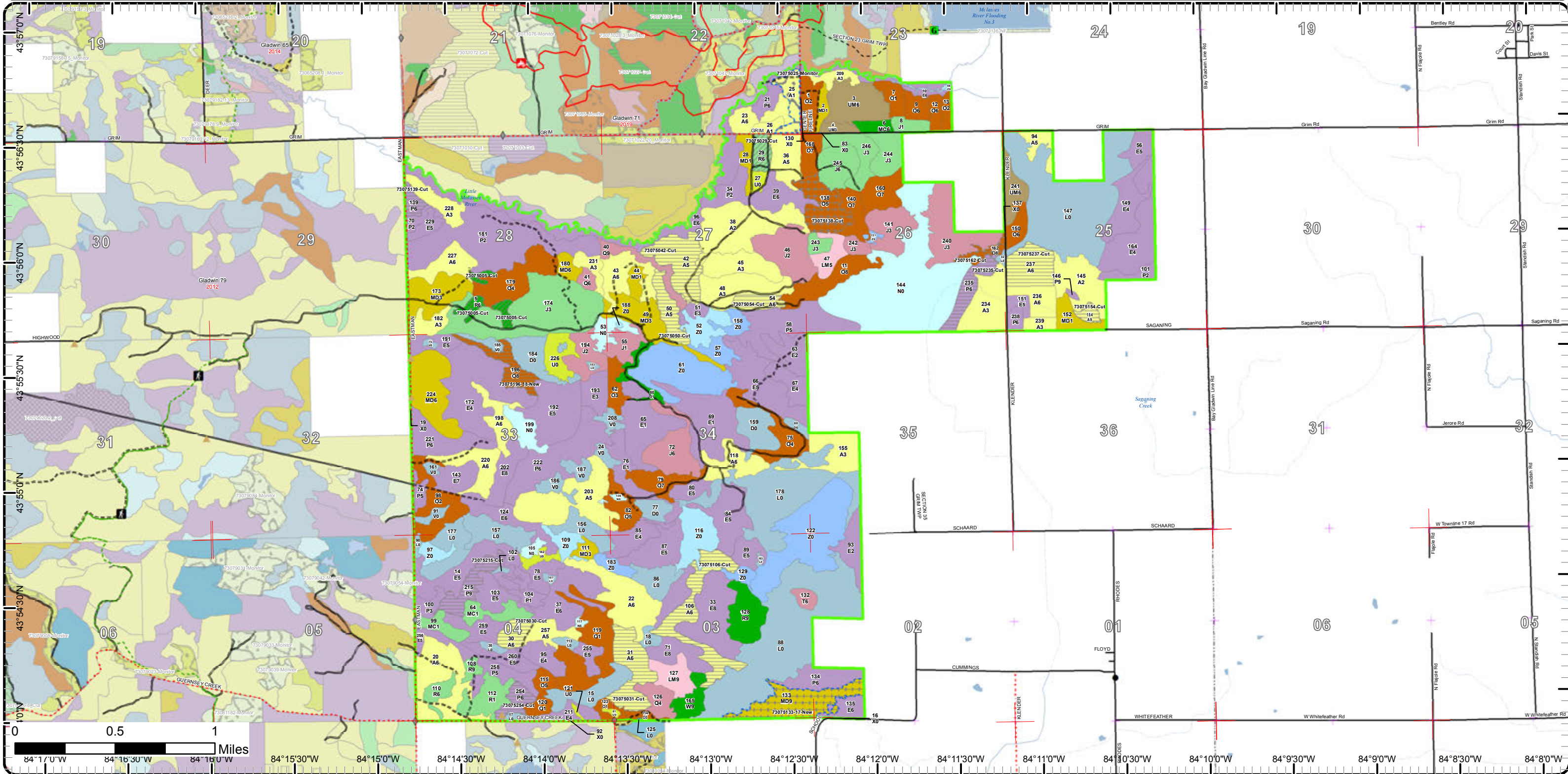
Cover Type & Treatments Map

Compartment: 75
 T17N - R02E Sec. 02-04
 T18N - R02E Sec. 22,23,25-28,33-35

County: Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YOE: 2020
 Acres: 4,638 GIS Calculated
 Examiner: Rick Myrick
 Map Revised: 8/20/2018
 Map Phase: Post - Review



- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- ORV Trails
- Designated ATV Trails
- Berms
- City
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 621 - Floating Aquatic
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- Lakes



