



# Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73048

Entry Year: 2028

Acreage: 3,986

County: Gladwin

Management Area: Gladwin Lake Plain

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**Stand Examiner:** Steve Nyhoff

**Legal Description:**

T19N R02E Section 2, 3, 10-15, 22-25

**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. The management of the compartment will focus on balancing the age class distribution of aspen. The planned harvests are mainly dealing with aspen and lowland aspen that is around rotation age. This lines up with wildlife habitat management objectives include perpetuating early successional communities for species adapted to young forests for hunting and other wildlife related recreation opportunities. Many of the swamp hardwood stands are factor limited because they are too wet, in the RMZ of the Molasses River, tributaries of the river, or are blocked by physical obstacles. There are 6 maintained wildlife openings in the compartment. The access to each is through one of the gates that are in the compartment. 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 main soils are moderate to well drained Grayling and Croswell, somewhat poorly drained AuGres, and poorly drained Roscommon and Evert-Winterfield. The drier soils are concentrated along Center Fireline Road and Sterling Truck Trail. The wetter soils are mostly in the southeastern 1/3 of the compartment. The terrain is generally flat except along the numerous rivers and intermittent creeks that flow through the compartment. These often have flood plains bordered by steep slopes.

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

The compartment is a contiguous block of State Land with no private in holdings. There is also State Land along the north, west and south sides. The private land is only along the east side. These lands are not developed, and they are mainly used as recreational properties.

**Unique Natural Features:**

The compartment has 2 MNFI hits. One is a bald eagle and the other is a red shoulder hawk. Both sites are in areas that have no proposed treatments.

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

There were no HAL hits in this compartment.

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

The Molasses River flows along the west side of the compartment and there are several tributaries in the compartment. The river and creeks have associated flood plains. Most of them are bordered by steep banks. No logging activities should be allowed in the RMZ of any of them.

**Wildlife Habitat Considerations:**

The compartment contains a variety of habitat types suitable for many wildlife species. It includes the Molasses River drainage and adjacent lowland complexes. These lowlands 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. Many bird species stand to benefit from the juxtaposition of lowland and upland habitats present in the compartment. These include common yellowthroat, yellow-rumped warbler, gray catbird, redbreasted vireo, white-throated sparrow, hermit thrush, red-breasted nuthatch, ruffed grouse, and American woodcock. The compartment is easily accessible to hunters via Secord Dam Road and Center Fireline Trail.

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

No known potential exists for commercial development of metallic minerals in this part of the state. No active sand/gravel operations are known to exist in the area, and potential for development of sand & gravel within the compartment may be limited due to the presence of a shallow water table and wetlands, which could inhibit surface mining. Active oil production is occurring from a well that was just permitted in 2024 approximately one mile east of the compartment, and adjacent State-owned mineral rights on the northeast side are currently under lease. Potential for additional oil & gas development cannot be confidently evaluated without access to proprietary industry data, but the lack of recent well permit activity in the compartment and records from limited past drilling within and immediately around the compartment suggest that potential is relatively low.

## **Vehicle Access:**

Access to the compartment is mainly off seasonal county roads, Center Fireline, East Fireline, and the Sterling Truck Trail. The interior of the compartment can be accessed by numerous two-tracks, most are in fair condition though some have some very bad holes in them.

## **Survey Needs:**

There is no need for a survey at this time. The northern portion of the compartment was surveyed when the LDFAA was done and there are several DNR corners along the east line of the compartment.

## **Recreational Facilities and Opportunities:**

The compartment has no established recreational facilities. However, the area is heavily used for dispersed camping and hunting.

## **Fire Protection:**

Center Fireline Truck Trail runs the length of the interior of the compartment, Sterling Truck Trail is the north boundary, and East Fireline Truck Trail is the south boundary. There are several forest two-tracks coming off these trails that reach much of the upland interior. Therefore, access is fair too much of the compartment. What is not accessible is generally wet. The overall fire danger is low to moderate

## **Additional Compartment Information:**

The decertified North Loop of the Gladwin ORV trail is on the west side of the compartment. Portions of it are still being used. They are not as heavy as they once were. Some of the trails are starting to grow in. There are parts of the trails that are still being used to reach traditional camping areas. The ash in the compartment is dead and on the ground. This has led to more canopy gaps and because of the wet soil has led to an increase in windthrow. In turn this has caused some of the wetter swamp hardwood openings to convert to lowland shrubs or to be replaced by tamarack, white pine, and red maple.

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

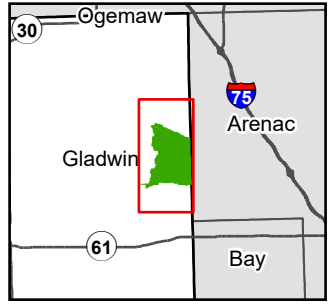
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

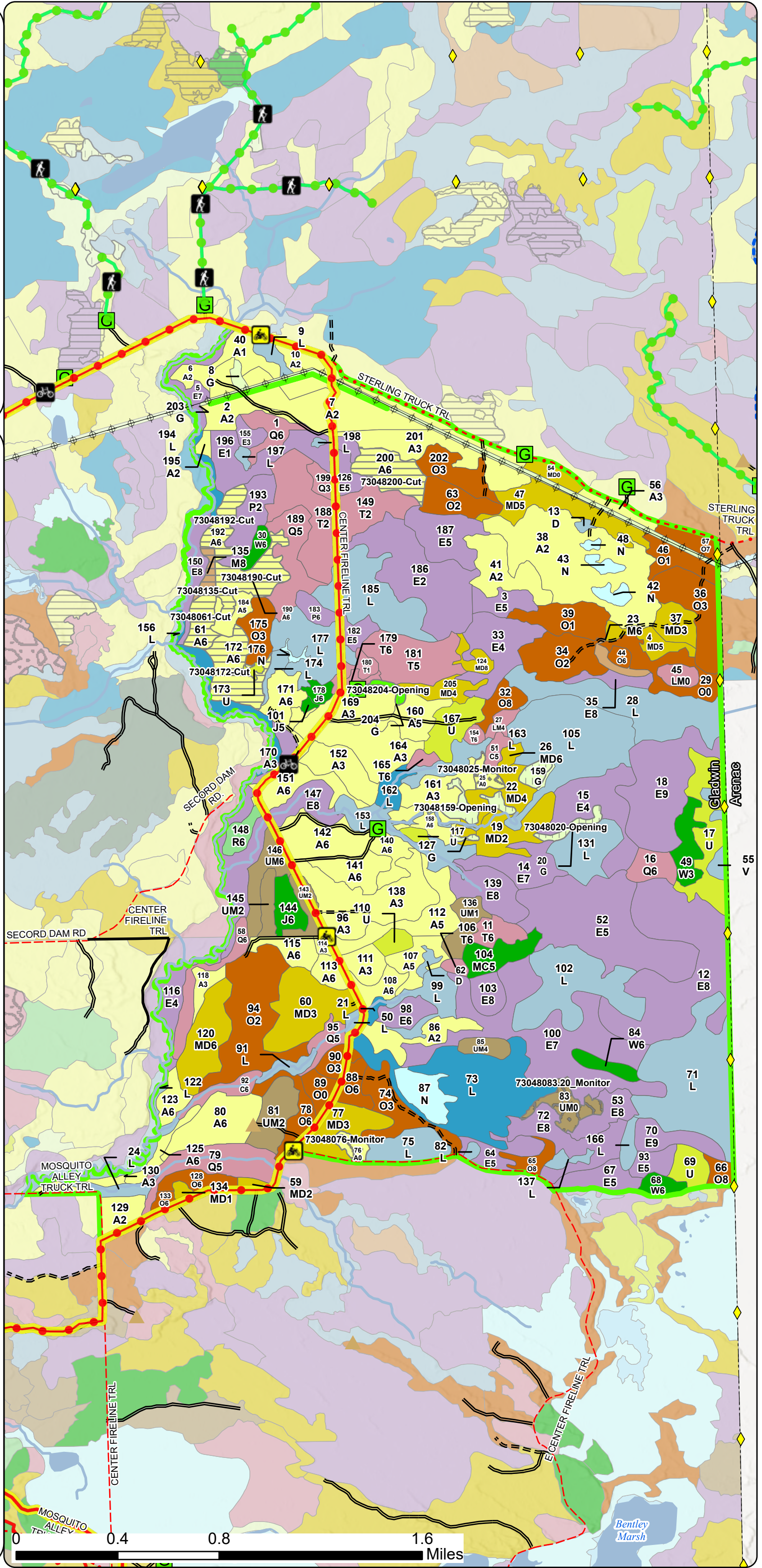
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

### Cover Type & Treatments Map

Compartment: 73048  
 T19N - R02E Sec. 2,3,10-15,22-25  
 County: Gladwin  
 Unit: Gladwin  
 Mgmt. Area: Gladwin Lake Plain  
 YOE: 2028  
 Acres: 3,986.45 GIS Calculated  
 Examiner: Steve Nyhoff  
 Date Exported: 05/20/2026  
 Map Phase: Web Post

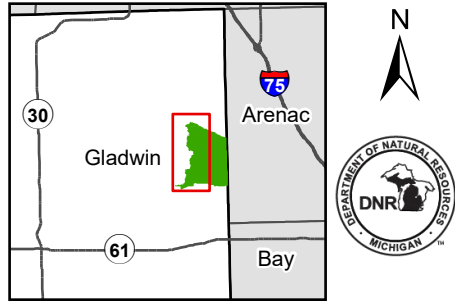


- Survey Grade Corners
- Berm
- Gate
- Designated Hunter Walking Trails
- Designated MCCCT Trails
- Designated ATV Trails
- Designated Motorcycle Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
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- Treatments with Site Conditions
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- 411 - Northern Hardwood
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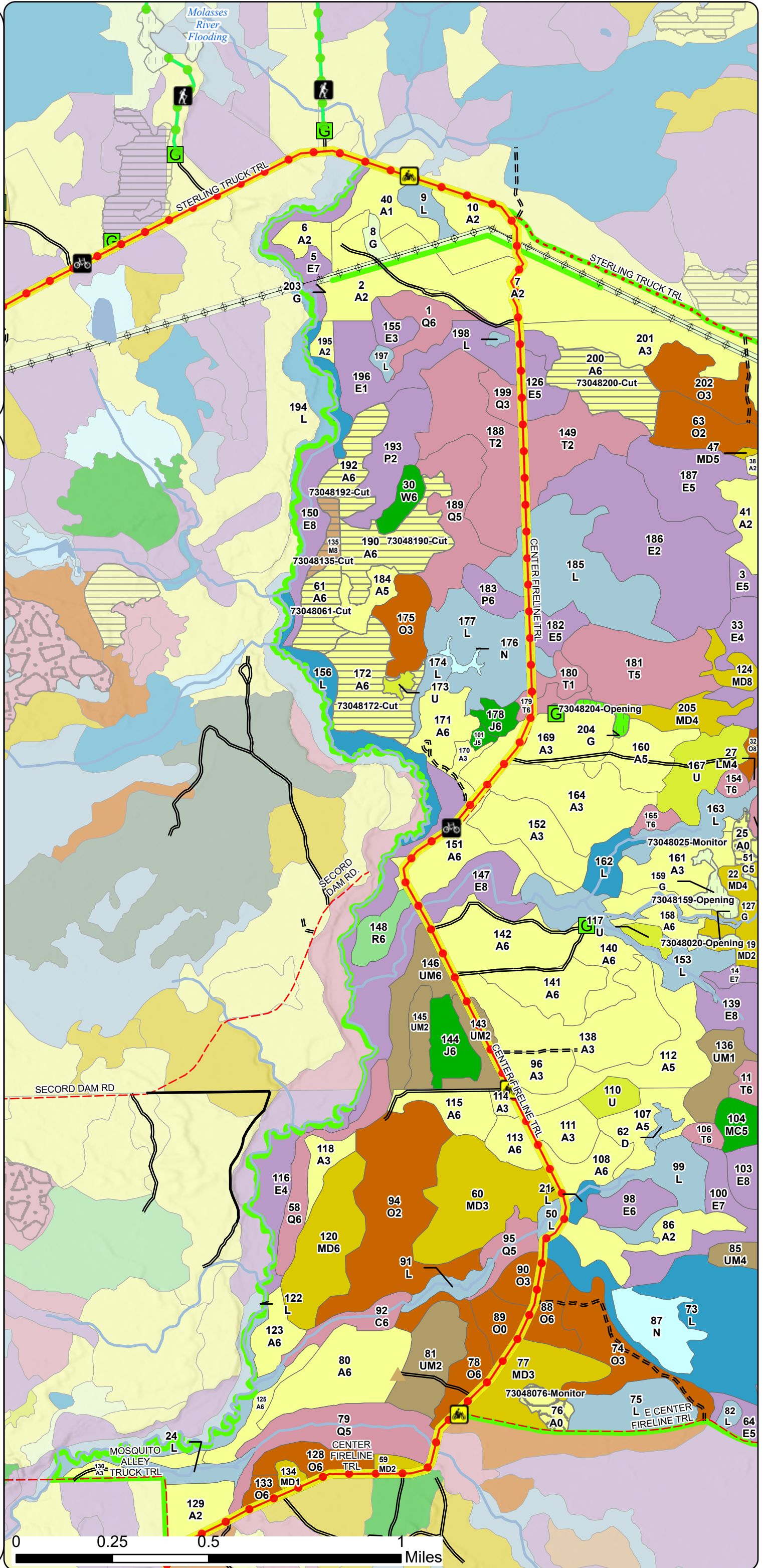


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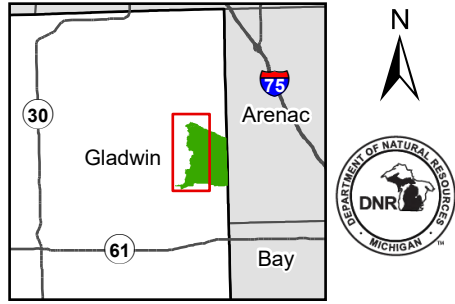


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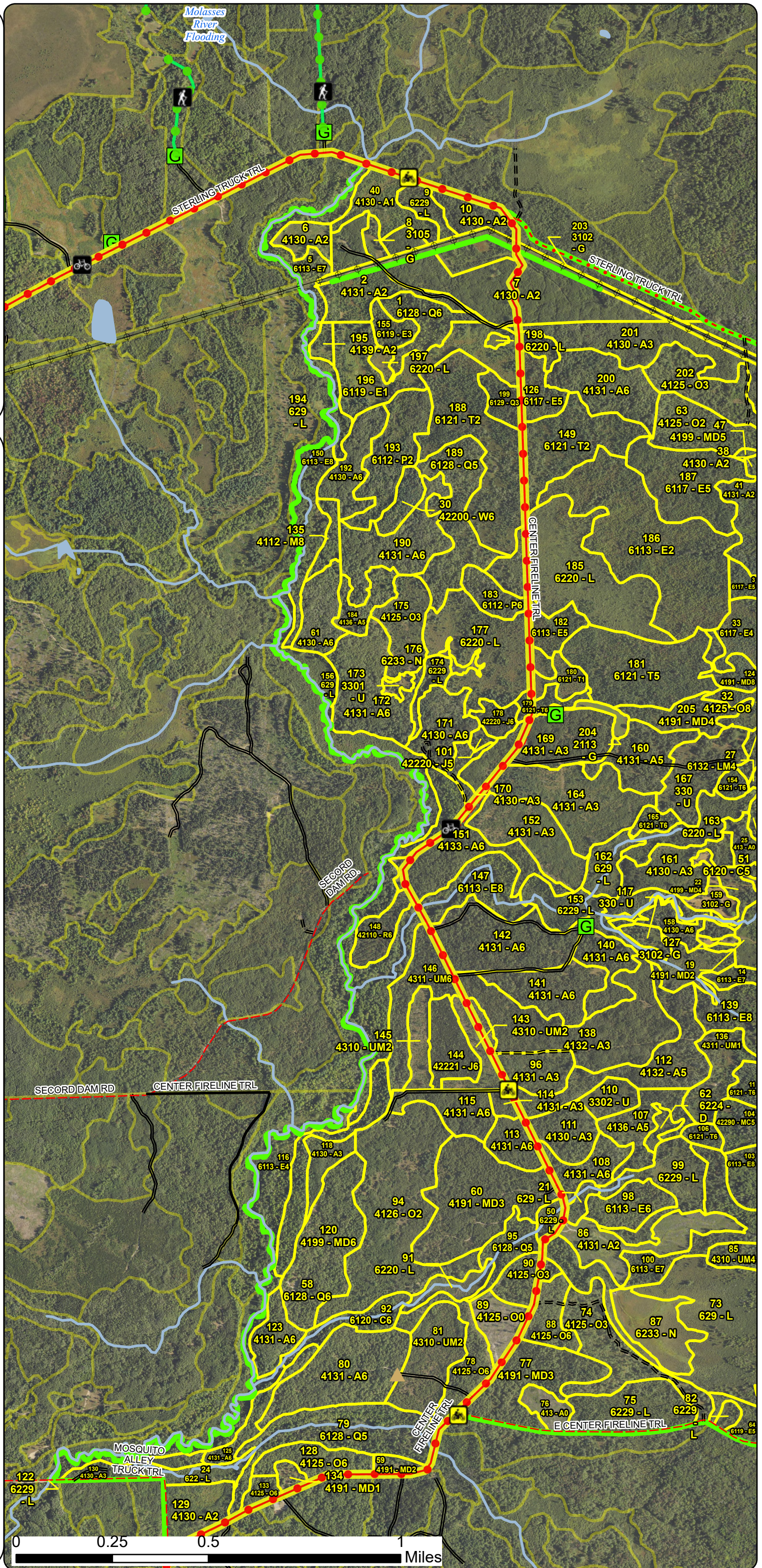


