



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73052

Entry Year 2020

Acreage: 8,109

County Gladwin

Management Area: Gladwin Lake Plain

Revision Date: 2018-05-29

Stand Examiner: Steve Nyhoff

Legal Description:

T18N, R1E, Sections 1, 12

T18N, R2E, Sections 5-7

T19N, R1E, Sections 25, 36

T19N, R2E, Sections 19-22, 28-32

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:

The compartment is wet with 64% of the soil associations being poorly to somewhat poorly drained, 30% being moderate to well drained, and only 6% being well drained. Much of the terrain is hummocky and there are numerous broad base drainages that cut through many of the stands. The dry ground is associated with the scattered narrow ridges in the compartment.

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

The compartment is a contiguous block of state ownership. There are several private parcels along the boundaries. The private ownerships are both permanent and seasonal residences.

Unique Natural Features:

There are no records in the compartment and none were located during the inventory process.

Archeological, Historical, and Cultural Features:

There are two records in the compartment. None of the prescribed treatments are on or near either of the site, so there are no concerns.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

In the northwest portion of the compartment there are two manmade drains that flow into Black Creek. The east boundary is the Molasses River. There are also numerous drainages that flow into the drains and river from the compartment. These are warm water fisheries.

Wildlife Habitat Considerations:

Wildlife Habitat Considerations: Compartment #52 Both upland and lowland systems are present, making it suitable for many wildlife species. The compartment includes the Molasses River drainage and adjacent lowland complexes. The area is heavily utilized by out-of-County grouse and woodcock hunters and remains a very popular location for archers and firearm deer hunters. Game species likely to be present in this compartment include black bear, bobcat, raccoon, coyote, wild turkey, ruffed grouse, American woodcock and white-tailed deer. Many bird species stand to benefit from the juxtaposition of lowland and upland habitats present in the compartment. These species include gray catbird, redbellied vireo, white-breasted nuthatch, tufted titmouse, black-capped chickadees, eastern kingbirds and northern flicker. The lowlands in this compartment support various waterfowl, reptiles, amphibians, and their predators including raccoon, bobcat, mink, and great blue heron. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the lowlands as corridors as well as year-round habitat. The compartment is easily accessible to hunters via Three Rivers

Road to the west and Ridge Road to the north.

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. Some large Dundee oil fields are located in the region, and 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:

The compartment has several county roads associated with it. M-61 is the south boundary, Three Rivers Road is the west boundary, Secord Dam is the north boundary. Ridge Road, Mosquito Alley Truck Trail, Wildwood Road, and Herner road goes through the interior. These roads, with the associated two-tracks that come off them, makes access fair. There are many old logging trails that go deeper into the compartment that are used sporadically by the public. In addition, there are several gates that control access to DNR use only trails and to protect maintained wildlife openings.

Survey Needs:

The compartment has been heavily surveyed in the past. There are records of corner on most of the private land inholdings. Therefore, a survey is not needed at the current time.

Recreational Facilities and Opportunities:

The Midland to Mackinaw Boy Scout Hiking trail runs the entire width of the compartment. The compartment is heavily hunted. Because of the hunting focus many areas have been set aside for parking and disperse foot access for the state land.

Fire Protection:

Additional Compartment Information:

There are two RDRs in the compartment one is at N43.987312, W84.270686 which is on a closed trail that goes through a ravine. It has been heavily damaged by mudder trucks. The other is at N43.98999, W84.266287 which is at the end of Wildwood Road from the north. This area has been heavily damaged by ORVs going down to the Molasses River.

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 52

Year of Entry 2020

Steve Nyhoff : 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	269	433	512	606	524	363	0	0	0	0	8	0	0	0	0	0	0	2714
Bog	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	18	24
Cropland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Herbaceous Openland	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
Jack Pine	0	135	26	100	10	17	0	0	21	0	0	0	0	0	0	0	0	0	308
Low-Density Trees	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114
Lowland Aspen/Balsam Poplar	0	0	43	155	216	177	29	0	21	0	0	0	0	0	0	0	0	0	640
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	14
Lowland Deciduous	0	0	50	54	166	19	136	23	138	333	27	27	0	0	0	0	0	190	1162
Lowland Mixed Forest	0	0	0	0	8	22	0	8	0	0	0	0	0	0	0	0	0	13	51
Lowland Shrub	1572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1572
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	83	81	28	87	0	146	0	0	17	21	0	0	0	0	0	0	12	473
Natural Mixed Pines	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	5	17
Northern Hardwood	0	0	0	0	0	9	15	27	15	32	13	0	0	0	0	0	0	0	110
Oak	0	6	61	28	9	0	26	13	34	0	0	0	0	0	0	0	0	0	176
Red Pine	0	0	0	0	0	0	40	32	0	0	0	0	0	0	0	0	0	0	72
Tamarack	0	0	0	2	0	12	40	0	0	4	0	0	0	0	0	0	0	25	83
Treed Bog	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	190
Upland Conifers	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	0	5	35	37	0	0	47	0	0	0	0	0	0	0	0	0	0	0	124
Upland Shrub	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Urban	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Total	2126	498	729	935	1102	780	842	103	235	386	61	35	0	21	0	0	0	263	8105

Cover Type & Treatments Map

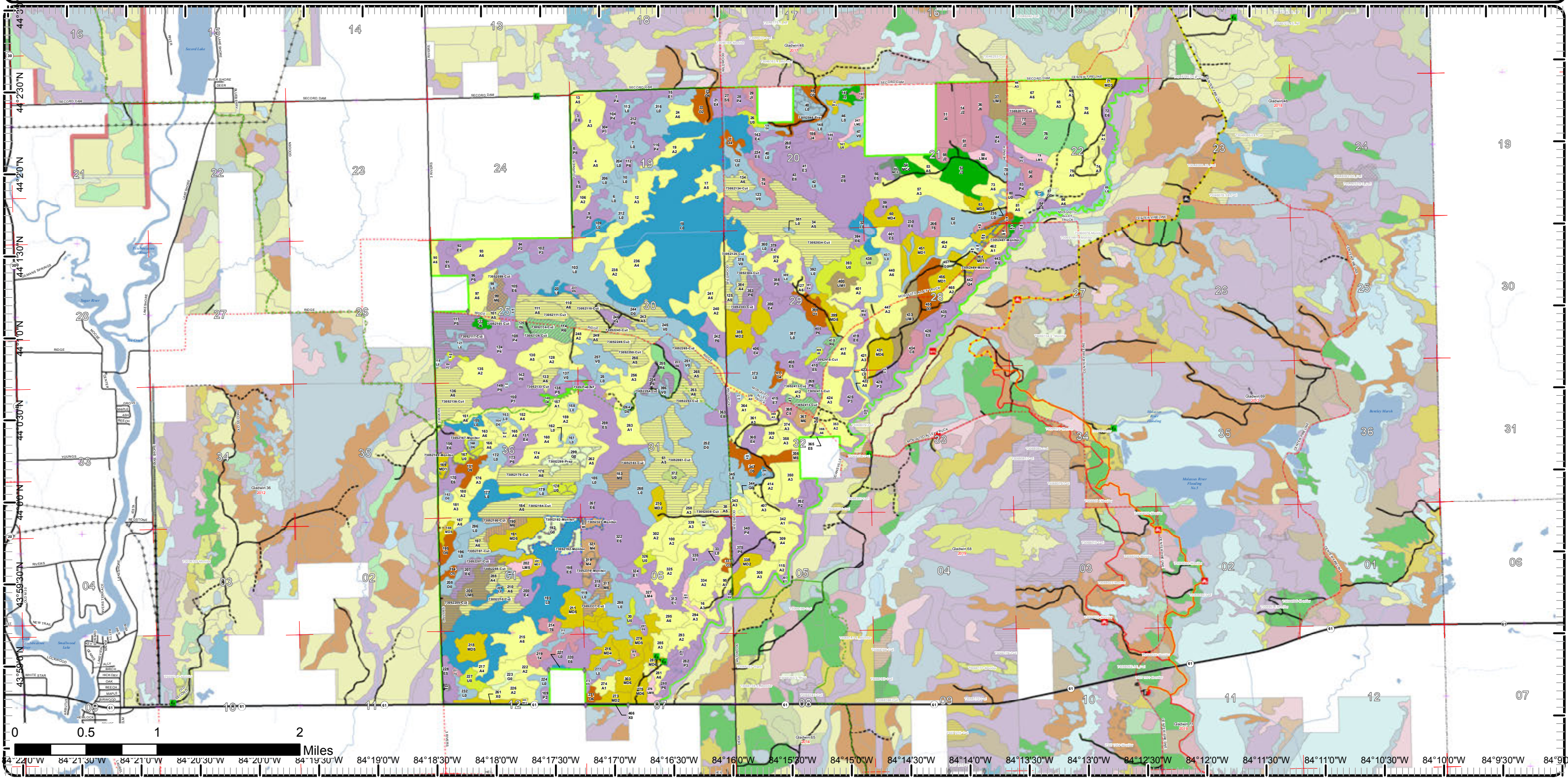
Compartment: 52
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 T18N - R02E Sec. 05-07
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 Unit: Gladwin
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 YOE: 2020
 Acres: 8,109 GIS Calculated
 Examiner: Steve Nyhoff
 Map Revised: 8/20/2018
 Map Phase: Post - Review



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- + Remonumented Section Corners
- ◆ Field Grade Corners
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- DNR - Forest Access Route
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- MCCCT Trails
- ORV Trails
- ORV Routes
- - - Designated Hiking Trails
- - - Designated Snowshoe Trails
- ORV License
- ORV License & Trail Permit
- Designated ATV Trails
- - - Designated ORV Route
- Michigan Cross Country Cycle Trail (MCCCT)
- ▲ Berms
- G Gate
- P Culvert
- P Parking Lot
- STOP Sign

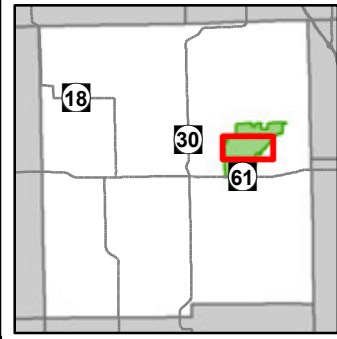
- ▲ Structures
- - - Intermittent Stream
- Lake/Pond
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- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
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- Regeneration Survey
- Shelter Wood (w/Reserves)
- Opening Maintenance
- Site Prep
- 411 - Northern Hardwood

- 412 - Oak Types
- 413 - Aspen Types
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- 430 - Upland Mixed Forest
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- 122 - Roads/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes

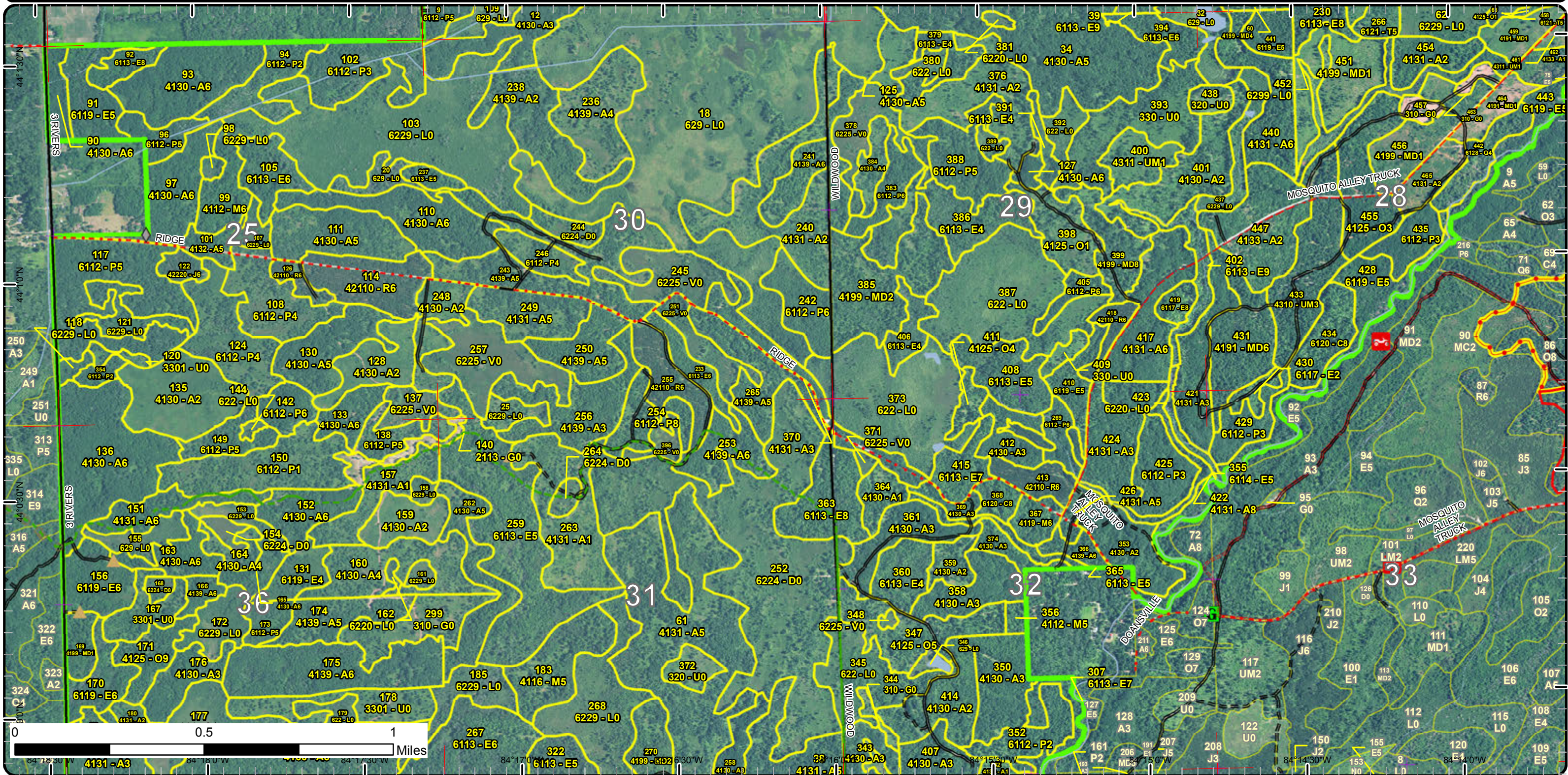


Stand Boundary Map

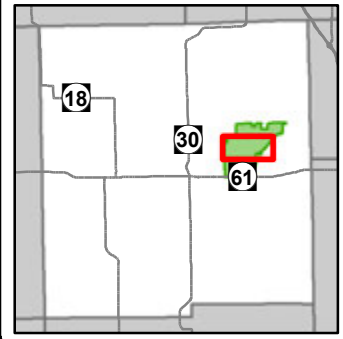
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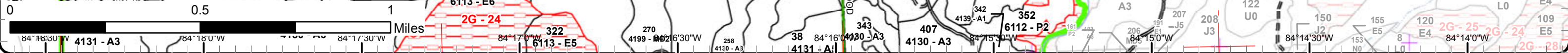
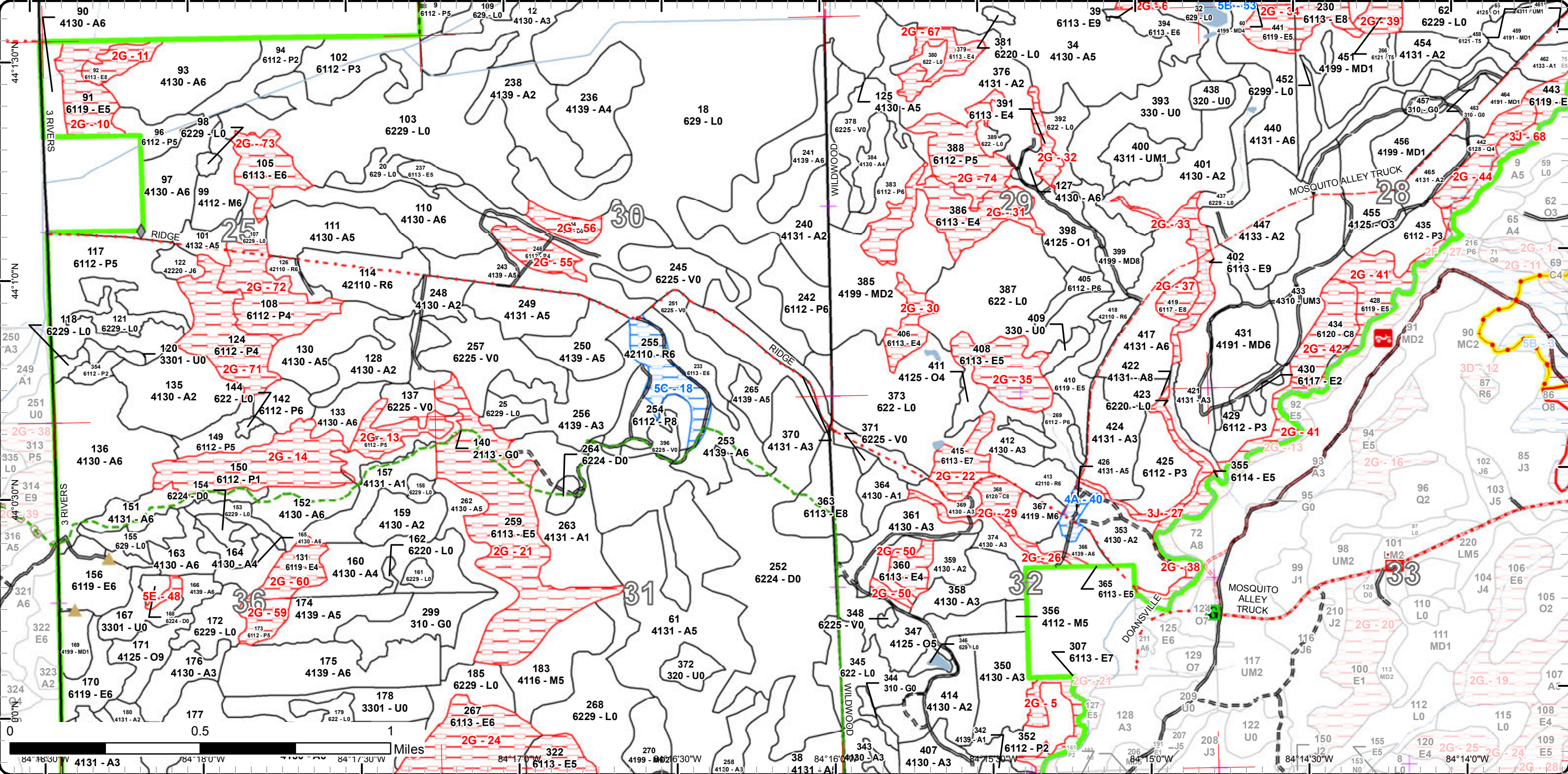


Cover Type & Treatments Map



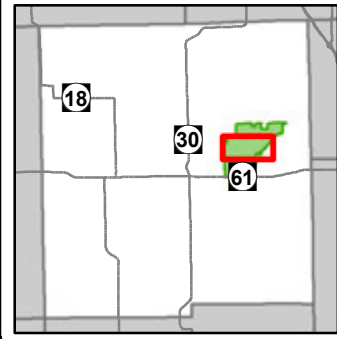
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- Unavailable
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries