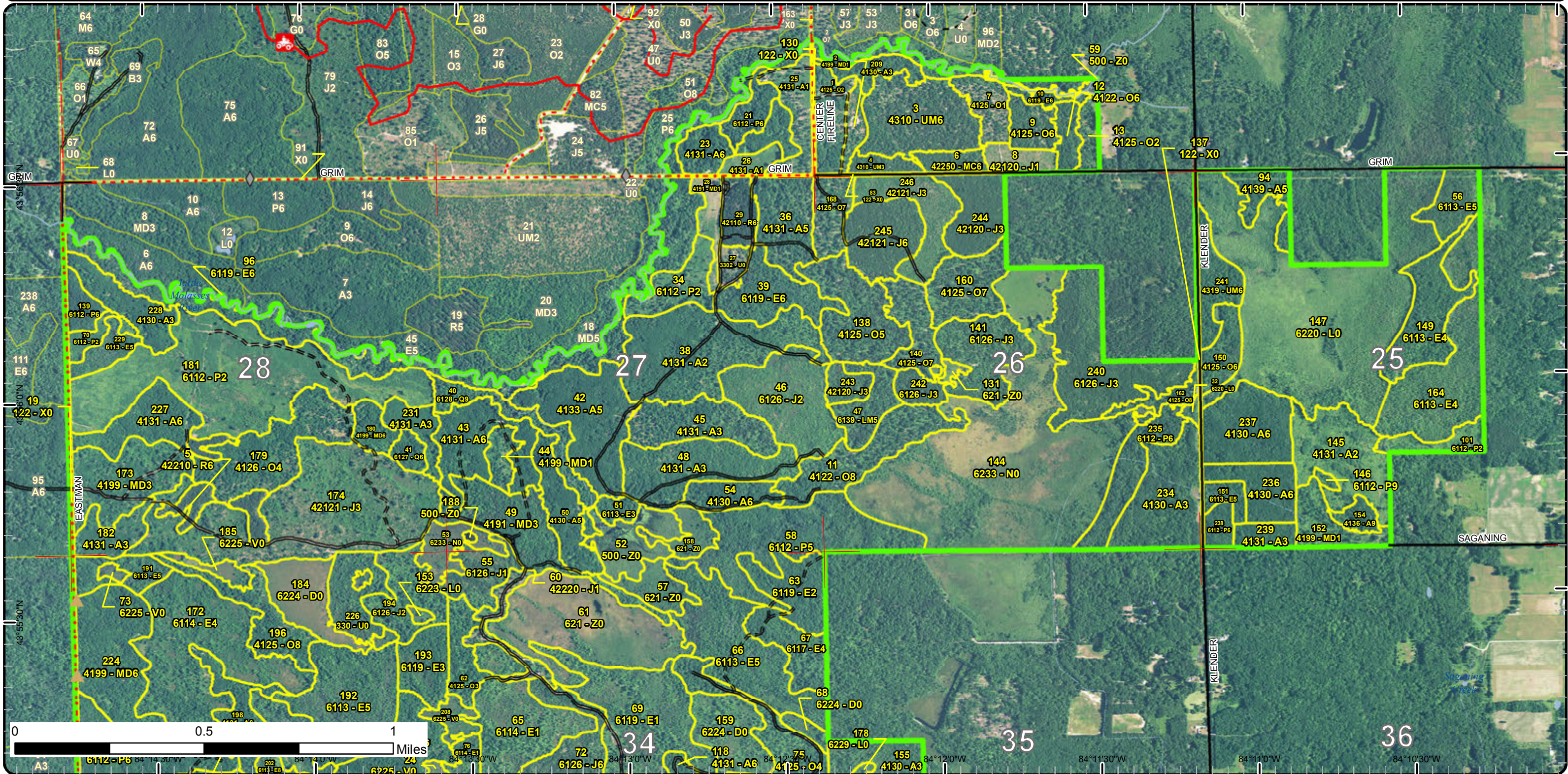
Stand Boundary Map

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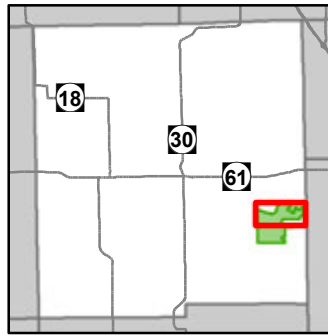
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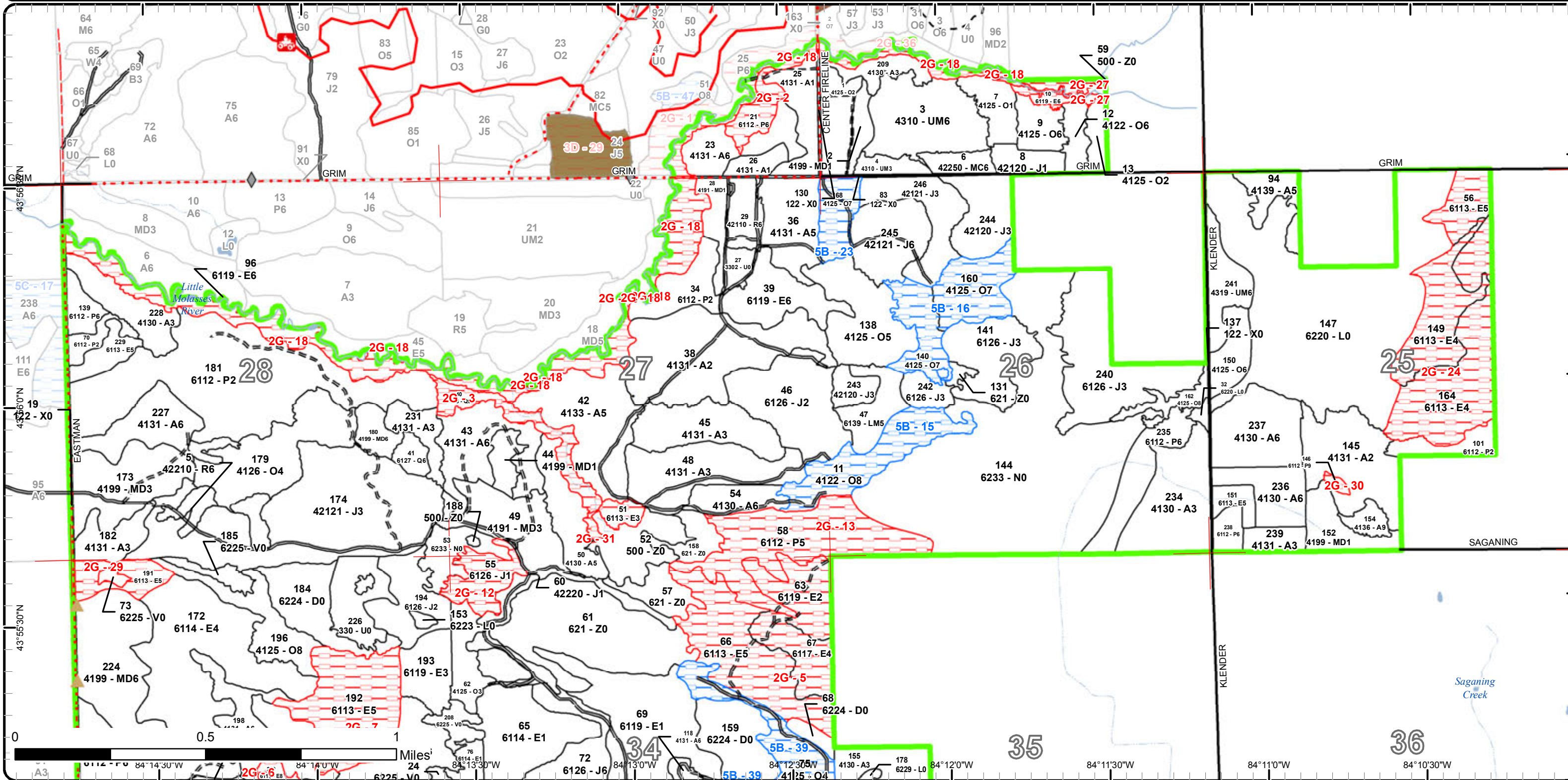
Special Conservation Areas & Site Conditions Map

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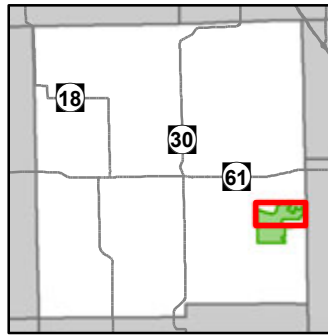
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- Unavailable
- 5B: Maintain for regeneration purposes
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Scramble Area