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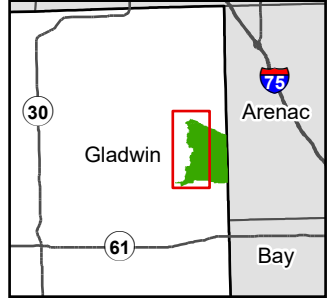


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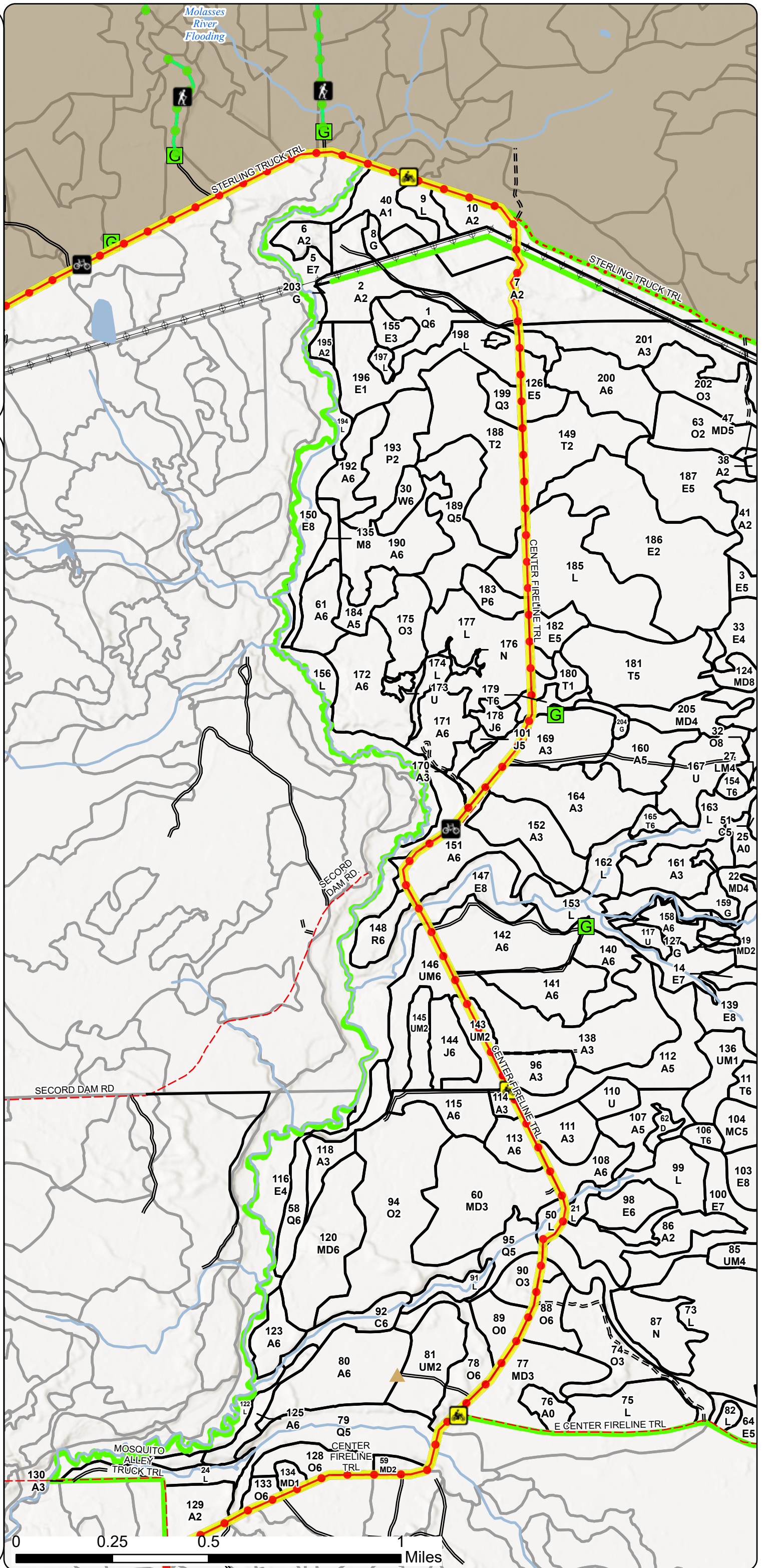


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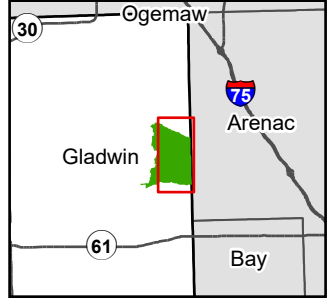


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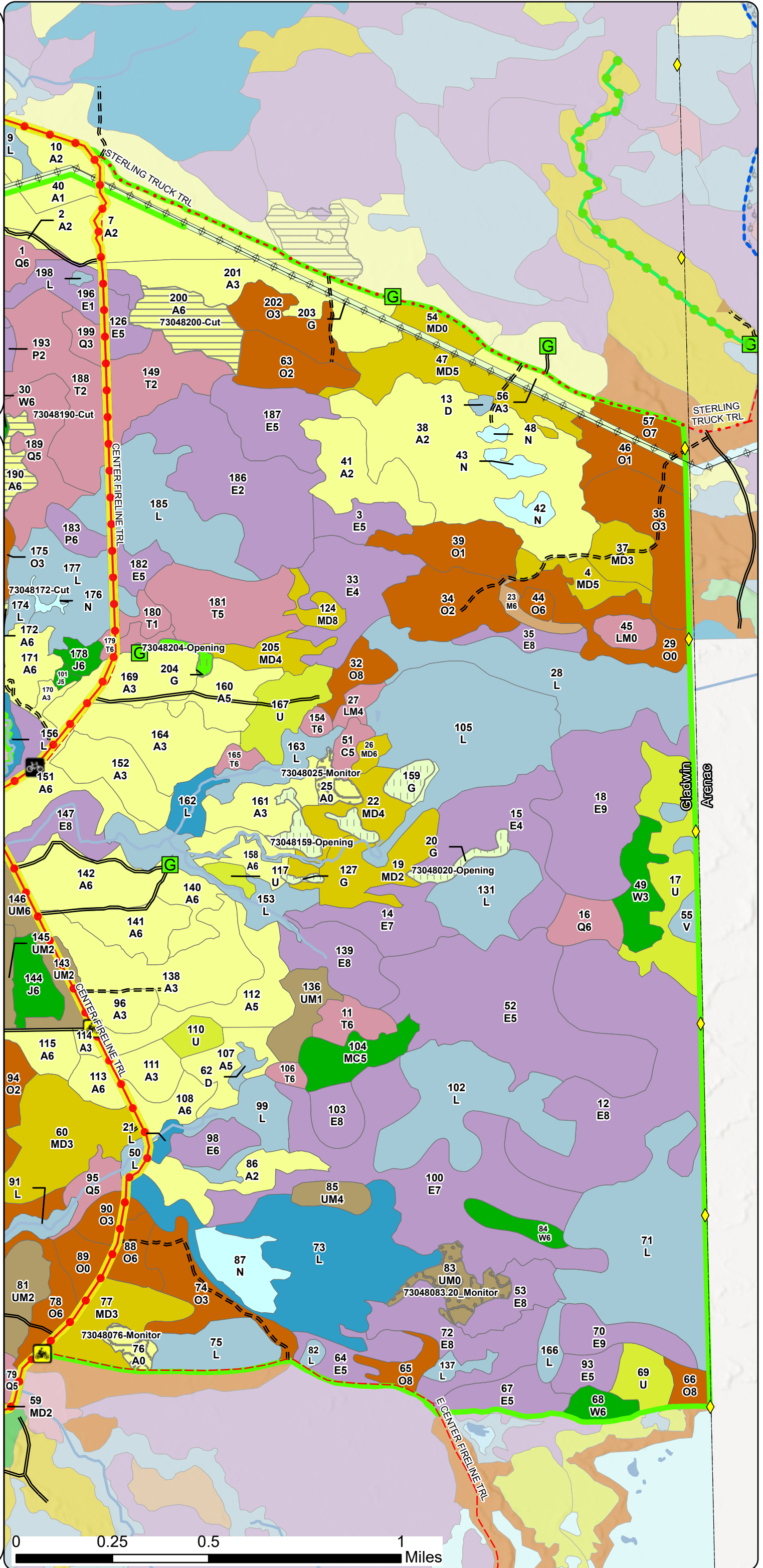


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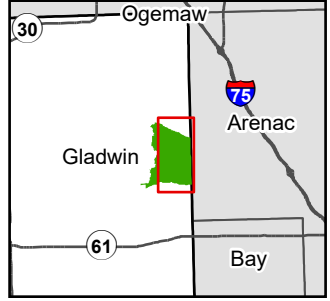


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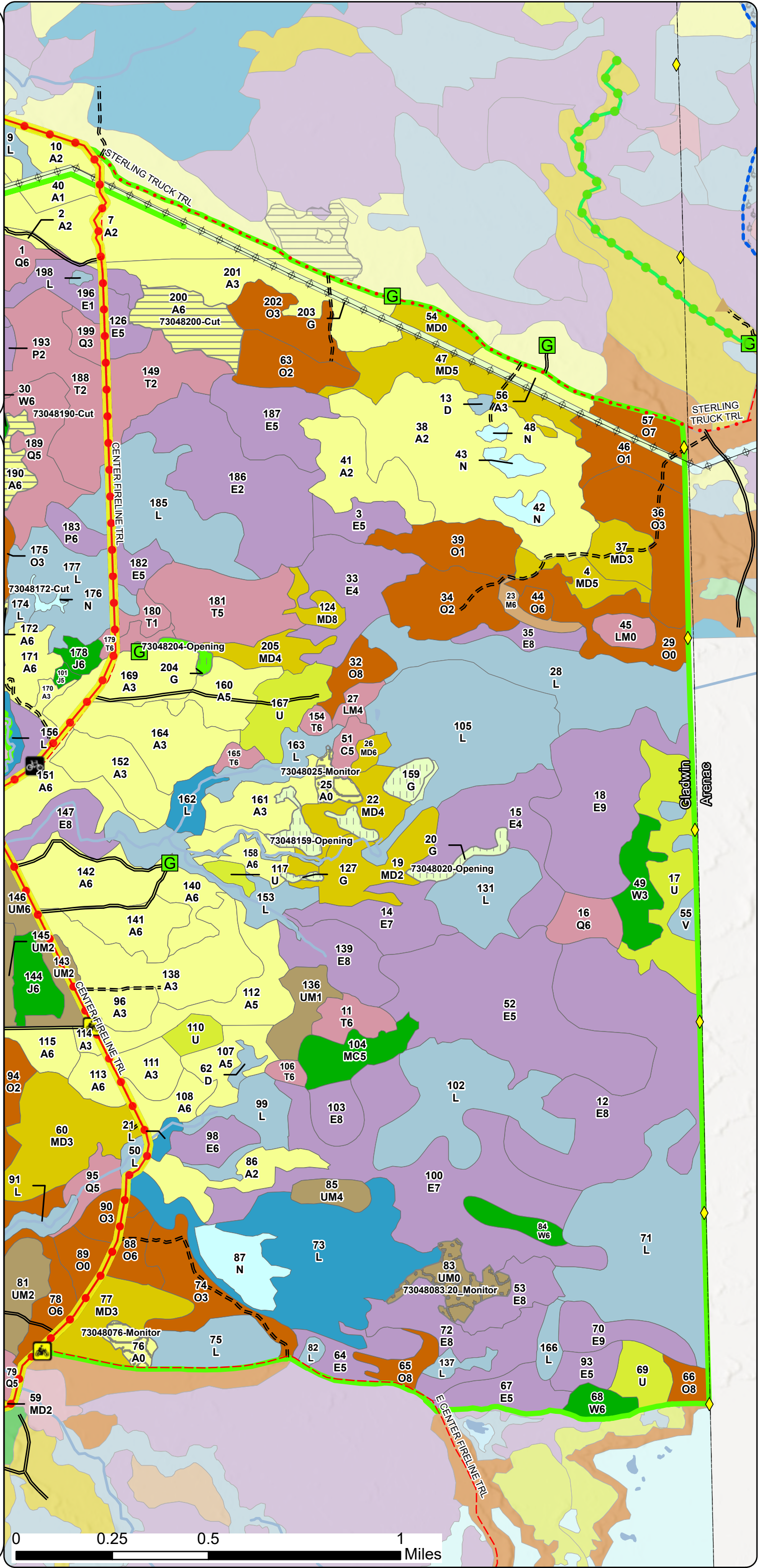


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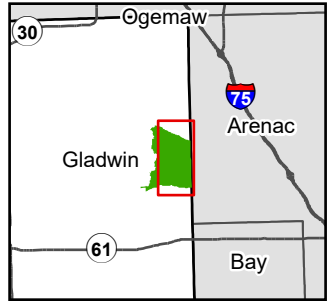


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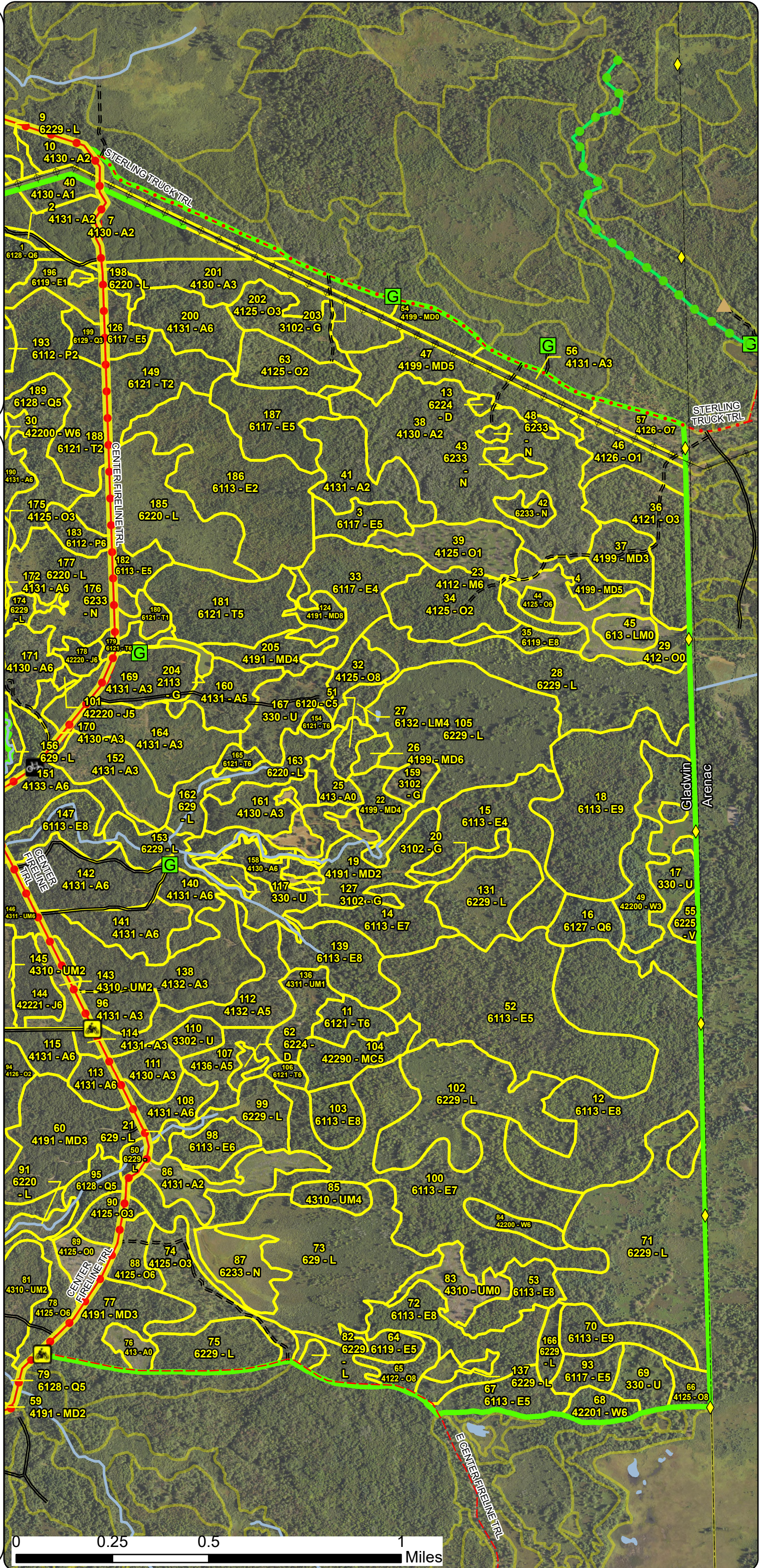


