



# Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73005

Entry Year 2026

Acreage: 3,666

County Clare

Management Area: High Sand Plains

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**Stand Examiner:** Colton Behrmann

## Legal Description:

T20N – R4W Sections 19, 20, 28 - 33. T20N - R05W Sections 24, 25 & 26.

## Identified Planning Goals:

Follow guidelines set forth in the Regional State Forest Management Plan for the Upper Muskegon Management Area. Monitor and address forest health concerns and issues, balance timber age classes, manage for forest sustainability, provide wildlife habitat and provide forest based recreation. Protect archeological concerns, protect threaten and endangered species.

## Soil and topography:

The area varies from well drained soils in the outwash plains to poorly drained mucky soil as you enter the Floodwood Creek flood plain. The terrain also varies from nearly level to steep. Much of the compartment is flat with rolling hills. The steepest terrain is located in sections 19 and 24. The major soil types are Graycalm-Montcalm associations and Grayling sands associations.

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

Private holdings are mostly comprised of large forested single holdings with absentee landowners. There are numerous permanent residences scattered through out the entire compartment as well. Many new hunting cabins have been built within the last 10 years and some of the larger blocks of private are now being broken into smaller parcels. There are two subdivisions within the compartment that are directly adjacent to state land. Buck Trails Subdivision is located in section 25, NE ¼ - Airport Forest Subdivision is located in section 33, SW ¼ & south of section 32.

## Unique Natural Features:

This area has a variety of rare species that could be or are present including; red shouldered hawk, eastern box turtle, goshawk, eagle, great blue heron, wood turtle, eastern massasauga, kirtland's warbler and blanding's turtle.

## Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

## Special Management Designations or Considerations:

Continue to manage aspen, oak, red pine and jack pine stands to maintain a variety of age classes to enhance deer and grouse habitat. The state land in this compartment is spread out over 11 sections. The state land is spread out in large contiguous blocks with private lands intermixed resulting in miles of private property lines. Overall the compartment is on average to above average ground with site indices between 55 and 75. There are numerous old railroad grades criss-crossing the area, remnants from the white pine logging era.

## Watershed and Fisheries Considerations:

Haskel Lake is located in the north west corner of the compartment. A major forested drainage system is associated with the lake. Floodwood Creek bi-sects sections 25, 31 and 36. There is a wide corridor of associated wet lands in the creek bottom lands. Most of the creek bottomlands are seasonally flooded. Beaver are active in both the Haskel Lake Drainage System and the Floodwood Creek Corridor. There are also many scattered low areas that are seasonally flooded and support populations of waterfowl, great blue herons and many non-game species.

## Wildlife Habitat Considerations:

Upland systems are dominant in this compartment, making it suitable for a number of early forest successional wildlife species. Stands of aspen and oak are prevalent, although, there are lowland cover types and coniferous stands present. Species such as ruffed grouse, white-tailed deer and american woodcock are quite common. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the lowlands as corridors as well as year-round habitat. Other game species likely to be present in this compartment include black bear, bobcat, raccoon, coyote, wild turkey and snowshoe hare. 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, red-eyed vireo, white-throated sparrow, hermit thrush and red-breasted nuthatch. The compartment is easily accessible to hunters via Old State Ave. and Harrison Ave.

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

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift are the Jurassic Red Beds and the Pennsylvanian Saginaw and Grand River Formations. The Saginaw Formation is used for clay/shale in other areas of the State. Sand pits are located in Sections 32 and 33 and gravel potential is good on the uplands. Cranberry Lake Field is located to the west of the Compartment and part of Section 24 is leased for gas storage. Most of the compartment in T20N-R04W is leased for oil and gas at this time.

## **Vehicle Access:**

Access to most of the compartment is good via the county road system and state two tracks that are in place. For forest management purposes all state land is accessible.

## **Survey Needs:**

None needed.

## **Recreational Facilities and Opportunities:**

The Fur Farm #7 snowmobile trail transverses the center of the compartment. All stumps within 20 feet of the trail shall be Flush-Cut to ensure stumps do not result in unsafe conditions. All orange snowmobile sign posts shall be protected. Assure warning signs area placed on the trail regarding logging activity. No stacking of timber along the trail. If the trail must be used for hauling, it must be maintained and restored to a condition equal to or better than before the sale prior to December 1. Winter harvest of the trail will be discouraged from December 1 to March 31. If the trail is to be used as hauling due to wet conditions during the snowmobile season a snow bed must be preserved and maintained. Other dispersed recreation activities are common throughout the compartment. Activities are most evident in the northeast region along Haskell Lake. Utilize timber management activities to balance resource protection by closing illegal trails. The area receives moderate hunting pressure most of which is deer hunters. Light fishing occurs on Haskel Lake. There is an unofficial beech at the north end of the lake. Moderate dispersed camping occurs mainly during the firearm deer hunting season.

## **Fire Protection:**

Development of the private property will increase the wild land /urban interface problem.