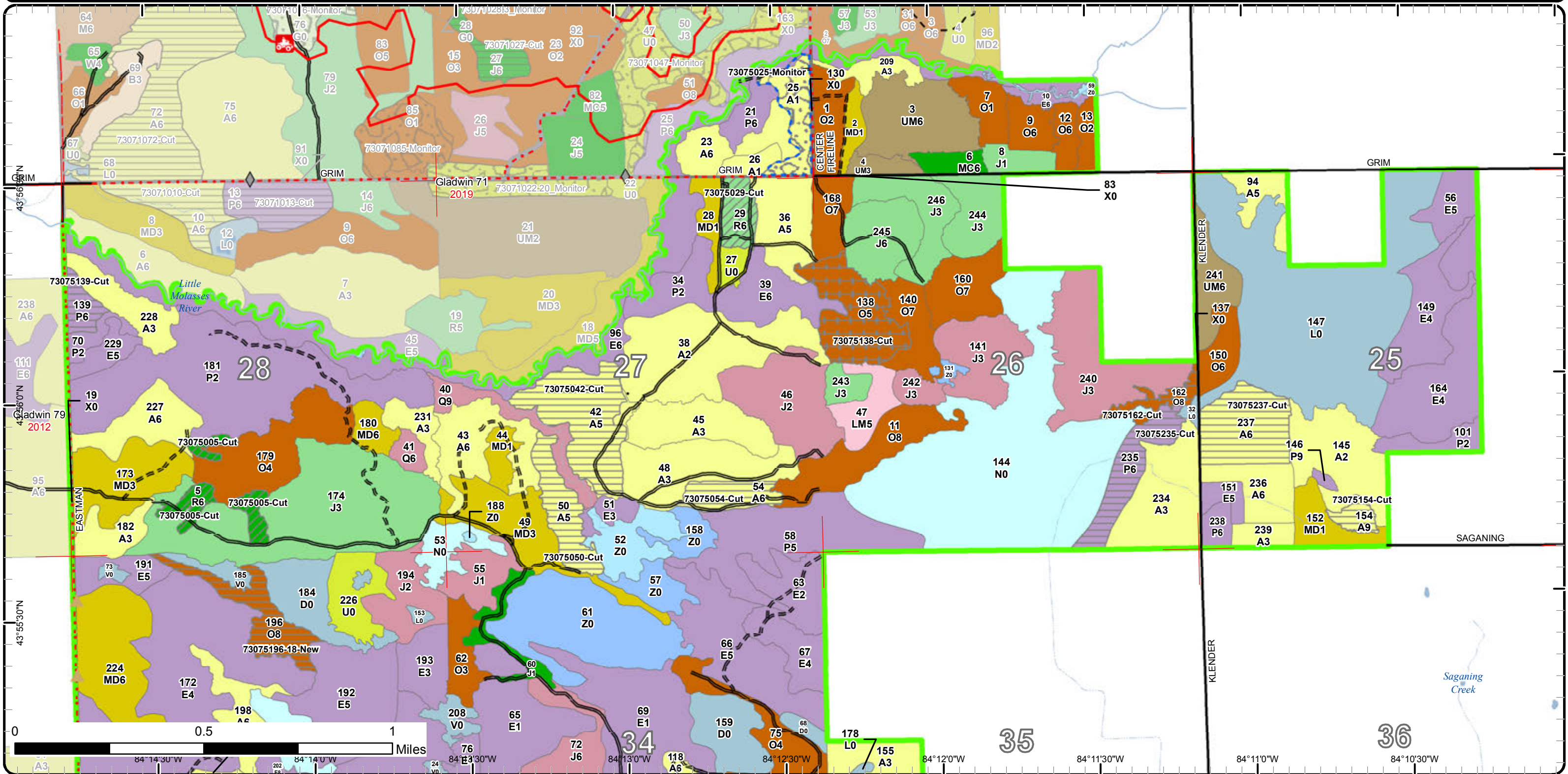
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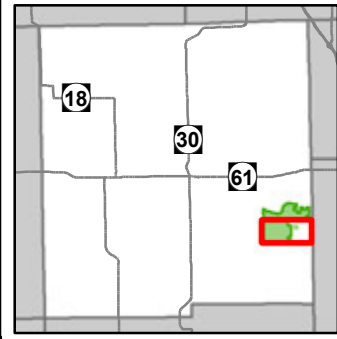
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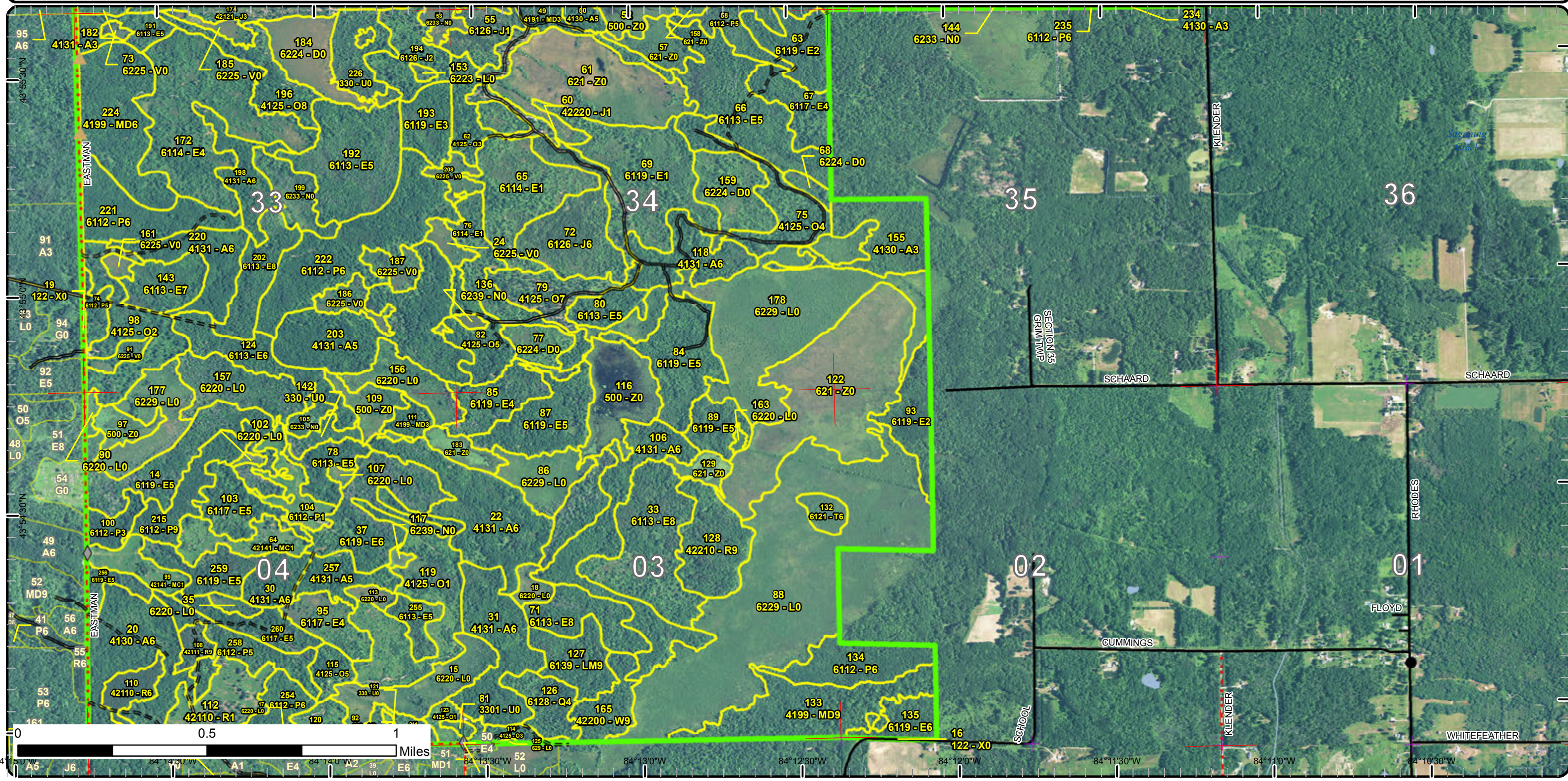
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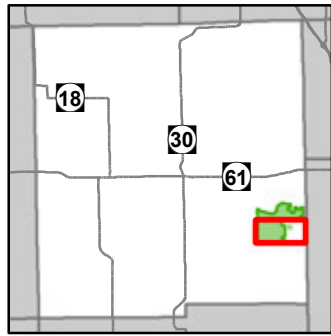
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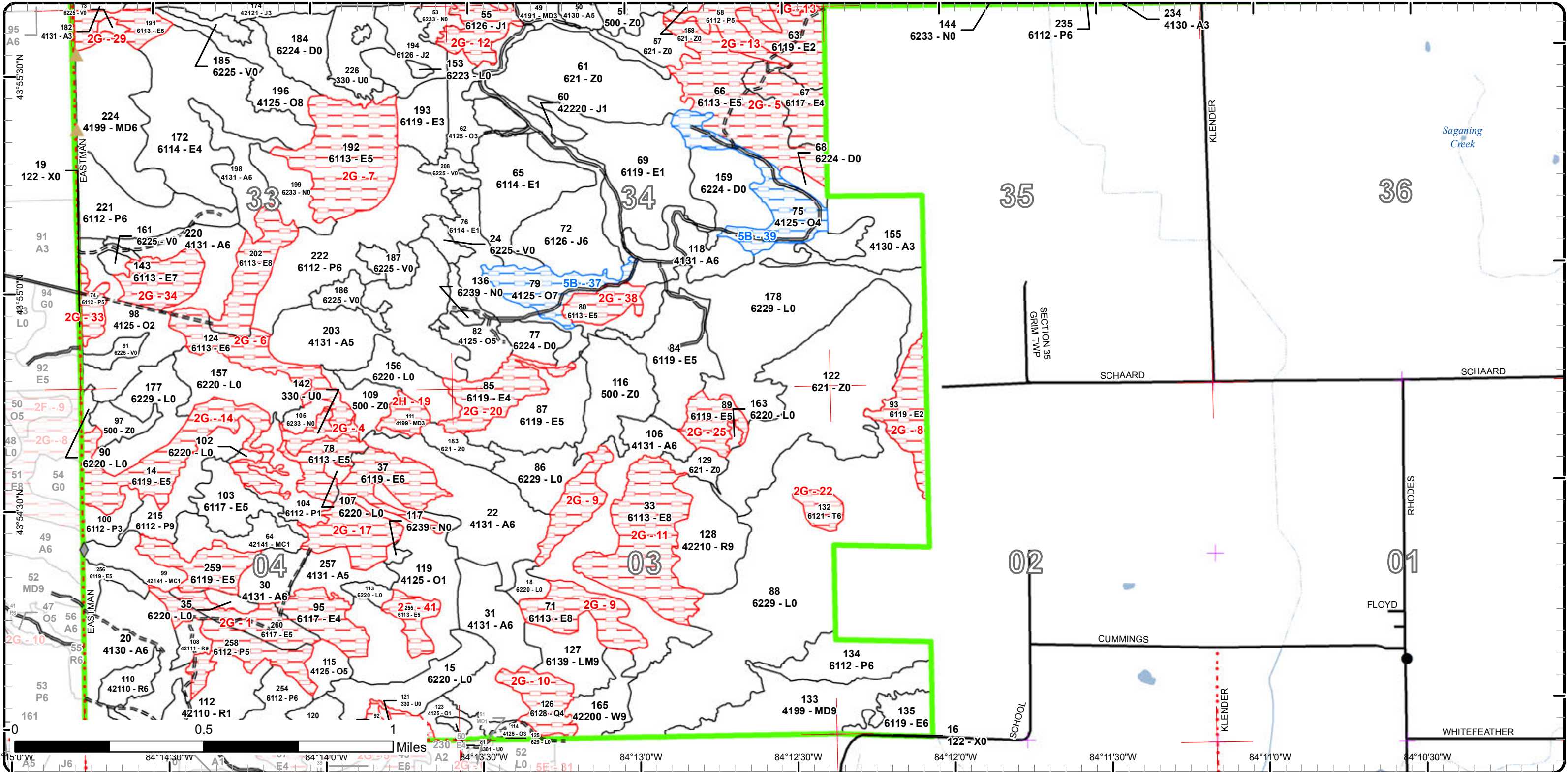
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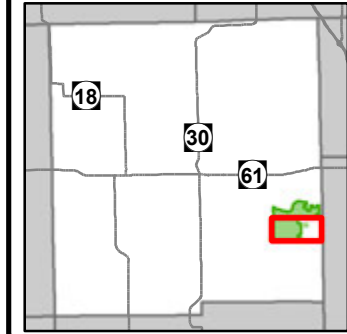
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 - Available w/ Constraints
 - Unavailable
- 5B: Maintain for regeneration purposes
2G: Too wet (sensitive soils, does not include access issues)
2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries



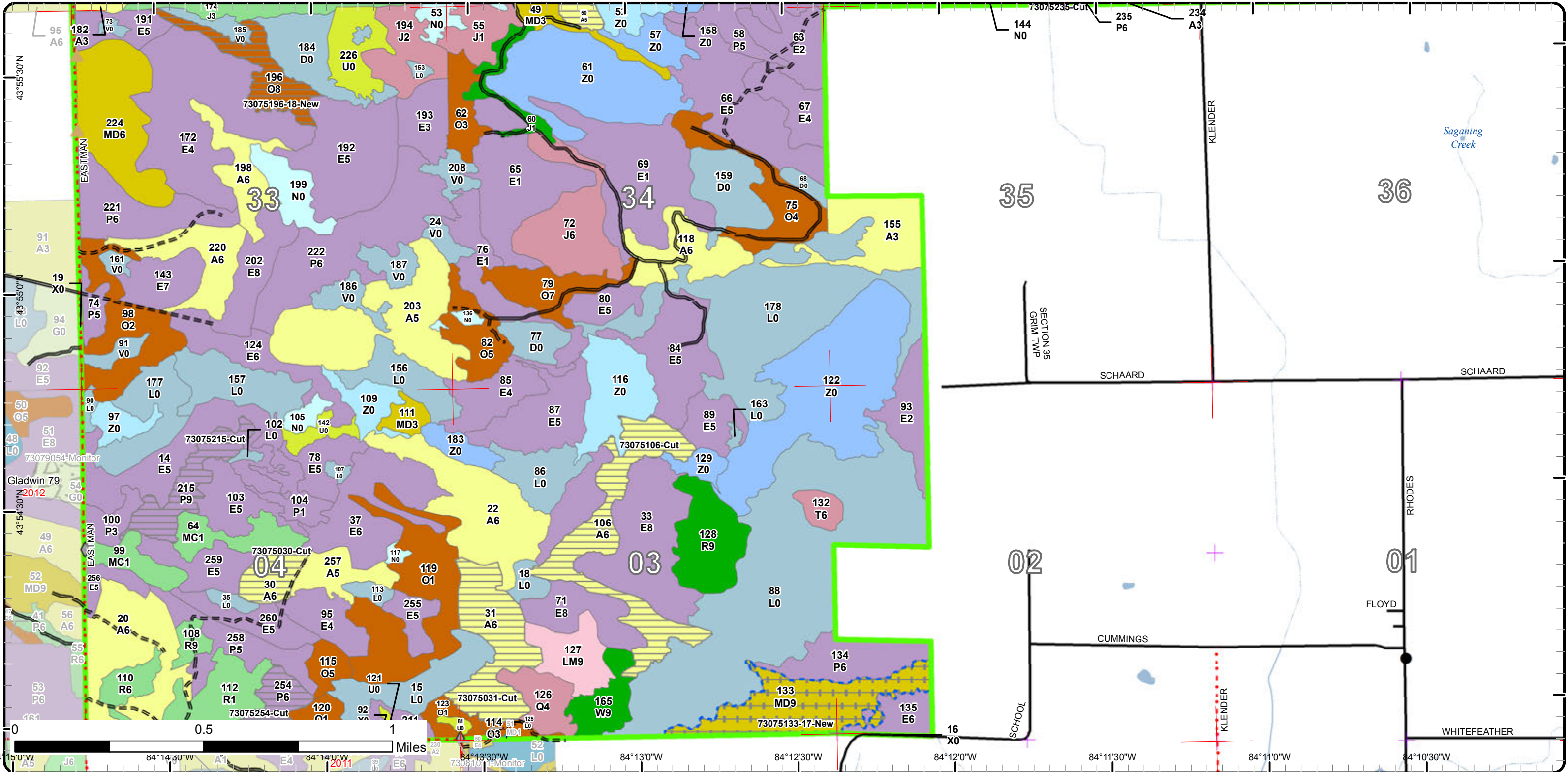
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Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 75