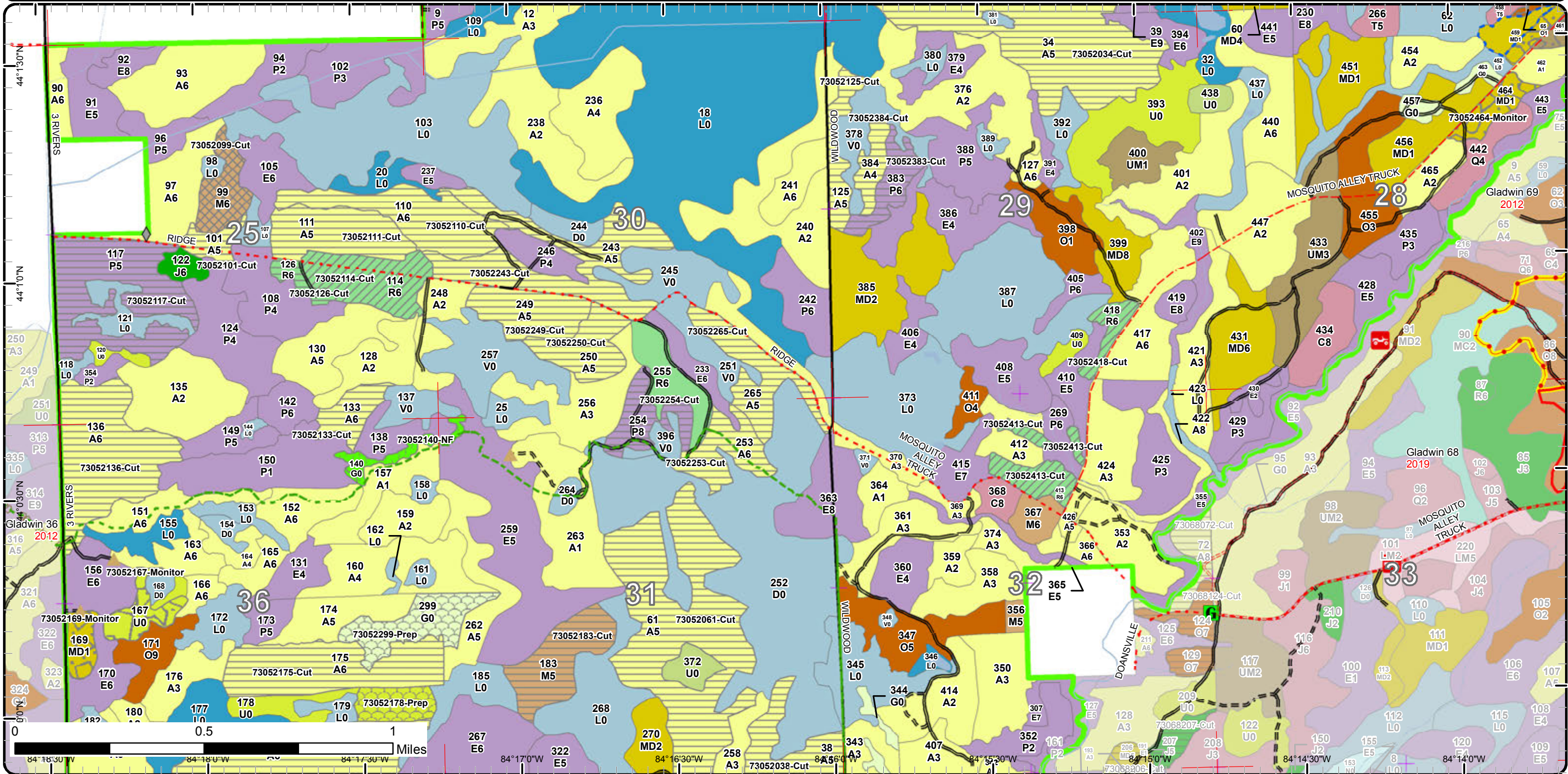


Special Conservation Areas & Site Conditions Map

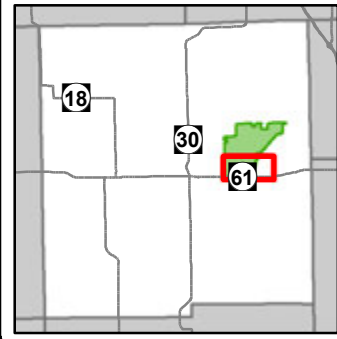
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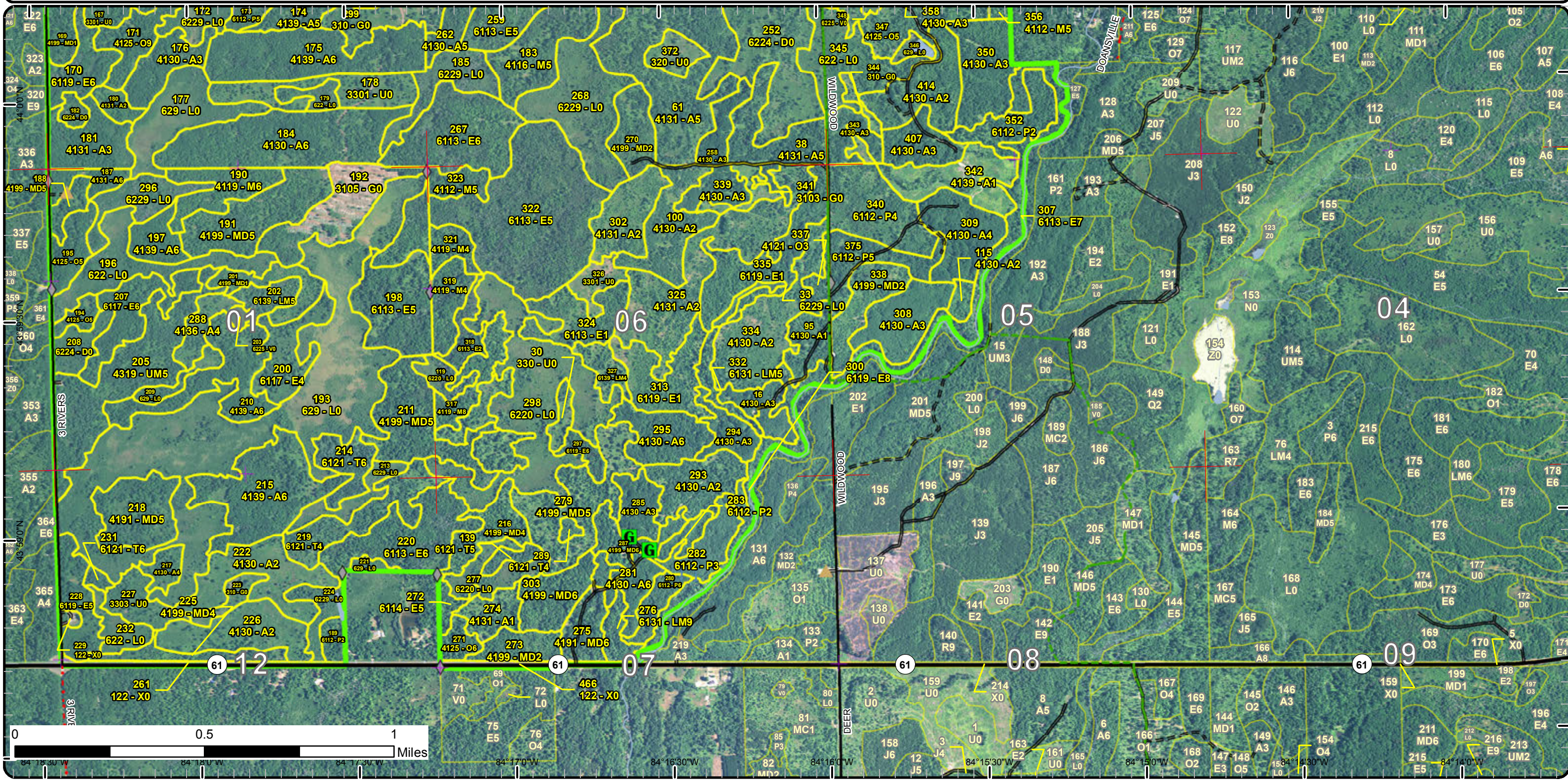


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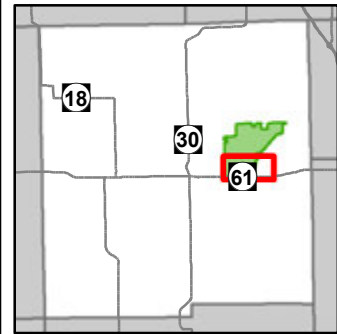


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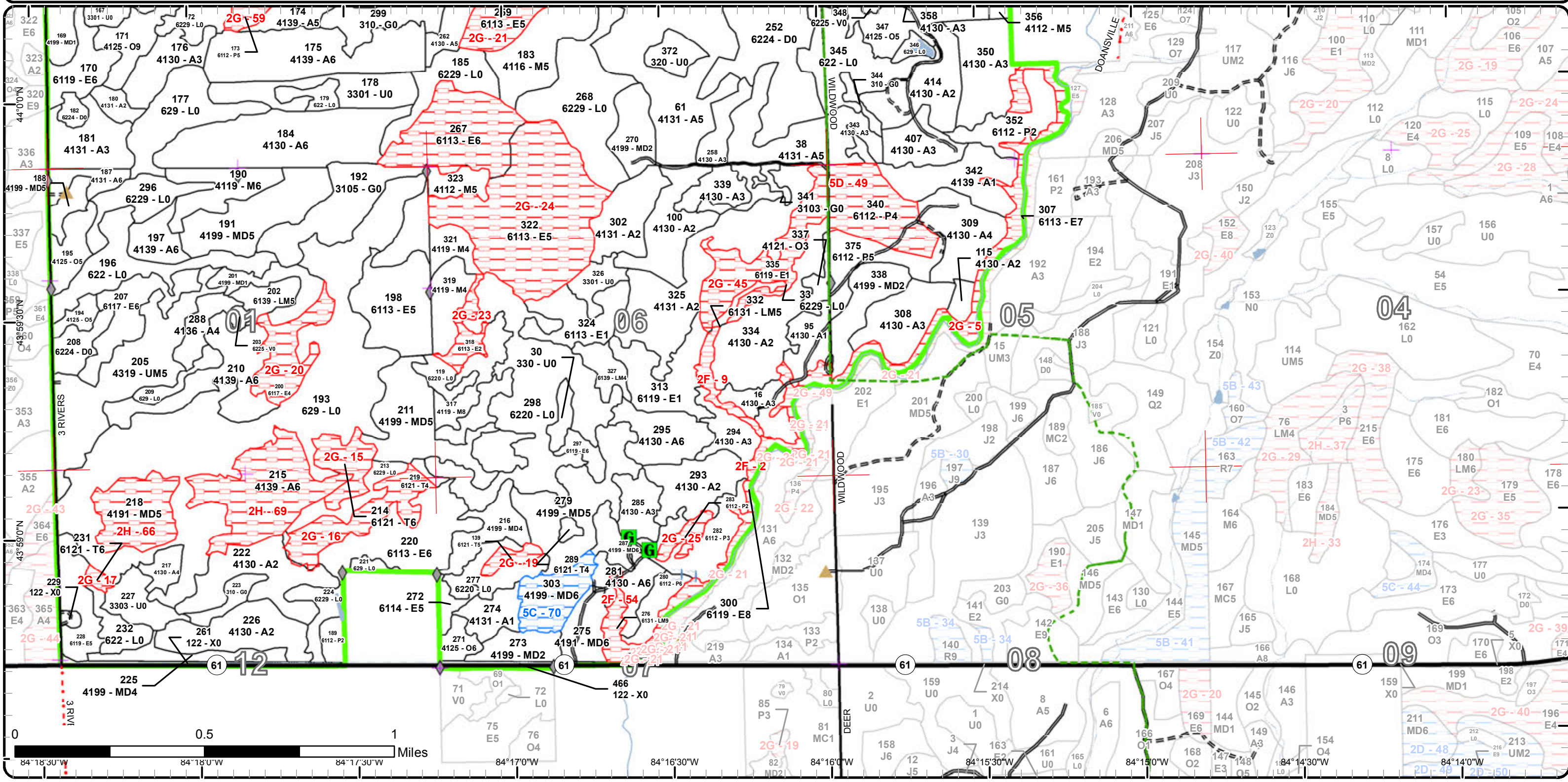


Cover Type & Treatments Map



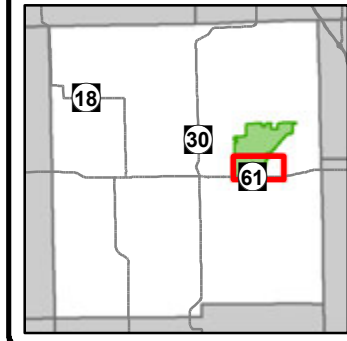
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- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
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- 5D: Unproductive Forest Land
- Stand Boundaries

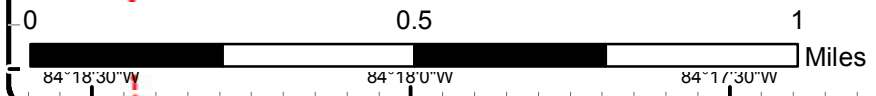
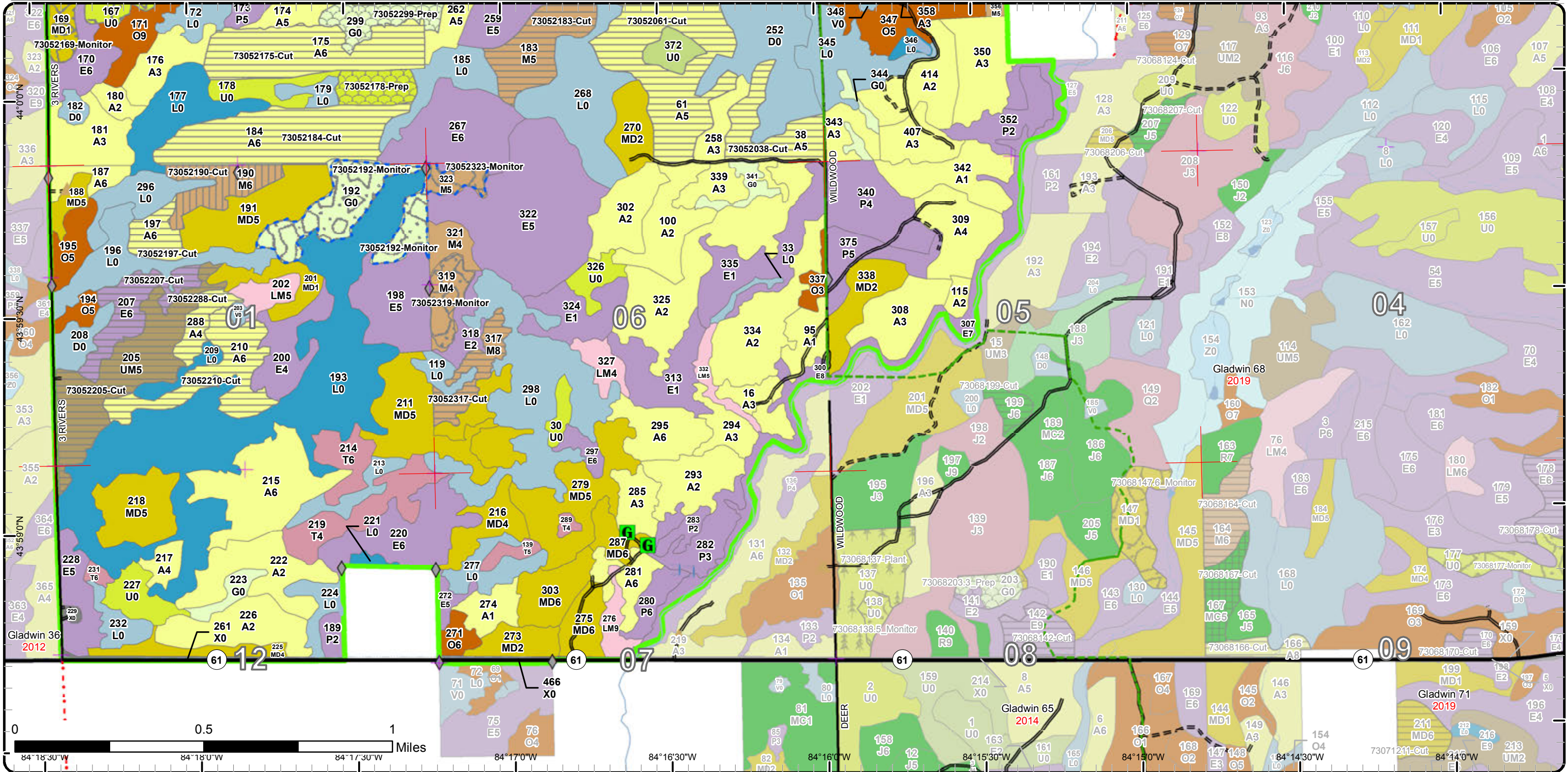


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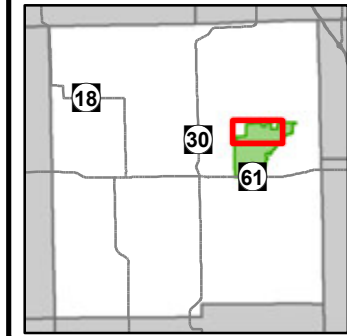


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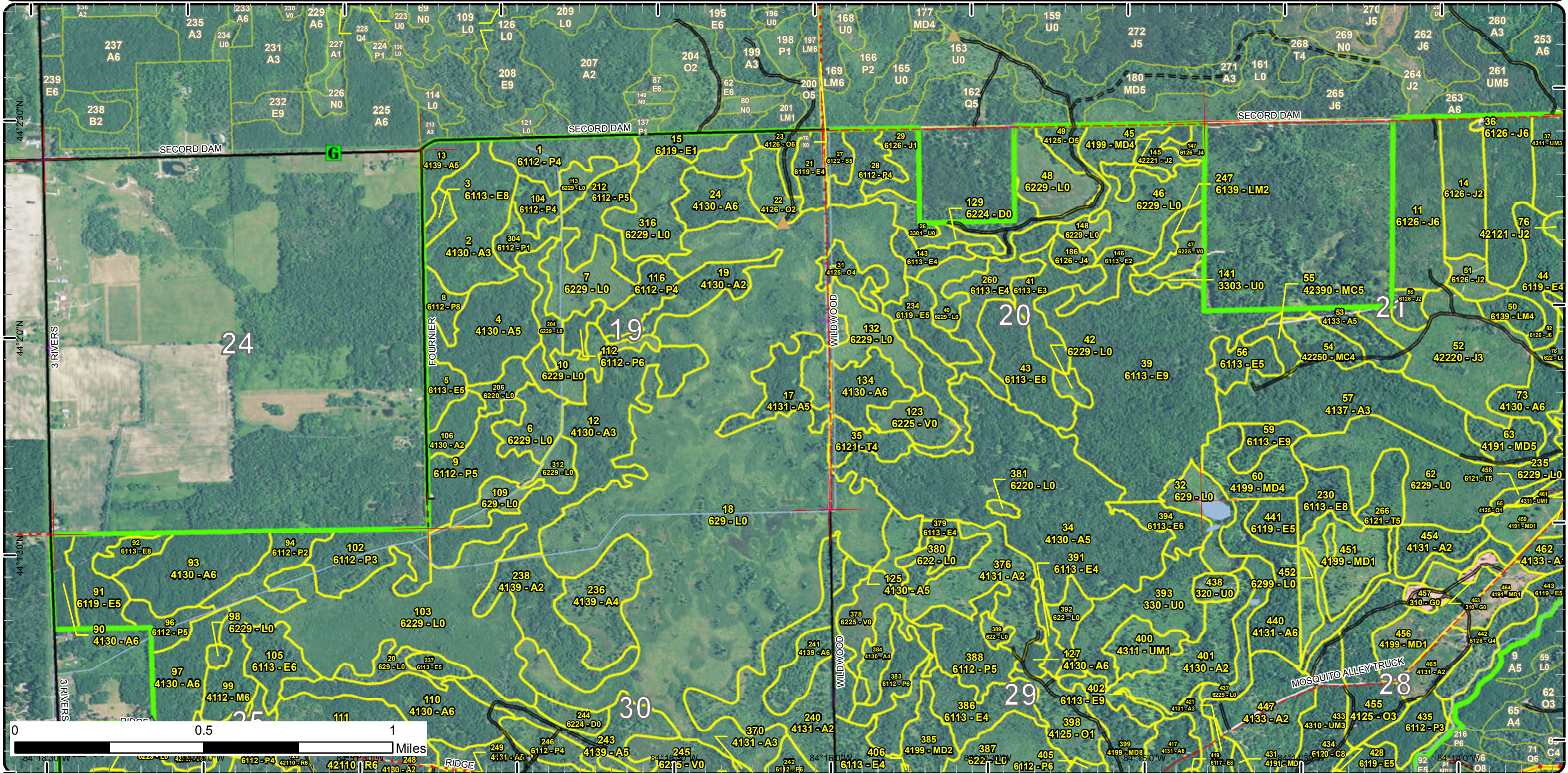


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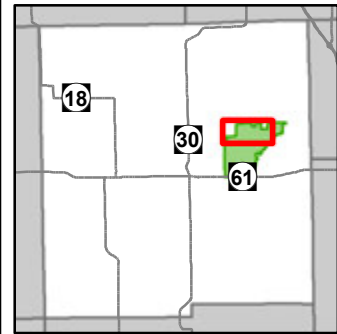


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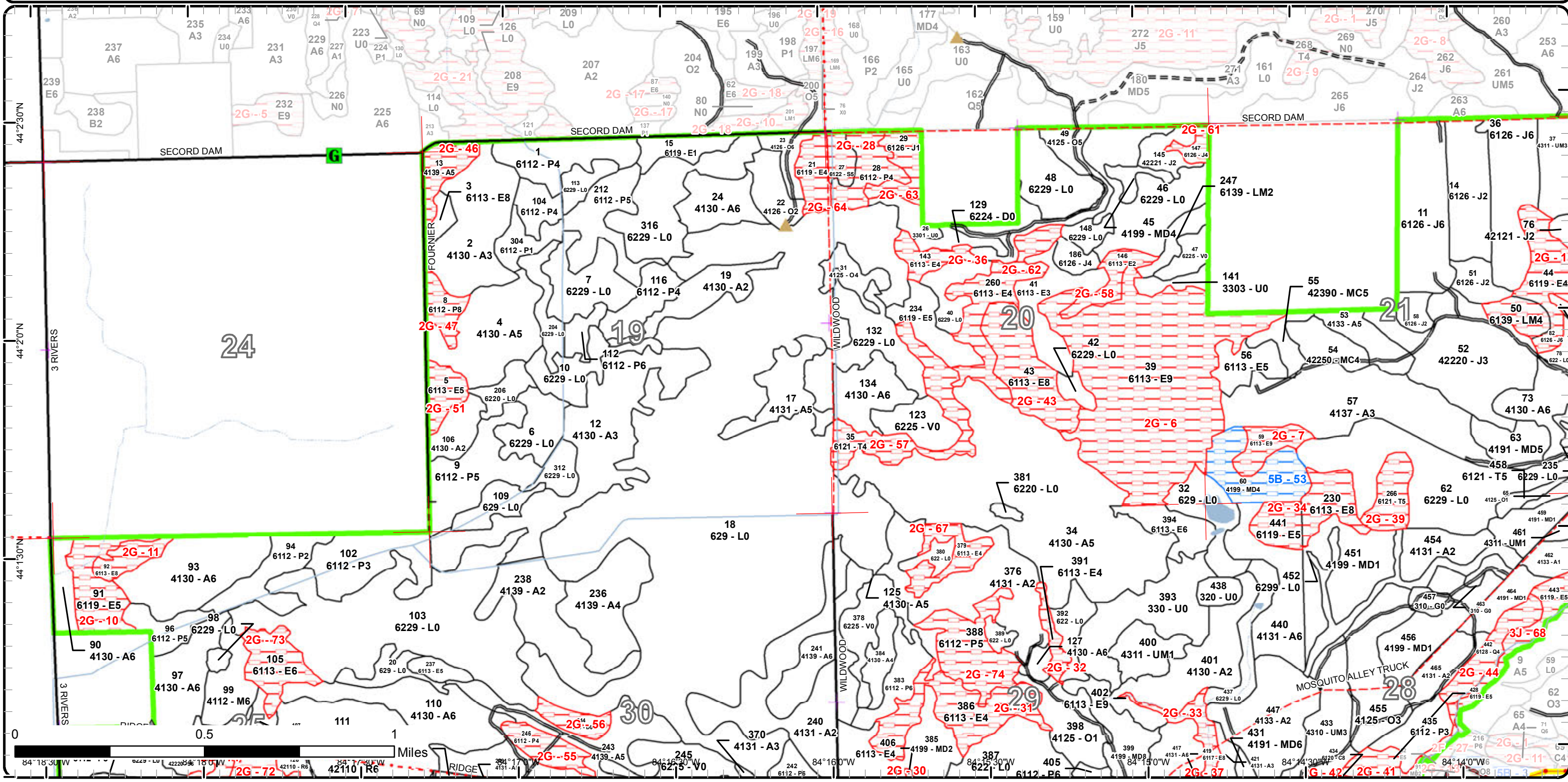