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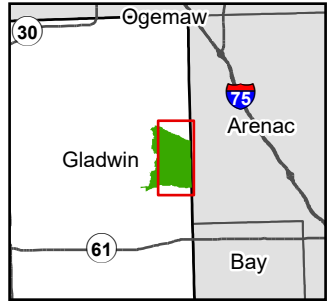


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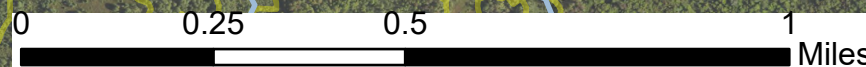
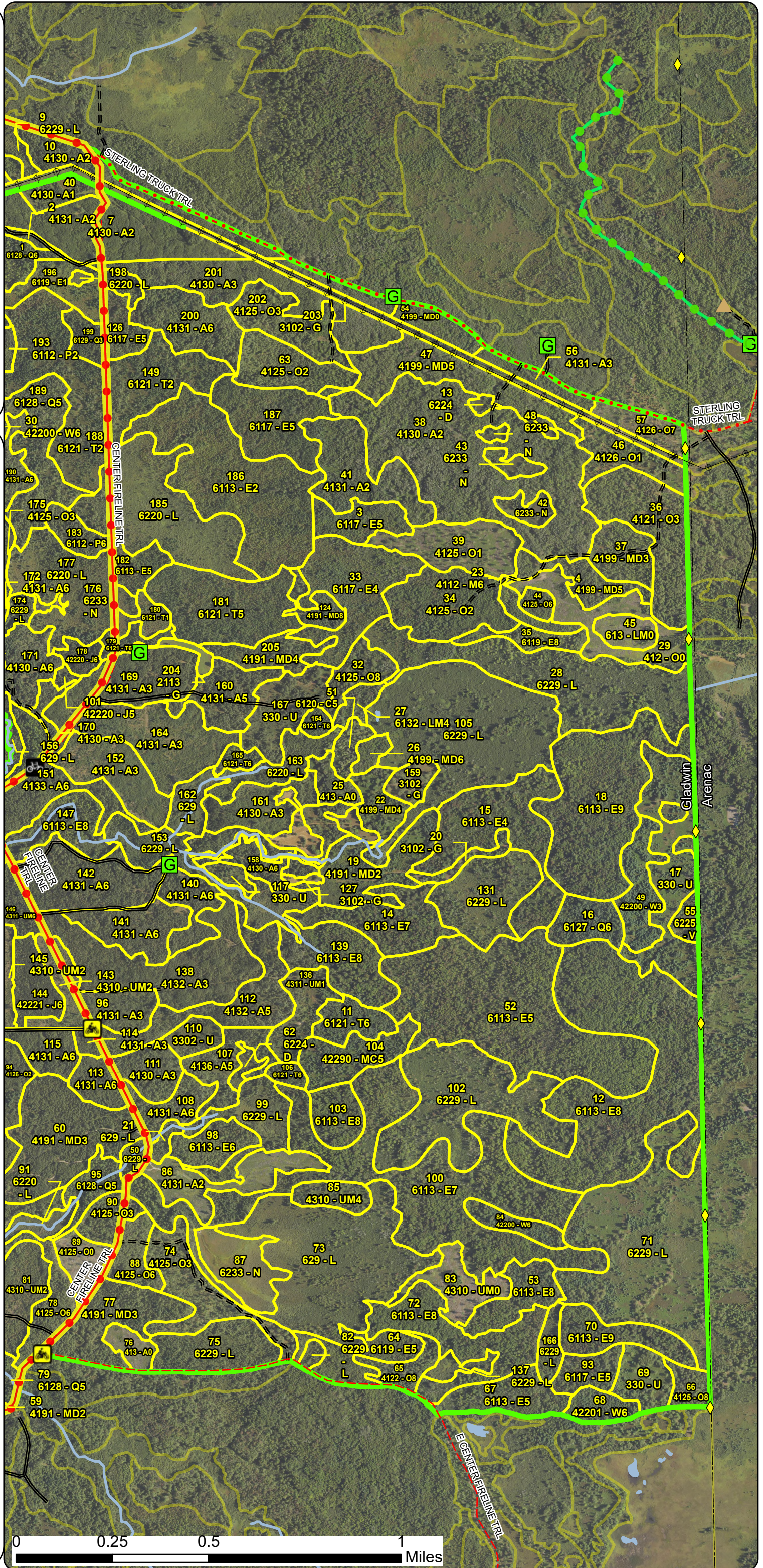


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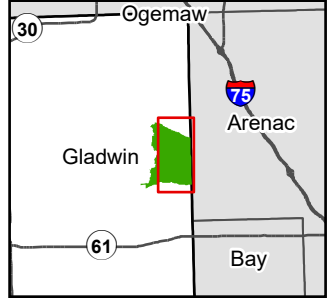


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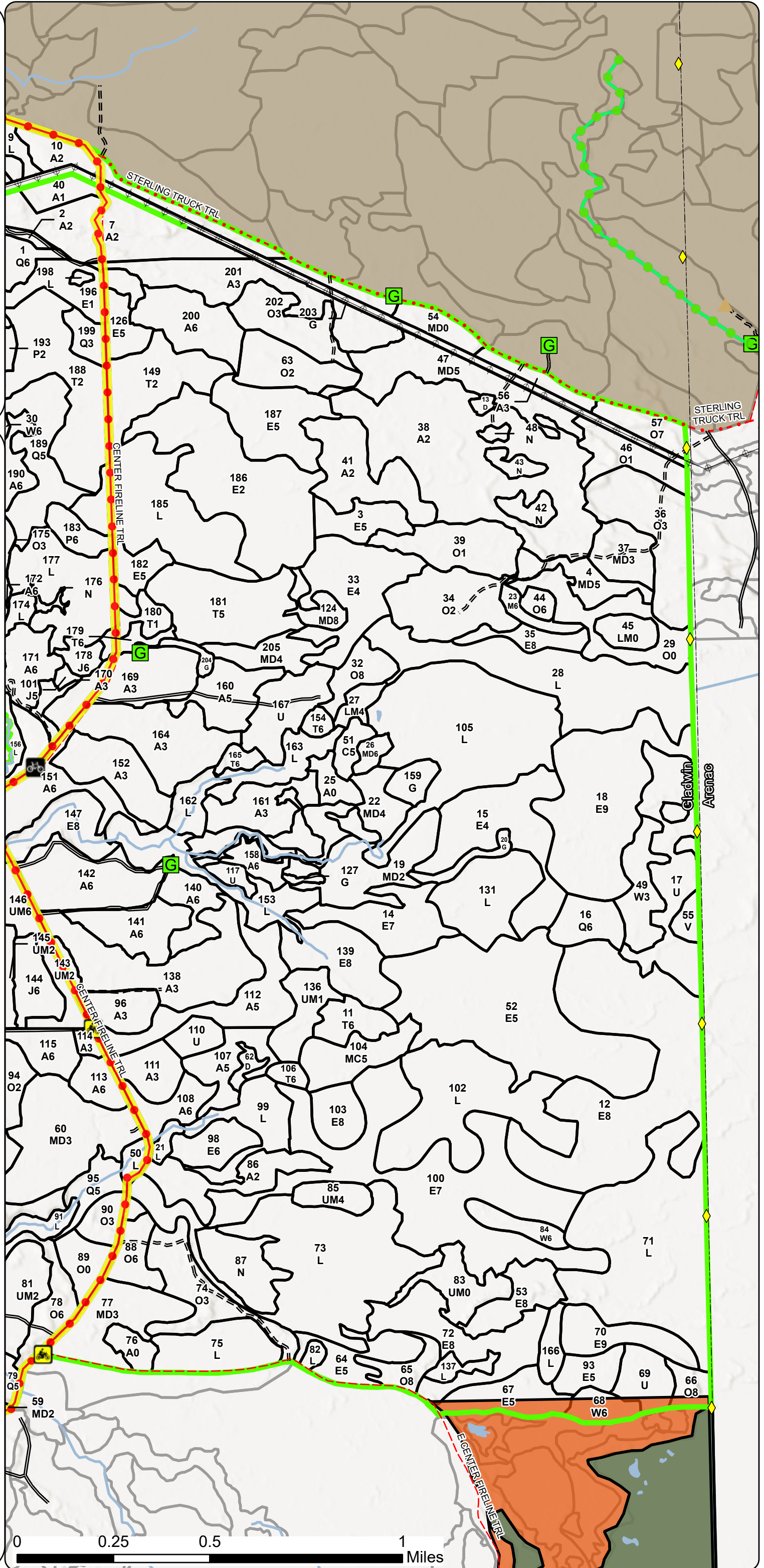


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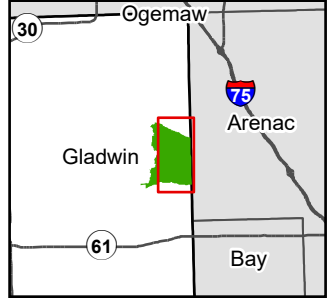


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- SCA
- Vernal Pool
- Other Habitat Area

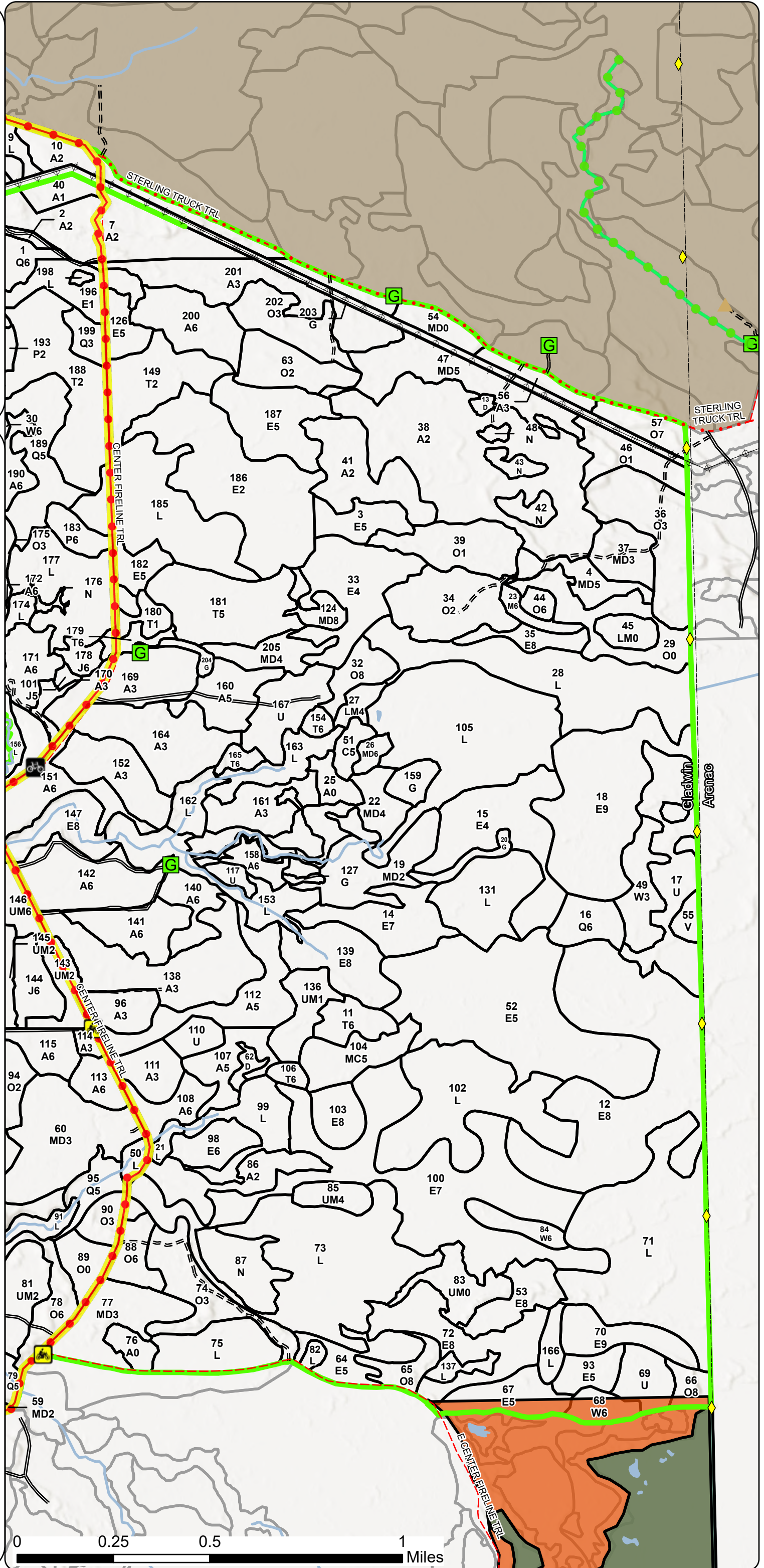


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	13	223	208	161	117	115	111	0	0	0	0	0	0	0	0	0	0	0	948
Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Cedar	0	0	0	0	0	0	0	6	0	0	0	11	0	0	0	0	0	0	16
Cropland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Herbaceous Openland	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Jack Pine	0	0	0	0	14	7	0	0	0	0	0	0	0	0	0	0	0	0	21
Low-Density Trees	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
Lowland Aspen/Balsam Poplar	0	0	0	0	23	8	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Conifers	0	0	0	0	0	20	29	0	0	0	0	10	67	0	0	0	0	0	126
Lowland Deciduous	0	39	0	6	121	48	0	0	0	31	318	318	15	0	0	0	0	68	962
Lowland Mixed Forest	8	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	13
Lowland Shrub	706	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	706
Marsh	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	9	0	90	64	0	3	69	0	0	0	20	0	0	0	0	0	0	0	255
Natural Mixed Pines	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Northern Hardwood	0	0	0	0	5	0	0	0	0	0	5	0	0	0	0	0	0	0	10
Oak	36	25	136	41	71	21	13	11	0	11	0	16	11	0	0	0	0	0	391
Red Pine	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Tamarack	0	0	0	76	0	3	51	19	0	0	0	0	0	0	0	0	0	0	149
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Mixed Forest	16	20	38	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103
White Pine	0	0	0	9	18	7	0	0	0	0	8	0	0	0	0	0	0	0	41
<b>Total</b>	<b>975</b>	<b>307</b>	<b>472</b>	<b>404</b>	<b>369</b>	<b>232</b>	<b>273</b>	<b>46</b>	<b>0</b>	<b>47</b>	<b>351</b>	<b>355</b>	<b>93</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>3987</b>



## Report 2 – Treatment Summary

Gladwin Mgt. Unit  
Year of Entry: 2028

Acres of Harvest

Compartment 48  
Total Compartment Acres: 3,986

Commercial Harvest - 228  
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	109	0	0	0	0	0	0	0	0	109
Northern Hardwood	5	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>115</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	115	0	0	0	0	0	28	0	0	168
Next Step	0	0	0	0	0	0	115	0	0	288
<b>Total</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>456</b>



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

**Proposed Treatments:**

<b>20</b>	<b>73048020-Opening</b>	6.1	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide, and mowing.  
Specs:

Next Step Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Herbicide; Openings Mgmt., Disking/Plowing; Openings Mgmt., Brush Mgmt.;  
Treatments: Openings Mgmt., Interseeding; Openings Mgmt., Other - Specify; Openings Mgmt., Mowing

Acceptable Regen:

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

Site Condition:

Proposed Start Date: 10/01/2027

<b>25</b>	<b>73048025-Monitor</b>	6.0	413 - Aspen	0	4	Unspecified	Monitoring	Monitoring - Regeneration	413 - Aspen	Planting Record	No
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Prescription check to see if stand fully regenerates and oak becomes established and the maple gets above deer browse  
Specs:

Next Step  
Treatments:

Acceptable Regen: aspen mixed with maple and oak.