Total Compartment Acres: 4,638

Commercial Harvest - 334
 Harvests with Site Condition - 43
 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	194	0	0	0	0	0	0	0	0	194
Lowland Aspen/Balsam Poplar	59	0	0	0	0	0	0	0	0	59
Mixed Upland Deciduous	0	0	0	0	0	43	0	0	0	43
Oak	20	0	0	0	0	38	0	0	0	58
Red Pine	0	0	0	0	24	0	0	0	0	24
Total	272	0	0	0	24	82	0	0	0	378

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	378	0	0	0	0	25	0	0	0	402
Next Step	0	0	0	0	0	272	0	0	0	272
Total	378	0	0	0	0	297	0	0	0	674



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
5	73075005-Cut	13.5	42210 - Natural Red Pine	Poletimber Well	58	141- 170	Harvest	Low Thinning	42210 - Natural Red Pine	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Remove one third of the stand volume down to 90 to 110 BA. Favor best tree in place.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

25	73075025- Monitor	15.3	4131 - Aspen, Oak	Sapling Poor	4	1-50	Monitoring	Artificial Regen(3yr)	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition: Too Wet**

Prescription Monitor artificial regeneration 3 growing season after planting.

Specs:

Next Step

Treatments:

Acceptable planted red pine mixed with oak

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2017

29	73075029-Cut	10.6	42110 - Planted Red Pine	Poletimber Well	45	171- 200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove one third of the volume of the stand to 90 to 110 BA. Essentially remove every third row. Rows may have to be defined prior to harvest

Specs: as they meander and are not readily discernable in portions of the stand.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

30	73075030-Cut	12.1	4131 - Aspen, Oak	Poletimber Well	67	Unspec ified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Create one to two small retention islands that include aspen, oak, and red pine where possible.

Specs:

Next Step

Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A medium to fully stocked stand of aspen and oak with some mixed deciduous and conifer will be acceptable.

Regen:

Other

Include grouse drumming log spec.

Comment:

Proposed Start Date: 10/1 /2019



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	73075031-Cut	36.7	4131 - Aspen, Oak	Poletimber Well	61	81-110	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Paint out two to three small aspen retention islands. Green mark to retain one pole to log sized oak for every
Specs: one to two acres where possible. Do not cut any conifer.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable A medium to fully stocked stand of aspen with some oak, conifer and mixed deciduous will be acceptable.
Regen:

Other Crane mats will be necessary to cross a portion of the broad based drain at the pinch point of the hour glass shaped stand.

Comment: Use grouse drumming log spec.

Proposed Start Date: 10/1 /2019

42	73075042-Cut	37.3	4133 - Aspen, Mixed Pine	Poletimber Medium	47	Unspec ified	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Paint out three to four small islands of aspen to retain. Also green mark 1 to 2 pole size white pine per acre to
Specs: retain. Do not cut any trees over 26" DBH.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

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

Other Use grouse drumming log spec.

Comment:

Proposed Start Date: 10/1 /2019

50	73075050-Cut	18.3	4130 - Aspen	Poletimber Medium	45	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Do not cut any conifer. Green mark to retain 1 large oak per every two to three acres if possible. Favor
Specs: retaining log sized white oak. Do not cut any trees 26" or greater.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

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

Other Use grouse drumming log spec.

Comment:

Proposed Start Date: 10/1 /2019

54	73075054-Cut	11.5	4130 - Aspen	Poletimber Well	46	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all species 2" and greater. Do not cut any conifer or any tree over 26" DBH.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

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

Other There is a medium density of white oak saps to protect with a specification.

Comment:

Include grouse drumming log spec.

Proposed Start Date: 10/1 /2019



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
106	73075106-Cut	44.6	4131 - Aspen, Oak	Poletimber Well	67	Unspec ified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Green mark to retain one wolfy or log sized oak per three to four acres where possible. Favor wolfy white oak.

Specs: Create three small aspen retention islands. Do not cut any conifer.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A medium to fully stocked stand of aspen and oak with some conifer and mixed deciduous will be acceptable.

Regen:

Other Include the grouse drumming log spec.

Comment:

Proposed Start Date: 10/1 /2019

133	73075133-17- New	43.3	4199 - Other Mixed Upland Deciduous	Sawtimber Well	85	81-110	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition: Too Wet**

Prescription Remove all oak species 12" and greater. Do not cut any trees 26" and greater. Green mark to retain one log sized white oak per every three to

Specs: four acres where possible.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

138	73075138-Cut	31.2	4125 - Black, N. Pin Oak	Poletimber Medium	93	81-110	Harvest	Overstory Removal	4122 - Oak, Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all oak species 12" DBH and greater. Do not cut any tree species 26" DBH and greater. Green mark to retain where possible 1 to 2 log

Specs: size white oak per acre.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

139	73075139-Cut	6.9	6112 - Lowland Aspen	Poletimber Well	42	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Do not cut any conifer or trees greater than 26". Green mark to retain 1 to 2 pole to log sized red and and/or

Specs: oak per acre where possible, Mark out one small island of aspen to retain.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A medium stocked stand of lowland aspen with conifer and some mixed deciduous will be acceptable.

Regen:

Other

Include the grouse drumming log spec.

Comment:

Proposed Start Date: 10/1 /2019



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
154	73075154-Cut	4.9	4136 - Aspen, Mixed Conifer	Sawtimber Well	55	81-110	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Cut all species 2" and greater. Retain one small island of aspen. Do not cut any conifer. Do not cut any species 26" DBH or greater.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A medium to fully stocked stand of oak and conifer will be acceptable.

Regen:

Other Include the grouse drumming log spec.

Comment:

Proposed Start Date: 10/1 /2019

162	73075162-Cut	7.1	4125 - Black, N. Pin Oak	Sawtimber Medium	87	1-50	Harvest	Overstory Removal	4122 - Oak, Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all oak 12" and greater. Do not cut any species 26" DBH and greater.

Specs:Next StepTreatments:

Acceptable A medium to fully stocked stand of oak and jack pine with a minor component of other conifer and mixed deciduous will be acceptable.

Regen:OtherComment:

Proposed Start Date: 10/1 /2019

196	73075196-18- New	19.7	4125 - Black, N. Pin Oak	Sawtimber Medium	91	51-80	Harvest	Clearcut with Retention	4125 - Black, N. Pin Oak	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all species 2" and greater. Do not cut conifer. Green mark to retain one to two pole to log sized oak per every two acres where possible.

Specs: Favor the retention of white oak. Do not cut any trees 26" or greater.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A medium to fully stocked stand of oak with some conifer and mixed deciduous will be acceptable.

Regen:

Other There is a small 2.5 acre dense flush of oak saps at the south end of the stand. I estimate them to be about 20 years old. These should not be included in the sale.

Comment:

Proposed Start Date: 10/1 /2019

215	73075215-Cut	19.9	6112 - Lowland Aspen	Sawtimber Well	58	111- 140	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Do not cut trees greater 26" DBH. Do not any cut conifer except red pine. Create two to three small aspen retention islands. Green mark to retain, when possible one log sized oak and one log sized red pine per 3 to 4 acres.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A medium to fully stocked stand of lowland aspen with conifer and some mixed deciduous will be acceptable.

Regen:

Other Utilize dry/ frozen spec. and grouse log drumming spec.

Comment:

Proposed Start Date: 10/1 /2019



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
235	73075235-Cut	19.7	6112 - Lowland Aspen	Poletimber Well	45	1-50	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Do not cut any conifer or oak. Paint out two to three small retention islands of aspen. Utilize dry/frozen
Specs: specification. Place landing at far north extent of stand on upland. Wood will have to be skidded to that landing location.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable A full to medium stocked stand of jack pine and oak with a minor component of other conifer and mixed deciduous will be acceptable.
Regen:

Other Include grouse drumming log spec.
Comment:

Proposed Start Date: 10/1 /2019

237	73075237-Cut	28.4	4130 - Aspen	Poletimber Well	43	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Retain three to four small islands of aspen. Do not cut any conifer. Do not cut any trees 26" DBH or greater.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

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

Other Include grouse drumming log spec.
Comment:

Proposed Start Date: 10/1 /2019

254	73075254-Cut	12.0	6112 - Lowland Aspen	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all species 2" and greater. Paint out one small retention island of aspen. Green mark to retain one log sized oak per every three to four
Specs: acres where possible. Favor the retention of white oak. Do not cut any conifer.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable A full to medium stocked stand of aspen with some conifer and mixed deciduous will be acceptable.
Regen:

Other Some portions of the stand may be too wet to harvest. Expect field boundary acres to be less than proposed acres.
Comment:

Include grouse drumming log spec.