Cover Type & Treatments Map

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 T18N - R01E Sec. 01,12
 T18N - R02E Sec. 05-07
 T19N - R02E Sec. 19-22,28-32
 County: Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YOE: 2020
 Acres: 8,109 GIS Calculated
 Examiner: Steve Nyhoff
 Map Revised: 8/20/2018
 Map Phase: Post - Review

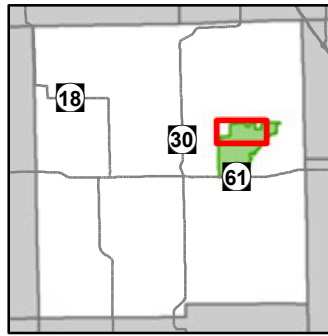


- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- ▲ Berms
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries

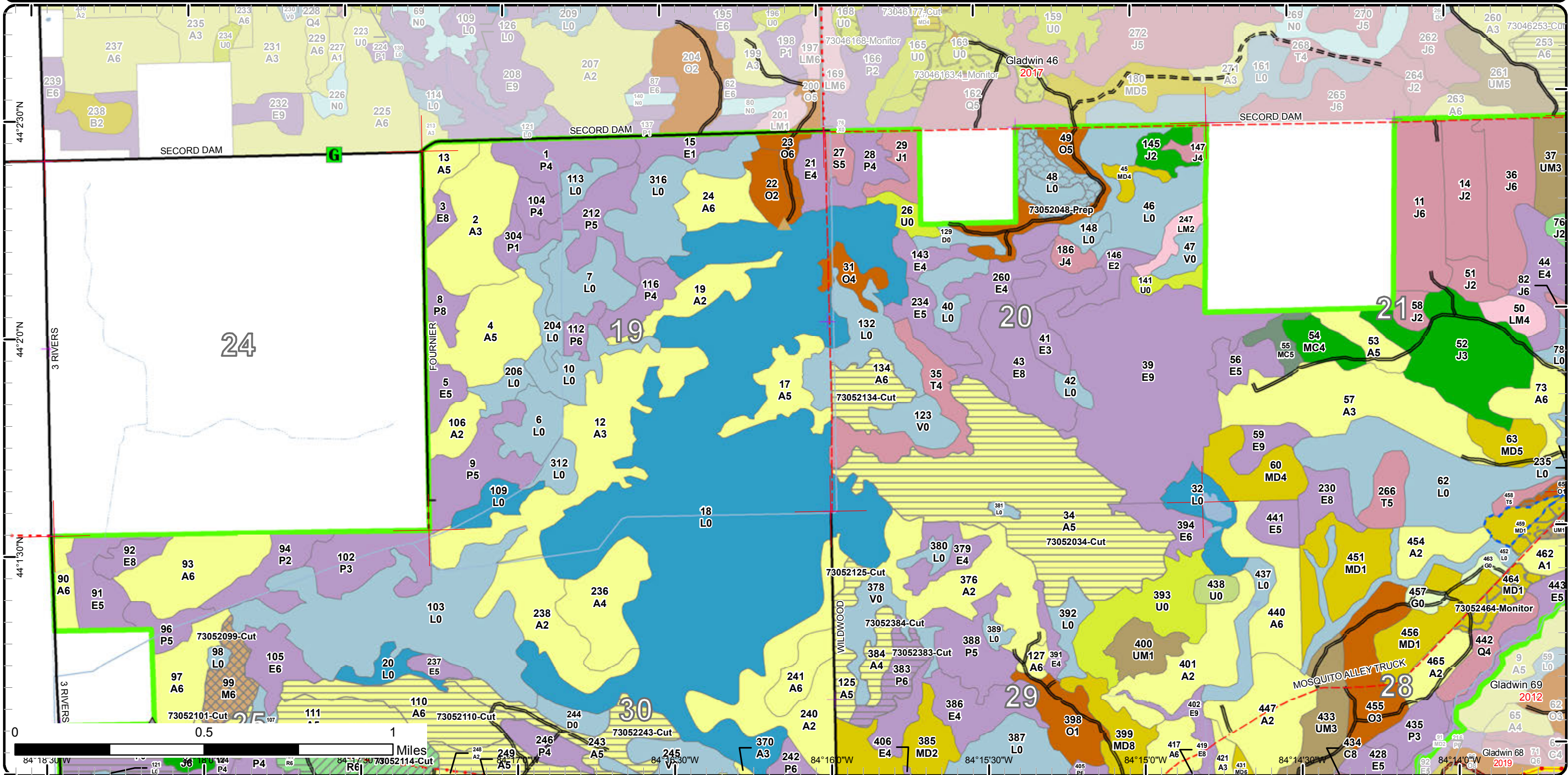


Special Conservation Areas & Site Conditions Map

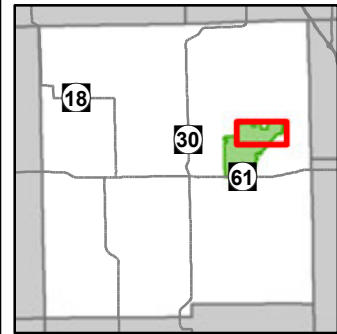
Compartment: 52
 T18N - R01E Sec. 01,12
 T18N - R02E Sec. 05-07
 T19N - R02E Sec. 19-22,28-32
 County: Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YOE: 2020
 Acres: 8,109 GIS Calculated
 Examiner: Steve Nyhoff
 Map Revised: 8/20/2018
 Map Phase: Post - Review



- Miris Corners
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- Counties
- DNR - Secondary Forest Road
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- Berms
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Site Prep
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes

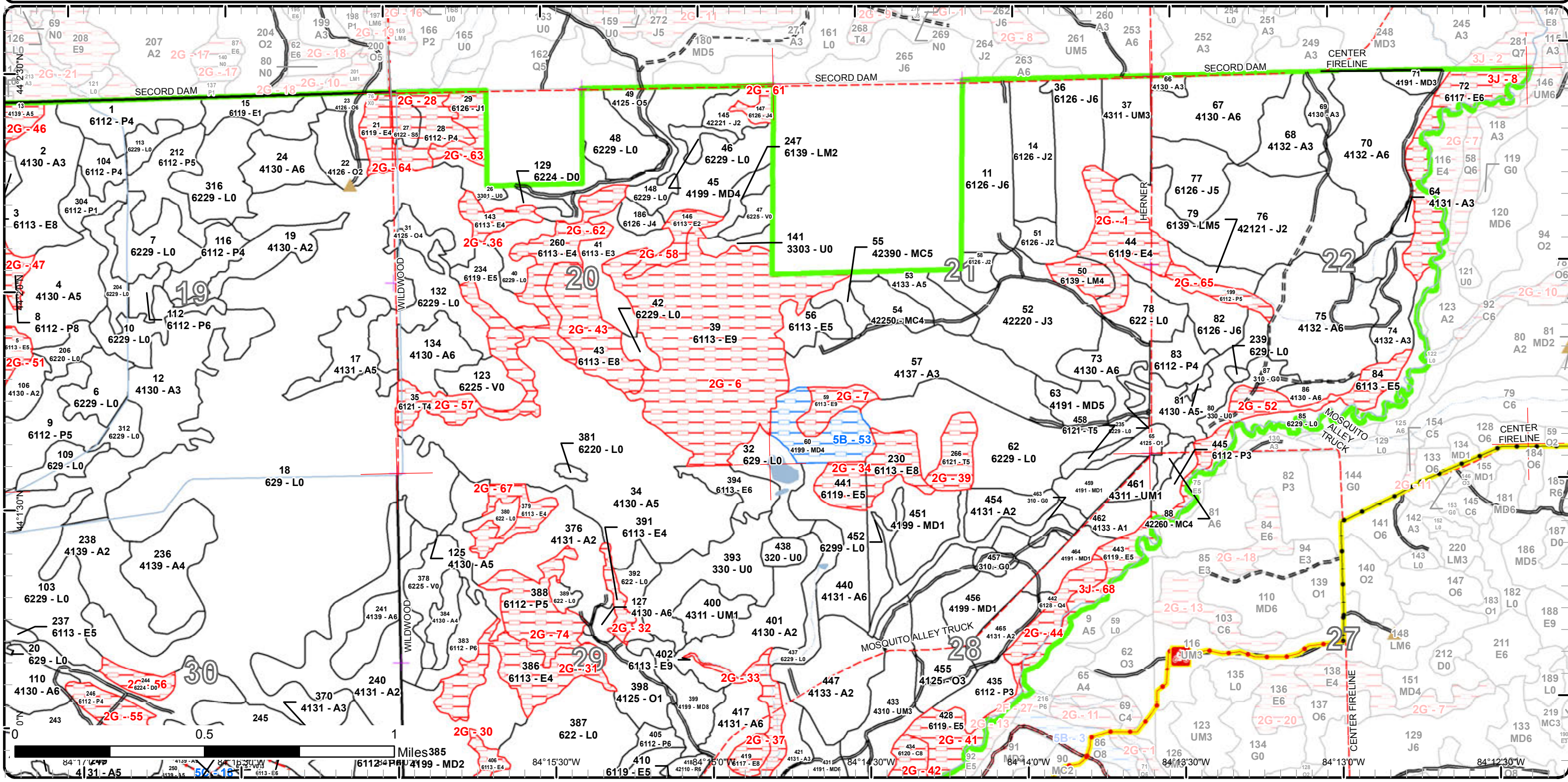


Cover Type & Treatments Map



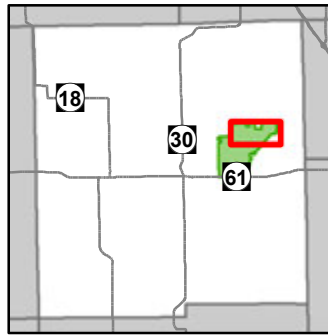
Compartment: 52
 T18N - R01E Sec. 01,12
 T18N - R02E Sec. 05-07
 T19N - R02E Sec. 19-22,28-32
 County: Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YO: 2020
 Acres: 8,109 GIS Calculated
 Examiner: Steve Nyhoff
 Map Revised: 8/20/2018
 Map Phase: Post - Review

- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- MCCCT Trails
- ORV License
- ORV License & Trail Permit
- Designated ORV Route
- Michigan Cross Country Cycle Trail (MCCCT)
- Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries

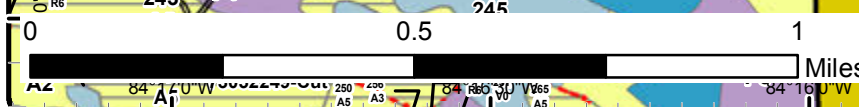
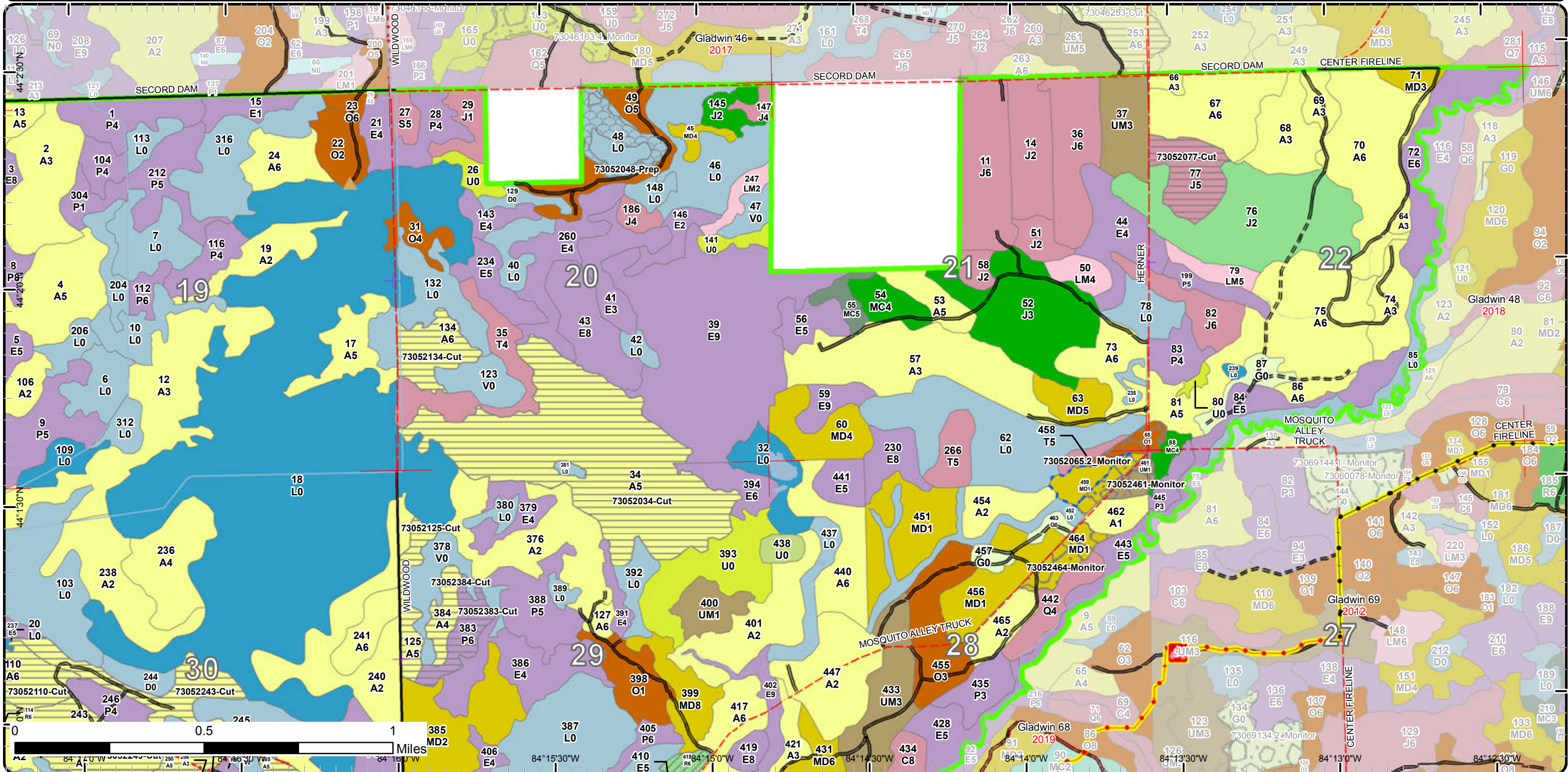


Special Conservation Areas & Site Conditions Map

Compartment: 52
 T18N - R01E Sec. 01,12
 T18N - R02E Sec. 05-07
 T19N - R02E Sec. 19-22,28-32
 County: Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YOE: 2020
 Acres: 8,109 GIS Calculated
 Examiner: Steve Nyhoff
 Map Revised: 8/20/2018
 Map Phase: Post - Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
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- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🚲 MCCCT Trails
- ORV License
- ORV License & Trail Permit
- Designated ORV Route
- Michigan Cross Country Cycle Trail (MCCCT)
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Regeneration Survey
- Site Prep
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
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- 613 - Lowland Mixed Forest
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- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes





Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 52

Total Compartment Acres: 8,109

Commercial Harvest - 1000
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	709	0	0	0	0	0	0	0	0	709
Jack Pine	21	0	0	0	0	0	0	0	0	21
Lowland Aspen/Balsam Poplar	81	0	0	0	0	0	0	0	0	81
Lowland Deciduous	20	0	0	0	0	0	0	0	0	20
Northern Hardwood	40	15	0	0	17	0	0	0	0	71
Red Pine	6	0	0	0	0	48	0	0	0	54
Upland Mixed Forest	45	0	0	0	0	0	0	0	0	45
Total	921	15	0	0	17	48	0	0	0	1001

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	1001	48	0	0	0	0	103	0	7	1158
Next Step	0	117	146	0	0	36	1245	0	0	1544
Total	1001	164	146	0	0	36	1348	0	7	2702



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
34	73052034-Cut	138.7	4130 - Aspen	Poletimber Medium	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clearcut with retention. The retention should be in pockets. Mark some of the oaks with green paint to be retained or
Specs: retain all the oak. The access will have to be from the east because there is a large drainage ditch along Wildwood Road. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable Aspen mixed with some maple and oak
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

38	73052038-Cut	20.9	4131 - Aspen, Oak	Poletimber Medium	51	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be in pockets. In addition, mark some of the mature oaks for structural
Specs: diversity and seed. When marking the retention placed far enough away from the county road to avoid trees falling into it. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable Moderate or better stocking of aspen mixed with oak and maple.
Regen:

Other There are areas in the stand that are wet, so rutting could be a problem. Restrict the harvest to dry and frozen conditions.
Comment:

Proposed Start Date: 10/1 /2019

48	73052048- Prep	13.6	6229 - Mixed lowland shrub	Nonstocked			SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Roller chop, trench, and plant to red pine. Go around existing stump sprouts.
Specs:

Next Step Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Other - Specify
Treatments:

Acceptable A medium stocked stand of planted red pine mixed with oak will be acceptable.
Regen:

Other Out-of-Year of entry treatment proposal. This planting will coincide with additional plantings proposed in Compartment 46.
Comment:

Proposed Start Date: 7 /9 /2015

61	73052061-Cut	100.0	4131 - Aspen, Oak	Poletimber Medium	51	51-80	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clearcut retaining trees < 4" DBH. The aspen in the stand should be harvested to 2" DBH. In addition, retain some of the
Specs: mature oak. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable aspen and oak mixed with some tamarack, red pine, white pine.
Regen:

Other
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
81	73052065.2_M onitor	6.1	4130 - Aspen	Poletimber Medium	42	51-80	Monitoring	Natural Regen (Re-Inventory)	4121 - Oak, Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> oak mixed with aspen and maple											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 12/9 /2015											
77	73052077-Cut	21.2	6126 - Lowland Jack Pine	Poletimber Medium	73	51-80	Harvest	Clearcut with Retention	6126 - Lowland Jack Pine	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest the upland portions as a clearcut with retention. Mark out the areas that are too wet to harvest. This may reduce the harvest acres by											
<u>Specs:</u> 50% over the inventory acres. The harvest would have to be done during dry or frozen conditions to maximize what can be cut..											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> medium stocking of jack pine, aspen and oak											
<u>Regen:</u>											
<u>Other</u> Leave the branches of the jack pine for seed.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
99	73052099-Cut	14.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	78	81-110	Harvest	Single Tree Selection	4199 - Other Mixed Upland Deciduous	Uneven- Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> If harvested as a selection the BA should be kept around 80. There are areas that a very manageable and areas that are marginal. Therefore,											
<u>Specs:</u> the harvest acres may be significantly less than the inventory acres.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> mix of red maple and oak											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
101	73052101-Cut	7.2	4132 - Aspen, Jack Pine	Poletimber Medium	49	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest the stand as a clearcut with retention. The retention should be in pockets and not exceed 5% of the area. The retention should also be											
<u>Specs:</u> placed so trees will not fall into the county road. When harvesting include the Ruffed Grouse cutting spec.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Moderate or better stocking of aspen mixed with some oak, maple and pine.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
110	73052110-Cut	33.7	4130 - Aspen	Poletimber Well	46	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be kept in pockets. Because of the soils the harvest should be done in a dry summer or frozen winter. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable medium or better stocking of aspen, maple, and oak.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

111	73052111-Cut	28.1	4130 - Aspen	Poletimber Medium	46	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be in pockets. Also place the pockets far enough away that trees will not fall into the county road. However, because of the soil conditions and the health of the trees the harvest should be done between July and March. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable medium stocking of aspen mixed with some maple, oak, and pine.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

114	73052114-Cut	26.3	42110 - Planted Red Pine	Poletimber Well	63	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a systematically thinned taking the BA down to 90 sq. ft. or lower to regenerate the oak and pine. Two rows should be cut from either side of the road.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

117	73052117-Cut	52.7	6112 - Lowland Aspen	Poletimber Medium	48	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be in pockets. Do not retain trees within 50 feet of the roads. The harvest should be done during dry or frozen conditions. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable medium stocking of aspen mixed with some maple, oak, conifers.
Regen:

Other
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
125	73052125-Cut	11.6	4130 - Aspen	Poletimber Medium	54	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvested the stand as a clear cut with retention. Mark to retain aspens and oaks in clumps. The marked trees should be far enough away from
Specs: Wildwood Road so they do not fall into the road. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable aspen mainly with some maple and oak
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

126	73052126-Cut	5.5	42110 - Planted Red Pine	Poletimber Well	63	111- 140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be red pine marked in groups. Also place the pockets far enough away that
Specs: trees will not fall into the county road.

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

Acceptable mixture of red pine, jack pine with some aspen and oak.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

133	73052133-Cut	10.9	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The harvest should be done during dry and frozen conditions. The retention should be placed to
Specs: maintain the integrity of the gate. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable Medium or better stocking of aspen mixed with some maple and oak.
Regen:

Other The central portion of the stand is very wet. This will hinder the regeneration of that portion of the stand.
Comment:

Proposed Start Date: 10/1 /2019

134	73052134-Cut	18.0	4130 - Aspen	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear-cut with retention. Overall, the stand is upland. However, there is evidence of past rutting along the east side. The
Specs: retention should be in pockets around the vernal ponds. Marking out the low wet ground could have a significant effect on the harvest acres. The access will have to be from the east using corduroy or crane mats because there is a large drainage ditch along Wildwood Road. The best access is at the stand break between stands 123 and 132. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable aspen mixed with maple and oak.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
136	73052136-Cut	55.0	4130 - Aspen	Poletimber Well	50	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be in patches. In addition, mark some of the oak to be retained. When marking make sure no trees are left that could fall into Three Rivers Road. There is a drainage at the south end and some low wet areas in the stand. So, harvest in summer through winter and watch for possible rutting. When harvesting include the Ruffed Grouse cutting spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of aspen mixed with some oak and maple.

Regen:

Other Make sure the BS hiking trail spec is in the T'Sale.

Comment:

Proposed Start Date: 10/1 /2019

140	73052140-NF	6.9	2113 - Forage Crops Nonstocked				Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide, and mowing.

Next Step

Treatments:

Acceptable herbaceous open land

Regen:

Other Stand to be maintained as a wildlife opening by Wildlife Division.