Other Comment: Percent to Treat = 100%

Site Condition:

Proposed Start Date: 10/01/2031

<b>61</b>	<b>73048061-Cut</b>	13.8	4130 - Aspen	6	56	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Harvest the stand as a clearcut. Mark some oaks, pines, and small groups of trees for diversity in species and density. The residual density of oak should not exceed 20 BA. The harvest should be restricted to the time frame of October 1 to March 31 during  
Specs:

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

Acceptable Regen: medium or better stocking of aspen

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>76 73048076-Monitor</b>	6.3	413 - Aspen	0	5	Immature	Monitoring	Monitoring - Regeneration	413 - Aspen	Planting Record	No
<p><u>Prescription</u> check if oak and maple can get established.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u> Medium stocking of aspen mixed with pine and oak.  <u>Regen:</u>  <u>Other</u> Percent to Treat = 100%  <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2035</p>										
<b>83 73048083.20_Monitor</b>	15.7	4310 - Pine, Oak Mix	0	5	Immature	Monitoring	Monitoring - Regeneration	429 - Mixed Upland Conifers	Planting Record	No
<p><u>Prescription</u> check to see if regeneration of oak can become established and pine can seed in adequately.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u> white pine, maple, aspen and oak  <u>Regen:</u>  <u>Other</u> Percent to Treat = 100%  <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2031</p>										
<b>135 73048135-Cut</b>	5.3	4112 - Maple, Beech, Cherry Association	8	90	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<p><u>Prescription</u> Harvest as a clearcut without retention because of small acreage. The harvest should be restricted to the time frame of October 1 to March 31 during dry or frozen condition because of site considerations.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> medium or better stocking of mixed upland deciduous. the main species would be red maple and oaks.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2027</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>159 73048159-Opening</b>	15.4	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide, and mowing.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Herbicide; Openings Mgmt., Disking/Plowing; Openings Mgmt., Brush Mgmt.;  <u>Treatments:</u> Openings Mgmt., Interseeding; Openings Mgmt., Other - Specify; Openings Mgmt., Mowing</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Variance approved 7/12/2024</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										
<b>172 73048172-Cut</b>	30.3	4131 - Aspen, Oak	6	56	51-80	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<p><u>Prescription</u> Harvest the stand as a clear cut with retention. Cut the stand to the top of the ridge above the floodplain of the Molasses River. The retention should be in pockets. The harvest should be restricted to the time frame of October 1 to March 31 during dry o</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> medium or better stocking of aspen and oak.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										
<b>190 73048190-Cut</b>	26.5	4131 - Aspen, Oak	6	45	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest as a clearcut with retention. Place the retention around the conifer vein in the eastern half of the stand. The harvest should be restricted to the time frame of October 1 to March 31 during dry or frozen conditions because of site considerations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> medium or better stocking of aspen mixed with oaks, pines, and maples.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										
<b>192 73048192-Cut</b>	15.2	4130 - Aspen	6	50	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest as a clearcut without retention because of size. The harvest should be restricted to the time frame of October 1 to March 31 during dry or frozen conditions because of site considerations. include the Gladwin grouse spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> medium of better stocking of aspen mixed with other species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>200 73048200-Cut</b>	23.6	4131 - Aspen, Oak	6	56	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<p><u>Prescription</u> Harvest the stand as a clearcut with retention. The retention should focus on the retention of pine and oak greater than 18" DBH. It should not exceed 20 BA. The harvest should be restricted to the time frame of October 1 to March 31 during dry or frozen</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> medium or better stocking of aspen mixed with oaks, maples, and pines.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										
<b>204 73048204-Opening</b>	3.3	2113 - Forage Crops	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide, and mowing.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Herbicide; Openings Mgmt., Disking/Plowing; Openings Mgmt., Brush Mgmt.;</p> <p><u>Treatments:</u> Openings Mgmt., Interseeding; Openings Mgmt., Other - Specify; Openings Mgmt., Mowing</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Stand to be maintained as a wildlife opening by Wildlife Division.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										

**Total Treatment Acreage Proposed: 167.5**

# Report 4 – Site Conditions

Gladwin Mgt. Unit  
Steve Nyhoff: Examiner

Compartment: 48  
Year of Entry: 2028



## Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	2G	2H	5E
		With Condition	Not Available					
848	840	0	8	Aspen				8
8	8	0	0	Bog				
14	0	0	14	Cedar		14		
3	3	0	0	Cropland				
53	53	0	0	Herbaceous Openland				
20	20	0	0	Jack Pine				
86	86	0	0	Low-Density Trees				
32	32	0	0	Lowland Aspen/Balsam Poplar				
125	7	0	119	Lowland Conifers		106	13	
944	276	0	668	Lowland Deciduous		609	59	
3	0	0	3	Lowland Mixed Forest		2		1
706	706	0	0	Lowland Shrub				
32	32	0	0	Marsh				
256	256	0	0	Mixed Upland Deciduous				
18	18	0	0	Natural Mixed Pines				
11	11	0	0	Northern Hardwood				
368	311	46	11	Oak	46		7	5
10	10	0	0	Red Pine				
148	9	0	140	Tamarack		140		
5	5	0	0	Treed Bog				
103	88	0	15	Upland Mixed Forest		15		
41	33	0	8	White Pine			8	
3,833	2,802	46	985	Total Forested Acres	46	885	86	13
	73%	1%	26%	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)	125	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Steve Nyhoff: Examiner

Compartment: 48  
Year of Entry: 2028



2	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	15	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	72	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Steve Nyhoff: Examiner

Compartment: 48  
Year of Entry: 2028



7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	95	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	98	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Steve Nyhoff: Examiner

Compartment: 48  
Year of Entry: 2028



13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	167	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	76	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Steve Nyhoff: Examiner

Compartment: 48  
Year of Entry: 2028



26	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Steve Nyhoff: Examiner

Compartment: 48  
Year of Entry: 2028



33	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	Unavailable	5E: Long-Term Retention	2	2F: Too steep	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
<b>Comments:</b>							
35	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