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 393.0**

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	2G	2H
		With Condition	Not Available				
834	834	0	0	Aspen		0	
40	40	0	0	Bog			
374	340	0	34	Jack Pine		34	
30	25	0	6	Low-Density Trees		6	
411	322	0	90	Lowland Aspen/Balsam Poplar		90	
35	5	0	30	Lowland Conifers		30	
998	337	0	661	Lowland Deciduous		661	
33	33	0	0	Lowland Mixed Forest			
539	375	0	164	Lowland Shrub		164	
197	197	0	0	Marsh		0	
199	150	0	49	Mixed Upland Deciduous		43	6
7	7	0	0	Natural Mixed Pines			
415	290	124	0	Oak	124	0	
27	27	0	0	Planted Mixed Pines			
90	89	0	1	Red Pine		1	
6	0	0	6	Tamarack		6	
57	57	0	0	Treed Bog			
56	56	0	0	Upland Mixed Forest			
24	24	0	0	Urban			
252	165	0	87	Water		87	
15	15	0	0	White Pine			
4,638	3,387	124	1,127	Total Forested Acres	124	1,121	6
	73%	3%	24%	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)	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Riparian zone of a tributary of the Little Molasses River.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	80	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5B: Maintain for regeneration purposes	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5B: Maintain for regeneration purposes	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	73	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	87	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Flood plain of the Little Molasses River. Steep drop into stand toward river.							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5B: Maintain for regeneration purposes	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment: 75
Year of Entry: 2020

41	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

Mgt. Unit

Compartment:

Year of Entry



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4125 - Black, N. Pin Oak	Sapling Medium	14.4	18	1-50	A few super-canopy log sized black/ red hybrid oak retained at traditional deer hunting campsites within the stand. Heavy deer browse in places.
2	4199 - Other Mixed Upland Deciduous	Sapling Poor	5.9	18	1-50	Stand is just coming into poles. Numerous open spaces.
3	4310 - Pine, Oak Mix	Poletimber Well	35.6	37	1-50	Fairly good stand of poles.
4	4310 - Pine, Oak Mix	Sapling Well	5.5	27	Immature	Some galls noted within the jack pine.
5	42210 - Natural Red Pine	Poletimber Well	13.5	58	141-170	The stand was released in 1996. Good growth.
6	42250 - Pine, Oak	Poletimber Well	6.5	27	Immature	Stand is just coming into poles.
7	4125 - Black, N. Pin Oak	Sapling Poor	11.2	25	1-50	The stand was interplanted with jack pine in around 2014. The survival is moderate and the over all density of the planted pine is moderate. The artificial regeneration is doing well. It has some problems with galls and weevil but not bad overall.
8	42120 - Planted Jack Pine	Sapling Poor	7.7	4	Immature	Jack pine are growing well without signs of stress or notable mortality.
9	4125 - Black, N. Pin Oak	Poletimber Well	9.9	35	1-50	
10	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	6.8	49	51-80	Flood plain of the Little Molasses River. Riparian buffer zone. Undulating ground. Steep drop into stand when moving toward river from the south.
11	4122 - Oak, Pine	Sawtimber Medium	28.8	93	51-80	Shelterwood-seed harvested 2008. Klender Grim Harvest 73-016-06-01. Retained approximately 25 BA oak. Hold for regeneration purposes.
12	4122 - Oak, Pine	Poletimber Well	7.1	32	51-80	More oak in the north of stand.
13	4125 - Black, N. Pin Oak	Sapling Medium	6.3	18	51-80	Oak regeneration coming back well; but spotty in some areas.
14	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	37.2	88	81-110	True swamp, much standing and blown down ash . Numerous pockets of standing water.
20	4130 - Aspen	Poletimber Well	50.0	29	Immature	Harvested in 1989.
21	6112 - Lowland Aspen	Poletimber Well	9.2	97	Unspecified	Aspen showing signs of decadence due to age. Very low ground. Standing water. Wetland grasses and lowland shrubs. Stand is approximately 15 feet lower than stand 23. Steep drop-off into the stand. Too wet to harvest. Inoperable. Buffer for Little Molasses River.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	4131 - Aspen, Oak	Poletimber Well	46.0	37	51-80	Stand is a matrix of a series parallel southeast running narrow upland ridges of aspen and oak and low troughs of tag alder, blueberry bogs, mixed lowland deciduous in standing water and scattered vernal ponds. Very steep grade along the southern border.
23	4131 - Aspen, Oak	Poletimber Well	17.3	38	Unspecified	Log sized aspen showing up in a few pockets.
25	4131 - Aspen, Oak	Sapling Poor	15.2	4	1-50	Stand was harvested in 2014, then the north two thirds was interplanted to red pine in 2015. The red pine generation was checked in the spring of 2016 and again in the winter of 2018; and seedlings were noted as vigorous with very little mortality.
26	4131 - Aspen, Oak	Sapling Poor	5.5	4	1-50	Stand regenerating well throughout most of the acreage except growth is still sparse in the mid-interior.
28	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	8.3	4	1-50	North half of stand predominantly jack pine saps and seedlings. Southern half of stand is a denser mix of hardwoods.
29	42110 - Planted Red Pine	Poletimber Well	10.6	45	171-200	Red pine stand planted in 1973. Rows meander and may be difficult to follow if stand is treated.
30	4131 - Aspen, Oak	Poletimber Well	12.1	67	Unspecified	Fairly dry stand. Aspen has good growth and vigor for its age.
31	4131 - Aspen, Oak	Poletimber Well	36.7	61	81-110	Mostly high dry wide ridges with lowland swales. Vigorous aspen growth.
33	6113 - Lowland Maple	Sawtimber Medium	47.1	88	1-50	Mostly a densely treed bog. Very wet. Full standing water.
34	6112 - Lowland Aspen	Sapling Medium	15.5	4	Unspecified	Stand was harvested in 2014 as part of Highlands Oak sale 73-008-10-01.
36	4131 - Aspen, Oak	Poletimber Medium	23.1	43	Unspecified	Dense stand in places with openings throughout, generally poor form oak, mixed diameter aspen.
37	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	38.4	71	81-110	Lowland areas with medium density tag alder. Hummocky ground. Too wet to harvest. Much standing water.
38	4131 - Aspen, Oak	Sapling Medium	57.4	16	Immature	This stand was final harvested in 2002. UFO Harvest sale; 73-027-00-01. Regenerating well.
39	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	22.1	54	Unspecified	Stand appears to be seasonally flooded. Somewhat of a variable stand with an over-story of log/Xlog sized oak species. Understory is coming in with a dense volume of oak and maple. Some aspen, but stand is succeeding to oak and maple.
40	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	15.3	65	Unspecified	A branch of the Little Molasses runs through the entire stand. The southern tip of this riparian zone is predominately red maple mixed with standing dead ash. The stand terminates there at an old beaver dam.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	6127 - Lowland Pine	Poletimber Well	5.0	36	81-110	Dense stand of White Pine. Good thermo cover. Situated within a bowl.
42	4133 - Aspen, Mixed Pine	Poletimber Medium	39.8	47	Unspecified	
43	4131 - Aspen, Oak	Poletimber Well	27.4	35	Unspecified	
44	4199 - Other Mixed Upland Deciduous	Sapling Poor	6.8	26	Immature	Heavy deer browse on oak saplings. Numerous grassy openings. Marginal ground. Reindeer moss and bracken fern.
45	4131 - Aspen, Oak	Sapling Well	25.7	37	Unspecified	Traditional deer hunting campsite at west end of stand. Stand tapers to lower ground toward the east end. Conifer cover heavier. Ground becomes very wet.
46	6126 - Lowland Jack Pine	Sapling Medium	37.3	14	Immature	Former lowland J6 stand harvested in 2004 as part of the UFO Harvest, 73-027-00-01.
47	6139 - Mixed Lowland Forest	Poletimber Medium	14.0	50	1-50	Aspen has poor form, is stunted, and growing off site. Groundcover is very wet in places with bog like conditions.
48	4131 - Aspen, Oak	Sapling Well	34.7	14	Unspecified	Stand final harvested in 2002. UFO Harvest sale; 73-027-00-01. Healthy vigorous stand. Aspen almost coming into all poles
49	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	32.0	35	51-80	
50	4130 - Aspen	Poletimber Medium	18.3	45	Unspecified	
51	6113 - Lowland Maple	Sapling Well	5.8	30	Unspecified	This stand is variable with mostly wetland drainages and a slight upland ridge.
54	4130 - Aspen	Poletimber Well	11.5	46	Unspecified	Good candidate for final harvest.
55	6126 - Lowland Jack Pine	Sapling Poor	14.6	26	Immature	Jack Pine over blueberry bog. Very wet
56	6113 - Lowland Maple	Poletimber Medium	12.3	76	1-50	This stand is very wet. True swamp. Much standing dead ash due to EAB.
58	6112 - Lowland Aspen	Poletimber Medium	52.2	46	Unspecified	Standing water in winter. Not a lot of DBH for 46 years of growth. Very wet in numerous places. Marsh grass and tag alder ground cover. Previous inventory noted sensitive fern.
60	42220 - Natural Jack Pine	Sapling Poor	10.5	4	1-50	Treated 2014; Highlands Oak 73-008-10-01. Stand is poorly to moderately stocked at this time with jack pine. However, oak seedling and saps are beginning to come up in patches and should become the dominate species.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	4125 - Black, N. Pin Oak	Sapling Well	12.5	14	1-50	Dry ground overall. A few super-canopy oak scattered throughout stand.
63	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	19.1	38	Unspecified	
64	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Poor	15.3	4	1-50	Stand was harvested in 2012. AA Red Pine sale 73-09-08-10. Stand apparently was trenched and hand planted in 2014 to red pine the same time as Stand 99.
65	6114 - Lowland Oak	Sapling Poor	42.9	14	Immature	Stand was harvested in 2004; Old ORV Access sale 73-008-01-01. Numerous blueberry bog areas with standing water, laced among slightly higher ground covered with bracken fern.
66	6113 - Lowland Maple	Poletimber Medium	44.8	95	Unspecified	Pole sized stand, highly variable in density and hydrology. Stand is too wet to harvest. Generally red maple over marsh grass and tag alder in standing water.
67	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	16.5	50	Unspecified	
69	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	53.2	11	Immature	Stand was harvested in 2007. Old ORV Access sale. 73-008-01-01. Aspen, maple and some oak removal.
70	6112 - Lowland Aspen	Sapling Medium	5.5	12	Immature	Stand harvested in 2006. Eastman Mix sale. 73-013-05-01.
71	6113 - Lowland Maple	Sawtimber Medium	33.7	88	Unspecified	Very wet stand. Essentially mixed deciduous over marsh grass. Stand dead ash due to EAB infestation.
72	6126 - Lowland Jack Pine	Poletimber Well	35.8	26	Immature	Stand harvested in 1992. Tanglefoot Jack Pine sale, 73-010-90-01. Jack pine over blueberry.
74	6112 - Lowland Aspen	Poletimber Medium	6.1	38	Unspecified	Aspen is showing signs of decadence. Much blackened bark. Overall, stand is too wet and too small to harvest. Stand is coming into red maple logs generally.
75	4125 - Black, N. Pin Oak	Poletimber Poor	26.5	91	1-50	Stand was harvested in 2007. Old ORV Access sale. 73-008-01-01. Approximately 10 BA of saw-log sized oak was left as seed source/shelterwood.
76	6114 - Lowland Oak	Sapling Poor	22.7	14	Immature	Stand is somewhat under stocked, however oak is slowly coming in.
78	6113 - Lowland Maple	Poletimber Medium	12.3	55	1-50	This stand was formerly a part of stand 104 which was harvested in 2011. AA Red Pine sale. 73-009-08-01. This stand was left as too wet to harvest. Narrow band of marginal upland arches through the stand. Otherwise tag alder and marsh grass with lowland deciduous. Much standing dead ash due to EAB infestation.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
79	4125 - Black, N. Pin Oak	Sawtimber Poor	19.0	88	1-50	Treated 2014; Highlands Oak 73-008-10-01. Pockets of low ground. a few vernal ponds. Oak seedlings and saplings are slowly coming up in pockets.
80	6113 - Lowland Maple	Poletimber Medium	10.1	40	Unspecified	Forest over standing water with marsh grass and tag alder.
82	4125 - Black, N. Pin Oak	Poletimber Medium	17.2	38	1-50	Very hilly ground. A few 30" plus DBH 7-8 stick super canopy oak.
84	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	32.6	26	Immature	Stand harvested 1992. Excursion Blocks sale, 73-011-90-01. A wide upland sandy ridge winds through the stand. The oak is primarily established on the ridge. Lowland red maple dominates the remaining abundant lowlands. Very wet in areas. Quaking aspen located in the southern portion of the stand.
85	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	19.9	38	Unspecified	Total mortality in ash due to EAB. Left red maple as the primary species. Much standing water with marsh grass. Pockets of tag alder throughout.
87	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	27.5	77	51-80	Very hummocky ground. Poor site overall. Very wet in many areas.
89	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	12.3	71	51-80	Stand has marginal upland pockets. Overall stand is mixed deciduous over marsh grass, tag alder and much standing water. Difficult to impossible access for harvest.
93	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	18.7	27	Immature	Pit and mound topography, Surrounded by wet on three sides and private to the east.
94	4139 - Aspen, Mixed Deciduous	Poletimber Medium	10.9	43	1-50	Access off Grim Rd. will require a large culvert as the road is deeply ditched.
95	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	14.9	46	Unspecified	Very wet low density stand. Stand growing over marsh grass and tag alder. Too wet to harvest.
96	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	72.7	67	Unspecified	Riparian zone of the Little Molasses River. Flood plain. Steep drop from stands south in many places. Standing dead ash scattered about. Mortality due to Emerald Ash Borer.
98	4125 - Black, N. Pin Oak	Sapling Medium	31.0	12	Immature	This oak stand was harvested in 2006. Some advanced regen in spots. About 10 BA of larger oak left. Stand very wet in places. Particularly along Smith Grade.
99	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Poor	11.5	4	1-50	The planted red pine is vigorous and healthy. Very little mortality. There is a significant amount of natural oak, red maple and aspen regeneration as well. The oak regeneration is concentrated on the uplands. The aspen and red maple are scattered throughout. Stand was harvested in 2011; AA Red Pine Sale # 9-2008. Stand was trenched and hand planted to red pine in 2014.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
100	6112 - Lowland Aspen	Sapling Well	8.2	29	Immature	Stand is just coming into poles. Very wet. Stand harvested in 1989.
101	6112 - Lowland Aspen	Sapling Medium	8.7	10	Immature	Stand was harvested in 2008. Klender Grim Harvest sale # 73-016-06-01. Aspen and oak heavily browsed by deer in numerous places. Northern white Cedar retained during harvest along perimeter and a few wet draws along the western boundary.
103	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	17.4	40	1-50	Generally low ground with a few small hills.
104	6112 - Lowland Aspen	Sapling Poor	13.5	7	Unspecified	Stand was harvested in 2011 as part of the AA Red Pine sale 73-009-08-01. Much standing water with trees growing up through marsh grass and tag alder.
106	4131 - Aspen, Oak	Poletimber Well	44.6	67	Unspecified	Moderately hilly terrain. Trace of mature large spreading canopied oak in the southern portion of the stand. Large/ XLarge sized Red Pine in the southern tip of stand as well. Very Steep in places.
108	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	5.3	57	111-140	Red pine stand was planted in 1961. Thinned April 2011; AA Red Pine Sale, 73-009-08-01. Some low pockets with blueberry and leatherleaf.
110	42110 - Planted Red Pine	Poletimber Well	9.7	57	111-140	Red pine stand was planted in 1961. Row thinned April 2011; AA Red Pine sale, 73-009-08-01. Slightly hilly terrain.
111	4199 - Other Mixed Upland Deciduous	Sapling Well	5.7	50	1-50	Stand is surrounded on all four sides by either water, wetland and/or lowland wet cover types. Essentially a slightly upland island.