Comment:

Proposed Start Date: 11/21/2017

156	73052167-Monitor	11.2	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	50	81-110	Monitoring	Natural Regen (Re-Inventory)	4130 - Aspen	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Monitor for regen within four years from 10/10/16. 10/2020, next inventory cycle.

Specs:

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

Treatments:

Acceptable A medium stocked mix of aspen species with some red maple and oak will be acceptable.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/9 /2020

170	73052169-Monitor	7.8	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	79	111-140	Monitoring	Natural Regen (Re-Inventory)	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Monitor for regen in four years from Oct 2016, or 2020, next inventory cycle.

Specs:

Next Step

Treatments:

Acceptable A stand of mixed aspen with a component of red maple and black oak will be acceptable.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/9 /2020



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
175	73052175-Cut	44.8	4139 - Aspen, Mixed Deciduous	Poletimber Well	43	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest the stand as a clear-cut with retention. The retention should be in pockets. The harvest should be done during dry or frozen conditions											
<u>Specs:</u> because of the access and the stand's wetness. When harvesting include the Ruffed Grouse cutting spec.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Roller Chopping; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring,											
<u>Treatments:</u> Artificial Regen(3yr)											
<u>Acceptable</u> aspen, maple, and oak											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
178	73052178- Prep	11.8	3301 - Low Density Deciduous Trees	Nonstocked			SitePrep	Trenching	4221 - Natural Red Pine	Two-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Trench and plant to bring up to full stocking.											
<u>Specs:</u>											
<u>Next Step</u> Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> Planted red pine mixed with oak and aspen.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
183	73052183-Cut	26.5	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	68	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Two-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Treated the stand as a 4" clearcut with retention. The retention should be in pockets. The main problem with the harvest is the access.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Mixture of oak, maple, and aspen.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
184	73052184-Cut	51.1	4130 - Aspen	Poletimber Well	43	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> The stand could be harvested as a clear cut with retention. When harvesting the stand retain all conifer and mark some small areas for retention											
<u>Specs:</u> along stand 192. When harvesting include the Ruffed Grouse cutting spec.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> aspen mixed with some maple and oak											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
190	73052190-Cut	16.6	4119 - Mixed Northern Hardwoods	Poletimber Well	82	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Two-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a seed tree/shelter wood retaining 30-40 BA. Paint out the wettest areas. This may decrease the harvest acres significantly..

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

Acceptable mixture of maple, oak, aspen and pines
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

193	73052192-Monitor	34.2	629 - Mixed non-forested wetland	Nonstocked			Monitoring	Natural Regen (Re-Inventory)	4199 - Other Mixed Upland Deciduous	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition: Too Wet**

Prescription A mix of natural regeneration is acceptable. Monitor natural regeneration until desired natural regeneration is achieved.
Specs:

Next Step SitePrep, Trenching; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable A mix of natural regeneration is acceptable. Monitor natural regeneration until desired natural regeneration is achieved.
Regen:

Other Percent to Treat = 100%
Comment:

Proposed Start Date: 3 /6 /2017

197	73052197-Cut	10.2	4139 - Aspen, Mixed Deciduous	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clearcut with retention. The retention should be in pockets. In addition, mark some oaks to be retained. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable aspen and maple with some oak
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

205	73052205-Cut	45.0	4319 - Mixed Upland Forest	Poletimber Medium	52	1-50	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be kept in patches. Because of the numerous wet areas rutting could become a problem. Therefore, restrict harvest to dry or frozen conditions.

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

Acceptable Moterate or better stocking of aspen, tamarack, maple, oak and pine.
Regen:

Other
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
207	73052207-Cut	19.9	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Harvest the stand as a clearcut with retention. The retention should be kept in patches. Because of the numerous wet areas rutting could become a problem. Therefore, restrict harvest to dry or frozen conditions.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate or better stocking of lowland hardwoods.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

210	73052210-Cut	29.3	4139 - Aspen, Mixed Deciduous	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Harvest the stand as a clearcut with retention. The retention should be kept in patches. Because of the numerous wet areas, rutting could become a problem. Therefore, restrict harvest to dry or frozen conditions. When harvesting include the Ruffed Grouse cutting spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate or better stocking of aspen mixed with some maple, oak and tamarack.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

243	73052243-Cut	48.7	4139 - Aspen, Mixed Deciduous	Poletimber Medium	48	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Harvest the stand as a clear cut with retention. The retention should be in pockets and retain all the pines. Also place the pockets far enough away that trees will not fall into the county road. When harvesting include the Ruffed Grouse cutting spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium stocking of aspen with scattered pine, oak, and maple.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

249	73052249-Cut	21.7	4131 - Aspen, Oak	Poletimber Medium	50	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Harvest as a clear cut with retention. The retention should be in pockets. The pockets should not exceed 5% by area. Also place the pockets far enough away that trees will not fall into the county road. Also place the pockets far enough away that trees will not fall into the county road. When harvesting include the Ruffed Grouse cutting spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderat or better stocking of aspen mixed with oak and maple.

Regen:

Other

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
250	73052250-Cut	19.2	4139 - Aspen, Mixed Deciduous	Poletimber Medium	50	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The harvest would have to be done in dry/ frozen conditions. The retention should be kept in pockets. Also place the pockets far enough away that trees will not fall into the county road. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable medium stocking of aspen mixed with some oak, maple and conifers.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

253	73052253-Cut	18.7	4139 - Aspen, Mixed Deciduous	Poletimber Well	50	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No **Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be in pockets. In addition, some of the oaks could be marked to be retained for mast, seed, and structural diversity. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable medium or better stocking of aspen mixed with some maple, oak and pine,
Regen:

Other Make sure the BS hiking trail spec is in the T'Sale.
Comment:

Proposed Start Date: 10/1 /2019

254	73052254-Cut	15.7	6112 - Lowland Aspen	Sawtimber Medium	50	1-50	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No **Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be in pockets. In addition, retain all oak and leave some scattered mature trees in place for den trees and snags. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable Medium or better stocking of lowland aspen mixed with maple and conifers.
Regen:

Other Make sure the BS hiking trail spec is in the T'Sale.
Comment:

Proposed Start Date: 10/1 /2019

265	73052265-Cut	23.6	4139 - Aspen, Mixed Deciduous	Poletimber Medium	50	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Harvest as a clear cut with retention. The retention should be in pockets. The pockets should not exceed 5% by area. Also place the pockets far enough away that trees will not fall into the county road. When harvesting include the Ruffed Grouse cutting spec.

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

Acceptable Moderate to well stocked aspen mixed with maple and oak.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
288	73052288-Cut	8.8	4136 - Aspen, Mixed Conifer	Poletimber Poor	52	1-50	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvest the stand as a clearcut with retention. The retention should be kept in patches. Because of the numerous wet areas rutting could become a problem. Therefore, restrict harvest to dry or frozen conditions. When harvesting include the Ruffed Grouse cutting spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Roller Chopping; SitePrep, Trenching

Treatments:

Acceptable Moderate stocking of aspen and tamarack.

Regen:

Other The stand will probably need to be interplanted with red pine after it is cut.

Comment:

Proposed Start Date: 10/1 /2019

299	73052299-Prep	22.1	310 - Herbaceous Openland	Nonstocked			SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription The open areas in the east ¾ of the stand should be planted to red pine. The access to the stand was greatly improved when Outback Mix was harvested. Trenching will be hindered because of the extensive micro relief.

Specs:

Next Step Planting, Initial Plant; Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Planted red pine

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

317	73052317-Cut	13.2	4119 - Mixed Northern Hardwoods	Sawtimber Medium	93	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription The stand is mainly upland maple. Aspen component is dying (could have been regenerated 35 years ago). Au Gres soil in this stand is poor for pine productivity and fair for hardwoods. Cannot thin because hummocky areas are susceptible to blowdown and BA is only around 60 now. Access to stand would be difficult. Clearcut to regenerate red maple from stump sprouts. Retain the oak and trace of tamarack.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mix of red maple, oak, tamarack and aspen

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

319	73052319-Monitor	10.8	4119 - Mixed Northern Hardwoods	Poletimber Poor	53	1-50	Monitoring	Natural Regen (Re-Inventory)	4119 - Mixed Northern Hardwoods	Two-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription A mix of natural regeneration is acceptable. Monitor natural regeneration until desired natural regeneration is achieved.

Specs:

Next Step

Treatments:

Acceptable A mix of natural regeneration is acceptable. Monitor natural regeneration until desired natural regeneration is achieved.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 3 /6 /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
267	73052323-Monitor	6.2	6113 - Lowland Maple	Poletimber Well	70	81-110	Monitoring	Natural Regen (Re-Inventory)	4112 - Maple, Beech, Cherry Association	Uneven-Aged	Field Boundary

Habitat Cut: No **Site Condition:** Too Wet

Prescription A mix of natural regeneration is acceptable. Monitor natural regeneration until desired natural regeneration is achieved.

Specs:

Next Step

Treatments:

Acceptable A mix of natural regeneration is acceptable. Monitor natural regeneration until desired natural regeneration is achieved.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 3 /6 /2017

383	73052383-Cut	12.6	6112 - Lowland Aspen	Poletimber Well	50	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should be in pockets or clumps. Retain all conifer and large diameter oak. The

Specs: harvest will need to be restricted to dry/frozen conditions. When harvesting include the Ruffed Grouse cutting spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen mixed with maple

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

384	73052384-Cut	8.7	4130 - Aspen	Poletimber Poor	48	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Harvest the stand as a clear cut with retention. The retention should include all oaks and conifers. The stand will need to be cut in the dormancy

Specs: period to regenerate any of the aspen. The margins are wet with lowland shrubs to the west and to the north. The stand may need to be interplanted with pines because of low regeneration. When harvesting include the Ruffed Grouse cutting spec.

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial

Treatments: Regen(3yr)

Acceptable medium stocking of aspen and maple

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

413	73052413-Cut	15.0	42110 - Planted Red Pine	Poletimber Well	50	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Harvest the stand thinning from below taking the BA down to 110

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

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
418	73052418-Cut	6.8	42110 - Planted Red Pine	Poletimber Well	59	171- 200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription The stand could be systematically thinned reducing the residual BA to 110.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

62	73052459- Monitor	6.9	6229 - Mixed lowland shrub	Nonstocked			Monitoring	Artificial Regen(3yr)	4310 - Pine, Oak Mix	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition: Too Wet**

Prescription monitor artificial regen 3 growing seasons after planting

Specs:

Next Step

Treatments:

Acceptable Planted red pine mixed with oak and aspen

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2017

459	73052460- Monitor	4.8	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	3	Immatur re	Monitoring	Artificial Regen(3yr)	4221 - Natural Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription monitor artificial regen 3 growing seasons after planting

Specs:

Next Step

Treatments:

Acceptable planted red pine mixed with oak and aspen

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2017

461	73052461- Monitor	5.3	4311 - Pine, Aspen Mix	Sapling Poor	3	Immatur re	Monitoring	Artificial Regen(3yr)	4221 - Natural Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription monitor artificial regen 3 growing seasons after planting

Specs:

Next Step

Treatments:

Acceptable planted red pine mixed with oak and aspen

Regen:

Other

Comment:

Proposed Start Date: 10/1 /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
464	73052464- Monitor	9.9	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	3	Immatur e	Monitoring	Artificial Regen(3yr)	4221 - Natural Red Pine	Even-Aged	Approved Proposal

Habitat Cut: No

Site Condition:

Prescription monitor artificial regen 3 growing seasons after planting

Specs:

Next Step

Treatments:

Acceptable planted red pine mixed with hardwoods.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2009

**Total Treatment
Acreage Proposed: 1158.1**

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions									
		With Condition	Not Available		4A	5B	5C	2F	2G	2H	3J	5D	5E	
2716	2612	5	98	Aspen	5				50	41	8			
124	124	0	0	Bog										
24	0	0	24	Cedar					24					
7	7	0	0	Cropland					0					
92	92	0	0	Herbaceous Openland										
309	295	0	14	Jack Pine					14					
114	112	0	2	Low-Density Trees										2
641	432	0	209	Lowland Aspen/Balsam Poplar					180			29		
14	0	0	14	Lowland Conifers					14					
1164	316	0	848	Lowland Deciduous				20	783		45			
51	30	0	21	Lowland Mixed Forest				13	8					
1572	1572	0	0	Lowland Shrub										
6	0	0	6	Lowland Spruce/Fir					6					
473	412	38	24	Mixed Upland Deciduous		21	17		0	23				
16	16	0	0	Natural Mixed Pines										
110	109	0	0	Northern Hardwood					0					
177	177	0	0	Oak										
72	54	18	0	Red Pine			18							
82	5	0	77	Tamarack					77					
190	183	0	7	Treed Bog					7					0
7	7	0	0	Upland Conifers										
125	125	0	0	Upland Mixed Forest										
13	13	0	0	Upland Shrub										
12	12	0	0	Urban										
8,109	6,704	61	1,344	Total Forested Acres	5	21	35	33	1,163	64	53	29	2	
	83%	1%	17%	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)	34	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

2	Unavailable	2F: Too steep	20	3J: Water quality / BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	2F: Too steep	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	129	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

9	Unavailable	2F: Too steep	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	116	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

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)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

42	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	5D: Unproductive Forest Land	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	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:							
52	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

53	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	Unavailable	2F: Too steep	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
55	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

59	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
63	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

64	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
68	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

69	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
71	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
Comments:							
72	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
Comments:							
73	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Steve Nyhoff : Examiner