39	Unavailable	5E: Long-Term Retention	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	198	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
42	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
44	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
46	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
1	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	13.5	114	141-170	N/A	The stand is in a depression. It is made up of mainly cedar. The ash in the overstory is gone. There is some ash regeneration. The soil is too wet to harvest. The terrain is very hummocky. The crown closure goes from 100% along the northern edge to 50% in the southern leg. The average is around 75%.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>45</td> <td>Pole</td> <td>7</td> <td>114</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>XLog/Log</td> <td>22</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>3</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>4</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	45	Pole	7	114	White Pine	10	XLog/Log	22		Red Maple	30	Log/Pole	12		Quaking Aspen	3	Log	12		Paper Birch	4	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Tamarack	Low	5 - 10 feet	5 - 10 feet								
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Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																		
Tamarack	Low	5 - 10 feet	5 - 10 feet																																																		
2	4131 - Aspen, Oak	Sapling Medium	14.8	14	Immature	N/A	The stand was harvested in the spring of 2012. The regeneration is spotty, and heavy to oak. There are some openings resulting from the logging activity. The terrain is slightly hummocky. Much of the oak in the stand is now greater than 5' tall, but there is a lot that is still not established. The crown closure is around 60%.																																														
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Red Maple	15	Sapling	2																																																		
3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	13.1	34	1-50	N/A	The stand is low and wet. There are a couple of upland knobs and a narrow gage RR grade in the stand. The terrain is very hummocky. The soil is muddy in spots even after a dry summer and fall. The site index appears to be low, approximately 40.																																														
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4	4199 - Other Mixed Upland Deciduous	Poletimber Medium	12.8	54	51-80	N/A	The stand has some open pockets. Some of the pockets are low and wet and dominated by leather leaf. Other pockets are open uplands. The aspen is mainly quaking aspen and is heavy along the north edge and in the west end. The oak sawlogs look to be residual from the previous harvest. There is significant understory oak. The stand is fairly wet, and it is almost a lowland site.																																														
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5	6113 - Lowland Maple	Sawtimber Poor	15.0	110	1-50	N/A	The ash in the stand is gone lowering the crown closure. The stand is converting to a non-forested wetland. The edges of the stand are dominated by steep slopes. The aspen is located on these slopes. It is declining and the slopes are too steep to harvest. On the floodplain of the river there is a high occurrence of windthrow. The crown closure is around 30%.																																														
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6	4130 - Aspen	Sapling Medium	7.0	2	Immature	N/A	The stand was harvested in July of 2021, in Sterling Powerline Harvest, sale 73-001-18. This is the area above the floodplain on the east side of the Molasses River. The stand has regenerated to a light A3. There are some open areas but much of the stand is well stocked.																																																															
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7	4130 - Aspen	Sapling Medium	57.0	14	1-50	N/A	The stand was harvested in the spring of 2012. The regeneration came in well. The crown closure is closer to 90%.																																																															
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8	3105 - Mixed Upland Herbaceous	None	2.9			No	The stand is in a slight depression, and it looks like it could be a frost pocket. Many of the trees in the stand appear to be stunted.																																																															
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9	6229 - Mixed Lowland Shrub	None	6.2			No	This stand is in a swale of brush with some scattered sapling and pole swamp hardwoods mixed with tamarack and oak. These are mainly at the north and south ends. The density is low. Overall, the stand is a L-Type.																																																															
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10	4130 - Aspen	Sapling Medium	19.8	4	Immature	N/A	The stand was harvested in 12/2022, in Sterling Powerline, sale 73-001-18. Regeneration is coming in well. There are scattered oak and pine that were retained.																																																															
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<b>11</b>	6121 - Tamarack	Poletimber Well	11.4	62	51-80	N/A	The growth rings on the tamarack show a significant reduction in width. So, it looks like it is becoming stagnate. However, the stand is too wet with standing water. The aspen in the stand is declining and most show signs of significant rot. There are pockets mixed with maple and oak, mostly concentrated in the eastern half.																																																		
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<b>12</b>	6113 - Lowland Maple	Sawtimber Medium	113.4	104	51-80	N/A	The ash is dead and down. This has created openings in the canopy that are now converting to lowland shrubs. The canopy closure goes from 0-100% with an average around 65%. The stand dries out going to the east. There are manageable areas, but they are in a matrix with unmanageable ground. Overall, the stand is too wet to manage.																																																		
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Red Pine	4	XLog/Log	18																																																						
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Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																						
<b>13</b>	6224 - Treed Bog	None	1.7			No	The stand is in a slight depression, and it is heavy to leather leaf. The perimeter has some swamp hardwoods. The area looks like it is wet during the spring but dries out in summer. Some tamaracks are seeding into the bog.																																																		
<b>14</b>	6113 - Lowland Maple	Sawtimber Poor	25.4	104	51-80	N/A	The ash in the stand is dead and down leading to a lower crown closure. The white pine understory is the heaviest in the eastern half. The western 1/2 is wetter with areas of standing water. There are some slight ridges in the eastern portion. The stand appears to be too wet to harvest. The crown closure is closer to 50%.																																																		
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<b>15</b>	6113 - Lowland Maple	Poletimber Poor	43.7	92	51-80	N/A	The stand is heavy to lowland shrubs with scattered pockets of swamp hardwoods, tamaracks, white pines, and fir. There are also a couple of upland ridges. The crown closure is around 35%.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
16	6127 - Lowland Pine	Poletimber Well	13.0	40	141-170	N/A	This stand was habitat cut in 1986. It is currently made up of white pine that is very limby. The stand is dryer to the east. Also, the east half is heaviest to white pine. The terrain is hummocky. The uplands make up about 45% of the stand. There are scattered XL red and white pines. Most of the trees are in the pole category but they go from seedlings to XL log.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		88	Pole/Sap/Log	9	40	Deciduous Shrubs		
Red Pine		5	Log/Pole	10		White Pine		
Black/Red (Hybrid) Oak		5	Pole/Sapling	7		Density		
Red Maple		2	Pole/Sapling	7		Avg. Height		
						Size		
17	330 - Low-Density Trees	None	39.1			Yes	The stand was burned in the fall of 1995. It is mainly uplands with some pockets of low wet ground. White pine is filling in from the west. However, much of it is weevilled. The stand is mainly poverty grass and blueberry under bracken fern. The crown closure is less than 25% at the current time.	
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>				
Tamarack		Low	5 - 10 feet	5 - 10 feet				
Black/Red (Hybrid) Oak		Low	Variable	Variable				
Sweet Fern		Medium	< 5 feet	< 5 feet				
White Pine		Medium	Variable	Variable				
Red Pine		Trace	5 - 10 feet	5 - 10 feet				
Blueberry/Bilberry/Cranberry		Full	< 5 feet	< 5 feet				
18	6113 - Lowland Maple	Sawtimber Well	67.5	104	81-110	N/A	The east side of the stand is a little dryer and has a heavy white pine understory. The west side is heavy to swamp hardwood. The ash is dead and down, which has lowered the crown closure in areas. At the current time the crown closure goes from 20 to 100% with an average of 75%. Understory is a mix of maple and white pine. The tree's diameters go from seedling to XL logs. There is a lot of woody debris on the forest floor.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		80	Log/Pole/Sap	11	104	Tamarack		
Black/Red (Hybrid) Oak		8	Log/Pole	13		White Pine		
Paper Birch		2	Pole	8		Northern White Cedar		
White Pine		4	XLog/Log	20		Black/Red (Hybrid) Oak		
Red Pine		1	XLog/Log	18		Tag Alder		
White Oak		5	XLog/Log	18		Density		
						Avg. Height		
						Size		
19	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	26.5	18	Immature	N/A	The stand was harvested in 2008 as a clearcut retaining white pine. Therefore, there are pockets of dense white pine saplings and poles. The oak regeneration is now becoming established. The stand is a mix of uplands and lowlands. There are some pockets of lowland shrubs. The crown closure goes from 10 to 100% with an average of around 65%.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Choke Cherry		18	Sapling	1		Alder		
Black/Red (Hybrid) Oak		50	Sapling	1	18	Medium		
White Pine		20	Sapling/Pole	3		5 - 10 feet		
Red Pine		5	Sapling/Pole	3		5 - 10 feet		
White Oak		5	Sapling	1				
20	3102 - Grass	None	5.0			Yes	This is a maintained wildlife opening of planted grass with a few islands of oak trees.	
21	629 - Mixed non-forested Wetland	None	3.0			No	This stand is a drainage and has a lot of standing water. The lowland shrubs are heavy to red osier dogwood.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
22	4199 - Other Mixed Upland Deciduous	Poletimber Poor	19.8	97	51-80	N/A	The stand was cut in 1985 and failed to regenerate because of deer browse. The area was then burned in 1995 for blueberry production. The stand now has a fair amount of oak regeneration that is now established. Tamarack continues to seed into the stand mainly along the edges. The current crown closure goes from 0 to 100% with an average just past 50%.																																																									
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23	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.3	31	81-110	N/A	The terrain is hummocky and wet. The water table looks to be very close to the surface. The trees in the stand have flared butts and roots on the surface. Many of the maples appear to be of stump sprout origin. Therefore, high quality sawlogs will be rare.																																																									
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24	622 - Lowland Shrub	None	8.8			No	Most of the overstory has died off and the stand has converted from a low-density swamp hardwood to a lowland shrub Type. There are some swamp hardwoods hanging on. However, the crown closure is around 20% and it is concentrated along the perimeter and at the east and west ends.																																																									
25	413 - Aspen	Unspecified	6.8	4	Unspecified		The stand was harvested in Sterling Powerline Harvest, 73-001-18. The harvest was completed on 10/21/22. The regeneration is variable going from non-stocked to fully stocked. There is some deer browse that is hindering regeneration. Most of the regeneration is less than 5' tall and is not established. The stand needs more time to regenerate. There is seeding in of pine and tamarack.																																																									
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26	4199 - Other Mixed Upland Deciduous	Poletimber Well	4.0	53	51-80	N/A	The stand was harvested or had disturbance sometime in the past. The maple is all stump sprout origin. The aspen is starting to fall out. The soil is wetter than stands 22 and 25. The terrain is hummocky.																																																									
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27	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	5.3	89	1-50	N/A	The east side of the stand has started to die off. It is quickly becoming a lowland shrub type. The west side still has a mix of species. More trees have died off and the crown closure is now around 25%.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
28	6229 - Mixed Lowland Shrub	None	65.2			No	The stand is mostly lowland shrubs with scattered swamp hardwoods, especially along the north side. It grades into the stands to the north and south making it difficult to place the stand lines.					
29	412 - Oak Types	Unspecified	24.9	4	Immature		The stand was harvested in 9/2021, in Sterling Center Mix, sale 73-005-18. The stand is variable going from wet to dry. There are portions of the stand that are too wet to harvest, especially along the south edge. There are also portions of the stand that look like they were harvested or had a fire. The stand is slow to regenerate.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Tamarack	Low	< 5 feet	< 5 feet	
								Black/Red (Hybrid) Oak	Medium	5 - 10 feet	5 - 10 feet	
								Quaking Aspen	Low	5 - 10 feet	5 - 10 feet	
								Red Maple	Low	5 - 10 feet	5 - 10 feet	
White Oak	Low	5 - 10 feet	5 - 10 feet									
30	42200 - Natural White Pine	Poletimber Well	7.0	45	141-170	N/A	The stand is variable in size and density. It goes from saplings and poles to logs and poles. It also goes from well to non-stocked.					
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								White Pine	75	Pole/Sap/Log	9	45
								Quaking Aspen	15	Pole/Sapling	7	
								Black/Red (Hybrid) Oak	8	Pole/Log/Sap	8	
Red Pine	2	Pole	8									
32	4125 - Black, N. Pin Oak	Sawtimber Medium	11.0	89	1-50	N/A	The stand was cut in 1994. The regeneration is patchy. The main canopy component is the oak that was left for mast. The stand is seeding in with maples, tamaracks, and oaks. However, the stand still has areas that are not forested which can be either uplands or lowlands.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Michigan Holly	Low	5 - 10 feet	5 - 10 feet	
								Red Maple	Medium	10 - 20 feet	10 - 20 feet	
								Oak (spp.)	Medium	10 - 20 feet	10 - 20 feet	
								Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	60	Log/Pole/Sap	14	89								
White Oak	15	Log/Pole/Sap	14									
Quaking Aspen	20	Pole	9									
Tamarack	5	Sapling/Pole	3	29								
33	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	36.5	33	1-50	N/A	The stand is mainly lowlands but there are upland pockets and ridges. It grades from tamarack in the south to maple in the north. The tamarack ranges from 2- to 40 years old. This was estimated by counting major branch whorls on the boles. The ash is now gone. There are also inclusions of lowland shrub types that have little or no trees. Most of the poles are on the more upland areas.					
33	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	36.5	33	1-50	N/A	The stand is mainly lowlands but there are upland pockets and ridges. It grades from tamarack in the south to maple in the north. The tamarack ranges from 2- to 40 years old. This was estimated by counting major branch whorls on the boles. The ash is now gone. There are also inclusions of lowland shrub types that have little or no trees. Most of the poles are on the more upland areas.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Michigan Holly	High	5 - 10 feet	5 - 10 feet	
								Tag Alder	High	5 - 10 feet	5 - 10 feet	
								Canopy Species	% Cover	Size Class	DBH	Age
								Tamarack	40	Pole/Sapling	5	33
Red Maple	30	Sapling/Pole/Log	4									
Black/Red (Hybrid) Oak	10	Sapling	4									
Paper Birch	5	Pole/Sapling	7									
White Oak	5	Sapling	4									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
<b>34</b>	4125 - Black, N. Pin Oak	Sapling Medium	30.8	31	Immature	N/A	The stand looks like it was harvested as a 4" clearcut around 1994. The regeneration goes from poor to excellent. The terrain is hummocky. The oak regeneration is a mixture of both stump sprout and single stems. The maple regeneration is mainly stump sprouts. The stand gets wetter going west and there are some lowland shrub pockets. The crown closure is around 70%.																																																				
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<b>35</b>	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	8.7	90	51-80	N/A	The ash is gone in the stand. The terrain is hummocky. The ground cover is mainly marsh grass. The crown closure is around 70%. Portions of the stand appear to have been harvested, at least on the dryer ground.																																																				
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<b>36</b>	4121 - Oak, Aspen	Sapling Well	36.1	31	Immature	N/A	The stand was harvested in the winter of 1995. The harvest retained some of the 4" trees. The crown closure is closer to 75% and there are some significant openings. Some of them are uplands and others are lowlands. Part of the stand burned resetting regeneration along the east side.																																																				
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<b>37</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	14.3	14	Immature	N/A	The stand was treated by removing the larger poles and retaining the rest. There are some pockets of aspen. There is also scattered tamarack. Overall, the regeneration from the harvest makes up most of the crown closure.																																																				
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<b>38</b>	4130 - Aspen	Sapling Medium	102.3	2	Immature	N/A	The harvest was completed in 05/2024, in Sterling Powerline, sale 73-001-18. However, the east side was completed in 2022. The regeneration is coming in well overall.																																																				
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<b>39</b>	4125 - Black, N. Pin Oak	Sapling Poor	24.5	5	1-50	N/A	The stand was harvested in 1995 as a species removal. The oak was left. The open areas had good oak regeneration. The stand was seed tree harvested again in 9/2021, in Center Sterling Mix, sale 73-005-18. The residual was around 12 BA. The stand has regenerated again, but 50% of the oak is not established. Tamarack is seeding in in the wetter areas.																																																				
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<b>40</b>	4130 - Aspen	Sapling Poor	22.1	14	Immature	N/A	The stand was harvested in the spring of 2012. This area is lower, and wetter than stand 2 and 7. It did not regenerate well. There are areas of significant rutting, especially north of the powerline.																																																				
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<b>41</b>	4131 - Aspen, Oak	Sapling Medium	29.7	2	Immature	N/A	The stand was harvested in 05/2024, in Sterling Powerline, sale 73-001-18. The stand is mostly uplands. The regeneration is patchy. It appears that in time it will regenerate to the same type of stand that it was originally.																																																				
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<b>42</b>	6233 - Wet Meadow	None	5.5			No	This stand is in a depression surrounded by ridges. It is seasonally wet. It is dominated by wet sedges mixed with leather leaf and blueberry. The stand was dry in November of 2025.																																																				
<b>43</b>	6233 - Wet Meadow	None	4.4			No	This stand is in a depression surrounded by ridges. It is seasonally wet. It is dominated by wet sedges mixed with leather leaf and blueberry. The stand was dry in November of 2025.																																																				
<b>44</b>	4125 - Black, N. Pin Oak	Poletimber Well	3.8	31	1-50	N/A	The crown closure is around 80%. The eastern end of the stand has a higher crown closure and lower amount of low wet ground. Much of the stand is made up of low wet ground with upland knobs.																																																				
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<b>45</b>	613 - Lowland Mixed Forest	Unspecified	7.8	4	Immature		The stand was harvested 9/2021, in Center Sterling Mix, sale 73-005-18. The east side of the stand is fairly wet. The stand has started to regenerate heavy to red maple. The density of the maple increases going east. There are also significant lowland shrubs on the east side.																																																				
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46	4126 - White, Black, N. Pin Oak	Sapling Poor	15.8	15	Immature	N/A	The stand was harvested 9/2021, in Center Sterling Mix, sale 73-005-18. The east side of the stand is fairly wet. The crown density is variable. The stands regeneration is a mix of oak and pines. The white pines are heavier in the western portion and oaks throughout. The stand is about 55% lowland.																																																			
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47	4199 - Other Mixed Upland Deciduous	Poletimber Medium	33.2	56	51-80	N/A	The stand is variable. It is a matrix of heavy pockets of aspen and pockets of oak. The terrain is undulating with wet depressions and upland ridges. There is a significant amount of log size oak overstory in the stand as well as a well-developed sapling and pole understory. Hold stand for 10 years.																																																			
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48	6233 - Wet Meadow	None	1.7			No	This stand is in a depression surrounded by ridges. It is seasonally wet. It is dominated by wet sedges mixed with leather leaf and blueberry. The stand was dry in November of 2025.																																																			
49	42200 - Natural White Pine	Sapling Well	17.5	31	1-50	N/A	The stand was burned in the fall of 1995. It is mainly uplands with some pockets of low wet ground. White pine is filling in from the west. Currently the stand is heavy to seedling with some tree now becoming poles. Therefore, the ages go from 1 to 30 years. Much of the white pine has been weevilled.																																																			
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50	6229 - Mixed Lowland Shrub	None	4.3			No	This stand is low and wet. It was harvested in 1988 and swamped out. There is some regeneration coming in mostly by seed. Some of it is approaching poles but appears to be slow growing. The stand would be classified as a low-density tree if it were uplands. It looks like it will be a swamp hardwood stand when the crowns fill out																																																			
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51	6120 - Lowland Cedar	Poletimber Medium	5.9	63	51-80	N/A	Overall, the stand is too wet to harvest. The ash is dead and down. The stand has heavy windthrow present and some mortality in the overstory. The crown closure is now around 60%.																																																			
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<b>52</b>	6113 - Lowland Maple	Poletimber Medium	103.2	104	51-80	N/A	The ash in the stand is dead and down. There is also significant windthrow especially in the northern 1/2 of the stand. Overall, the stand is wet with only about 20% manageable ground in a matrix of mucky soil. The stand has a significant amount of standing water. The northern 1/2 has a crown closure that goes from 20 to 50% and the southern 1/2 goes from 45 to 70%. The overall average is around 60%. The transition from poorly stocked to moderately stock is gradual, so separating the stand is difficult.																																																		
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<b>53</b>	6113 - Lowland Maple	Sawtimber Medium	16.0	97	51-80	N/A	The stand was harvested 10/2021, in Center Sterling Mix, sale 73-005-18. The residual was around 63 BA. It is a matrix of uplands and lowlands with the lowlands being the majority. The dryer ground has a thick understory of maple and white pine. The low ground has areas of marsh or lowland shrubs. The stand has significant down wood. The crown closure is around 65%																																																		
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<b>54</b>	4199 - Other Mixed Upland Deciduous	Unspecified	9.1	4	Immature		The stand was harvested in 04/2022, in Sterling Powerline, sale 73-001-18. Much of the oak regeneration is present but not established. It will take some time for that to happen.																																																		
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<b>55</b>	6225 - Bog	None	7.6			No	This stand is in 3 parts, and both are in depressions that are heavy to leather leaf. The eastern one was left out of the burn that happened in 1995. The plow line went around it. There are some white pines trying to grow in these bogs, but it is very limited.																																																		
<b>56</b>	4131 - Aspen, Oak	Sapling Well	7.7	21	Immature	N/A	The stand was final harvested in May of 2005. The sale was STT Fire sale, 73-002-04. There are some crown openings along the powerline. The stand has regenerated well overall, and it is filled with oak, aspen and white pine. The aspen is in two main pockets. One is at the west end and the other in the center. The rest of the stand is heavy to oak.																																																		
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<b>57</b>	4126 - White, Black, N. Pin Oak	Sawtimber Poor	10.6	115	1-50	N/A	The stand was harvested 10/2021, in Center Sterling Mix, sale 73-005-18. The residual was around 18 BA. Some of the residual has since died or the tops have broken off. The stand is fairly open, and it is on an upland ridge. The stand is regenerating but much of the oak regeneration is not established.																																																		
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58	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	17.7	115	111-140	N/A	There is a lot of blow down and woody material on the forest floor. The crown closure has been reduced to around 80%. The stand is a bench just above the main Molasses River floodplain. The soil is wet. They have numerous seeps and springs that come out of the hillside.																																																											
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59	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	3.6	16	1-50	N/A	This stand was harvested in 2010 Lost Legend sale 73-029-06-01. When the stand was harvested around 20 BA was retained. Since then, some of the oaks have died. Much of the oak regeneration is now greater than 5 feet tall and is established. The crown closure is approaching 75%.																																																											
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60	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	45.8	18	Immature	N/A	The stand was harvested in 2008. In 2010 it was noted that the stand had heavy cherry regeneration, and the oak was heavily browsed. The aspen regeneration was mainly in scattered clones. In 2011 the stand was interplanted with red pine. This brought the stand up to fully stocked. The planted red pine has a high survival rate in the open areas. In the areas of moderate oak regeneration, the survival is good, but trees look suppressed. In the heavy oak regeneration areas, the survival is low.																																																											
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61	4130 - Aspen	Poletimber Well	13.8	56	51-80	N/A	The terrain is flat. The stand has a heavy understory of hardwoods. There are some swales.																																																											
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62	6224 - Treed Bog	None	3.0			No	This area is mainly leather leaf with scattered trees. The soil is wet.																																														
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63	4125 - Black, N. Pin Oak	Sapling Medium	19.8	25	Immature	N/A	When the stand was harvested 4" DBH trees were left. The regeneration is a mixture of stump sprouts, root suckers, and seed source. Overall, the regeneration is patchy so there are large open areas. Also, some of the oak regeneration is not quite established yet. Current Crown closure is around 60%.																																														
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64	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	16.8	99	81-110	N/A	The stand has portions that are too wet to harvest and areas that are manageable. Most of the upland pockets are too small to manage. The ash is dead and down. This has created some openings that are converting to lowland shrubs. The crown closure goes from 20 to 100% with an average close to 75%.																																														
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65	4122 - Oak, Pine	Sawtimber Medium	8.7	106	51-80	N/A	The stand is a ridge that was seed tree harvested in 2010. The white pine is regenerating well in the southern 1/2 of the stand. The oak is more common in the rest of the stand.																																														
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66	4125 - Black, N. Pin Oak	Sawtimber Medium	6.7	104	51-80	N/A	The stand was burned in 1986. It is mainly on a ridge with the ground cover of poverty grass and winter green. There is some mortality in the oak overstory.																																														
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<b>67</b>	6113 - Lowland Maple	Poletimber Medium	17.7	96	81-110	N/A	The south edge is an upland ridge that is seeding in with white pine. There is also oak and mature aspen. The west end has an area that is more of a lowland shrub type. The ash is dead and down. The central area has the lowest crown closure being around 30% and the edges are around 90%. This area is too small to manage alone.																												
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<b>68</b>	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	8.2	96	81-110	N/A	The stand has a pocket of lowland shrubs as there is a drain along the southern edge. The terrain is hummocky. The stand looks to have had the hardwood removed in the past. The maple is mainly of stump sprout origin.																												
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<b>69</b>	330 - Low-Density Trees	None	13.0			No	The stand was burned in 1986. The area now has a low density of trees. The terrain is mainly flat with some areas that are lower and wetter. The stand could be burned again to knock back the regeneration to keep a more open environment. The stand is seeding in with white pine, but it has a high occurrence of weevil. Currently the crown closure goes from 0 to 100% with an average of 20%.																												
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<b>70</b>	6113 - Lowland Maple	Sawtimber Well	18.0	106	81-110	N/A	Portions of the stand are treatable but much of it is too wet to harvest. The stand is dryer west than east. The ash is dead and down. The crown closure goes from 25 to 100% with an average of 75%. It could be classified as an E8 or an E9. The eastern end becomes more of a light E8 over lowland shrubs.																												
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<b>71</b>	6229 - Mixed Lowland Shrub	None	93.2			No	The crown closure is now approaching 25% but varies between 0 and 90%. The tree density is highest on the ridges which are heavy with oak and white pine. The lowland areas are either leather leaf or alder with a few white pines. The ridges grade into lowland shrubs. This makes breaking apart the stand into lowland shrubs and upland trees difficult. Newer imagery may make the difference more noticeable being much of the seeding in white pine is now of greater size. The breakdown of lowlands to uplands is about 50-50. The stand was burned in 1986.																												
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<b>72</b>	6113 - Lowland Maple	Sawtimber Medium	35.5	97	81-110	N/A	The ash in the stand is now dead and down. The crown closure is now around 70%. There are areas where the lowland shrub types may be expanding due to the loss of canopy. Water flows through the stand but there are no defined bed and bank. The stand has very little understory.																												
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<b>73</b>	629 - Mixed non-forested Wetland	None	89.6			No	There are several feeder creeks that flow into and through the stand. It is dominated by lowland shrubs but there are some pockets of marsh.																												