112	42110 - Planted Red Pine	Sapling Poor	22.8	4	Immature	Stand is fully stocked with hand planted red pine. Saplings appear vigorous and healthy. Very little mortality. Stand was harvested 2010, AA Red Pine, # 9-2008. Stand was trenched and planted to red pine in 2014. Saplings are 2 to 3 feet tall. A super canopy of white pine was retained as an island in the southeast of the stand.
114	4125 - Black, N. Pin Oak	Sapling Well	4.3	19	Immature	Stand was harvested in 1999, as part of Katzer Road Aspen Sale#73-24-98-01.
115	4125 - Black, N. Pin Oak	Poletimber Medium	7.6	52	1-50	Hilly acidic ground. Various small openings within property.
118	4131 - Aspen, Oak	Poletimber Well	23.5	31	Immature	
119	4125 - Black, N. Pin Oak	Sapling Poor	49.6	19	Immature	Hummocky ground with sand ridges and knolls mixed with low pockets of wet areas. Vernal ponds. Maple tied to wet ground. Stand was final harvested in 1999. Katzer Rd Aspen sale #73-24-98-01. Heavy deer browse on oak in scattered places.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
120	4125 - Black, N. Pin Oak	Sapling Poor	6.6	19	Immature	Sandy loam uplands with lowland pockets of marsh grass. Stand was final harvested in 1999. Katzer Rd Aspen sale #73-24-98-01.
123	4125 - Black, N. Pin Oak	Sapling Poor	6.4	19	Immature	Stand was final harvested in 1999. Katzer Rd Aspen sale #73-24-98-01.
124	6113 - Lowland Maple	Poletimber Well	22.4	91	51-80	True swamp. Too wet to harvest.
126	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	14.4	51	Unspecified	Blueberry/leatherleaf bog with white pine around the edges. Aspen is decadent with poor form and blackened bark. Stand is very wet.
127	6139 - Mixed Lowland Forest	Sawtimber Well	18.9	58	Unspecified	Pit and mound topography in areas, with some general areas of upland. Blueberry understory. Oak/white pine ridge cuts through the stand. More red pine in the northern portion of the stand.
128	42210 - Natural Red Pine	Sawtimber Well	27.9	59	111-140	Vernal ponds scattered throughout. Beautiful stand of natural red pine. Would prove difficult to harvest. Would require road construction through steep terrain and crossing very wet ground.
132	6121 - Tamarack	Poletimber Well	6.3	92	Unspecified	This tamarack stand is surrounded by wetlands and water therefore too wet to access. Stand age estimated using previous YOE inventory notes and visual inspection. Stand appears to be slowly dying out.
133	4199 - Other Mixed Upland Deciduous	Sawtimber Well	43.3	85	81-110	Trace amounts of white pine. Areas of very dense hazel and serviceberry in the east (up to pole size class.) West end has more open pockets with dense raspberry. Trace autumn olive. Stand had a shelter-wood harvest in 1999, Tag Alder Access sale #73-025-98-01. Harvest removed aspen, red maple, and paper birch, leaving oak.
134	6112 - Lowland Aspen	Poletimber Well	23.1	34	Unspecified	Very dense stand with lots of serviceberry and hazel in the understory (up to pole size class.)
135	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	11.6	55	Unspecified	A wet draw runs through the stand hemmed in with hemlock.
138	4125 - Black, N. Pin Oak	Poletimber Medium	31.2	93	81-110	
139	6112 - Lowland Aspen	Poletimber Well	6.9	42	81-110	Much standing dead ash due to EAB. Numerous wet in pockets. Very undulating ground.
140	4125 - Black, N. Pin Oak	Sawtimber Poor	16.1	93	1-50	Shelterwood-seed harvested 2008. Klender Grim Harvest 73-016-06-01. Retained approximately 20 BA oak. Hold for regeneration purposes.
141	6126 - Lowland Jack Pine	Sapling Well	26.1	31	Immature	High density jack pine stand. Thick ground cover of low brush. Some galling noted on jack.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
143	6113 - Lowland Maple	Sawtimber Poor	16.6	91	1-50	Stand is a true swamp. Large areas of standing water. Very wet ground. Cranberry bogs through out with tag alder.
145	4131 - Aspen, Oak	Sapling Medium	34.7	10	Immature	There are many areas of standing water. Stand was harvested in 2008. Klender Grim Harvest sale # 73-016-06-01. Heavy deer browse in patches.
146	6112 - Lowland Aspen	Sawtimber Well	1.3	55	81-110	Appears to be retention left after the Klender Grim Harvest in 2009. This is a very wet low quaking aspen draw.
149	6113 - Lowland Maple	Poletimber Poor	26.6	44	1-50	
150	4125 - Black, N. Pin Oak	Poletimber Well	11.2	66	51-80	The southern portion of the stand has a few super canopy oak near Klender Rd. Generally it is a knoll that tapers down to lower ground toward the east.
151	6113 - Lowland Maple	Poletimber Medium	5.6	56	51-80	This stand is in a drainage. There is a lot of standing water in it along with a component of northern white cedar. The stand has complete mortality of Ash due to EAB. Red maple is now the dominant species. There are however, some live ash saps in the understory at this time.
152	4199 - Other Mixed Upland Deciduous	Sapling Poor	14.1	10	Immature	Stand was harvested in 2008 with T'sale Klender Grim Harvest sale # 73-016-06-01. Heavy deer browse on oak seedlings. Large wet meadow in middle of stand. The rest of the stand is a bowl shaped ridge. Noted trace of Autumn olive. Pole sized oak and maple retained during harvest. Trace of mature hemlock in stand.
154	4136 - Aspen, Mixed Conifer	Sawtimber Well	4.9	55	81-110	Very large wolfy Black/Red Hybrid Oak at north. Mast source. Stand is basically a knoll tapering to wet ground on three sides.
155	4130 - Aspen	Sapling Well	28.0	30	Immature	Stand was harvested in 1988. Bad Acres II sale, 73-055-87-01. Previous inventory note indicates; "the stand is currently pushing poles and doing well".
160	4125 - Black, N. Pin Oak	Sawtimber Poor	21.0	87	1-50	Stand was shelterwood harvested as a part of Klender Grim Harvest; 73-016-06-01, leaving 20-30 BA of oak and removing all jack pine and aspen. A medium density of oak saplings are beginning to emerge. Hold stand ten years for regeneration purposes. Then, reevaluate.
162	4125 - Black, N. Pin Oak	Sawtimber Medium	7.1	87	1-50	This stand is an oak ridge that was left after Stand 240 was harvested and replanted. The stand is partially filled with ditch spoils and stumps through the center in an apparent attempt to prevent continued illegal dumping.
164	6113 - Lowland Maple	Poletimber Poor	47.8	67	1-50	The trees in the stand were formerly mostly black ash with some green ash. Ash appears to have died due to EAB, and are standing dead. Red maple now dominates the stand. The ground cover is a mix of tag alder, cattails, and reed grasses.; much standing water; true swamp.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
165	42200 - Natural White Pine	Sawtimber Well	15.2	58	81-110	White pine dominates the stand. Mostly marginal upland with low areas meandering through the stand. A few very large white pine super-canopy trees.
168	4125 - Black, N. Pin Oak	Sawtimber Poor	12.7	93	1-50	Stand was shelterwood harvested in 2008 with the Klender Grim Harvest sale # 73-016-06-01. Regen in oak is somewhat spotty still. The regen is mostly in clumps; this applies to jack pine as well.
172	6114 - Lowland Oak	Poletimber Poor	71.4	43	1-50	The stand is a mix of uplands and lowlands with the lowlands being the majority. This is a very poor site for timber production. Good wildlife habitat. Very wet and boggy with small islands of acidic uplands. The aspen is generally poor quality as it is stunted and growing off site.
173	4199 - Other Mixed Upland Deciduous	Sapling Well	31.9	11	1-50	Stand was harvested in 2007. Drifter Oak sale; 73-009-05-01. There is a minor over-story of oak and pine remaining in the stand.
174	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	98.2	9	1-50	Stand was harvested in 2007. Drifter Oak sale; 73-009-05-01. Stand was inter-planted to jack pine in 2009 per FTP# C73-778. There is an over-story of oak and red pine which is less than 10 BA.
179	4126 - White, Black, N. Pin Oak	Poletimber Poor	37.4	60	1-50	Stand was harvested in 1997. Open areas filling in with oak and aspen saps. More dense areas of canopy have no saps. Seedlings are sparsely coming in under dense canopy areas however.
180	4199 - Other Mixed Upland Deciduous	Poletimber Well	7.7	40	51-80	OPIC - FMD: The stand is a mix of aspen, maple and oak.
181	6112 - Lowland Aspen	Sapling Medium	99.8	11	Immature	Stand coming up, in multiple large patches. Low ground with a few barely upland ridges. Lowland brush, rushes, and grasses. Open water in a few pockets.
182	4131 - Aspen, Oak	Sapling Well	11.7	12	Immature	This aspen stand was harvested in 2006. Regenerating well. High ground.
191	6113 - Lowland Maple	Poletimber Medium	11.3	82	1-50	Much standing water. Too wet and low acres to harvest. Standing dead ash logs and poles due to EAB. Aspen is being replaced with red maple.
192	6113 - Lowland Maple	Poletimber Medium	44.7	91	1-50	This stand has 100% ash mortality due to EAB. True swamp. Very wet stand. Too wet to harvest.
193	6119 - Mixed Lowland Deciduous Forest	Sapling Well	15.3	39	Unspecified	OPIC - FMD: MIXED OAK AND RED MAPLE REPRODUCTION.
194	6126 - Lowland Jack Pine	Sapling Medium	20.0	9	1-50	Stand was harvested in 2007. Drifter Oak sale; 73-009-05-01. Stand was inter-planted to jack pine in 2009 per FTP# C73-778. There is an over-story of oak and jack pine which is less than 10 BA.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
196	4125 - Black, N. Pin Oak	Sawtimber Medium	19.7	91	51-80	The stand appears to have been thinned many years ago, leaving about 50 to 80 BA.
198	4131 - Aspen, Oak	Poletimber Well	17.8	20	Immature	Stand was final harvested in 1998. It lies almost completely on a dry sandy upland ridge.
202	6113 - Lowland Maple	Sawtimber Medium	19.7	91	1-50	Very mature lowland maple forest. Very wet. True swamp. Standing ash, all dead from EAB. Some ash saps unaffected yet. Intermittent flows of water.
203	4131 - Aspen, Oak	Poletimber Medium	57.7	39	51-80	This stand generally follows a series of sandy ridge which taper to lower ground toward the south.
209	4130 - Aspen	Sapling Well	8.4	33	Unspecified	
211	6113 - Lowland Maple	Poletimber Poor	10.4	55	1-50	Heavy inclusions of tag alder. mostly poles Appears previous stand is succeeding to predominately red maple. Remaining aspen is becoming decadent with blackened bark. Complete ash mortality due to EAB. Ground cover is dominated by marsh grasses and much standing water.
215	6112 - Lowland Aspen	Sawtimber Well	19.9	58	111-140	Marginally wet ground, but possible to harvest under dry or frozen conditions. Aspen is holding well. Good growth on aspen and red pine.
220	4131 - Aspen, Oak	Poletimber Well	23.0	32	51-80	Final harvested in 1986. Very hilly ground. Steep upland ridges with low pockets of tag alder and willow.
221	6112 - Lowland Aspen	Poletimber Well	29.3	40	Unspecified	A few small pockets of northern white cedar in stand. Stand very wet in places with standing water. Slight upland along ridges. Mostly aspen poles coming into logs.
222	6112 - Lowland Aspen	Poletimber Well	54.0	39	51-80	Stand was final harvested in 1979. Stand is very wet in places and will have to be treated under dry/ frozen conditions when it meets rotation age. Vernal ponds and standing water.
224	4199 - Other Mixed Upland Deciduous	Poletimber Well	43.9	21	Immature	This stand was final harvested in 1997. Very hummocky ground Generally not much elevation difference from upland to lowland.
227	4131 - Aspen, Oak	Poletimber Well	20.8	20	Immature	Stand was harvested in 1998. Fairy Tail Aspen sale 73-012-95-01.
228	4130 - Aspen	Sapling Well	17.3	20	Immature	Stand was final harvested in 1998. Observed red shouldered hawk.
229	6113 - Lowland Maple	Poletimber Medium	8.3	31	1-50	Stand harvested in 1987. Some Vacation sale 73-027-86-02. Minor overstory of log and Xlog sized oak. Much standing pole and log sized dead ash due to Emerald Ash Borer.
231	4131 - Aspen, Oak	Sapling Well	9.4	12	Immature	Stand was harvested in 2006. Black knot very prevalent on cherry.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
234	4130 - Aspen	Sapling Well	35.2	20	Immature	This stand was harvested in 1998. Klender Road Aspen 73-021-96-01. It has regenerated fairly well. The stand is a mix of aspen and maple with some oak. The terrain is undulating with drainages in it.
235	6112 - Lowland Aspen	Poletimber Well	19.7	45	1-50	This stand is only marginally upland in places. Standing water in much of the stand. Aspen is showing signs of decadence.
236	4130 - Aspen	Poletimber Well	16.8	32	81-110	Some blow down within the stand. Overall looks good.
237	4130 - Aspen	Poletimber Well	28.5	43	81-110	Trace of hemlock toward the middle lower portion of stand. Individual cedar scattered near lower portion of stand as well. A few super canopy red/black and white oak .
238	6112 - Lowland Aspen	Poletimber Well	5.5	32	81-110	Stand has a fairly dense component of paper birch. Ground is mostly low with marginal high areas. Standing dead ash accounts for 5% of stand.
239	4131 - Aspen, Oak	Sapling Well	6.9	21	Immature	Stand is located on a gentle rise with pockets of lower ground. Somewhat undulating. Stand is vigorous and appears healthy. Trace of standing live ash saps and poles.
240	6126 - Lowland Jack Pine	Sapling Well	46.5	20	Immature	The stand was planted and it is doing well. Currently it is a predominately jack pine with pockets of aspen and oak. The stand is wetter than some of the other jack pine stands in the area.
241	4319 - Mixed Upland Forest	Poletimber Well	14.7	43	81-110	The stand is hilly with low pockets of tag alder.
242	6126 - Lowland Jack Pine	Sapling Well	6.5	20	Immature	A fair amount of galls were noted on jack pine. Stand just coming into poles.
243	42120 - Planted Jack Pine	Sapling Well	6.4	20	Immature	The stand was planted to jack pine. There are pockets of A3 and O3 in the stand but the major species is jack pine. There are also some pockets of wet ground with leather leaf and swamp blueberry.
244	42120 - Planted Jack Pine	Sapling Well	19.4	20	Immature	Stand is almost into poles. Some galls noted on jack pine.
245	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	23.7	20	Immature	Stand is a mix of jack pine, oak with some aspen in pockets. Overall the stand is doing well but there are some stem galls on the jack pine. Most of the galls are not on the main bole of the trees.
246	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	21.7	7	Immature	Stand was planted in 2010. Vigorous healthy regen.
254	6112 - Lowland Aspen	Poletimber Well	12.0	53	81-110	Wet with uplands.
255	6113 - Lowland Maple	Poletimber Medium	8.5	67	81-110	Very low ground. Standing water with marsh grass. True swamp.