Compartment: 52
Year of Entry: 2020

74	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6112 - Lowland Aspen	Poletimber Poor	21.0	27	Immature	The total upland is around 40%. The lowlands are heavy to tag alder and willow. The ash in the lowland is dead. This has lowered the canopy closure to around 25%. The stand is bisected by Black Creek which is a man-made drain. The terrain is hummocky.
2	4130 - Aspen	Sapling Well	38.6	16	Immature	The terrain is hummocky. The stand has many low depressions. Some of them are mainly tag alder/willow with scattered trees. Overall the stand is uplands with the lowlands being around 30%. The stand was harvested in December of 2002. Under the aspen there is a significant component of live ash seedlings.
3	6113 - Lowland Maple	Sawtimber Medium	4.2	79	51-80	Overall the stand is too wet to harvest. The overstory ash is dead and coming down. Because of this the crown closure is now closer to 75% and may drop below that in the next 10 years.
4	4130 - Aspen	Poletimber Medium	35.8	34	51-80	The stand has numerous wet depressions. Some of them are mainly tag alder with some scattered trees. The north end appears to have a lower site index than the rest of the stand.
5	6113 - Lowland Maple	Poletimber Medium	8.7	79	111-140	The stand is too wet to harvest. The ash in the overstory is dead. The stand does have a trace of basswood and there is some ash regeneration.
8	6112 - Lowland Aspen	Sawtimber Medium	8.0	79	81-110	The stand is too wet to harvest. There is a trace of basswood, swamp white oak and aspen in the stand. The ash is now dead, and the crown closure is less than 75%.
9	6112 - Lowland Aspen	Poletimber Medium	28.2	26	1-50	The stand has many wet areas especially in the north west end, along stand 109, and in the eastern 1/2 if the stand. Overall, the lowlands make up around 45%. The crown closure is around 75%.
11	6126 - Lowland Jack Pine	Poletimber Well	39.5	27	1-50	The jack pine in the area has a high percentage of trees with semi-serotinous cones. The soils range from Croswell in the north to Kinross and AuGres in the south. In the north end of the stand there is also a fair amount of oak and aspen regeneration on the Croswell soils. There are large areas of leather leaf at the south end. The terrain is hummocky. The stand is a 50-50 mix of uplands and lowlands. The galling on the jack pine is moderate. The crown closure is around 70%. The stand is just moving into poles.
12	4130 - Aspen	Sapling Well	66.7	24	Immature	The stand is a mixture of uplands and lowlands. Some of the lowlands are tag alder/willow with very few trees.
13	4139 - Aspen, Mixed Deciduous	Poletimber Medium	10.4	49	81-110	The stand is a mixture of uplands and lowlands. The stand is dry enough to be treated but there are some very wet depressions.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	6126 - Lowland Jack Pine	Sapling Medium	26.2	18	Immature	The jack pine in the area has a high percentage of trees with semi-serotinous cones. The soils range from Croswell in the north to Kinross and AuGres in the south. In the north end of the stand there is also a fair amount of oak and aspen regeneration on the Croswell soils. There are large leather leaf inclusions especially in the south end of the stand. Overall, the stand is about a 50-50 mix of uplands and lowlands. The crown closure is around 60%. The jack pine has a moderate amount of galls.
15	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	9.6	16	Immature	The stand was clearcut in October of 2001. The regeneration is patchy. The crown closure is around 50%. There is some good aspen along the south edge. There are also large areas of lowland shrub or bracken. The terrain is hummocky. There are some slight ridges. The uplands make up about 30%.
16	4130 - Aspen	Sapling Well	6.2	18	1-50	The stand was harvested as a clearcut leaving oak < 4" diameter. There are several small openings in the stand. The terrain is undulating.
17	4131 - Aspen, Oak	Poletimber Medium	18.7	36	51-80	The aspen is in fair condition. The crown closure is close to 75%.
19	4130 - Aspen	Sapling Medium	16.8	24	Immature	The stand is variable in density with the crown closure going from 0-100%, but it averages 60%. When the stand was harvested the oak was left so it goes from saplings to logs. There are some inclusions of lowland shrubs.
21	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	9.8	67	1-50	The stand is too wet to harvest, for the most part. There are a couple of islands that are upland. The crown closure is now around 40% because of ash die off. The understory is mainly tag alder.
22	4126 - White, Black, N. Pin Oak	Sapling Medium	12.0	16	Immature	The stand was harvested 10/2001 as a clear cut without retention. The south west edge of the stand has poor regeneration and is now more of a lowland shrub type. There are also several inclusions of low wet ground. Some of these areas show signs of heavy rutting on leaf off imagery. The terrain is hummocky.
23	4126 - White, Black, N. Pin Oak	Poletimber Well	7.0	67	81-110	The stand is a pure white oak stand with good white oak seedling cover.
24	4130 - Aspen	Poletimber Well	16.7	30	51-80	The aspen is doing well. There is a lowland area in the northern ½ of the stand. The stand is just transition into poles. Therefore, hold the stand for 10 years
27	6122 - Black Spruce	Poletimber Medium	5.6	71	51-80	The stand is not too wet to harvest. The ash in the stand is dead and coming down. The crown closure is closer to 75%. There are signs of a lot of wild life use of the stand. There is some regeneration in the under story of maple, spruce, tamarack and ash.
28	6112 - Lowland Aspen	Poletimber Poor	13.3	71	1-50	The stand has scattered old aspen which is declining. The under story is heavy to tag alder. There is regeneration of spruce, tamarack, maple and birch. Overall, the stand looks like it is too wet to harvest.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	6126 - Lowland Jack Pine	Sapling Poor	10.4	21	Immature	The stand has a lot a variability. There are areas of leather leaf/sheep laurel with only scattered seedling tamarack, jack pine, and oak. There are also areas of dense jack pine. The terrain is very hummocky. The stand is too wet to harvest.
31	4125 - Black, N. Pin Oak	Poletimber Poor	8.5	36	51-80	The trees in the stand are on knobs surrounded by lowland shrubs. There is some regeneration of oak, maple, and birch in the areas of low crown closure.
34	4130 - Aspen	Poletimber Medium	138.7	48	81-110	The stand has some aspen of fair quality. At the current time, there is a low level of mortality in the aspen. The terrain is undulating. The east side of the stand is a mix of uplands and lowlands with the lowlands being 15 to 20%. The west side is mainly uplands with inclusions of low wet pockets.
35	6121 - Tamarack	Poletimber Poor	24.6	38	1-50	Tamarack and aspen are starting to fill in. The understory is leatherleaf, blueberry and Labrador tea. There are a few bracken fern "ridges" scattered in the stand. The crown closure goes from 0-100%, but it averages 40%. The stand is too wet to harvest.
36	6126 - Lowland Jack Pine	Poletimber Well	32.3	27	1-50	The jack pine in the area has a high percentage of trees with semi-serotinous cones. The soils range from Croswell in the north to Kinross and AuGres in the south. In the north end of the stand there is also a fair amount of oak and aspen regeneration on the Croswell soils. The crown closure goes from 15 - 100% but averages 75%. The terrain is hummocky and a 50-50 mix of uplands and lowlands. The stand is just transitioning into poles.
37	4311 - Pine, Aspen Mix	Sapling Well	21.6	18	Immature	The stand has regenerated fairly well. The jack pine in the area appear to have a fair percentage of semi-serotinous cones and they are seeding into the stand to some degree. The aspen in the stand has now overtopped the jack pine where the 2 species are together. Aspen and oak are denser along Herner and Secord Dam roads, but the density decreases father away. The land along the roads is fairly dry but gets wetter away from them. There are inclusions of leather leaf scattered in the western 1/2 of the stand.
38	4131 - Aspen, Oak	Poletimber Medium	20.9	51	51-80	The stand is variable. The crown closure goes from 10 to 100%. It averages around 60%. The stand has some scattered semi open lowland shrubs and leather leaf bogs within the stand. The stand was cut during the Deer Range Improvement Program in 1967.
39	6113 - Lowland Maple	Sawtimber Well	129.0	86	81-110	The ash in the stand is dead leading to some larger canopy gaps in the north ½ of the stand. Also, the loss of the ash has moved the stand to an almost pure red maple. There are some upland knobs scattered but most are < 1 acre in size. The ground is dryer going south. Overall, the stand is too wet to harvest. When stand 34 is cut it may be possible to cut some of the dryer areas along the edge.
41	6113 - Lowland Maple	Sapling Well	18.9	37	51-80	The stand is a mixture of marginal uplands and lowlands. The ash in the stand is gone. Numerous drainages cross it.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	6113 - Lowland Maple	Sawtimber Medium	27.0	86	51-80	The stand is too wet to cut. The ground cover is marsh grass, tag alder, and michigan holly. There are some small upland knobs, but they are widely scattered. The ash in the stand is dead though much of it is still standing. The current crown closure is around 65%.
44	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	26.4	17	Immature	The stand is a mix of leatherleaf and lowland shrubs with trees scattered throughout the stand. The aspen is very poor quality and the ash is dead. Paper birch is starting to fill in. The ground cover is mainly tag alder and Michigan holly. The stand is too wet to harvest.
45	4199 - Other Mixed Upland Deciduous	Poletimber Poor	4.6	29	Immature	The terrain is hummocky. Overall, the stand is made up of slight ridges surrounded by low wet ground.
49	4125 - Black, N. Pin Oak	Poletimber Medium	20.4	72	1-50	The stand is on a ridge and there is a road running through it. The oak is variable in size going from seedlings to extra large sawlogs. The stand should be left for seed and mast. Wait for the understory oak to become large enough to harvest.
50	6139 - Mixed Lowland Forest	Poletimber Poor	8.0	69	1-50	This stand is a low wet depression. The aspen is dying out and the jack pine appears to be filling in to some degree. Overall the stand is too wet to harvest.
51	6126 - Lowland Jack Pine	Sapling Medium	7.9	8	Immature	The stand was harvested in 2010. It was replanted with FTP C73-825 in 2012. It is a matrix of uplands and lowlands with the majority being lowlands. The current crown closure is between 60 and 70% but it will eventually be > 75%. The jack pine has a moderate occurrence of galls.
52	42220 - Natural Jack Pine	Sapling Well	52.5	8	Immature	Stand was harvested in 2010. It was replanted with FTP C73-825 in 2012. The survival of the planted jack pine is poor, but the natural regeneration of jack pine and oak far outweighs the loss in the planting. There are some pockets that have no regeneration, but they are small areas that are wet. Overall the soil is a 50-50 mix of uplands and lowlands. The southern portion of the stand is wetter. The tamarack in the stand is also located in the southern portion of the stand.
53	4133 - Aspen, Mixed Pine	Poletimber Medium	11.9	27	Immature	This stand is on a ridge. There are areas where the crown closure is closer to 25%, but overall the crown closure is around 70%.
54	42250 - Pine, Oak	Poletimber Poor	11.6	27	1-50	The stand has areas that are intermittently wet. The terrain is hummocky. The stand appears to be seeding in with jack pine and maple. The ground cover varies from bracken fern and blueberry on the upland areas, and grass, blueberry and leatherleaf in the lowlands.
55	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	7.1	29	1-50	The stand has regenerated well to tamarack. The diameters of the trees go from 8-inch poles to seedlings.
56	6113 - Lowland Maple	Poletimber Medium	11.5	27	1-50	The stand is wet but looks like it dries out in late summer or early fall. The crown closure is just over 50% but ranges from 100% down to 15%. The understory is heavy to tag alder, Michigan holly, and red maple seedlings.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	4137 - Aspen, Birch	Sapling Well	61.9	28	Immature	The stand is filling in somewhat with tamarack and paper birch. Currently the stand stocking goes from an A3 to lowland shrubs. There are ridges and swales running through the stand. It is currently transitioning to poles. The trail that goes through the stand has grown in a lot over the last 10 years and is now a walking trail.
58	6126 - Lowland Jack Pine	Sapling Medium	5.4	21	Immature	The stand is starting to move into poles. The terrain is hummocky. The crown closure ranges from 10-100%. The ground cover is blueberry and leatherleaf.
59	6113 - Lowland Maple	Sawtimber Well	9.2	73	81-110	This stand is mainly wet but there are some dryer areas. The ground cover indicates the stand is too wet to harvest overall. The ash component is now dead making the crown closure to 75%.
60	4199 - Other Mixed Upland Deciduous	Poletimber Poor	21.1	93	1-50	The stand was harvested in 2010. The residual BA is around 30. The stand is now 2 -aged. The regeneration is adequate, and it is a mixture of oak, red maple and aspen. The deer browse is moderate and much of the regeneration is now above browse line.
61	4131 - Aspen, Oak	Poletimber Medium	100.1	51	51-80	The stand is extremely variable. The crown closure goes from 5% to 100%. The stand was cut under the Deer Range Improvement Program in 1967. The stand has oak regeneration that goes from sparse to thick. There are also pockets of lowland shrubs.
63	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	12.8	29	1-50	The stand has a mix of ground covers ranging from grass to brush 5-10 feet. The stand has a scattering of oak and tamarack and some poor-quality aspen. The south edge is a ridge. Overall the stand is a matrix of uplands and lowlands with the uplands being the majority.
64	4131 - Aspen, Oak	Sapling Well	2.4	21	Immature	This stand is mainly on a ridge and it is heavy to aspen. The soils are mainly well drained Croswell with areas of Croswell-AuGres-Kinross along the edges and in the west leg. Most of the jack pine and oak are concentrated in the west side.
65	4125 - Black, N. Pin Oak	Sapling Poor	6.2	9	Immature	Stand is a small stand along Herner Road. It was harvested in 2009 as part of sale #73-008-07-01, Herner Back Jack. The harvest was done as a seed tree harvest retaining around 20 BA of mature trees and oak < 4" DBH. The stand is now two aged and the size class ranges from sawlogs down to seedlings.
66	4130 - Aspen	Sapling Well	2.7	9	Immature	The stand was harvested in 2009. The stand has regenerated well.
67	4130 - Aspen	Poletimber Well	36.0	29	51-80	Overall the stand is doing well. It is transitioning in to poles. The oak component of the stand is concentrated on the ridges in the southern 1/2 of the stand. The old two-track has grown in and it has become a walking trail. There is some autumn olive in the stand, but it is mainly along the trail and roads. it is mainly along the trail and roads.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
68	4132 - Aspen, Jack Pine	Sapling Well	22.5	8	Immature	The stand was partially planted to jack pine in 5/2010, with FTP C73-826. The pine has been over topped by the aspen in most of the stand. There are open areas that the jack pine is still dominate. There are also pockets of oak scattered. The terrain is upland, for the most part, there are a few small wet pockets. The retention pocket at the south end has some mortality.
69	4130 - Aspen	Sapling Well	7.8	9	Immature	The stand is a mix of aspen and jack pine. It has regenerated as an aspen stand with pockets of jack pine and scattered oak. The stand is located on a ridge.
70	4132 - Aspen, Jack Pine	Poletimber Well	57.4	35	1-50	The old ORV trail also runs through the stand. It is still being used by ORVs and vehicles. The pine in the stand is more evenly distributed then in other stands. The terrain is undulating. The crown closure is around 80%
71	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	5.7	9	Immature	The stand was a final harvest in 2009. There is an island of retention left in the middle of the stand. Overall, it has regenerated well. The old ORV trail that went through the stand has grown in.
72	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	30.3	74	81-110	This stand is along the Molasses River. Most of the stand is the slope above the river which is too steep to harvest. Seeps in the slope are common. In the areas where seeps are present cedar is the major canopy species. At the north end, there are tag alder swales. There are some log size oak and aspen at the top of the slope. The soil under the stand are Evart-Winterfield and are too wet to harvest.
73	4130 - Aspen	Poletimber Well	20.9	27	1-50	The stand has an A3 stocking. The stand does have some oak, maple, and pine reaching the over story. However, they are scattered.
74	4132 - Aspen, Jack Pine	Sapling Well	16.4	21	Immature	The stand is a mix of aspen, oak, and jack pine. The quality of the pine is variable. When it is growing in the thicker areas it has good form. When it is growing in the open areas it has poor form.
75	4132 - Aspen, Jack Pine	Poletimber Well	52.9	42	51-80	The Closed ORV trail runs through part of the stand. It is still being used by Quads and horses. There are some low pockets, but they are scattered. There are pockets where the crown closure < 75% but overall it is > than 75%.
76	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	73.8	8	Immature	The stand was planted to jack pine 5/2010, under FTP C73-826. The crown closure is variable and goes from 0 to 100%. The low areas are open, and the upland are thick with planted and natural regeneration. The stand looks to be coming in like the original stand. At the current time, the jack pine has a low occurrence of galls. The retention pockets have significant mortality.
77	6126 - Lowland Jack Pine	Poletimber Medium	21.2	73	51-80	The crown closure is closer to 75%. The stand goes from too wet to harvest to uplands that could be harvested at any time. The edges are wet, and they were used as the boundaries for the harvest of stand 72.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
79	6139 - Mixed Lowland Forest	Poletimber Medium	7.4	42	1-50	The ground cover is variable with areas of leather leaf and blueberry; grasses and bracken fern; and areas of lowland shrubs. The jack pine is concentrated at the east and west ends on the wetter ground. The poorly formed quaking aspen is on the dryer ground in the central portion of the stand.
81	4130 - Aspen	Poletimber Medium	22.6	42	51-80	The stand is a ridge. It is mostly dry with some inclusions of lowlands at the north end and a drainage with wet ground at the west end. The maple and birch are heaviest at the west end. The terrain is undulating. The stand could be harvested as a clear cut with retention. However, hold the stand till next YOE.
82	6126 - Lowland Jack Pine	Poletimber Well	17.3	42	51-80	The jack pine in the area have semi-serotinous cones. The terrain is hummocky and wet. The stand could be harvest it as a clear cut with retention. However, hold the stand till next YOE.
83	6112 - Lowland Aspen	Poletimber Poor	11.7	42	1-50	The aspen is mainly trembling aspen. The quality is variable with pockets of good quality aspen as well as pockets of very poor quality. There are also a couple pockets of jack pine. The west side of the stand is the wettest.
84	6113 - Lowland Maple	Poletimber Medium	22.5	74	51-80	The stand is on a tier that overlooks the Molasses River Flood Plain. The ash in the stand is dead and on the ground. In addition, there is some wind throw of other species. The ash death has lowered the crown closure to below 75%. The soil is Evart-Winterfield association, and it is very wet. The slope that leads down to the river has many seeps and springs. The stand is too wet to harvest.
86	4130 - Aspen	Poletimber Well	5.7	28	81-110	The stand has filled in very well over the last 10 years. The white pine in the understory is heaviest at the west end. The oak understory is heavier at the east end.
88	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	4.6	29	1-50	The stand has scattered cherry with the ground cover is a mix of spotted knapweed, grass, blueberry, and sweet fern. The ORV trail runs through the stand. ORVs are going around the guard rail at the north end of the stand. The crown closure is just over 25%. The stand is also seeding in with jack pine and white pine.
90	4130 - Aspen	Poletimber Well	9.0	26		The stand is around a 50-50 mix of uplands and lowlands. There is a drain that splits the northern 1/3 from the rest of the stand. There are areas that are more of lowland aspen type over lowland shrubs.
91	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	18.9	93	81-110	The stand is about 70% lowlands that are too wet to harvest. The low wet areas cut off the upland from easy access. There is a drain in the north 1/3 of the stand. The ash in the stand is dead and coming down lowering the canopy closure to below 75%.
92	6113 - Lowland Maple	Sawtimber Medium	7.7	93	81-110	The stand is too wet to harvest. There is some sapling ash in the under story. The over story ash is dead making canopy gaps.
93	4130 - Aspen	Poletimber Well	35.8	32	81-110	The stand is a matrix of uplands with lowland inclusions. It is about 70% uplands. The lowlands are depressions and they are heavy to alder with scattered birch, maple, and aspen.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
94	6112 - Lowland Aspen	Sapling Medium	17.9	32	51-80	The stand is a mix of ridges and swales. Overall, the stand is a 50-50 mix. In general, the stand gets wetter going from east to west.
95	4130 - Aspen	Sapling Poor	11.6	12	Immature	The stand was harvested as a clearcut retaining oak < 4" DBH in 2006. The site index is around 50. The aspen is 5-12' at 11 years old. There are several shallow lowland pockets in the stand. However, most of the stand is uplands. Some of the low pockets are quite wet. The crown closure is closer to 50%.
96	6112 - Lowland Aspen	Poletimber Medium	10.0	43	51-80	The stand is wet overall, but there are some small upland inclusions. The ash die-off has open the canopy lowering the crown closure to below 75%. Black Creek runs through the stand and it is a dug drain.
97	4130 - Aspen	Poletimber Well	25.3	33	51-80	The stand is mostly uplands. However, there are inclusions of low wet depressions. The canopy closure goes from 10 to 100%.
99	4112 - Maple, Beech, Cherry Association	Poletimber Well	14.6	78	81-110	The stand could be cut as a selection, but density is on the low side. The BA ranges from 40 to 120. .
100	4130 - Aspen	Sapling Medium	22.9	12	Immature	The stand was clear cut in the spring of 2006. The regeneration is mediocre, and the aspen is only around 16' tall after 11 years. However, despite the low site index the stand appears to be fairly healthy. There are pockets in the stand where the regeneration is < 10' tall. In those pockets, there is some mortality.
101	4132 - Aspen, Jack Pine	Poletimber Medium	7.2	49	51-80	The terrain is hummocky, and the crown closure is variable. The north and south edges of the stand are wet.
102	6112 - Lowland Aspen	Sapling Well	26.9	32	51-80	The stand is generally lowlands with uplands concentrated at the west end and along the ditch bank of Black Creek. The uplands make up around 40% of the stand. Most of the ash in the stand is dead but there is a trace of live ash. The crown closure is closer to 75% because of the ash die off.
104	6112 - Lowland Aspen	Poletimber Poor	8.4	34	1-50	The stand has a drainage and an inclusion of lowland shrubs. Overall the stand is 20% non-forested.
105	6113 - Lowland Maple	Poletimber Well	15.8	78	81-110	The stand is predominately lowland with some upland inclusions. The central portion of the stand is more of a wet red maple/alder stand. The dryer areas do not have much understory and a larger percentage of sawlogs. The stand size is variable going from sawlogs to saplings. The understory goes from thick to sparse. The stand is too wet to harvest.
106	4130 - Aspen	Sapling Medium	10.1	14	Immature	The stand is about a 50-50 mix of uplands and lowlands. The east edge is heavy to tag alder. The terrain is hummocky. The crown closure is around 60%.
108	6112 - Lowland Aspen	Poletimber Poor	26.5	49	1-50	The terrain is hummocky. The uplands are slight ridges. The lowlands are heavy to leather leaf. The stand has a low density of aspen and it has poor form. The stand is too wet to harvest.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
110	4130 - Aspen	Poletimber Well	33.7	46	51-80	The terrain is hummocky. The stand is wetter along the north edge.
111	4130 - Aspen	Poletimber Medium	28.1	46	51-80	The terrain is hummocky. The crown closure is around 70%. The quaking aspen has poor form.
112	6112 - Lowland Aspen	Poletimber Well	5.6	25	Immature	The stand is about 55% lowlands. There are inclusions of lowland shrubs. The uplands are concentrated along the drain.
114	42110 - Planted Red Pine	Poletimber Well	26.3	63	141-170	The stand has an average BA of 140. There is a lot of red pine regeneration that is < 2 feet tall. The oak regeneration is < 4 feet so it is not established.
115	4130 - Aspen	Sapling Medium	3.6	14	Immature	This stand was harvested in 2004 and it has regenerated well. It is a mixture of quaking and bigtooth aspen with some oak and maple. Overall, the stand is moderately stocked with areas that are well stocked. The ground is hummocky, and it is a mixture of uplands and lowlands. The stand also has some steep ridges and drainages running through it.
116	6112 - Lowland Aspen	Poletimber Poor	13.1	25	Immature	The middle portion of the stand is wet being more of an E4 over swamp grass and tag alder. The aspen is at the northeast and south west ends. The crown closure is variable going from 0-100%. There are also inclusions of lowland shrubs.
117	6112 - Lowland Aspen	Poletimber Medium	52.7	48	51-80	The ash die-off is making canopy gaps and lowering the canopy closure to below 75%. The terrain is hummocky. The south west end is sparse from ash die-off. That area has a crown closure of less than 50%.
122	42220 - Natural Jack Pine	Poletimber Well	5.3	37	81-110	The terrain is hummocky. The lowlands are in pockets. There is some windthrow happening in the stand. The crown closure is now closer to 75%.
124	6112 - Lowland Aspen	Poletimber Poor	29.9	49	1-50	The lowlands are heavy to lowland shrubs. The uplands are on slight ridges. The overall terrain is hummocky. The stand is too wet to harvest.
125	4130 - Aspen	Poletimber Medium	11.6	54	51-80	The stand is mainly uplands with pockets of low ground.
126	42110 - Planted Red Pine	Poletimber Well	5.5	63	111-140	The stand has jack pine in the north ½ and red pine in the south 1/2. The red pine is still in rows, but they are not well defined because of past die off and encroaching seedlings. The crown closure is closer to 75%.
127	4130 - Aspen	Poletimber Well	3.4	53	81-110	Most of the stand could grow 10 more years to become a sawlog stand. The west end is heavier to bigtooth aspen and it looks like it is a poorer site.
128	4130 - Aspen	Sapling Medium	19.0	4	Immature	The stand was harvested in March of 2013. The regeneration is adequate. The stand does have areas that are open without much regeneration. However, currently the crown closure is closer to 75%. The terrain is hummocky, but it is mostly upland.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
130	4130 - Aspen	Poletimber Medium	24.4	32	51-80	The terrain is hummocky. The crown closure is around 85%. There is a gated trail that goes through the stand. The gate and parking area is also in the stand. ORVs are going around the gate.
131	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	11.6	34	1-50	The stand is a mixture of uplands and lowlands with the lowlands being the majority. The western 1/3 of the stand is quite wet with a tag alder and willow understory. The ash that was in the stand is dead. The stand is too wet to harvest.
133	4130 - Aspen	Poletimber Well	10.9	49	81-110	The stand has some very wet pockets. These areas are heavy to leather leaf with a low crown closure. The aspen in the stand is declining.
134	4130 - Aspen	Poletimber Well	18.0	48	81-110	The stand is somewhat cut off from the other stands with lowlands on 3 sides and a large drainage ditch along Wildwood Road. The stand itself is upland with some low pockets.
135	4130 - Aspen	Sapling Medium	35.4	5	Immature	The stand was harvested in March of 2013. The survey of the regeneration was conducted in August of 2015. The regeneration is patchy with some large areas of open herbaceous and lowland shrubs.
136	4130 - Aspen	Poletimber Well	55.0	50	51-80	The stand is 70% uplands. The wet pockets are scattered and there are some drains. The areas of heavy maple understory are in the wetter ground. The areas of higher oak regeneration are in the transition zones.
138	6112 - Lowland Aspen	Poletimber Medium	11.1	35	51-80	The stand has variable density. It goes from a crown closure of < 25 to > 60%. The average crown closure is 55%. There are numerous pockets of leather leaf, but the lowland is < 50%. The stand is too wet to harvest.
139	6121 - Tamarack	Poletimber Medium	4.0	54	51-80	This stand is a slightly dryer area of stand 277 allowing the tamarack to seed in. The trees are a variety of sizes ranging from seedlings to poles.
142	6112 - Lowland Aspen	Poletimber Well	10.0	33	51-80	The terrain is hummocky. The stand has a heavy maple understory. The terrain is about a 50-50 mix of uplands and lowlands. There is a broad base drain going through the central portion of the stand.
143	6113 - Lowland Maple	Poletimber Poor	7.7	85	1-50	The stand is too wet to cut. The ash is dead leaving only scattered maple and oak. The crown closure is closer to 25%. The ground has a heavy fuel load with lots of down trees.
145	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Medium	8.2	24	Immature	The soils are Au Gres/Kinross series, which is poorly drained. The jack pine looks to have a site index around 45. The area is filling in with seedling jack pines, but the stand is sparsely treed along the eastern edge. The terrain is hummocky. The stand is about 55% uplands and the lowlands are heavy to leather leaf and sheep laurel.
146	6113 - Lowland Maple	Sapling Medium	8.8	18	Immature	The stand is too wet to harvest.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
147	6126 - Lowland Jack Pine	Poletimber Poor	3.8	24	Immature	The stand is seeding in with tamarack and jack pine. In addition, there is a trace of aspen, maple and oak. The groundcover is mainly leather leaf and sheep laurel. The terrain is very hummocky.
149	6112 - Lowland Aspen	Poletimber Medium	11.8	33	51-80	The stand is a mix of ridges, depressions, and swales. Some of the depressions contain dense leatherleaf. There is a drainage going south west from stand 144 and along the south-east edge.
150	6112 - Lowland Aspen	Sapling Poor	36.8	35	1-50	The stand is a matrix with upland ridges and leatherleaf swales. Overall, the stand is too wet to harvest.
151	4131 - Aspen, Oak	Poletimber Well	15.2	33	51-80	The Boy Scout trail runs through the stand, with most of the log sized oak being along the trail. The aspen is now moving into the canopy. The maple is still a little behind, but it is also making it into the canopy. The terrain is hummocky and there are some small pockets of wet ground. However, most of the stand is a ridge.
152	4130 - Aspen	Poletimber Well	17.1	33	51-80	The Boy Scout Trail traverses the stand. The trail is on a slight ridge. The stand is about 70% uplands. Some of the low ground is quite wet. Most of the wettest ground is along the south side of the stand.
156	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	19.3	50	81-110	The terrain is hummocky. The stand is about 60% lowlands. The uplands are along the west 1/2. The red pine is in one pocket. The stand is treatable in late summer and winter. It has some inclusions of lowland shrubs.
157	4131 - Aspen, Oak	Sapling Poor	18.8	16	Immature	The stand is a 50-50 mix of uplands and lowlands. Some of the low areas are leather leaf. The terrain is hummocky. The crown closure is around 35%.
159	4130 - Aspen	Sapling Medium	15.5	5	Immature	The stand was final harvested in 2013 as part of the Possum Pass, sale #73-012-12-01. There are many pockets where the aspen did not regenerate throughout the stand. Overall, the crown closure is around 60%. In addition, there is some pockets of mortality in the clones. There is also a swale running through the center of the stand that only has some red maple regeneration.
160	4130 - Aspen	Poletimber Poor	31.1	34	1-50	The stand is a mixture of uplands and lowlands with the uplands making up about 80%. The crown closure is around 50%.
163	4130 - Aspen	Poletimber Well	13.2	30	51-80	The terrain is hummocky. The stand is about 85% uplands.
164	4130 - Aspen	Poletimber Poor	6.7	35	1-50	The stand is on a ridge and quite sparse. Most of the trees look to be in the 30-40-year-old age class. However, there are some larger diameter quaking aspens that are older than that.
165	4130 - Aspen	Poletimber Well	8.0	34	51-80	The stand is a matrix of uplands with lowland swales. The swales are heavy to tag alder, maple, quaking aspen with some oak.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
166	4139 - Aspen, Mixed Deciduous	Poletimber Well	5.2	30	81-110	The stand is a mixture of uplands with scattered lowland swales. The uplands are heavy to quaking aspen and the lowlands are heavy to red maple and alder.
169	4199 - Other Mixed Upland Deciduous	Sapling Poor	8.7	10	Immature	Overstory removal of mature oak was done in October of 2016. The oak regeneration that resulted from the cut is not established. The amount of deer browse is moderate on the new regeneration. The stand was part of the sale Possum Pass, sale #73-012-12-01.
170	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	14.6	79	111-140	The ash in the stand is dead. The uplands are islands. There is a broad base drain moving through the stand.
171	4125 - Black, N. Pin Oak	Sawtimber Well	13.8	78	1-50	There is dense black oak regeneration. Overstory of mature oak will succeed naturally.
173	6112 - Lowland Aspen	Poletimber Medium	7.7	34	51-80	The stand is low and wet with pockets of dryer ground. The understory is thick with tag alder and willow. The ash in the stand is dead. The stand is too wet to harvest.
174	4139 - Aspen, Mixed Deciduous	Poletimber Medium	19.0	34	51-80	The stand is mainly uplands with some pockets of lowlands. The site index is low being between 45 and 50. The aspen is 49 years old and height being between 40 and 50 feet.
175	4139 - Aspen, Mixed Deciduous	Poletimber Well	44.8	43	81-110	The stand is 55% uplands. The East side is heavy to quaking aspen. There are several drains that cross the stand. There are inclusions of lowland shrubs associated with the drainages. The wetness of the stand increases going west.
176	4130 - Aspen	Sapling Well	14.9	30	1-50	The terrain is hummocky. The east leg is very wet. The maple regeneration is heaviest along the east side. The oak regeneration is patchy.
180	4131 - Aspen, Oak	Sapling Medium	5.0	23	Immature	The stand is variable going from poles to seedlings. There are some openings in the northwest end of the stand where it is sparse. The oak seedlings are now > 4' tall so they are established.
181	4131 - Aspen, Oak	Sapling Well	19.6	20	Immature	The stand has regenerated well. The crown closure is closer to 75%. There is a lot of oak regeneration in the openings. The stand is wet along the east side
183	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	26.5	68	51-80	The stand is 85% uplands. There are pockets of thick regeneration. The regeneration is heavy to maple but there is also significant amount of oak and tamarack.
184	4130 - Aspen	Poletimber Well	51.1	43	81-110	There are pockets of lowland shrubs scattered in the stand especially at the east end.
186	6126 - Lowland Jack Pine	Poletimber Poor	4.9	39	51-80	The stand is wet. The stand grades from jack pine along the northeast side to tamarack along the southwest side.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
187	4131 - Aspen, Oak	Poletimber Well	7.6	34	81-110	The terrain is hummocky. There are areas of lowland shrubs which are associated with a drainage that flows along the west side of the stand. The lowlands make up < 40% of the stand.
188	4199 - Other Mixed Upland Deciduous	Poletimber Medium	5.8	32	51-80	The stand overstory is sparse. The openings are regenerating well with oak and maple. The stand could be called two-aged but much of the oak regeneration is just reaching the size to be called established.
189	6112 - Lowland Aspen	Sapling Medium	4.5	26	Immature	The stand is hummocky. It is somewhat land locked by private and a very wet lowland shrub type. The only access would be to use a large culvert and come in off M-61.
190	4119 - Mixed Northern Hardwoods	Poletimber Well	16.6	82	81-110	The stand is a mixture of lowlands and uplands with the uplands being the majority. It has a drainage in it which is converting to scattered maple over lowland shrubs because the ash has died. There are also inclusions of very wet ground. .
191	4199 - Other Mixed Upland Deciduous	Poletimber Medium	30.3	37	1-50	The stand is a fine matrix of uplands and lowlands with lowlands making up about 35%. There are areas of dense trees and areas that are open. The terrain is hummocky.
194	4125 - Black, N. Pin Oak	Poletimber Medium	4.6	52	51-80	The stand has some residual oak overstory that was left when the stand was harvested. It has regenerated and some of the regeneration is now poles.
195	4125 - Black, N. Pin Oak	Poletimber Medium	11.2	52	51-80	The stand has a lot of oak. The birch trees are along the wet edges. Quaking aspen is scattered throughout the stand but they're more prominent in west ½ of the stand.
197	4139 - Aspen, Mixed Deciduous	Poletimber Well	10.2	52	81-110	The stand is mainly uplands with some small inclusions of lowlands.
198	6113 - Lowland Maple	Poletimber Medium	29.1	82	51-80	The stand is a mixture of uplands and lowlands with the lowlands making up about 55%. The wet ground is concentrated along the west side. There are inclusions of low wet pockets throughout the rest of the stand. The crown closure is only slightly below 75% at the current time. The aspen is overmature and has significant mortality.
199	6112 - Lowland Aspen	Poletimber Medium	7.6	42	1-50	There is a lot of blow down. It is a drainage. Overall the stand is too wet to harvest.
200	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	18.2	52	1-50	The stand is a mixture of uplands and lowlands with the lowlands making up about 50%. Trees are in patches. The terrain is hummocky. The regeneration in the stand is scattered. There are a lot of white pine stumps in the stand.
201	4199 - Other Mixed Upland Deciduous	Sapling Poor	11.8	17	Immature	The stand was habitat cut in 2001 by wildlife with FTP W73-663. The aspen has not regenerated well. It is mainly in patches. The maple in the stand are in clumps. Overall, the stand is 75% uplands. The oak is in two size classes, 15% is log and 20% seedling/saplings.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
202	6139 - Mixed Lowland Forest	Poletimber Medium	7.7	46	51-80	The stand is a mixture of uplands and lowlands with the lowlands making up about 75%. The ground cover in the lowlands is mainly leather leaf. The stand has a significant amount of tamarack regeneration. The terrain is hummocky.
205	4319 - Mixed Upland Forest	Poletimber Medium	47.1	52	1-50	The stand is a mixture of uplands and lowlands with the lowlands making up about 45%. There are some dry ridges in the stand. Much of the open land is lowland shrubs. There are some low areas that are very wet. The terrain is hummocky.
207	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	19.9	52	51-80	The stand is a mixture of uplands and lowlands with the lowlands making up about 65%. The terrain is hummocky. The stand looks like it dries out in late summer.
210	4139 - Aspen, Mixed Deciduous	Poletimber Well	29.3	52	51-80	The stand is made up of ridges and swales. It is heavy to aspen and much of it is concentrated in the south ½. The north edge of the stand that is south and west of stand 209 grades from aspen ridges to mixed lowland deciduous swales.
211	4199 - Other Mixed Upland Deciduous	Poletimber Medium	30.8	52	51-80	The stand is a mixture of uplands and lowlands with the uplands making up about 60% of the stand. The terrain is hummocky. The quaking aspen is poor quality. The crown closure is close to 70%.
212	6112 - Lowland Aspen	Poletimber Medium	21.4	25	Immature	The uplands are a series of knobs surrounded by lowland shrubs. In the wet areas there are scattered maple and quaking aspen. The knobs have a crown closure closer to 100% and in the wet areas it is below 50%.
214	6121 - Tamarack	Poletimber Well	12.2	52		The stand is about 55% lowlands. There is some mortality in the tamarack, but it scattered. The crown closure is closer to 75%. The terrain is very hummocky
215	4139 - Aspen, Mixed Deciduous	Poletimber Well	40.7	52	81-110	The stand has inclusions of low wet ground as well as open herbaceous. The terrain is hummocky. The open ground in the west side is hummocky and dry. The openings on the east side are hummocky and wet. There is a broad base drain at the south end.
216	4199 - Other Mixed Upland Deciduous	Poletimber Poor	13.9	54	51-80	The stand is a mixture of uplands and lowlands with the uplands making up 70%. There is a pocket of tamarack in the stand.
217	4130 - Aspen	Poletimber Poor	5.7	46		The stand is a mixture of uplands and lowlands with the lowlands making up the majority. The crown closure is closer to 25%. There is some blow down. The aspen in the stand has poor form.
218	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	23.5	52	1-50	The stand is sparse and hummocky with inclusions of low wet ground. It is blocked by physical obstacle. The aspen in the stand is declining.
219	6121 - Tamarack	Poletimber Poor	22.2	52	51-80	The stand is a mixture of uplands and lowlands with the lowlands making up about 75%. There are some areas that are very sparse. The crown closure is closer to 50%. The terrain is hummocky and very wet. The uplands in the stand are mainly islands. The largest one is at the east end.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
220	6113 - Lowland Maple	Poletimber Well	32.3	52	1-50	The stand is a mixture of uplands and lowlands with the lowlands being around 75%. The aspen is heaviest in the west end. The wettest areas are in the east ½ of the stand. These wet areas are mainly saplings and poles.
222	4130 - Aspen	Sapling Medium	28.0	5	Immature	The stand is sparse consisting of clones of aspen with scattered oak, maple, and tamarack. There are some good sized grassy openings. The oak regeneration is less than 4' so it is not established. There are also pockets of lowland shrubs and leatherleaf. The deer browse is moderate. The crown closure is closer to 50%. The terrain is hummocky.
225	4199 - Other Mixed Upland Deciduous	Poletimber Poor	9.8	52	1-50	The stand had the aspen and maple removed. The open areas are regenerating to a mix of aspen, maple and oak.
226	4130 - Aspen	Sapling Medium	25.1	6	Immature	The stand is a mixture of uplands and lowlands with the lowlands making up about 25%. There are numerous openings in the stand. The deer browse is moderate. The oak regeneration is less than 4' tall so it is not established. There is also tamarack and maple seeding in. The white pine in the stand is concentrated in one pocket.
228	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	16.3	52	51-80	The stand is hummocky. The crown closure is variable going from 0-90%.
230	6113 - Lowland Maple	Sawtimber Medium	13.0	69	81-110	This stand is mainly wet but there are some dryer areas. The ground cover indicates the stand is too wet to harvest overall. The ash component is now dead making the crown closure around 75%.
231	6121 - Tamarack	Poletimber Well	2.0	52	51-80	This is a small pocket of tamarack. The terrain is hummocky with numerous wet pockets. The stand is 75% lowlands. However, the uplands are in the form of small knobs
233	6113 - Lowland Maple	Poletimber Well	9.8	50	51-80	The stand is hummocky and wet. There are some upland areas especially along stand 255.
234	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	13.6	47	51-80	The stand is a mix of uplands and lowlands with the lowlands being the majority. The terrain is hummocky.
236	4139 - Aspen, Mixed Deciduous	Poletimber Poor	31.2	32	Immature	The stand was clearcut in 1985. The regeneration is poor and slow in coming back. Low areas of tag alder and leather leaf are in defined pockets throughout the stand. The terrain is hummocky. Overall, the stand is about 60% uplands. The crown closure is around 25%.
237	6113 - Lowland Maple	Poletimber Medium	4.7	77	51-80	The ash in the stand is dead and a lot of it is now on the ground. The stand has areas with a BA > 100 sq. ft. However, it averages 75-85 sq. ft.
238	4139 - Aspen, Mixed Deciduous	Sapling Medium	33.5	32	Immature	The stand was clearcut in 1985. The regeneration is variable, but it is coming along. There are veins of tag alder that had ash in them. However, the ash is now dead. The terrain is hummocky. The crown closure is around 55%.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
240	4131 - Aspen, Oak	Sapling Medium	47.7	11	Immature	The stand was harvested in 2006. The harvest was a clear cut leaving all oak and marking some scattered mature trees for seed, mast, den trees, future snags and coarse woody debris. It has regenerated to a medium stocking of aspen, oak and maple. Most of the stand is upland with scattered lowland pockets of leather leaf and lowland shrubs.
241	4139 - Aspen, Mixed Deciduous	Poletimber Well	12.4	36	51-80	The stand was harvested as a clear cut in 1981. The terrain is hummocky and there are inclusions of leather leaf. The crown closure is closer to 75%.
242	6112 - Lowland Aspen	Poletimber Well	17.2	36	51-80	The stand was habitat cut in 1981. The regeneration is a mix of quaking aspen, red maple and oak. There are some areas that are wet with an overstory of sparse red maple over tag alder and lowland shrubs. The stand is about 60% lowlands.
243	4139 - Aspen, Mixed Deciduous	Poletimber Medium	48.7	48	51-80	The stand has scattered semi open areas. It was cut around 1969 in the Deer Range Improvement Program. The stand is a ridge.
246	6112 - Lowland Aspen	Poletimber Poor	10.4	48	1-50	The stand is mainly tag alder with scattered aspen. It is too wet to harvest.
247	6139 - Mixed Lowland Forest	Sapling Medium	6.6	48	1-50	The stand is of poor quality. The main species are quaking aspen in the south half and jack pine in the north half. The terrain is hummocky.
248	4130 - Aspen	Sapling Medium	16.1	11	Immature	The stand was final harvested in 2006. It has regenerated fairly well. When it was harvested the oak was retained. The oak that was left were saplings. The south end has a leather leaf pocket and there are several lowland depressions scattered in the stand. The terrain is hummocky. The aspen is in pockets. The stem density is higher near the road.
249	4131 - Aspen, Oak	Poletimber Medium	21.7	50	1-50	The terrain is hummocky. The crown closure is variable, going from 0 to 100%. There are some small inclusions of wet ground that make up less than 15% of the stand.
250	4139 - Aspen, Mixed Deciduous	Poletimber Medium	19.2	50	1-50	The stand was cut during the Deer Range Improvement Program around 1967. The lowlands make up around 30% of the stand. The terrain is hummocky.
253	4139 - Aspen, Mixed Deciduous	Poletimber Well	18.7	50	1-50	The stand was cut during the Deer Range Improvement Program around 1967. The terrain is hummocky. There are pockets of leather leaf. There are also some log size oaks.
254	6112 - Lowland Aspen	Sawtimber Medium	15.7	50	1-50	The stand has some good size open areas. There is a significant understory of oaks. There is a small inclusion of leather leaf in the south west corner of the stand.
255	42110 - Planted Red Pine	Poletimber Well	18.0	57	111-140	The stand had a first-time row thinning last YOY. It was part of the Ridge Runner sale and it was thinned in the fall of 2004. The current BA is around 130 sq. ft. The terrain is undulating and the stem density increases going north. There is good red pine and oak regeneration in the canopy gaps.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
256	4139 - Aspen, Mixed Deciduous	Sapling Well	30.8	38	1-50	The stand is about a 50-50 mix of uplands and lowlands. The terrain is hummocky and there are areas of lowland shrubs.
258	4130 - Aspen	Sapling Well	8.7	30	51-80	The stand was clearcut in 1988. It is mostly uplands with small pockets of lowland shrubs. Overall, the stand is doing well and transitioning into poles.
259	6113 - Lowland Maple	Poletimber Medium	73.2	88	81-110	The stand is too wet to harvest overall. There are pockets of tag alder. The stand also has a broad base drain running through it. In this area the stand has a low crown closure because of ash die off. The ash die-off has lowered the crown closure to < 75%. The stand is about 70% lowlands.
260	6113 - Lowland Maple	Poletimber Poor	25.6	85	1-50	The stand is too wet to harvest. The ash in the stand is now dead and coming down lowering the crown closure to around 25%.
262	4130 - Aspen	Poletimber Medium	23.5	43	1-50	The stand has some open areas that are bracken fern and poverty grass. There are also scattered tag alder pockets. Overall, the stand is around 60% uplands. The terrain is hummocky.
263	4131 - Aspen, Oak	Sapling Poor	37.9	12	Immature	The stand was clear cut in 2006 retaining oak. The stand is about a 50-50 mix of uplands and lowlands. The regeneration is patchy with a crown closure around 35%. The terrain is hummocky. The areas of low density are the wet areas in the stand.
265	4139 - Aspen, Mixed Deciduous	Poletimber Medium	23.6	50	1-50	The stand is variable. It has a ridge along the road and one along stand 251. The area between the ridges is a hummocky wet swale. The swale has an understory of lowland shrubs and leather leaf. There are also some well stocked aspen clones, scattered mature oak, and areas of heavy oak regeneration. The red pine component is in the central portion of the stand. The pine is around 19 years old. There are also areas that are semi open, and pockets of lowland shrubs and leather leaf with only scattered trees. The stand was cut during the Deer Range Improvement Program around 1967.
266	6121 - Tamarack	Poletimber Medium	11.7	42	1-50	This is a dryer portion of stand 62 that has regenerated to tamarack. The size class distribution ranges from seedlings to sawlogs. It is too wet to harvest. The crown closure is closer to 50%. The terrain is hummocky and wet.
267	6113 - Lowland Maple	Poletimber Well	36.9	70	81-110	This is a wet site. The stand has some isolated upland ridges with sparse aspen and oak. What ash was in the stand is dead. The low wet areas are quite wet. Some of the wet pockets have button bush, tag alder, and Michigan holly. The crown closure is around 75%.
269	6112 - Lowland Aspen	Poletimber Well	7.8	28	51-80	There is a drainage that flows through the stand. The terrain is hummocky. The lowlands to uplands mix is about a 50-50. The stand looks to have a seasonally high-water table.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
270	4199 - Other Mixed Upland Deciduous	Sapling Medium	14.1	30	1-50	The stand was final harvested in 1988. It looks like it is a fairly wet site. The stand has a good mix of red maple and oak regeneration. The edge along the west side is heavy to oak and maple and it is wetter. There are pockets of E-type with tag alder understory.
271	4125 - Black, N. Pin Oak	Poletimber Well	5.6	54	1-50	The stand is filling in well. The crown closure is over 75% and it is made up of a variety of poles and larger saplings.
272	6114 - Lowland Oak	Poletimber Medium	4.1	54	1-50	The stand is sparse. The crown closure is just over 50%. There are areas in the stand that are mainly tag alder.
273	4199 - Other Mixed Upland Deciduous	Sapling Medium	10.6	22	Immature	Overall, the stand is about 60% uplands. The stand is wetter with a low stem density to the east and it becomes more uplands with higher stem density to the west. The species also grades from maple/oak to the east to oak/aspens/maple to the west.
274	4131 - Aspen, Oak	Sapling Poor	10.1	22	1-50	The north 1/2 of the stand is sparse. The stem density increases going to the south. When the stand was harvested the oak < 4" DBH were retained. There are lowland inclusions along the north and east edges. In these areas the trees have smaller diameters. The terrain is hummocky.
275	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	11.9	53	51-80	The aspen in the stand is declining. There are 2 traditional hunting camps in it. The stand could be harvested as an over story removal. However, there are areas of thick regeneration that should be painted out. The stand could also be held till next Year of Entry.
276	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	7.2	81	81-110	There is a deep draw in the stand with a creek running in it. The creek runs to the south then along M-61 to the Molasses River. The sides of the draw are too steep, and the floor of the draw is too wet to harvest.
279	4199 - Other Mixed Upland Deciduous	Poletimber Medium	49.7	54	1-50	The stand is mainly sparse oak and declining aspen. However, it is slowly filling in with oak, maple, and tamarack seedling/saps. Most of it is now above the deer. The crown closure is now closer to 50%. The terrain is hummocky and there are inclusions of leather leaf.
280	6112 - Lowland Aspen	Poletimber Well	7.9	34	51-80	The stand is on one of the higher tiers above the Molasses River. There are several drains that cross the stand. The crown closure is closer to 75%. However, it ranges from 40 to 100%. The ground cover is heavy to sensitive fern.
281	4130 - Aspen	Poletimber Well	11.9	34	51-80	The stand is moving nicely into poles. The stand is uplands, for the most part. There is a drainage in the western portion that flows into stand 276.
282	6112 - Lowland Aspen	Sapling Well	17.4	24	51-80	The stand is lowlands with several drains that cross it. However, it appears to dry out in late summer and fall. Therefore, it will be treatable when it is ready. The crown closure is closer to 75%. Along the southern edge of the stand there is an old road bed that has 2 culverts in place. The west one is still good. The east one has failed, and it is exposed.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
283	6112 - Lowland Aspen	Sapling Medium	4.8	24	1-50	There are 2 dryer ridges in the stand that are bordered by broad base drains. The 2 drains flow through the stand from the northeast to southwest. There are portions of them that are mainly tag alder and willow shrubs.
285	4130 - Aspen	Sapling Well	11.3	24	51-80	The stand is doing well, and it is mostly uplands. However, there are some inclusions of lowlands scattered in the stand.
287	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.4	34	51-80	The terrain is hummocky. There are areas of lowland shrubs which are associated with a drainage that flows through the stand. The lowlands make up < 40% of the stand.
288	4136 - Aspen, Mixed Conifer	Poletimber Poor	8.8	52	1-50	The stand is mainly uplands with some small lowland inclusions. The crown closure is closer to 25%.
289	6121 - Tamarack	Poletimber Poor	1.8	29	1-50	The stand has just over 25% crown closure. The trees are mainly poles and saplings.
293	4130 - Aspen	Sapling Medium	20.4	24		There are 3 narrow drains that bisect the stand. Aspen is more common along the trail. The oak and maple are more common away from it.
294	4130 - Aspen	Sapling Well	14.3	34	81-110	There is a drain bordered by steep banks that bisect the stand. This is the only lowlands in the stand.
295	4130 - Aspen	Poletimber Well	18.5	34	51-80	The stand is 90% uplands. The lowlands that are in the stand consist of only small wet inclusions and a drainage that bisects the stand.
297	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	4.9	54		The stand is 70% lowlands. The terrain is hummocky. The crown closure is closer to 75%.
300	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	19.7	88	51-80	This stand goes down to the Molasses River flood plain. It is mostly made up of a steep slope. The crown closure has thinned out because of ash die off, aspen decline and some wind throw.
302	4131 - Aspen, Oak	Sapling Medium	19.0	12	Immature	The stand was clear cut in the spring of 2006. It has a low site index. The regeneration of aspen is only 8' tall after 11 years. There is mortality in some of the clones. There are large areas with very little if any regeneration.
303	4199 - Other Mixed Upland Deciduous	Poletimber Well	16.6	81	51-80	The stand is variable but has an overall crown closure that is > 75%. The open areas are slowly filling in, so all ages are present. The stand is mostly uplands but there are around 35% lowlands. The stand should be held till next Year of Entry.
304	6112 - Lowland Aspen	Sapling Poor	8.7	34	1-50	The stand is wet, and the regeneration is patchy and has a crown closure below 50%.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
307	6113 - Lowland Maple	Sawtimber Poor	27.3	99	1-50	This stand goes down to the Molasses River flood plain. Much of the overstory is dead being heavy to ash and overmature aspen. At the northern end of the stand it is not as steeply sloped as it is in the southern end.
308	4130 - Aspen	Sapling Well	20.9	14	Immature	This stand was harvested in 2004. It has regenerated well. Overall, the stand is well-stocked. The stand is mainly uplands but along the east and south edges there are wet areas. There is also a drainage that goes through the stand. The terrain is hummocky.
309	4130 - Aspen	Poletimber Poor	22.9	33	81-110	The stand is a mixture of uplands and lowlands. There are dense areas of regeneration as well as areas that are open. The southwest side of the stand is more upland with ridges and swales. Some of the ridges have steep slopes. The northeast side is more of a 50-50 mix of uplands and lowlands. The stand does have a trace of live green ash that is approaching pole size.
313	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	22.5	24	1-50	There is evidence of heavy rutting when the stand was harvested. The regeneration is coming in slowly. The oak in the stand is around 23 years old. However, there is a lot of small seedling/sapling oak and maple in the stand. The smaller trees make up a lot of the crowns.
317	4119 - Mixed Northern Hardwoods	Sawtimber Medium	13.2	93	51-80	The stand is about 15% lowlands. The stand is operable. The quality of the stand is below average. The aspen falling out of the stand. The south end is denser, but the terrain is hummocky with heavy red maple saps.
318	6113 - Lowland Maple	Sapling Medium	7.6	27	1-50	The stand is > 50% lowland. The ground cover is heavy to lowland shrubs and marsh grass. There is larger timber in the south end which grades to saps/poles over lowland shrub north. The ash is dead as well as a significant portion of the over story.
319	4119 - Mixed Northern Hardwoods	Poletimber Poor	12.2	53	1-50	The stand was shelterwood harvested in the summer of 2016, Outback Mix, sale #73-023-13-01. There is a drainage running through the stand. The regeneration is minimal.
321	4119 - Mixed Northern Hardwoods	Poletimber Poor	7.6	82	1-50	The overstory in the stand is dying out. It is made up of overmature aspen. Currently the crown closure is closer to 25%. The terrain is hummocky.
322	6113 - Lowland Maple	Poletimber Medium	79.0	34	1-50	Much of the over story is gone. The stand is now more of a sapling/pole stand with scattered mature maple. There are a few upland knobs in the stand that could be harvested. However, they cannot be accessed because of the wetness of the stand. The ground cover has a lot of marsh-grass.
323	4112 - Maple, Beech, Cherry Association	Poletimber Medium	7.1	81	51-80	The stand was harvested as a shelterwood harvest in the summer of 2016, Outback Mix, 73-023-13-01. The stand has poor regeneration from stump sprouts or root suckers at the current time. The aspen that was cut did not regenerate.
324	6113 - Lowland Maple	Sapling Poor	19.0	34	1-50	The stand is 75% lowlands. There are some ridges in the stand. The terrain is hummocky.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
325	4131 - Aspen, Oak	Sapling Medium	50.8	12	Immature	The stand was clear cut in 2006. When it was harvested the oak < 8" DBH were left. The site index for the stand is around 55. Currently the quaking aspen is 5-10 feet tall the big tooth is 10-20 feet tall. The stand is about 80% uplands. The lowlands are in pockets and most are < 1 acre in size.
327	6139 - Mixed Lowland Forest	Poletimber Poor	7.8	34	1-50	The stand is a 50-50 mix of uplands and lowlands. The crown closure is densest in the low ground.
332	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Medium	6.1	96	81-110	There is a small drain that runs through the stand that flows into the Molasses River. There is a trace of hemlock in the canopy. The stand is in a ravine with steep slopes, especially at the south end. Throughout the stand there is a lot of blow down. The overall crown closure is closer to 50%.
334	4130 - Aspen	Sapling Medium	33.4	12	Immature	The stand was clear cut around 2006. The aspens, maples, and oaks are heavily browsed. It appears that the aspen site index is 50. Overall, the stand is about 80% uplands and has a crown closure just over 50%.
335	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	28.7	31	51-80	The edges of the stand are uplands. There is a drainage flowing through the stand.
337	4121 - Oak, Aspen	Sapling Well	4.8	57	1-50	The stand was harvested around 2006. All the aspen and maple were cut, and the oaks were left. The stand has more of a 2-age appearance. The residual co-dominate oaks are around 50 years old, which is over new aspen regeneration.
338	4199 - Other Mixed Upland Deciduous	Sapling Medium	16.3	14	Immature	This stand was harvested around 2004 and it has regenerated. Overall, the stand is moderately stocked with some areas that are well-stocked. The stand is a mixture of uplands and lowlands, with the lowlands making up about 40%.
339	4130 - Aspen	Sapling Well	11.5	24	Immature	The crown closure is closer to 75%. The quaking aspen is heaviest in the southwest leg of the stand. The site index was recorded last YOY at 60.
340	6112 - Lowland Aspen	Poletimber Poor	28.8	31	1-50	The stand is a mixture of uplands and lowlands. There are areas with dense regeneration as well as open areas. Burns have been attempted in the past to stimulate regeneration, but the results have been mixed. The site index is 45 so the stand is a non-productive site. The terrain is very hummocky. The trees are in pockets with a lot of open ground.
342	4139 - Aspen, Mixed Deciduous	Sapling Poor	23.2	6	Immature	The stand was harvested as a clearcut in 2012. The areas that were too wet to harvest were painted out. The stand is a mixture of uplands and lowlands. It has regenerated to a mixture of aspen, oak, and maple. In 2016 the regeneration was checked, and the survey reported 1090 stems per acre. This regeneration is patchy and much of the stand is heavily browsed.
343	4130 - Aspen	Sapling Well	10.0	33	51-80	The aspen is around 30 feet tall at 33 years old (SI around 45). The aspen has poor form. The terrain is hummocky. The stand is about 30% lowlands