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<b>74</b>	4125 - Black, N. Pin Oak	Sapling Well	26.6	16	1-50	N/A	This stand was harvested in 2010. The harvest left around 25 BA of residual oak along with some white and red pines. Oak regeneration is now established. Much of it looks to be stump sprout origin but some are single stem. The aspen in the stand is mainly in pockets. The overstory oak is starting to decline.																																																				
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<b>75</b>	6229 - Mixed Lowland Shrub	None	23.1			No	The stand is mainly a lowland shrub type with some dry ridges. It has some blueberries, but it is mainly on the upland which makes up < 25% of the stand. The crown closure is approaching 25%, but it is not quite there yet.																																																				
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<b>76</b>	413 - Aspen	Unspecified	6.4	5	Immature		The stand is a mixture of uplands and lowlands that is closer to a 50-50 mix. What lowlands are there dry out in late summer and fall. The open areas in the stand are wetter. The stand was harvested in Sterling Powerline Harvest, 73-001-18. The harvest was completed 7/21/21. The oak regeneration is present but not established. There is some pine and maple regeneration as well, but it is very sparse.																																																				
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<b>77</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	27.9	29	1-50	N/A	The stand was harvested in 1997. It is a sequence of ridges and swales. Some of the swales are wet. The oak is mainly on the ridges, and the aspen is present in the lower elevations. The jack pines in the stand are heavily galled.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>78</b>	4125 - Black, N. Pin Oak	Poletimber Well	16.7	49	81-110	N/A	The stand is variable with areas heavier to aspen and some areas heavier to oak. At the north end there is a component of jack pine. Some of the overstorey trees have come down either by wind throw or stem snapping along the north edge. The terrain is undulating	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black/Red (Hybrid) Oak		55	Pole/Log/Sap	8	49	Black/Red (Hybrid) Oak		
White Oak		10	Pole	8		Serviceberry (Juneberry)		
Jack Pine		5	Pole/Log	9		Red Pine		
White Pine		5	Pole/Sap/Log	8		White Pine		
Red Pine		5	Log/Pole	12				
Red Maple		5	Pole	8				
Bigtooth Aspen		15	Pole	8				
<b>79</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	35.7	117	81-110	N/A	The stand is a riparian buffer with super canopy white pine over mainly cedar. The main part of the stand is very wet, and it is bordered by steep slopes. The slopes have numerous springs. There is significant windthrow throughout the stand but especially in the central portion. The crown closure goes from 10 to 100% with an average around 60%.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Northern White Cedar		40	Pole/Log	8	117	Deciduous Saplings		
White Pine		17	XLog/Log	18	117			
Red Maple		25	Log/Pole/XLog	13				
Hemlock		11	Log/Pole	11				
Quaking Aspen		2	Log	14				
White Oak		2	Pole/Log	8				
<b>80</b>	4131 - Aspen, Oak	Poletimber Well	35.4	29	51-80	N/A	When the stand was harvested oak that was less than 4" DBH was left along with some of the larger oaks. There is some beaver damage along the river side of the stand. The open areas are filling in with oak and pine. The crown closure is around 85%.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Bigtooth Aspen		32	Sapling/Pole	4	29	Sweet Fern		
Quaking Aspen		15	Sapling/Pole	4		Black/Red (Hybrid) Oak		
Black/Red (Hybrid) Oak		43	Pole/Sapling	6		Witch Hazel		
Red Maple		1	Sapling	4		Common Blackberry		
White Oak		3	Pole/Sap/Log	5				
Jack Pine		1	Sapling/Pole	4				
Red Pine		1	Pole/Sap/Log	5				
Choke Cherry		2	Sapling	2				
White Pine		2	Sapling	3				
<b>81</b>	4310 - Pine, Oak Mix	Sapling Medium	22.9	14	Immature	N/A	This stand was harvested in 2010 and interplanted with red pine in 2012, FTP C73-808. The planted red pine had a high mortality. Areas in the stand did regenerate with oaks and some clones of aspen. The red pine had the greatest mortality under the oak and aspen that are concentrated along the edges. The red pine did better in the central portion of the stand. The crown closure goes from 40 to 100% with an average around 65%.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Black/Red (Hybrid) Oak		25	Sapling	2	16			
Bigtooth Aspen		20	Sapling	2	16			
Red Pine		30	Sapling	2	14			
White Pine		2	Sapling	2				
Jack Pine		20	Sapling	2				
White Oak		3	Sapling	2				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
82	6229 - Mixed Lowland Shrub	None	2.3			No	The stand has a mix of tag alder with scattered tamarack, red maple and oak.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Tag Alder	High	5 - 10 feet	5 - 10 feet	
								Michigan Holly	Medium	5 - 10 feet	5 - 10 feet	
								Willow spp.	High	5 - 10 feet	5 - 10 feet	
Dogwood (spp.)	Medium	5 - 10 feet	5 - 10 feet									
83	4310 - Pine, Oak Mix	Unspecified	16.2	5	Immature		The stand was harvested 10/2021, in Center Sterling Mix, sale 73-005-18. The residual was around 4 BA. The regeneration has failed. There is some white pine seeding in but at the current time the stocking is poor at best. The dryer ridge along the south side of the stand has more regeneration, but it is heavily browsed. The terrain is undulating with some very good ridges					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black/Red (Hybrid) Oak	Trace	< 5 feet	< 5 feet	
								Red Maple	Trace	< 5 feet	< 5 feet	
								White Pine	Low	< 5 feet	< 5 feet	
84	42200 - Natural White Pine	Poletimber Well	8.5	29	51-80	N/A	The aspen didn't regenerate after it was cut in 1996. It has regenerated to white pine which is now moving into poles. There are still residual sawlog oak, white pine, and red pine. This stand gets low and wet at the east end.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	2	XLog	20	
								Red Pine	1	XLog	20	
								Black/Red (Hybrid) Oak	2	Log/XLog	14	
								White Oak	1	Log/XLog	12	
								White Pine	85	Pole/Sapling	5	29
Red Pine	9	Sapling/Pole	4									
85	4310 - Pine, Oak Mix	Poletimber Poor	8.6	29	1-50	N/A	This stand was an aspen stand. It was harvested in 1997. The trees that are starting to seed in are a mixture of oak, tamarack, and pines. The aspen did not come back. It looks like it will not become fully stocked for a while. The crown closure is just over 25%.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black/Red (Hybrid) Oak	40	Pole/Sapling	5	29
								White Oak	5	Sapling/Pole	4	
								Tamarack	15	Sapling/Pole	4	
								Jack Pine	15	Pole/Sapling	5	
								White Pine	15	Sapling/Pole	4	
Red Pine	10	Sapling/Pole	3									
Sub-Canopy Species	Density	Avg. Height	Size									
Tag Alder	Low	5 - 10 feet	5 - 10 feet									
Huckleberry	High	< 5 feet	< 5 feet									
86	4131 - Aspen, Oak	Sapling Medium	21.5	5	Immature	N/A	The stand was harvested in July of 2021, in Sterling Powerline Harvest, sale 73-001-18. Aspen regeneration is in the western 1/2 of the stand. The stocking goes from well stocked to poorly stocked from west to east. The east end is heavy with red maple and oak which are heavily browsed. Much of the oak regeneration is less than 4' tall so it is not established.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	30	Sapling	1	
								Black/Red (Hybrid) Oak	25	Sapling	1	
Bigtooth Aspen	45	Sapling	1	5								
87	6233 - Wet Meadow	None	19.0			No	The stand has converted to a wet meadow. There are still areas of standing water along the drainage channels.					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>88</b>	4125 - Black, N. Pin Oak	Poletimber Well	11.2	67	81-110	N/A	The stand has scattered 16" diameter oaks over pole size oaks. It should move into a log stand in 10 years. There is some mortality in the large diameter overstory trees. There is also a significant component of jack pine in the south end which is now at rotation age.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black/Red (Hybrid) Oak		80	Pole/Log/Sap	9	67	Black/Red (Hybrid) Oak		
Red Maple		8	Pole/Sapling	7		White Pine		
Choke Cherry		3	Pole/Sapling	5		Serviceberry (Juneberry)		
Jack Pine		4	Pole	8		Blueberry/Bilberry/Cranberry		
White Oak		5	Pole	9				
<b>89</b>	4125 - Black, N. Pin Oak	Unspecified	11.0	5	Immature		The stand was cut 10/2021, in Center Sterling Mix, sale 73-005-18. The residual was around 8 BA. Some of the residual has since died. Regeneration is coming in but much of the oak is not established.	
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>				
Black/Red (Hybrid) Oak		High	< 5 feet	< 5 feet				
Blueberry/Bilberry/Cranberry		Medium	< 5 feet	< 5 feet				
Serviceberry (Juneberry)		Medium	5 - 10 feet	5 - 10 feet				
Red Maple		Low	5 - 10 feet	5 - 10 feet				
White Oak		Low	5 - 10 feet	5 - 10 feet				
<b>90</b>	4125 - Black, N. Pin Oak	Sapling Well	9.6	16	Immature	N/A	This stand was harvested in 2010 leaving oaks less than 4" DBH and all pine. Oak regeneration is now established. The crown closure is around 75%. The terrain is undulating.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black/Red (Hybrid) Oak		70	Sapling/Pole	2	16	Witch Hazel		
White Pine		7	Pole/Sapling	5		Sweet Fern		
Red Pine		15	Pole/Sap/Log	8		Huckleberry		
Quaking Aspen		3	Sapling	2				
Jack Pine		2	Sapling	2				
White Oak		3	Sapling/Pole/Log	2				
<b>91</b>	6220 - Alder/Willow	None	6.9			No	This is a series of new and old beaver floodings. The stand is heavy to tag alder and willow. The edges of the stand are seeding in with birch, tamarack, white pine, and maple. These are located mostly on the slopes that transition from the uplands to the lowlands.	
<b>92</b>	6120 - Lowland Cedar	Poletimber Well	10.5	109	111-140	N/A	There are areas of heavy windthrow especially in the central portion of the stand. The crown closure goes from 30 to 100% with an average of around 75%. The south end has the lowest crown closure because of flooding.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		15	Log/Pole	10		Deciduous Shrubs		
Northern White Cedar		65	Pole/Log	8	109	White Pine		
Paper Birch		5	Pole	7		Tag Alder		
White Pine		5	Log/XLog	16				
Hemlock		3	Log/Pole	10				
Tamarack		5	Pole/Sapling	6				
Quaking Aspen		2	Log	14				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**93** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 10.2 96 81-110 N/A The stand is made up of ridges and depressions. There are some nice poles in some areas. However, the stand is very wet overall. The ash is dead and down. It has converted to red maple and tag alder. The crown closure goes from 20 to 100% with an average around 70%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	54	Pole/Log	9	96	Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	10	Pole/Log	9		White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Pine	1	Log	15		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Quaking Aspen	10	Log	14					

**94** 4126 - White, Black, N. Pin Oak Sapling Medium 67.1 18 Immature N/A The stand was harvested in 2008. In 2010 it was noted that the stand had heavy cherry regeneration, and the oak was heavily browsed. The aspen regeneration was mainly in scattered clones. There are numerous openings. The crown closure is approaching 75%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	40	Sapling	2	18	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen	20	Sapling	2	18				
White Oak	20	Sapling	2					
Choke Cherry	5	Sapling	2					
Jack Pine	3	Sapling	2					
Red Pine	1	Sapling	2					
Red Maple	4	Sapling	2					
Bigtooth Aspen	7	Sapling	2					

**95** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 9.8 109 81-110 N/A The swamp conifer is in two main pockets, one at the east end the other at the west end. The ash is now dead and down. Also, the central portion of the stand has significant windthrow. The oak in the stand is mainly along the perimeter. The crown closure ranges from 25 to 100% with an average around 60%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	40	Pole/Log	8	109	White Pine	Medium	Variable	Variable
White Pine	20	XLog/Log	18		Deciduous Shrubs	Medium	5 - 10 feet	5 - 10 feet
Paper Birch	5	Pole/Sapling	7					
Red Maple	20	Log/Pole/Sap	11					
White Oak	5	Log/Pole/Sap	10					

**96** 4131 - Aspen, Oak Sapling Well 12.1 16 Immature N/A The stand had a wildfire in 2010. The aspen and oak have regenerated well but not the conifers. The crown has several openings and the overall crown closure is around 80%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Sapling	1	16	Sweet Fern	Medium	< 5 feet	< 5 feet
Bigtooth Aspen	20	Sapling	1		Blueberry/Bilberry/Cranberry	Medium	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	18	Sapling	1		Common Blackberry	High	< 5 feet	< 5 feet
White Oak	2	Sapling	1					
Jack Pine	15	Sapling	1					
Choke Cherry	5	Sapling	1					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
<b>98</b>	6113 - Lowland Maple	Poletimber Well	12.5	81	81-110	N/A	The birch in the stand is declining making numerous crown gaps which the maples and oaks are seeding into. The south half of the stand is mainly uplands with lowlands and the north half is mainly lowlands with uplands. The overall crown closure is closer to 80%.																																																				
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<b>99</b>	6229 - Mixed Lowland Shrub	None	19.9			No	The stand is a drainage so there is a moderate amount of standing water. The ash that was in the stand is dead. Much of it is lowland shrub, but there are scattered swamp hardwoods.																																																				
<b>100</b>	6113 - Lowland Maple	Sawtimber Poor	113.0	97	1-50	N/A	There is a bit of a drainage in the stand with a lot of very wet ground. There is significant windthrow in areas. The canopy closure goes from 0 to 100% with an average around 50%. The ash that was in the stand is dead and down, and there are now areas of lowland shrubs and cattails. The white pine regeneration is mainly along stand 84.																																																				
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<b>101</b>	42220 - Natural Jack Pine	Poletimber Medium	1.6	43	51-80	N/A	The white pine is heavily weevilled, and the jack pine is heavily galled. The trees are short, being no more than 3 sticks tall. The aspen is a little taller, only being 4 sticks.																																																				
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<b>102</b>	6229 - Mixed Lowland Shrub	None	61.5			No	The soil is very wet, and it is mainly a L-Type. There are a few scattered trees, and some areas of the stand are filling in with seedlings.																																																				
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<b>103</b>	6113 - Lowland Maple	Sawtimber Medium	12.3	95	81-110	N/A	The stand has a lot of windthrow and many of the trees are starting to tip over. The ash in the stand is dead. Overall, the stand is too wet to harvest.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>104</b>	42290 - Natural Mixed Pine	Poletimber Medium	18.4	29	1-50	N/A	In 1997 all the aspens and maples were harvested. The regeneration was poor as of last year of entry. However, this year of entry there is now red, white, and jack pines as well as oaks, tamaracks and balsam fir are seeding in. The east end is wetter and is heavier to tamarack and fir. The west end is dryer and filling in with red and white pines. The white pines in the area have some weevil problems but they are not extensive at the current time.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		40	Sapling/Pole/Log	3	29	Leatherleaf		Low	< 5 feet	< 5 feet
White Pine		30	Sapling/Pole	3		Blueberry/Bilberry/Cranberry		High	< 5 feet	< 5 feet
Balsam Fir		8	Sapling/Pole	3		Sweet Fern		Low	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak		5	Sapling/Pole	4		Witch Hazel		Low	5 - 10 feet	5 - 10 feet
Tamarack		15	Sapling/Pole	3						
Red Maple		2	Sapling/Pole	4						

<b>105</b>	6229 - Mixed Lowland Shrub	None	84.4			No	This is a lowland shrub stand with scattered trees. There is a drain going through the center of the stand. There are inclusions of marshes along the drainage
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<b>106</b>	6121 - Tamarack	Poletimber Well	3.4	61	81-110	N/A	The stand is too wet to harvest. The terrain is hummocky.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Tamarack		85	Pole/Sap/Log	7	61	Tamarack		High	10 - 20 feet	10 - 20 feet
Red Maple		9	Pole/Log/Sap	8						
Black/Red (Hybrid) Oak		6	Pole/Sapling	7						

<b>107</b>	4136 - Aspen, Mixed Conifer	Poletimber Medium	16.0	51	51-80	N/A	The terrain is hummocky. There are some depressions that are heavy to leather leaf and blueberry. The stand looks like it was burned at one time. There are plow lines visible. The timber volume is low and the aspen has poor form. Conifer has been seeding in over the last 10 years. White and red pine are more common west and tamarack and balsam fir east. The crown closure is now closer to 50%.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		45	Pole	8	51	Black/Red (Hybrid) Oak		Medium	5 - 10 feet	5 - 10 feet
Jack Pine		5	Pole	8		Blueberry/Bilberry/Cranberry		High	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak		20	Pole/Sap/Log	5		White Oak		Low	5 - 10 feet	5 - 10 feet
Tamarack		15	Sapling/Pole	4		Cherry (spp.)		Low	5 - 10 feet	5 - 10 feet
Red Maple		11	Pole/Sapling	5		Leatherleaf		Low	< 5 feet	< 5 feet
White Oak		4	Pole/Sapling	5						