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Gladwin Mgt. Unit

Report 7 – Forested Stands

Compartment: 75
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
256	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	6.7	65	81-110	True Swamp. Very wet. Much standing water. Hummocky ground. Dead ash.
257	4131 - Aspen, Oak	Poletimber Medium	13.3	43	1-50	Very hilly terrain. Stand appears somewhat immature for its age.
258	6112 - Lowland Aspen	Poletimber Medium	20.8	38	81-110	Aspen is growing off site and some trees are stunted with poor form. Much standing water throughout. Very wet site.
259	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	16.0	42	1-50	Too wet to harvest. Off site aspen; some are poorly formed and stunted with blackened bark. Boggy in places.
260	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	14.1	48	1-50	Aspen is beginning to decline in some areas of the stand with blackened bark. A two-track runs through the stand along a ridge; otherwise the stand is too wet to harvest. Stand is growing over marsh grass and full standing water, with scattered small leatherleaf and blueberry bogs.



Stand	Cover Type	Acres	Managed Site	General Comments:
15	6220 - Alder/willow	24.4	No	Alder/willow with marsh grass and low density red maple. Open water in places.
16	122 - Road/Parking Lot	0.4	No	School Road.
17	6220 - Alder/willow	3.1	No	
18	6220 - Alder/willow	5.0	No	
19	122 - Road/Parking Lot	11.6	No	Eastman Road.
24	6225 - Bog	4.9	No	OPIC - FMD:
27	3302 - Low Density Conifer Trees	4.8	No	Grassy opening. Mostly jack pine saps and poles. Appears to be a traditional deer hunting campsite.
32	6220 - Alder/willow	1.5	No	
35	6220 - Alder/willow	3.1	No	
52	500 - Water	18.8	No	Noted beaver activity.
53	6233 - Wet Meadow	12.3	No	
57	621 - Floating Aquatic	10.5	No	
59	500 - Water	6.6	No	Little Molasses River.
61	621 - Floating Aquatic	57.5	No	
68	6224 - Treed Bog	3.6	No	
73	6225 - Bog	1.7	No	
77	6224 - Treed Bog	9.6	No	Some sawtimber oaks (supercanopy).
81	3301 - Low Density Deciduous Tree	1.6	No	This portion of the original prescribed stand was found to be too wet to harvest. Outer portions of stand were final harvested in 1999; Katzer Rd Aspen sale #73-24-98-01.



Stand	Cover Type	Acres	Managed Site	General Comments:
83	122 - Road/Parking Lot	4.7	No	Grim Road.
86	6229 - Mixed lowland shrub	17.4	No	Large L type that grades from marsh to tag alder.
88	6229 - Mixed lowland shrub	162.0	No	
90	6220 - Alder/willow	2.0	No	
91	6225 - Bog	4.3	No	
92	122 - Road/Parking Lot	1.7	No	Guernsey Creek Trail.
97	500 - Water	7.5	No	This is a beaver flooding that is mostly open water and tag alder.
102	6220 - Alder/willow	1.3	No	
105	6233 - Wet Meadow	4.3	No	
107	6220 - Alder/willow	1.7	No	
109	500 - Water	11.1	No	
113	6220 - Alder/willow	3.4	No	
116	500 - Water	28.0	No	
117	6239 - Mixed Emergent Wetland	1.5	No	
121	330 - Low-Density Trees	1.1	No	Stand was final harvested in 1999; Katzer Rd Aspen sale #73-24-98-01. It will not reach it's original management objective of aspen. Stand was too small to overcome deer browse. However, a low density of oak saps are coming in, although some of them exhibit heavy deer browse; which may suggest the fate of emerging aspen seedlings, if any.
122	621 - Floating Aquatic	87.0	No	
125	629 - Mixed non-forested wetland	0.3	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
129	621 - Floating Aquatic	6.1	No	
130	122 - Road/Parking Lot	1.7	No	Center Fireline Trail.
131	621 - Floating Aquatic	2.2	No	
136	6239 - Mixed Emergent Wetland	1.9	No	
137	122 - Road/Parking Lot	3.9	No	Klender Road.
142	330 - Low-Density Trees	5.9	No	Dense tag alder with openings of thick marsh grass. Clumps of maple scattered. Very wet.
144	6233 - Wet Meadow	162.5	No	Expansive wet meadow with small islands of conifer.
147	6220 - Alder/willow	144.4	No	This stand is a large L-Type that ranges from marsh to tag alder. There are isolated pockets of poor swamp hardwood regeneration, but for the most part it is very open.
148	330 - Low-Density Trees	0.0	No	
153	6223 - Inundated Shrub Swamp	3.8	No	
156	6220 - Alder/willow	17.7	No	Tag Alder swamp with marsh grass.
157	6220 - Alder/willow	24.7	No	OPIC - FMD: large L type that grades from marsh to tag alder.
158	621 - Floating Aquatic	8.5	No	
159	6224 - Treed Bog	22.6	No	Treed bog.
161	6225 - Bog	2.5	No	
163	6220 - Alder/willow	1.2	No	
177	6229 - Mixed lowland shrub	24.2	No	Large L type that grades from marsh to tag alder.
178	6229 - Mixed lowland shrub	97.5	No	Large L type that grades from marsh to tag alder.



Stand	Cover Type	Acres	Managed Site	General Comments:
183	621 - Floating Aquatic	7.9	No	
184	6224 - Treed Bog	20.9	No	Impressive blueberry bog with some white pine and paper birch saps and poles scattered about.
185	6225 - Bog	4.9	No	Small blueberry bog.
186	6225 - Bog	7.8	No	
187	6225 - Bog	7.4	No	
188	500 - Water	0.5	No	
199	6233 - Wet Meadow	14.1	No	DRY BEAVER POND. standing dead ash. Due to EAB .
208	6225 - Bog	6.4	No	
226	330 - Low-Density Trees	17.0	No	Very wet.