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
347	4125 - Black, N. Pin Oak	Poletimber Medium	27.5	24	Immature	The crown closure goes from < 25% to 80%. The north end of the stand, along the trail, is upland and heavier to saw log oak. There is a drainage going through the central portion of the stand.
350	4130 - Aspen	Sapling Well	24.3	26	51-80	The stand is a mix of ridges and swales. It is transitioning into poles well. There are 2 visible drainages in the south ½ of the stand. Overall, the stand is about 40% lowlands. The low areas have a lower crown closure.
352	6112 - Lowland Aspen	Sapling Medium	16.1	17	Immature	The stand is a mix of uplands and lowlands. The lowlands are about 65% of the stand. There is also a trace of cedar, elm, tamarack, and live ash.
353	4130 - Aspen	Sapling Medium	21.4	28	81-110	The stand is about 65% uplands. The uplands run along the northeast side. The south west portion of the stand is lower and wetter. The wet areas look like they dry out in summer. In addition, the stand has one of the old deer exclosures that is still intact.
354	6112 - Lowland Aspen	Sapling Medium	4.1	48	51-80	The stand is wet, and the terrain is hummocky. The edges are uplands but most of the center is a broad base drain.
355	6114 - Lowland Oak	Poletimber Medium	9.8	105	51-80	Much of the stand is the slope going down to a lower tier of the Molasses River Flood Plain. The stand has an area of red osier dogwood toward the north end. However, much of the flood plain is significantly higher than the Molasses River.
356	4112 - Maple, Beech, Cherry Association	Poletimber Medium	3.0	56	51-80	The terrain is hummocky. There are inclusions of very wet ground that makes up around 20%.
358	4130 - Aspen	Sapling Well	19.1	28	1-50	The terrain is hummocky. The stand is about a 50-50 mix of uplands and lowlands. Currently, the stand is transitioning into poles. There is a drainage that flows through the central portion of the stand. the central portion of the stand.
359	4130 - Aspen	Sapling Medium	8.2	20	Immature	The stand was clear cut in 1998. The regeneration is patchy.
360	6113 - Lowland Maple	Poletimber Poor	14.9	86	51-80	The ash in the stand is dead. This has reduced the crown closure to below 50%. The stand does have a couple of upland ridges. Two of the ridges were cut in 1999. The strips have patchy regeneration. However, overall the stand is too wet to harvest.
361	4130 - Aspen	Sapling Well	19.7	28	1-50	The stand is mainly on a ridge. It has sweet fern, bracken fern, and autumn olive along the road. The trees are currently transitioning into poles. The terrain is undulating.
363	6113 - Lowland Maple	Sawtimber Medium	26.9	66	1-50	The terrain is hummocky. The lowlands make up about 80% of the stand. Some of the lowlands are too wet to harvest, especially the north and south east ends.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
364	4130 - Aspen	Sapling Poor	9.3	19		North end of the stand is open herbaceous with scattered aspen, maple and oak. The stand was harvested in 1999 and the regeneration is patchy at best. In addition, there is a drainage going through the stand from stand 363 to 365.
365	6113 - Lowland Maple	Poletimber Medium	6.5	101	51-80	The stand is the buffer that was left from the 1998 harvest to protect the intermittent creek that flows through the stand. Some uplands were included in the buffer. Do not treat this stand and leave it as a buffer. Overall, the stand is too wet to harvest.
366	4139 - Aspen, Mixed Deciduous	Poletimber Well	6.2	19		The terrain is hummocky. It is a mix of uplands and lowlands. The lowlands are depressions of tag alder with some scattered aspen and maple. The stand was harvested in 1998. Hold the stand until the understory is ready to be harvested.
367	4119 - Mixed Northern Hardwoods	Poletimber Well	8.8	45	81-110	The terrain is hummocky and dry for the most part. The aspen is declining. The aspen and birch could be harvested as well as some of the overstory maple and oak. However, hold 10 years and then harvest.
368	6120 - Lowland Cedar	Sawtimber Medium	6.5	125	111-140	The stand has heavy blow down in the cedar. The crown closure is now around 60%. There is a small dry ridge in the stand. The lowlands make up around 80% of the stand. However, overall it is too wet to harvest.
369	4130 - Aspen	Sapling Well	5.0	18	Immature	The terrain is undulating. There is a trace of paper birch, white oak, and red pine.
370	4131 - Aspen, Oak	Sapling Well	19.8	40	51-80	The stand slopes down away from the road. It could be harvested as a clear cut with retention. However, hold the stand for 10 years.
374	4130 - Aspen	Sapling Well	7.2	18	Immature	Most of the stand is a ridge that slopes down to wetter ground. Overall the stand is about 70% uplands. Most of the wet land is along the north edge and at the east end. The crown closure grades from about 50% at the west end to 95 % at the east end.
375	6112 - Lowland Aspen	Poletimber Medium	16.4	31	1-50	The stand is a mixture of uplands and lowlands. There are areas with dense regeneration as well as areas that are open. Burns have been attempted in the past to stimulate regeneration, but the results have been mixed.
376	4131 - Aspen, Oak	Sapling Medium	44.6	7	Immature	The stand was harvested in 2011 and has regenerated fairly well. The crown closure is patchy as well as the species. The stand is a mixture of aspen clones, oak pockets and herbaceous openings.
379	6113 - Lowland Maple	Poletimber Poor	11.4	50	1-50	The stand is very hummocky. The ground cover indicates that the stand has standing water most of the year. Overall, the stand is too wet to harvest most years.
383	6112 - Lowland Aspen	Poletimber Well	12.6	50	81-110	The stand is about 60% lowland. It is not so wet it cannot be treated.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
384	4130 - Aspen	Poletimber Poor	8.7	48	1-50	The stand has pockets of leather leaf, but it is upland overall.
385	4199 - Other Mixed Upland Deciduous	Sapling Medium	43.4	17	1-50	The stand was harvested as a clear cut with retention around 1999. The harvest retained trees less than 4" DBH. The regeneration that resulted from the cut, by seed, or root sucker is now > 4 feet tall. The terrain is hummocky.
386	6113 - Lowland Maple	Poletimber Poor	31.0	93	1-50	The stand is too wet to harvest. It has some upland islands that could be treated but are blocked by the rest of the wet stand. The ash in the stand is dead. The crown closure is now closer to 25%. The understory is thick with tag alder and Michigan holly. There is a pocket of tamarack at the northeast end.
388	6112 - Lowland Aspen	Poletimber Medium	24.0	48	51-80	The stand is a 50-50 mix of uplands and lowlands. The understory is heavy to single stem maple. The stand could be converted to a decent lowland maple stand. The ground cover looks like the site would grow better maple than aspen.
391	6113 - Lowland Maple	Poletimber Poor	5.3	47	1-50	The stand is slightly higher than stand 392. The ash in the stand is dead. Currently, the stand is mainly scattered maple and birch. Overall, the stand is too wet to harvest.
394	6113 - Lowland Maple	Poletimber Well	11.9	48	81-110	The older overstory ash is dead and coming down. Much of the stand is now sapling/pole size maple. The terrain is hummocky. There is some scattered hybrid oak and swamp white oak in the stand.
398	4125 - Black, N. Pin Oak	Sapling Poor	19.0	18	Immature	The stand is fairly open. The crown closure is just over 25%. The density is variable going from non-stocked to fully-stocked.
399	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	18.1	54	51-80	The terrain is hummocky and mostly uplands. There is a vernal pond in the south 1/3 of the stand. There are a number of wet depressions in the north end. Hold the stand for 10 years then harvest.
400	4311 - Pine, Aspen Mix	Sapling Poor	13.3	13	Immature	The trees are a patchy mosaic. The white pine that is open grown is heavily weevilled. The jack pine is moderately galled. There is some oak seeding in. It is not established and there are significant open areas.
401	4130 - Aspen	Sapling Medium	33.9	7	Immature	The stand was harvested in 2011 under sale First RX Mix, sale #73-027-08-01. The sale was a clearcut retaining pine and oak < 4" DBH. There is some blow down in the retention pockets. The aspen cover is thickest in the south half of the stand.
402	6113 - Lowland Maple	Sawtimber Well	12.3	105	1-50	The stand is on the flood plain of a creek that drains into the Molasses River. There are some extra-large sawlog trees. This stand should be left to maintain a buffer on the creek for wildlife habitat and for age diversity.
405	6112 - Lowland Aspen	Poletimber Well	6.4	28	1-50	The stand is on a slight ridge which is only slightly higher than stand 387. The terrain is hummocky. The crown closure is low, especially along the edges.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
406	6113 - Lowland Maple	Poletimber Poor	9.5	40	51-80	The terrain is hummocky. The central portion is wet, and it is mainly tag alder with scattered maple. The ash that was in the stand is dead and coming down. The loss of the ash has lowered the crown closure to around 35%. There are slight upland islands in the stand, but they are isolated. Most of the maple in the canopy is around 40 years old. However, there are sawlogs, saplings, and seedlings in the stand.
407	4130 - Aspen	Sapling Well	13.7	26	1-50	The terrain is hummocky. The crown closure is closer to 75%. There are some openings in the stand. Wet areas have sparse aspen, mostly toward the west end of the stand. In addition, there is an intermittent drainage in the west 1/3 of the stand.
408	6113 - Lowland Maple	Poletimber Medium	21.6	91	51-80	The terrain is hummocky and there is a lot of blow down. The ash is dead and makes up most of what is on the ground. There are some uplands along the south edge and on small islands. The aspen is declining, and it is being replaced by sapling red maple.
410	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	11.8	28	1-50	The stand is about 60% lowlands. There are some upland areas, but they are in pockets.
411	4125 - Black, N. Pin Oak	Poletimber Poor	6.0	66	1-50	The stand is on a ridge. The understory is sparse. However, it thickens toward the north end.
412	4130 - Aspen	Sapling Well	12.0	28	1-50	The terrain is hummocky. It is about 75% uplands. There are some areas that are low and wet where the crown closure is less than 75%.
413	42110 - Planted Red Pine	Poletimber Well	15.0	50	171-200	The stand does not have any understory at the current time.
414	4130 - Aspen	Sapling Medium	24.3	26	1-50	The terrain is hummocky. The stand is about 55% uplands. The low areas are heavy to maple and birch. There are wet areas with sparse aspen, mostly toward the west end of the stand.
415	6113 - Lowland Maple	Sawtimber Poor	12.7	77	1-50	The stand has uplands next to the road and in a couple of areas next to stand 413 and 412. The ash that was in the stand is dead and coming down. Overall, the stand is hummocky and too wet to harvest.
417	4131 - Aspen, Oak	Poletimber Well	33.0	33		The stand has a drainage running through it and parts of it (around 2 acres) are low land shrubs. The oak in the stand is more common along the east side. There is some beaver activity along stand 402 and 423.
418	42110 - Planted Red Pine	Poletimber Well	6.8	59	171-200	The average BA for the stand is 195 sq. ft. There is very little understory in the stand. The site index is around 60.
419	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	5.5	105	81-110	The stand has a slope along the west edge that has white pine, cedar and some hemlock. The ground is very wet. There is a drainage that flows through the stand and goes into the Molasses River. So overall the stand is too wet to harvest, and it should be held for BMP considerations for the Molasses River.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
421	4131 - Aspen, Oak	Sapling Well	24.7	27	51-80	The far western edge goes into a creek bottom that flows into the Molasses River. Overall, the stand is doing well but there is some beaver activity along stands 402 and 423. Because of this the western edge has more oak than aspen and there are some significant crown openings.
422	4131 - Aspen, Oak	Sawtimber Medium	7.5	105	81-110	The stand was left as a buffer along 2 creeks that drain into the Molasses River. Much of the stand is on the steep slope that goes down to the creek flood plains. The aspen is declining and starting to come down. The crown closure is now around 60%.
424	4131 - Aspen, Oak	Sapling Well	22.4	19	Immature	The stand is about 90% uplands. There are residual oak poles. The crown closure is closer to 75%. The stand was harvested in 1998 as a clear-cut retaining oak less than 4 inches in diameter.
425	6112 - Lowland Aspen	Sapling Well	27.2	19	Immature	Much of the stand is wet but the ground cover indicates that it dries out in late summer. There are areas of lowland shrubs.
426	4131 - Aspen, Oak	Poletimber Medium	5.2	26	1-50	The stand was part of stand 353 that was harvested in 1988. When it was harvested they left some residual oak, maple, and aspen for visual. The residual has impacted the regeneration of the aspen when compared to the parent stand.
428	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	26.9	89	51-80	This stand is the flood plain of the Molasses River. The flood plain is bordered by steep banks, which are tiered. The aspen in the stand is way over mature and is now dying and coming down. Most of the ash is dead which has lowered the crown closure. What ash is alive are trees < 3" DBH.
429	6112 - Lowland Aspen	Sapling Well	12.5	24	Immature	This stand is quite wet. There are several intermittent springs in the stand. It appears that when the stand was harvested it was heavily rutted. In the areas of heavy rutting the stand is heavy to lowland shrubs with scattered maple and aspen. It is starting to transition into poles.
430	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	4.8	16	Immature	This stand is on a ridge along its north edge that goes down slope to the south. The ridge is more of a medium stocking of oak and white pine. The low areas are less dense being poorly stocked white pine, maple and oak.
431	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	28.1	33	1-50	When the stand was harvested in the 80s the white pines were retained. Most of the white pine is saplings and poles but there is a pocket of sawlog white pine present. The stand is mainly uplands but there are inclusions of low wet ground.
433	4310 - Pine, Oak Mix	Sapling Well	37.4	24	51-80	The stand had the overstory removed down to 4 inches DBH in 2001. The regeneration is the feature cover type. Much of the regeneration in the stand is from oak stump sprouts and residual white pine and oak. The residual white pines are experiencing some weevil attacks, but it is not extensive. It is more pronounced on the pine that is more open grown and not were the white pine is in the understory. The stand will have both white pine and oak poles present in 10 years.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
434	6120 - Lowland Cedar	Sawtimber Medium	17.5	180	51-80	The stand is kept wet by numerous intermittent springs. The ash in the stand is dead and coming down along with a significant amount of wind throw in the other species. This has led to the floor of the stand having trees being jack strawed all over.
435	6112 - Lowland Aspen	Sapling Well	12.7	24	51-80	The stand was harvest and cut up to the river. It has been damaged by beaver, but it is only close to the river. This area of beaver activity is too small to make it a separate stand. The main species in the stand is a mixture of trembling aspen, red maple, and oak. There are several intermittent springs flowing through the stand. The soil under the stand is Evart-Winterfield. There is a trace of live ash and the terrain is hummocky.
440	4131 - Aspen, Oak	Poletimber Well	26.6	35	81-110	The stand is a mixture of trembling aspen, bigtooth aspen, oak, maples, and pines. When the stand was harvested, some of the overstory oak was left. The stand is heavy to hybrid oak but there are some white oaks as well.
441	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	9.3	35	51-80	The stand is low and wet. The stem density increases from north to south. Overall, the stand is moderately dense swamp hardwoods over tag alder and Michigan holly. The north 2/3 is heavy to maple and the south 1/3 is heavy to quaking aspen. The stand also has some live sap/pole ash in it that has not been hit by EAB. The terrain is hummocky.
442	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	13.9	122	81-110	The stand is kept wet by numerous intermittent springs. Some of them are currently flowing. The stand has a lot of wind thrown trees making the stand difficult to navigate.
443	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	14.8	89	81-110	This stand is the flood plain of the Molasses River. The flood plain is bordered by steep banks, which are tiered. The aspen in the stand is way over mature. In addition, along the river there are several areas of alluvial shrubs. There is also a lot of blow down. Overall the stand is too wet to harvest.
445	6112 - Lowland Aspen	Sapling Well	6.2	34	Immature	The stand is wet and is on the flood plain of the Molasses River. There is a creek flowing through it.
447	4133 - Aspen, Mixed Pine	Sapling Medium	36.2	16	Immature	This stand was harvested in 2001 as a 2-inch spec clear cut. The stand has regenerated to a mixture of aspen and oak. There are areas that are quite sparse and other areas that are quite dense. In addition, there are two drainages in the stand.
451	4199 - Other Mixed Upland Deciduous	Sapling Poor	30.4	5	Immature	The stand has regenerated naturally to mainly oak and red maple. The stump sprout oak and maple are > 4' tall and is established. In addition, there is a lot of single stem oak between the stump sprouts. However, these trees are < 4' tall so they are not established. There are also some pockets of aspen which are mainly on the west side of the stand. The white pine was retained when it was harvested. The terrain is hummocky but dry.
454	4131 - Aspen, Oak	Sapling Medium	13.7	25	1-50	The stand was harvested but the regeneration is patchy. There are areas of thick regeneration and areas that came back as tag alder. The stand has several swales in it. The terrain is hummocky. Some of the overstory was left and there is an area of mature oak at the east end of the stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
455	4125 - Black, N. Pin Oak	Sapling Well	30.1	17	Immature	The stand was harvested as a 4" spec clear cut. It has regenerated fairly well. The north edge is moderately to poorly stocked, and the south edge is moderately to well stocked. Overall, the stand has a moderate stocking of trees. The residual oaks and pines are transitioning to poles. The crown closure is closer to 75%. The north end is sparse having around 60% crown closure. The south end has closer to 100% crown closure.
456	4199 - Other Mixed Upland Deciduous	Sapling Poor	24.5	5	Immature	The stand was clear cut retaining oak less than 4 inches DBH. In addition, a ½ chain buffer was retained around the maintained wildlife openings. The density goes from moderately stocked to well stocked going from southwest to northeast. The species also grades from oak, maple, and pine at the southwest end to aspen, oak, maple, and pine at the northeast end.
458	6121 - Tamarack	Poletimber Medium	3.7	83	51-80	The stand goes from very wet to dry. However, it is a wet tamarack stand in general.
459	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	11.9	3	Immature	The terrain is hummocky. The stand was planted in 2015 under FTP C73-937. The regeneration was checked in 2016. Currently there are 856 stems/acre of red pine, 489 stems/acre of oak, 67 stems/acre of jack pine, 167 stems/acre of aspen, totaling 1579 stems/acre of desirable species. In addition, there is 122 stems/acre of choke cherry. There is a drainage along the northwest edge of the stand. Much of the planted red pine is free to grow.
461	4311 - Pine, Aspen Mix	Sapling Poor	5.4	3	Immature	The stand was harvested as a clearcut retaining some oak and black cherry for mast. The stand was interplanted in the spring of 2015 under FTP C73-937. The regeneration was checked in the spring of 2016. The stand has 750 stems/acre of red pine, 125 stems/acre of oak, 25 stems/acre of jack pine, totaling 895 stems/acre of desirable species. There is 50 stems/acre of choke cherry and 650 of maple totaling 700 stems/acre of undesirable. Much of the planted red pine is free to grow. The aspen is in clones and they are located on the E side.
462	4133 - Aspen, Mixed Pine	Sapling Poor	8.3	19	Immature	This stand was created by a wildfire that occurred in 1999 that killed parts of the stand. The ground cover is mainly poverty grass and sweet fern. There are some scattered cherry and the south edge has some red pine. In addition, a drainage flows through the stand that is heavy to trembling aspen, maple, and paper birch east and tag alder west. This drainage gets deeper going from west to east and forms a well-defined ravine as it goes into the Molasses River Flood Plain.
464	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	10.1	3	Immature	The stand was clearcut then planted. The planting was done in the spring of 2015 under FTP C73-937. The regeneration was checked in the spring of 2016. Currently there are 778 stems/acre of red pine, 211 stems/acre of oak totaling 989 stems/acre of desirable species. There is 389 stems/acre of choke cherry and 33 stems/acre of maple totaling 422 stems/acre of undesirable species. Much of the red pine is free to grow in the middle of the stand. The stand is heavy to oak, aspen, and cherry along the road and along the east side.
465	4131 - Aspen, Oak	Sapling Medium	11.8	5	Immature	The stand was harvested as a clearcut. It has regenerated naturally to a mixture of aspen, oak, and red maple. Also, there is a low density of jack and red pine in the stand.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	6229 - Mixed lowland shrub	15.0	No	The ash in the stand is dead and the aspen is declining. This has lowered the crown closure to below 25%. What trees are alive in the stand are on the dryer ground. Maple is now the major species in the stand and it is log to extra-large log in size. There is some regeneration of maple and birch but much of the understory is tag alder.
7	6229 - Mixed lowland shrub	21.3	No	The ash in the stand is dead and the maple that is left is on a couple of higher knobs. Overall, the crown closure is now below 25% and it is mainly alder and willow.
10	6229 - Mixed lowland shrub	16.1	No	The stand is mainly tag alder and willow. There are some scattered pockets of trees, but the crown closure is less than 25%.
18	629 - Mixed non-forested wetland	428.5	No	The stand is a mixture of marsh, lowland shrubs, water, and islands of trees.
20	629 - Mixed non-forested wetland	7.8	No	The stand is an ash stand that has died out. Most of the dead ash is now on the ground. The stand is converting to a non-forested wetland. Some scattered red maple is still alive. However, the current crown closure is < 15%.
25	6229 - Mixed lowland shrub	6.7	No	The stand is in a depression. There are some areas of uplands, but they are small. The east end is very wet.
26	3301 - Low Density Deciduous Tree	6.0	No	The stand is seeding in with tamarack and jack pine. In 10 years the stand may have a crown closure greater than 25%. Currently it is around 15%.
30	330 - Low-Density Trees	4.7	No	The stand is a ridge with a lot of white pine stumps. The birch is declining. The stand is seeding in with some oak, tamarack, and white pine.
32	629 - Mixed non-forested wetland	17.0	No	This area is a mixture of lowland shrubs and marshes. It has had a lot of beaver activity in the past but not much at the current time. The dam is still holding back some water, but it is significantly less than the last inventory cycle. Currently the stand is more of an L-Type than an N-Type. The lowland shrubs are a mixture of tag alder and willow.
33	6229 - Mixed lowland shrub	2.4	No	The stand is a lowland shrub type that drains into stand 332.
40	6229 - Mixed lowland shrub	10.4	No	The stand is mainly lowland shrubs. It has scattered tamarack, birch and red maple.
42	6229 - Mixed lowland shrub	3.8	No	The ash in the stand is dead. Overall, the stand is tag alder and Michigan holly over marsh grass.
46	6229 - Mixed lowland shrub	37.8	No	This stand is a lowland shrub type with scattered trees on islands. The islands are heavy to maple, tamarack, and jack pine. The stand is a little drier at the northwest end
47	6225 - Bog	6.7	No	The stand is leather leaf with areas of jack pine, scattered tamarack and stunted aspen.