<b>108</b>	4131 - Aspen, Oak	Poletimber Well	12.1	56	81-110	N/A	The stand has some crown gaps and oak is regenerating in them. The crown closure ranges from 25% to 100%. If the stand is left untreated it will convert from aspen to oak. The crown closure is closer to 75%.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		50	Pole	8	56	White Oak		Low	10 - 20 feet	10 - 20 feet
Red Maple		10	Pole/Sapling	5		Black/Red (Hybrid) Oak		Medium	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak		35	Pole/Sapling	5		Red Maple		Medium	10 - 20 feet	10 - 20 feet
White Pine		1	Log	12		Serviceberry (Juneberry)		Low	5 - 10 feet	5 - 10 feet
White Oak		4	Pole/Sapling	7						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
110	3302 - Low Density Conifer Trees	None	7.2			No	The ground cover indicates the stand has a high-water table, but it was dry when inventoried. The soil looks like it has standing water in the spring for a short time. The uplands to lowlands is about 50 to 50 mix. The terrain is hummocky. The crown closure is around 20%.																																															
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111	4130 - Aspen	Sapling Well	12.8	29	Immature	N/A	The terrain is hummocky. When the stand was harvested it looks like the oak less than 6" DBH were left and some of the pole size aspen. Some of the oaks are now small log in size.																																															
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112	4132 - Aspen, Jack Pine	Poletimber Medium	30.6	38	51-80	N/A	The stand is variable, and it is a mix of pockets of aspens and pockets of jack pines. There are some openings that are mainly sweet fern and choke cherry.																																															
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113	4131 - Aspen, Oak	Poletimber Well	9.4	29	51-80	N/A	When the stand was harvested the oak less than 4" was retained. The regeneration is good with a crown closure around 85%. white pine has been weevilled, and the jack pine is heavily galled. The percentage of red maple increases going south. The stand is moving into poles.																																															
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114	4131 - Aspen, Oak	Sapling Well	2.9	20	Immature	N/A	The stand was harvested in early 2008 in Trail Blazer Aspen sale number 73-007-06-01. The stand has some open areas, and the crown closure is close to 75% but it is not there yet.																																															
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<b>115</b>	4131 - Aspen, Oak	Poletimber Well	13.6	36	81-110	N/A	The stand has a thick understory of oak. The species mix is somewhat patchy with areas heavy to one species or another.																																																								
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<b>116</b>	6113 - Lowland Maple	Poletimber Poor	18.2	82	51-80	N/A	There is a lot of dead ash in the stand that is coming down. It is likely that it will be a lowland shrub type in 10 years. The soils under the stand are Evert-Winterfield and it is too wet to harvest.																																																								
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<b>117</b>	330 - Low-Density Trees	None	3.8			No	The stand is an area with some scattered oak and choke cherry. Some maple and oaks are seeding in from the edges. The crown closure is still less than 25%																																																								
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<b>118</b>	4130 - Aspen	Sapling Well	7.7	18	Immature	N/A	The stand was harvested in 2008. It has regenerated well. It slopes down toward the Molasses River but does not enter the floodplain. The area along stand 58 has less aspen because of past beaver activity.																																																								
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<b>120</b>	4199 - Other Mixed Upland Deciduous	Poletimber Well	35.6	29	81-110	N/A	This stand had the overstory removed by cutting down all species to 2" DBH, except oaks which were cut to 4" DBH. Currently there is a lot of oak regeneration that has now become established. There is some mortality in the older oak and aspen.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>122</b>	6229 - Mixed Lowland Shrub	None	14.5			No	This stand is on the floodplain of the Molasses River and is mainly tag alder, holly, and grasses. It is on the soil association of Evert-Winterfield. It does have some widely scattered swamp hardwoods, but they make up less than 10 BA.
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<b>123</b>	4131 - Aspen, Oak	Poletimber Well	10.7	36	81-110	N/A	The stand is doing very well. There are some problems with beavers that are clipping the aspen along the edges making them heavier to oak. The crown closure goes from 50 to 100 % with an average around 85%.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	35	Pole/Sapling	7	36	White Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	10	Pole/Sapling	6		Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	35	Pole/Sapling	6	36				
White Oak	10	Pole/Sapling	6					
Red Maple	10	Pole/Sapling	5					

<b>124</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	7.3	55	51-80	N/A	The stand is made up of slight ridges and swales. The swales are wetter. The tamarack is coming up heavy in the understory, especially along the edges. Oak regeneration is more common on the ridge tops. The quaking aspen is way over mature and dying out.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	30	Log/Pole/Sap	14	55	Tamarack	High	10 - 20 feet	10 - 20 feet
White Oak	5	Log/Pole/Sap	12		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Tamarack	40	Pole/Sapling	6	55				
Paper Birch	5	Log/Pole	12					

<b>125</b>	4131 - Aspen, Oak	Poletimber Well	8.7	29	51-80	N/A	The stand was harvested by a 4" clearcut so there is a residual of mainly oak, aspen and some red maple. The stand is on a narrow ridge that drops off steeply into the floodplain of the Molasses River and one of its tributaries. There are logs on the slope going down to the floodplain. There is some beaver activity in the stand, especially along the west side. In the open areas the stand is filling in with oak.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	30	Pole/Sap/Log	6	29	White Pine	Medium	Variable	Variable
Quaking Aspen	20	Pole/Sap/Log	6		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	30	Pole/Sapling	5	29				
White Pine	5	Pole/Sap/Log	6					
Red Pine	5	Pole/Log/Sap	7					
Red Maple	10	Pole/Sapling	5					

<b>126</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	9.3	45	51-80	N/A	The stand is a matrix of lowlands with dryer upland inclusions. There is significant young oak, if the stand is left it will convert to oak.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	35	Pole/Sapling	6	45	Black/Red (Hybrid) Oak	High	5 - 10 feet	5 - 10 feet
White Pine	15	Sapling/Pole	4		Leatherleaf	Low	< 5 feet	< 5 feet
Tamarack	9	Sapling/Pole	4		Deciduous Shrubs	Medium	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	30	Sapling/Pole	3					
White Oak	3	Sapling/Pole	3					
Red Maple	8	Sapling	2					

<b>127</b>	3102 - Grass	None	1.3			Yes	The stand is a wildlife opening
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
<b>128</b>	4125 - Black, N. Pin Oak	Poletimber Well	12.8	51	81-110	N/A	The aspen in the stand is in several clones along the north edge otherwise it is scattered. White pine understory is fairly evenly spread. The stand has many bent stems from past icing and heavy snow events. Oak is filling in where the canopy is open. The terrain is flat.																																																							
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<b>129</b>	4130 - Aspen	Sapling Medium	15.1	11		N/A	The stand was clearcut with retention in the winter of 2015/2016, in sale Partridge Palace, 73-007-13-01. The stand is fully stocked with aspen mixed with some maple and oak. The density is good throughout the stand except for the northeastern end. In the area it is a little lower and wetter and the regeneration is less pronounced.																																																							
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<b>130</b>	4130 - Aspen	Sapling Well	7.6	29	81-110	N/A	The edges of the stand drop off onto the floodplain of the creeks and it is where the log trees are located. There are some areas that are wetter. Also, some of the stems are bent or broken.																																																							
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<b>131</b>	6229 - Mixed Lowland Shrub	None	29.2			No	The stand is heavy to lowland shrubs with scattered pockets of swamp hardwoods, tamaracks, white pines, and spruces. The crown closure is less than 15%. There are also a couple of upland pockets.																																																							
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<b>133</b>	4125 - Black, N. Pin Oak	Poletimber Well	4.2	41	51-80	N/A	The terrain is flat. The aspen is concentrated along the cedar type in the western portion. The oak and white pine understory is fairly evenly distributed. There are many bent and broken stems in the stand from past icing and heavy snow events. The amount of white pine is noticeably more common than in stand 128.																																																							
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<b>134</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	3.4	40	1-50	N/A	The stand is sparse and nearly non-forested. Most of the trees are located near the road. The north end would be classified as a low-density tree stand. The white pine is heavily weevilled.																																																												
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<b>135</b>	4112 - Maple, Beech, Cherry Association Sawtimber Medium	5.3	90	81-110	N/A	This stand was a part of stand 150. However, it is upland, and it is out of the floodplain. Aspen is declining.																																																													
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<b>136</b>	4311 - Pine, Aspen Mix	Sapling Poor	14.7	18	Immature	N/A	The stand is a mix of uplands and lowlands with the majority being uplands. The upland ground cover is heavy to poverty grass, bracken fern and blueberry. There are several aspen clones. The stand continues to seed in with pine and tamarack. The tamarack is concentrated along the south edge.																																																												
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<b>137</b>	6229 - Mixed Lowland Shrub	None	4.7			No	The overstory ash and maple has mostly died out and is now down. The stand is heavy to lowland shrubs with areas of marsh.																																																												
<b>138</b>	4132 - Aspen, Jack Pine	Sapling Well	48.2	24	1-50	N/A	The stand is variable. The crown closure goes from 0-100%. Some of the openings are poverty grass and sweet fern. The jack pines, oaks, and aspens are in a matrix. Therefore, there are areas of pure species and other areas where there is a mix.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**139**      6113 - Lowland Maple      Sawtimber Medium      26.1      98      81-110      N/A      The stand is too wet to harvest, and it has a lot of standing water. The ash is dead and down. Currently the only trees that are left are scattered red maples.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	80	Log/Pole/Sap	12	98	Red Maple	Medium	Variable	Variable
White Oak	1	Pole	8		Black/Red (Hybrid) Oak	Low	Variable	Variable
Quaking Aspen	10	Pole	8		Deciduous Shrubs	Medium	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	4	Pole/Sapling	6		White Pine	Low	Variable	Variable
Paper Birch	5	Pole/Sapling	7		Michigan Holly	Medium	5 - 10 feet	5 - 10 feet

**140**      4131 - Aspen, Oak      Poletimber Well      13.3      45      81-110      N/A      The stand is now poles with a thick under story of oak. The crown closure is around 75% but ranges from 15 to 100%. There are numerous small openings. The quaking aspen has poor form.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	15	Pole	7	45	Black/Red (Hybrid) Oak	High	Variable	Variable
Black/Red (Hybrid) Oak	35	Pole/Sapling	5		Sweet Fern	Medium	< 5 feet	< 5 feet
Quaking Aspen	40	Pole	7	45	Common Blackberry	High	< 5 feet	< 5 feet
Red Pine	1	Sapling/Pole	4		Red Pine	Low	Variable	Variable
White Pine	2	Sapling/Pole	4					
Choke Cherry	2	Sapling/Pole	3					
White Oak	5	Pole/Sapling	5					

**141**      4131 - Aspen, Oak      Poletimber Well      19.5      40      81-110      N/A      It has a thick understory of oak. The quaking aspen has poor form. Some of the jack pines, oaks, and red pines were left when the stand was harvested. This has allowed the seeding in of pines and oaks. The overall crown closure is greater than 75%. However, there are some openings in the eastern end. These areas are less than 1 acre in size.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Pole/Sapling	6	40	Red Pine	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	30	Pole/Sapling	5		White Pine	Low	10 - 20 feet	10 - 20 feet
Red Pine	5	Sapling/Pole	4		Sweet Fern	Low	< 5 feet	< 5 feet
Jack Pine	5	Sapling/Pole/Log	3		Cherry (spp.)	Medium	5 - 10 feet	5 - 10 feet
Pin Cherry	3	Sapling	2		White Oak	Low	Variable	Variable
Quaking Aspen	50	Pole/Sapling	6	40	Black/Red (Hybrid) Oak	Medium	Variable	Variable
White Oak	2	Pole/Sapling	5		Common Blackberry	Low	< 5 feet	< 5 feet

**142**      4131 - Aspen, Oak      Poletimber Well      32.5      37      81-110      N/A      The canopy closure goes from 70 to 100%, with an average around 80%. The pine is concentrated in the western ¼ of the stand. The quaking aspen has poor form. When the stand was harvested some of the 4" DBH trees were left. Many of these are now 7" DBH.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	45	Pole/Sapling	5	37	Sweet Fern	Medium	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	25	Pole/Sapling	5		Red Pine	Low	5 - 10 feet	5 - 10 feet
Jack Pine	10	Pole/Sapling	5		Common Blackberry	High	< 5 feet	< 5 feet
Choke Cherry	2	Sapling	3		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	5 - 10 feet
White Oak	3	Pole/Sapling	5		Jack Pine	Medium	5 - 10 feet	5 - 10 feet
Red Maple	2	Sapling/Pole	4		White Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	3	Sapling/Pole	4					
Quaking Aspen	10	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**143** 4310 - Pine, Oak Mix Sapling Medium 11.3 6 Immature N/A

The stand was harvested under sale 73-007-12-01, Robin's Hood & finished in January 2016. FTP# C73-997 to plant red pine. The stand was planted 05/2018.

Canopy Species	% Cover	Size Class	DBH	Age
Choke Cherry	10	Sapling	1	
Black/Red (Hybrid) Oak	30	Sapling	1	
White Oak	10	Sapling	1	
Red Pine	50	Sapling	1	6

**144** 42221 - Natural Jack Pine, Mixed Deciduous Poletimber Well 13.6 37 81-110 N/A

The jack pine in the stand is heavily galled. There are many that have snapped in the past 10 years. Most of the breaks are at old galls. The aspen is mainly along the edges and there are heavy oak pockets in the jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2	Sapling/Pole	4	
Black/Red (Hybrid) Oak	10	Sapling/Pole	4	
Jack Pine	60	Pole/Sapling	5	37
White Pine	2	Pole/Sapling	7	
Red Pine	2	Pole/Sapling	5	
Bigtooth Aspen	22	Pole/Sapling	5	37

**145** 4310 - Pine, Oak Mix Sapling Medium 9.1 6 Immature N/A

The stand was harvested under sale 73-007-12-01, Robin's Hood & finished in January 2016. FTP# C73-997 to plant red pine. The stand was planted 05/2018.

Canopy Species	% Cover	Size Class	DBH	Age
Choke Cherry	5	Sapling	1	
White Oak	5	Sapling	1	
Red Maple	10	Sapling	1	
Black/Red (Hybrid) Oak	30	Sapling	1	6
Red Pine	50	Sapling	1	6

**146** 4311 - Pine, Aspen Mix Poletimber Well 20.2 29 1-50 N/A

The stand has a light density of super-canopy red pines. There are pockets of jack pine blow down and stem breakage. The stand is mostly uplands but there are pockets of low wet ground, less than 10%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Log	16	100	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	20	Pole/Sapling	5	29	Red Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	10	Sapling/Pole	4		Jack Pine	Low	5 - 10 feet	5 - 10 feet
Jack Pine	50	Sapling/Pole	4	29				
Black/Red (Hybrid) Oak	12	Sapling/Pole	3					
White Pine	1	Pole/Sap/Log	9					
White Oak	1	Sapling	3					
Red Maple	1	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
<b>147</b>	6113 - Lowland Maple	Sawtimber Medium	58.0	100	81-110	N/A	No Name Creek flows through the eastern leg of the stand before it goes into the Molasses River. The ash is dead and down. There are significant crown gaps which are filling in with maple and oaks. The drainage channel and the river are bordered with lowland shrubs. There are significant slopes along the edges of the stand coming up out of the floodplain. The crown closure is around 75%. The soil is too wet to harvest.																																																																
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<b>148</b>	42110 - Planted Red Pine	Poletimber Well	9.5	68	111-140	N/A	The stand was harvested in sale 73-007-12-01, Robin's Hood. It was completed in January 2016. The harvest thinned the red pine by removing 1/3 of the volume. The crowns have space to expand so another thinning is not recommended. The understory is heavy to oak that has been seeding in. The crown closure is closer to 75%.																																																																
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<b>149</b>	6121 - Tamarack	Sapling Medium	28.8	29	1-50	N/A	The aspen is in pockets and ranges from seedlings to poles. The poles have very poor form. The tamarack has been seeding in well. It goes from seedlings to poles. However, when the tamaracks were cored, the average age came out to be 28 years old. The soil under the stand is AuGres-Kinross association. Therefore, it's a mix of uplands and lowlands.																																																																
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<b>150</b>	6113 - Lowland Maple	Sawtimber Medium	18.1	90	51-80	N/A	The stand is on the Molasses River floodplain. The ground is spongy, and it is wet all year round. The trees on the plain are large, and they are very shallow rooted. Many trees have blown down. However, in the gaps some regeneration is becoming established.																																																																
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<b>151</b>	4133 - Aspen, Mixed Pine	Poletimber Well	24.4	40	81-110	N/A	The stand was harvested retaining all conifers and oak greater than 4" DBH. In addition, some oaks were marked to retain for mast. The closed ORV trail is starting to grass in. Currently it is not being used heavily.																																																																
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<b>152</b>	4131 - Aspen, Oak	Sapling Well	23.3	11	Immature	N/A	The stand was Clear-cut in the winter 2015/2016, Robins Hood, 73-007-12-01. The sale was completed in January 2016. Natural regeneration survey was done in June 2018. The stand has a trace of white, red and jack pine. The crown closure is closer to 80%. Most of the open areas are along the road and at the east end. The maple regeneration in the stand is in pockets. When the stand was clearcut a 0.9-acre retention pocket was put in. The pines in the stand are mainly in the west 1/2 of the stand. The understory is thick, and it is a mix of oak and white pine. There is a history of wildfire in the stand because there are numerous old plow lines.																																													
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<b>153</b>	6229 - Mixed Lowland Shrub	None	28.2			No	This is mainly lowland shrubs with pockets of marsh grass and trees along the perimeter.																																													
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<b>154</b>	6121 - Tamarack	Poletimber Well	3.1	48	81-110	N/A	This stand was a cedar harvest that has regenerated to tamarack. There are a lot of down tamaracks. The stand is just muddy at the current time. However, it appears to have standing water most of the year.																																													
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<b>155</b>	6119 - Mixed Lowland Deciduous Forest	Sapling Well	6.0	29	1-50	N/A	This stand is an upland knob that looks like it was habitat cut.																																													
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<b>156</b>	629 - Mixed non-forested Wetland	None	21.7			No	This is an area of lowland shrubs on the Molasses River floodplain. The edges of the floodplain are boarder by steep slopes.																																													