Stand	Cover Type	Acres	Managed Site	General Comments:
48	6229 - Mixed lowland shrub	20.8	No	The stand was a leather leaf bog with some dryer areas at the north end and along stand 49. It is in a depression. It was clearcut using a shortwood spec to leave tops for seed. There is some seeding in of jack pine, stump sprout oak; and a couple of aspen clones. The terrain is hummocky.
62	6229 - Mixed lowland shrub	60.0	No	The stand is very wet and heavy to lowland shrubs. There are areas of trees on the dryer ground. The ash that was in the stand is now dead. This mortality has converted the stand from poorly stocked lowland deciduous to lowland shrub.
78	622 - Lowland Shrub	13.1	No	The stand is heavy to brush 5-10 feet tall that is made up of tag alder, willow and Michigan holly. There are some scattered trees. Most of them are dead ash. However, there are some red maple and tamarack.
80	330 - Low-Density Trees	1.9	No	This stand is an opening that has scattered oak and cherry in it. The ground cover is a mix of grass, spotted knapweed, bracken fern, and sweet fern.
85	6229 - Mixed lowland shrub	19.2	No	This stand is next to the Molasses River and it is on the lower flood plain. The stand is mainly tag alder, Michigan holly, willow, and grasses. The soil association is Evert-Winterfield.
87	310 - Herbaceous Openland	8.6	No	The stand has scattered cherry with the ground cover is a mix of spotted knapweed, grass, blueberry, and sweet fern. The old ORV trail goes through the stand and is still being used by ORV and vehicles to access the state land. ORV are going around the guard rail at the south end of the stand.
98	6229 - Mixed lowland shrub	2.1	No	The stand is very hummocky. The ground cover is a mix of leather leave, willow, and alder. There are scattered trees, but they have a crown closure of < 15%.
103	6229 - Mixed lowland shrub	104.1	No	The stand is a uniform lowland shrub type. There are some scattered trees.
107	6229 - Mixed lowland shrub	5.0	No	The stand is a mix of lowland shrubs. The shrubs are alder, leather leaf, michigan holly, and scattered quaking aspen.
109	629 - Mixed non-forested wetland	9.6	No	The stand is non-forested from past beaver activity which flooded out a portion of stands 9 and 12. It is still wet.
113	6229 - Mixed lowland shrub	6.7	No	This stand is a depression and it is heavy to dogwood, tag alder, and Michigan holly.
118	6229 - Mixed lowland shrub	2.9	No	The stand is mainly lowland shrubs with some scattered trees.
119	6220 - Alder/willow	6.1	No	This stand is a depression that is heavy to lowland shrubs.
120	3301 - Low Density Deciduous Tree	3.1	No	The stand is a mixture of uplands and lowlands with the uplands being the majority.