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<b>158</b>	4130 - Aspen	Poletimber Well	13.7	45	81-110	N/A	Stand 153 which is a drainage that flows into the Molasses River bisect the stand. The upland area in the stand could be harvested or held for 10 years.																																														
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<b>159</b>	3102 - Grass	None	16.4			Yes	The stand was cut in 1985 and failed to regenerate because of deer browse. The area was burned in 1995 for blueberry production. The stand was later converted into a maintained opening. There are scattered oaks.																																														
<b>160</b>	4131 - Aspen, Oak	Poletimber Medium	18.0	43	51-80	N/A	The stand has numerous crown gaps some are fairly large. The crown closure is around 65%. Openings are heavy to cherry. Canopy gaps are seeding in with oaks. Hold the stand for 10 years then cut out aspen and convert to oaks.																																														
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<b>161</b>	4130 - Aspen	Sapling Well	18.3	10	Immature	N/A	SThe stand has a narrow red pine inclusion at the west end. It was harvested as a final harvest retaining all conifer, birch, and green marked trees. The cut was completed in the winter 2015/2016. The sale was Robins Hood, 73-007-12-01. The stand meets regeneration requirements for aspen with oak when the regeneration survey was conducted on June 30th of 2025. The aspen is dominant, and the oak regeneration is not established. There is evidence of deer browse on the oak and maple.																																														
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<b>162</b>	629 - Mixed non-forested Wetland	None	9.2			No	This is an old beaver flooding that has started to fill in with lowland shrubs. There are openings of wet meadows and marshes.																																														
<b>163</b>	6220 - Alder/Willow	None	14.5			No	There is a creek that flows through the center of the stand. Its floodplain is thick with lowland shrubs. There are scattered swamp hardwoods and tamaracks mainly along the edges.																																														
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<b>164</b>	4131 - Aspen, Oak	Sapling Well	34.5	11	Immature	N/A	The stand was clear-cut in the winter 2015/2016, Robins Hood, 73-007-12-01. The sale was completed in January 2016. Natural regeneration survey was done in June 2018. The stand has a trace of white, red and jack pine. The crown closure is closer to 80%. Most of the open areas are along the road and at the east end. The maple regeneration in the stand is in pockets. The pines in the stand are mainly in the west 1/2 of the stand. The understory is thick, and it is a mix of oak and white pine. There is a history of wildfire in the stand because there are numerous old plow lines.	
Canopy Species		% Cover	Size Class	DBH	Age			
Quaking Aspen		25	Sapling	1	11			
Bigtooth Aspen		30	Sapling	1	11			
Black/Red (Hybrid) Oak		20	Sapling	1				
White Pine		2	Sapling	1				
White Oak		8	Sapling	1				
Jack Pine		15	Sapling	1				
<b>165</b>	6121 - Tamarack	Poletimber Well	3.8	60	81-110	N/A	The soil is very wet and mucky even after a dry summer. The balsam firs, spruces, and cedars are concentrated in the eastern portion of the stand and tamaracks in the western area.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		20	Log/Pole	10		Sub-Canopy Species		
Balsam Fir		5	Pole	8		Density		Avg. Height
Black Spruce		20	Pole	7	60	Medium		5 - 10 feet
Northern White Cedar		5	Pole	8		Low		10 - 20 feet
Tamarack		50	Pole/Log	9	60	Low		10 - 20 feet
						Medium		>20 feet
<b>166</b>	6229 - Mixed Lowland Shrub	None	6.4			No	This is a low wet swale that is mainly lowland shrubs with scattered swamp hardwoods. The maples are mostly concentrated at the southern end.	
<b>167</b>	330 - Low-Density Trees	None	20.8			No	The stand has a patchy crown closure. The pockets of trees are heavy to oaks, aspens, and maples. There appears to be a history of wildfires in the stand because of the existence of multiple old plow lines.	
Sub-Canopy Species		Density	Avg. Height	Size				
Blueberry/Bilberry/Cranberry		High	< 5 feet	< 5 feet				
Cherry (spp.)		Low	5 - 10 feet	5 - 10 feet				
Quaking Aspen		Low	>20 feet	>20 feet				
Bigtooth Aspen		Low	>20 feet	>20 feet				
Common Blackberry		High	< 5 feet	< 5 feet				
Black/Red (Hybrid) Oak		Low	>20 feet	>20 feet				
<b>169</b>	4131 - Aspen, Oak	Sapling Well	28.7	24	Immature	N/A	The regeneration is good overall. There are some pockets of open crowns. The crown closure averages 85%. The regeneration is patchy with pockets heavy to aspen, oak, or jack pine.	
Canopy Species		% Cover	Size Class	DBH	Age			
Bigtooth Aspen		35	Sapling/Pole	3	24	Sub-Canopy Species		
Black/Red (Hybrid) Oak		25	Sapling/Pole	3		Density		Avg. Height
Jack Pine		14	Sapling	3		Medium		< 5 feet
White Oak		2	Sapling/Pole	3		High		< 5 feet
Quaking Aspen		20	Sapling/Pole	3		High		< 5 feet
Red Maple		4	Sapling	3		High		< 5 feet



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<b>170</b>	4130 - Aspen	Sapling Well	4.1	37	51-80	N/A	The quaking aspen is off site and has a poor form. The pines are concentrated in the south end of the stand.																																																																																	
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<b>171</b>	4130 - Aspen	Poletimber Well	15.9	38	51-80	N/A	The crown closure is closer to 75%. White pines are common in the understory throughout the stand and red maples are located along the L-types. Also, along with the L-types the crown closure is lower than average for the stand. The terrain is generally flat. Overall, the stand is moving nicely into poles.																																																																																	
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<b>172</b>	4131 - Aspen, Oak	Poletimber Well	30.3	56	51-80	N/A	The terrain is undulating. There are a lot of pole oaks in the stand. Most appear to be lower quality hybrid oaks. Oak is heavy along the river floodplain.																																																																																	
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<b>173</b>	3301 - Low Density Deciduous Trees	None	2.1			No	The stand crown closure makes the stand a low-density tree. The ground cover is mainly sweet fern and poverty grass with pockets of reindeer moss.																																																																																	
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<b>174</b>	6229 - Mixed Lowland Shrub	None	5.1			No	This stand is mainly a tag alder and dogwood drain that flows into the Molasses River.																																																																																	



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<b>175</b>	4125 - Black, N. Pin Oak	Sapling Well	16.3	10	Immature	N/A	The stand was clearcut in the winter 2015/2016, Robins Hood, 73-007-12-01. Much of the oak in the stand is still not established. The aspens are heavy along the east side and oaks through the center. The crown closure is around 65%. There are still some areas that are open.																																																															
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<b>176</b>	6233 - Wet Meadow	None	1.7			No	This was a beaver flooding that is no longer holding water. The stand is now more of a grassy marsh. The creek still flows through the stand, but the dam now has a major breach.																																																															
<b>177</b>	6220 - Alder/Willow	None	39.2			No	The stand was an old beaver flooding that had dried out. The willow and dogwood appear to be dying back, and trees are starting to seed in. Tamarack is the main species moving into the stand. There are some upland areas that are mainly islands that are heavy to white pines, maples and oaks.																																																															
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<b>178</b>	42220 - Natural Jack Pine	Poletimber Well	5.1	43	81-110	N/A	The trees in the stand are short, not much taller than 3 sticks. The jack pines are heavily galled, and the white pines appear to have some weevil problems. There is a lot of stem breakage and some windthrow.																																																															
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<b>179</b>	6121 - Tamarack	Poletimber Well	5.3	54	81-110	N/A	The tamarack is heavier to the east of Center Fireline. Also, that is where most of the wet ground is located.																																																															
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<b>180</b>	6121 - Tamarack	Sapling Poor	6.1	54	1-50	N/A	The stand is barely a forested stand. It is very wet and very close to being a lowland shrub type. The stand has a lot of standing water in it and the site indexes are very low. Crown closure is around 25%.																																																															
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<b>181</b>	6121 - Tamarack	Poletimber Medium	39.7	55	81-110	N/A	The stand is mainly wet but there are several narrow ridges. There is some mortality in the pole size tamarack. Crown closure is around 65%.																																																			
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<b>182</b>	6113 - Lowland Maple	Poletimber Medium	8.6	48	1-50	N/A	The stand is low and wet with lots of standing water. The pole size overstory is coming down and being replaced by saplings. Crown closure is now around 50%.																																																			
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<b>183</b>	6112 - Lowland Aspen	Poletimber Well	8.2	46	81-110	N/A	The stand grades from marginally upland north to lowland aspens south. The stand is dry enough to manage but there are a couple broad base drains in the stand. There are also a couple of E3 pockets along the south edge.																																																			
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<b>184</b>	4136 - Aspen, Mixed Conifer	Poletimber Medium	9.4	36	1-50	N/A	The crown closure ranges from 0-70%. However, the crown closure averages around 50%. There are pockets of leather leaf along the west side and pockets of lowland shrubs along the east side of the stand.																																																			
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<b>185</b>	6220 - Alder/Willow	None	54.2			No	This is a large area of lowland shrubs with some scattered trees. The trees are denser on the west side of the road.																																																			
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<b>186</b>	6113 - Lowland Maple	Sapling Medium	71.2	39	1-50	N/A	Even after a dry summer areas are still wet and have standing water. It goes from E3 to lowland shrubs from north to south. The tamarack density increases going to the east. There are a few upland ridges in the stand, but they are scattered and make up less than 15% of the area. Maple has filled in well.																																																												
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<b>187</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	29.8	49	51-80	N/A	The stand is variable going from uplands to lowlands and it goes from lowland shrubs to swamp hardwoods to tamaracks. The terrain is hummocky. Even after a dry summer there are areas that are muddy.																																																												
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<b>188</b>	6121 - Tamarack	Sapling Medium	46.7	29	1-50	N/A	The terrain is hummocky, and the tamarack is seeding in well. The average age of the tamarack is 28 years old. The size ranges from seedlings to poles. The black spruce is mainly at the south end. Michigan holly gets dense toward the north end. The soil is AuGres-Kinross so it is a mixture of uplands and lowlands. Crown closure is just 50%.																																																												
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<b>189</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	28.8	55	1-50	N/A	It is hard to tell if this site is uplands or lowlands, because the soils are about a 50-50 mix. The crown closure goes from 100 to 15% with an average of around 55%.																																																												
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<b>190</b>	4131 - Aspen, Oak	Poletimber Well	26.5	45	81-110	N/A	The crown closure is variable going from 50-100%. The terrain is generally flat. There is a vein through the center that is heavy to oak and white pine.																																																												
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<b>192</b>	4130 - Aspen	Poletimber Well	15.2	50	81-110	N/A	The stand has pockets of white pines in the understory. There are also a few low areas and drainages at the north end.																																																																								
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<b>193</b>	6112 - Lowland Aspen	Sapling Medium	23.3	34	51-80	N/A	The stand is a matrix of lowland shrubs and white pine/aspens/tamarack. It is hard to pick out the different types off imagery. Currently the stand is fairly dry, but the soil is Roscommon-Tawas so it is typically too wet to manage.																																																																								
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Dogwood (spp.)	High	5 - 10 feet	5 - 10 feet																																																																												
Willow spp.	Medium	5 - 10 feet	5 - 10 feet																																																																												
<b>194</b>	629 - Mixed non-forested Wetland	None	6.9			No	This is the portion of an old beaver flooding that is no longer holding water. The stand is a mixture of lowland shrubs and wet herbaceous.																																																																								
<b>195</b>	4139 - Aspen, Mixed Deciduous	Sapling Medium	3.1	14	Immature	N/A	The stand was harvested in the summer of 2012. It has started to regenerate but much of the oak regeneration is less than 4' tall. The regeneration overall is somewhat patchy. Trees have grown and the crown closure is now around 55%. Some pine is seeding in.																																																																								
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<b>196</b>	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	39.0	7	Immature	N/A	The harvest is a final harvest sale 73-007-12-01, Robin's Hood. The sale retained all conifer, birch, and green marked trees. The sale was completed in January 2016. There are several vernal ponds in the stand that are just muddy at the current time. The regeneration is mixed. The lowest and wettest areas did not regenerate. The moderately wet areas are poor to medium stocked. The dry to slightly wet areas are fully stocked. This is especially true along the north edge. The crown closure is between 15 and 25%. If the trees can get above deer browse it will be a poorly to moderately well stocked stand.																																																																								
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<b>197</b>	6220 - Alder/Willow	None	2.4			No	The stand is a depression that is mainly lowland shrubs with some scattered maple and tamarack.																																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>198</b>	6220 - Alder/Willow	None	1.0			No	The stand is in a depression that is heavy to willow and alder. There are a few tamaracks but at a low density. The swamp hardwoods are mainly concentrated along the perimeter.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Alder	Full	5 - 10 feet	5 - 10 feet
Willow spp.	Full	5 - 10 feet	5 - 10 feet								

<b>199</b>	6129 - Mixed Coniferous Lowland Forest	Sapling Well	6.8	45	81-110	N/A	The tamarack is seeding into the stand and some of it has porky damage. The terrain is hummocky. The red and jack pines are mainly in pockets. Tamarack is heavy in the west, red pine in the east, jack pine in the center.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	5	Pole/Sapling	6	45
								Black/Red (Hybrid) Oak	8	Sapling/Pole	4	
								Tamarack	45	Pole/Sapling	6	45
								White Pine	10	Pole/Sap/Log	5	
								Jack Pine	30	Pole/Sapling	5	45
White Oak	2	Sapling/Pole	4									
Sub-Canopy Species	Density	Avg. Height	Size									
Blueberry/Bilberry/Cranberry	Medium	< 5 feet	< 5 feet									
Alder	Low	5 - 10 feet	5 - 10 feet									
Deciduous Shrubs	Medium	< 5 feet	< 5 feet									
White Pine	Low	5 - 10 feet	5 - 10 feet									
Tamarack	Low	5 - 10 feet	5 - 10 feet									

<b>200</b>	4131 - Aspen, Oak	Poletimber Well	23.6	56	81-110	N/A	The stand is hummocky and most of it is just poles. It could be harvested. However, the amount lowlands to uplands are close to 50-50.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	10	Pole/Sapling	5	
								Quaking Aspen	40	Pole/Sapling	7	56
								Black/Red (Hybrid) Oak	35	Pole/Sap/Log	9	56
								Tamarack	5	Pole/Sapling	5	
								White Pine	5	Pole/Log/Sap	8	
White Oak	5	Pole/Sapling	7									
Sub-Canopy Species	Density	Avg. Height	Size									
Red Maple	Medium	10 - 20 feet	10 - 20 feet									
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet									
White Pine	Medium	10 - 20 feet	10 - 20 feet									
Alder	Low	5 - 10 feet	5 - 10 feet									
Tamarack	Low	10 - 20 feet	10 - 20 feet									

<b>201</b>	4130 - Aspen	Sapling Well	42.9	4	Immature	N/A	The stand was harvested in 04/2022 in Sterling Powerline sale 73-001-18. The stand has regenerated well to aspen. The crown closure is around 80%.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	5	Sapling	1	
								Black/Red (Hybrid) Oak	15	Sapling	1	
								Quaking Aspen	25	Sapling	1	3
Bigtooth Aspen	55	Sapling	1	4								

<b>202</b>	4125 - Black, N. Pin Oak	Sapling Well	20.6	25	1-50	N/A	When the stand was harvested 4" trees were left. The regeneration is a mixture of stump sprouts, root suckers, and seed source. Overall, the regeneration is patchy so there are large open areas in the stand. The crown closure is around 85%.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Oak	10	Sapling/Pole	4	
								Choke Cherry	2	Sapling	2	
								Black/Red (Hybrid) Oak	80	Sapling/Pole	3	25
								Quaking Aspen	5	Sapling	2	
Red Maple	3	Sapling	2									
Sub-Canopy Species	Density	Avg. Height	Size									
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet									
Sweet Fern	Low	< 5 feet	< 5 feet									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
203	3102 - Grass	None	27.4			No	This stand is a 100' ROW and is maintained by Consumer's Power. The stand is mostly uplands and goes through the compartment. There are some inclusions of low wet ground, but they are a minor component of the stand. There are some areas where the powerline is used as a road and in those areas, there is exposed soil.
204	2113 - Forage Crops	None	3.3			Yes	Wildlife Division managed opening.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
205	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	12.4	55	1-50	N/A	The stand is a matrix of forested and non-forested. The non-forested stands are made up of both uplands and lowlands. The uplands are blueberry, and lowlands are alder and holly. Oak is seeding in as well as tamarack.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	40	Pole/Sap/Log	7	55	Red Maple	Medium	10 - 20 feet	10 - 20 feet
Tamarack	25	Pole/Sapling	6		Michigan Holly	High	5 - 10 feet	5 - 10 feet
White Pine	5	Sapling/Pole	4		Alder	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	25	Pole	8		Blueberry/Bilberry/Cranberry	High	< 5 feet	< 5 feet