Stand	Cover Type	Acres	Managed Site	General Comments:
121	6229 - Mixed lowland shrub	11.9	No	This stand is the wetter portion of stand 117. The ash that was present has now died off. The stand is now non-forested. There are some scattered maple and birch trees in the stand.
123	6225 - Bog	13.2	No	The stand is mainly leather leaf with scattered tamarack, white pine, and aspen.
129	6224 - Treed Bog	5.4	No	The stand is mainly leather leaf with some scattered conifers.
132	6229 - Mixed lowland shrub	27.7	No	The stand is mainly tag alder and willow. The central portion of the stand is marsh grass with some scattered lowland shrubs.
137	6225 - Bog	9.7	No	The stand is a leather leaf bog with scattered aspen in it.
140	2113 - Forage Crops	7.1	Yes	The stand is a maintained wildlife opening. It is planted to a wildlife cover crop (rye).
141	3303 - Mixed Low Density Trees	5.0	No	The stand has scattered oak, maple, aspen, and jack pine. The soils are Au Gres-Kinross association, which is somewhat poorly drained. The stand is seeding in with jack pine from stand 47.
144	622 - Lowland Shrub	1.4	No	This stand is a swale between two ridges.
148	6229 - Mixed lowland shrub	5.2	No	The stand was clear cut in 2012. It is filling in with jack pine and tamarack. However, it appears to be sparse at the current time. There are some scattered oaks as well. The terrain is hummocky.
153	6229 - Mixed lowland shrub	6.4	No	This stand is part of a drainage. It is heavy to tag alder, willow and leather leaf.
154	6224 - Treed Bog	4.0	No	This stand is mainly a leather leaf/blueberry bog with sapling tamarack. The trees are in pockets and most are on the slightly higher ground.
155	629 - Mixed non-forested wetland	10.0	No	This is a mix non-forested wetland. The wetlands drain to the west.
158	6229 - Mixed lowland shrub	2.7	No	This stand is a depression that is a mixture of leather leaf and lowland shrubs. The edges of the stand are treed.
161	6229 - Mixed lowland shrub	3.0	No	The stand is heavy to leather leaf. There are scattered maple, white pine, quaking aspen and tamarack. The north end is dryer.
162	6220 - Alder/willow	1.6	No	The stand is a depression that has scattered trees in it. The crown closure is between 15-25%. When a red maple was cored it was 30 years old.
167	3301 - Low Density Deciduous Tree	13.5		The stand was harvested as a clear cut with reserves in October 2016, in the sale Possum Pass, sale #73-012-12-01.



Stand	Cover Type	Acres	Managed Site	General Comments:
168	6224 - Treed Bog	2.7	No	The stand is mainly a treed bog of blueberry and leather leaf mixed with alder and willow. The trees in the bog are tamarack, white pine, and quaking aspen.
172	6229 - Mixed lowland shrub	13.6	No	The stand was a beaver flooding, but the dam is no longer holding water. Currently it is mainly lowland shrubs. The portion of the stand that was coded as a marsh is starting to fill in with shrubs.
177	629 - Mixed non-forested wetland	26.0	No	The stand has tag alder and willow around the edges. The center is a mixture of lowland shrubs and marsh grass.
178	3301 - Low Density Deciduous Tree	21.9	No	The west end has good tamarack regeneration. Most of it is between 5 and 20 feet tall. The east side has some large openings that could be trenched and planted to red pine.
179	622 - Lowland Shrub	5.2	No	This stand is a depression that is heavy to tag alder. There are some maples in the stand, but they are scattered.
182	6224 - Treed Bog	3.4	No	The stand is treed with stunted aspen. There is also scattered white pine and oak. The ground cover is mainly leatherleaf. The overall crown closure is approaching 25%.
185	6229 - Mixed lowland shrub	16.7	No	The stand is one of many drainages that flow through the compartment. Much of it was forested last YOE but the ash that made up the overstory has died out and it is now lowland shrubs.
192	3105 - Mixed Upland Herbaceous	37.7		The stand was harvested in the summer of 2016, Outback Mix, sale number 73-023-13-01. There are some stump sprouts, but they are heavily browsed. There is some seed source white pine, oak, and maple in the stand. Overall the regeneration is poor. The aspen in the stand did not sprout. The terrain is about 50-50 uplands to lowlands.
193	629 - Mixed non-forested wetland	157.7	No	The stand is large and it is a mixture of lowland shrubs and marsh grasses.
196	622 - Lowland Shrub	26.7	No	The stand is part of a large wetland complex. It is heavy to tag alder and willow but there are areas of marsh grass.
203	6225 - Bog	1.7	No	The stand is a leather leaf bog with scattered tamarack.
204	6229 - Mixed lowland shrub	9.7	No	The stand is very wet and the ash that made up most of the canopy is now dead. There are some scattered maples, but the crown closure is now below 25%.
206	6220 - Alder/willow	7.5	No	The stand was harvested in 2003 and has not regenerated well. The stand has some scattered maple and quaking aspen. Overall the stand is tag alder and willow.
208	6224 - Treed Bog	9.3	No	The tamarack and oak in the stand goes from seedling to poles. The bog appears to be one that dries out in late summer.



Stand	Cover Type	Acres	Managed Site	General Comments:
209	629 - Mixed non-forested wetland	5.6	No	The stand is a depression that holds water. However, it looks like it dries out in late summer.
213	6229 - Mixed lowland shrub	9.1	No	The stand is part of a drainage system. It is mainly lowland shrubs with areas of leather leaf along the south edge.
221	629 - Mixed non-forested wetland	2.2	No	This stand is a dryer lowland shrub type with areas of leather leaf. There are a couple of illegal trails in it that come off private land.
223	310 - Herbaceous Openland	5.7	No	The stand is sparse with a crown closure between 5 and 10%. There are some aspens filling in from the sides and oaks and tamaracks are starting to seed in. The terrain is hummocky.
224	6229 - Mixed lowland shrub	8.2	No	The southern leg of the stand is a drainage that flows to the south. The north leg is wet and has some tamarack and maple. The ground cover is heavier to leather leaf.
227	3303 - Mixed Low Density Trees	11.6	No	The terrain is hummocky. The stand is made up of uplands and lowlands which are about a 50-50 mix. The access trail used to harvest stand 222 and 226 is heavily rutted. The stand has oak, maple, and tamarack seeding in. The crown closure is around 15% and it is a mixture of trees ranging from sawlogs down to established seedlings.
229	122 - Road/Parking Lot	1.5	No	This is a large area that has been established for parking. The area also sees a lot of dumping of brush, leaves and household debris.
232	622 - Lowland Shrub	8.2	No	The stand is a depression that seems to dry out in late summer. It is wetter in the southern portion of the stand. There are some oak, tamarack, and maple seeding in.
235	6229 - Mixed lowland shrub	2.7	No	The stand sits at the base of a ridge in a depression. The depression is mainly tag alder and michigan holly. There are some scattered maple and birch. Any ash in the stand is now down on the ground.
239	629 - Mixed non-forested wetland	1.3	No	This stand is in a depression and it has standing water in it most of the year. The edges are heavy to tag alder and Michigan holly. The central portion of the stand is open.
244	6224 - Treed Bog	6.9	No	The stand was clear cut in 1985. The regeneration is poor and slow in coming back. The aspen, red maple, and oak seedlings and saplings are scattered throughout the stand, but heaviest along the perimeter. The stand is more of a treed bog.
245	6225 - Bog	21.9	No	There is an old plow line around the stand from a past Rx burn. There is a red pine ridge that goes through the center and along the east side of the stand. They appear to have been planted about 20 years ago. The bog has some red pine and oak seeding into it. However, the trees are scattered. The bog looks to be a dryer one, because there is a significant blueberry component.
251	6225 - Bog	12.7	No	The stand is a swale. It is heavy to leather leaf. There are some upland islands that are sparsely treed and some scattered trees in the bog.



Stand	Cover Type	Acres	Managed Site	General Comments:
252	6224 - Treed Bog	154.6	No	The stand was cut during the Deer Range Improvement Program in 1967. It is mainly lowland shrubs with islands of uplands. The uplands are heavy to oak and aspen and there is good oak and maple regeneration in pockets. The lowlands are variable going from tag alder to marsh grass to leather leaf. The aspen could be cut but the volume is too low to do so commercially.
257	6225 - Bog	31.5	No	The stand is mainly a leather leaf bog with areas of lowland shrubs. There are some scattered trees and islands of trees in the stand.
261	122 - Road/Parking Lot	5.6	No	The stand is the ROW for M-61 and Three River Road.
264	6224 - Treed Bog	3.8	No	The stand is mainly leather leaf with scattered quaking aspen.
268	6229 - Mixed lowland shrub	42.8	No	The stand is mainly lowland shrubs. The east side has some pockets of maple.
277	6220 - Alder/willow	12.5	No	The stand is mainly alder with scattered tamarack, red maple, birch and white pine. The crown closure is < 15%.
296	6229 - Mixed lowland shrub	15.0	No	The stand is mainly dead ash with an understory of lowland shrubs. There are two pockets that are slightly dryer. These areas have low density red maple.
298	6220 - Alder/willow	68.3	No	The stand is heavy to willow and tag alder with open areas of marsh grass. There are scattered pockets of trees on islands. These are heavy to tamarack and red maple seedlings.
299	310 - Herbaceous Openland	22.1	No	This area is a sparsely treed upland. There are some pockets of aspen and maple. However, much of the stand is open. There is a larger pocket of lowlands at the west end of the stand. The terrain is hummocky.
312	6229 - Mixed lowland shrub	7.2	No	The stand is heavy to tag alder and willow.
316	6229 - Mixed lowland shrub	32.9	No	The ash that made up most of the canopy is now gone. The crown closure is now around 15%. There is maple and birch in areas of the stand.
326	3301 - Low Density Deciduous Tree	7.6	No	The stand is mainly open with a couple of aspen clones in it. It was harvested in 2006 and has not regenerated well. What regeneration that is present is only 5-10 feet tall and there is some mortality in the clones.
341	3103 - Rubus-Fern	5.8	No	This is the portion of stand 339 that failed to regenerate. The regeneration that is in the stand is scattered.
344	310 - Herbaceous Openland	4.6	No	The stand has greater than 10% crown closure but less than 15%. It is an upland ridge. There are some oaks seeding into the stand. However, it is not extensive, and it is not tall enough to be called established



Stand	Cover Type	Acres	Managed Site	General Comments:
345	622 - Lowland Shrub	28.3	No	The stand is Michigan holly with scattered oak, aspen, and maple. The crown closure is less than 25%. However, it may become greater than 25% in the future. There are some areas in the stand that will not become forested.
346	629 - Mixed non-forested wetland	3.1	No	The stand is in a depression. There are some scattered trees mainly along the edges.
348	6225 - Bog	1.2	No	The ground cover is heavy to leather leaf.
371	6225 - Bog	1.6	No	The stand is leather leaf with scattered pines and aspen.
372	320 - Upland Shrub	7.6	No	The stand is a natural opening of sweet fern and bracken fern. There are XL oak with a couple of small pockets of aspen and other trees.
373	622 - Lowland Shrub	61.6	No	The stand is part of a large lowland shrub type. There are some scattered swamp hardwoods and an area of leather leaf.
378	6225 - Bog	18.5	No	Most of the stand is leather leaf. The north end is more lowland shrubs. There are some scattered quaking aspens and tamaracks.
380	622 - Lowland Shrub	4.3	No	The stand is a swale that is heavy to leather leaf and alder.
381	6220 - Alder/willow	1.6	No	This is a depression of mainly willow.
387	622 - Lowland Shrub	62.1	No	The stand is wet in the spring but it's only a little muddy in the fall. The edges are filling in with oaks, tamaracks, and maples. There are scattered dry knobs in the stand that are bracken fern and oak, especially in the southeastern 1/3 of the stand.
389	622 - Lowland Shrub	3.0	No	The stand is mainly leather leaf on the north side and willow and tag alder at the south end.
392	622 - Lowland Shrub	9.2	No	The stand is in a draw and is heavy to lowland shrubs. There is some maple and birch present, but it is scattered. The ash that was in the stand is now dead and coming down.
393	330 - Low-Density Trees	35.0	No	The stand is a mix of uplands and lowlands which is about a 50-50 mix. Currently, it is more of a low-density tree stand. The trees are in a patchy mosaic with a lot of open land between pockets of trees. There is oak regeneration, but it is not established.
396	6225 - Bog	5.8	No	This stand is a leather leaf bog.
409	330 - Low-Density Trees	4.2	No	The stand is mainly a sparsely treed ridge. The edges of the stand are wet.



Stand	Cover Type	Acres	Managed Site	General Comments:
423	6220 - Alder/willow	4.5	No	The stand is a series of beaver dams that are not holding water well. The trees in the area are dead or declining. Much of the stand is now non-forested wetlands.
437	6229 - Mixed lowland shrub	12.2	No	This area is a mixture of lowland shrubs and marshes. It has had a lot of past beaver activity but not much at the current time. The lowland shrubs are a mixture of tag alder and willow.
438	320 - Upland Shrub	5.1		The stand was harvested in 2011 and has started to regenerate. There is both red pine and oak seeding in.
452	6299 - Lowland Shrub (OI)	16.8	No	This stand is a lowland shrub drainage. It is a mixture of tag alder, willow, Michigan holly, and red osier dogwood.
457	310 - Herbaceous Openland	4.1	Yes	This is a maintained wildlife opening. It was seeded to clover in 2016. The stand however is now heavy to poverty grass, spotted knapweed, and mulleins.
463	310 - Herbaceous Openland	3.2	Yes	This is a maintained wildlife opening. It was seeded to clover in 2016. The stand however is now heavy to poverty grass, spotted knapweed, and mulleins with scattered oaks.
466	122 - Road/Parking Lot	5.0	No	M-61 and the cleared ROW