## **Additional Compartment Information:**

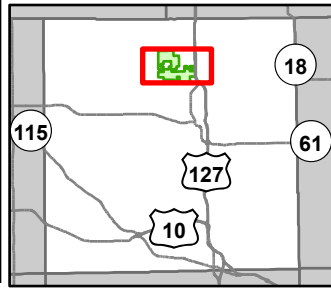
### **The following reports from the Inventory are attached:**

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

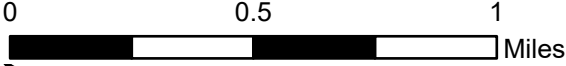
### **The following information is displayed, where pertinent, on the attached compartment maps:**

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

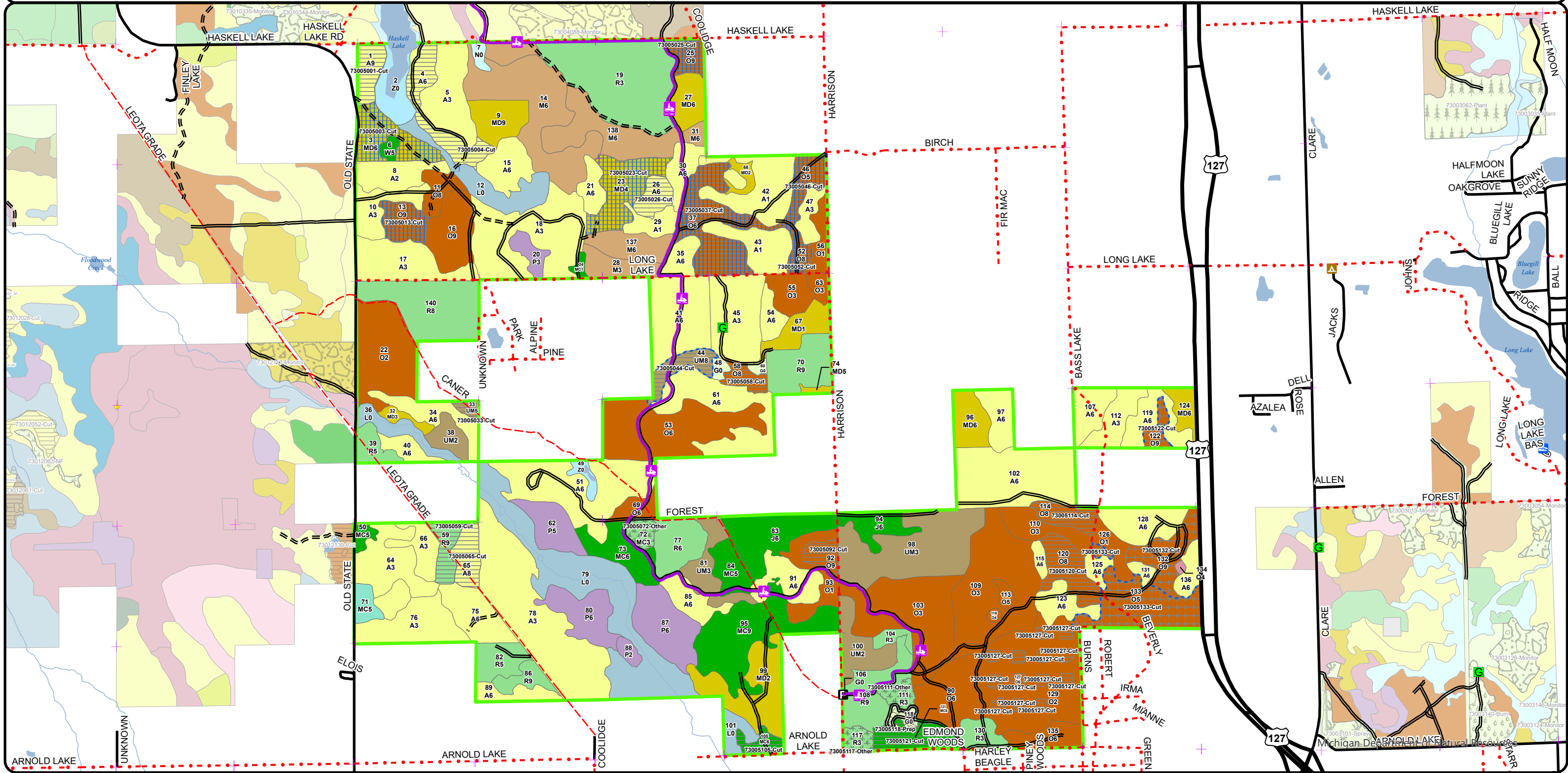
Cover Type & Treatments Map



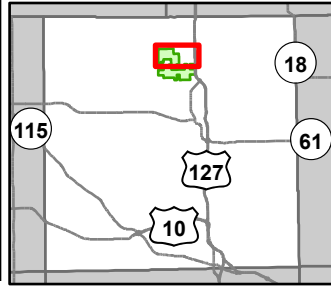
Compartment: 73005  
 T20N, R4W, Sec: 18, 19, 28-33  
 County: Clare  
 Unit: Gladwin  
 Mgmt Area: High Sand Plains  
 YOE: 2026  
 Acres: 3665.6 GIS Calculated  
 Examiner: Colton Behrmann  
 Map Revised: 6/6/2024  
 Map Phase: Web Post



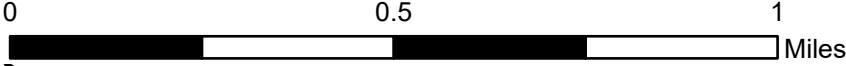
- |                              |                                       |                                 |                              |                                 |
|------------------------------|---------------------------------------|---------------------------------|------------------------------|---------------------------------|
| Gate                         | Designated Snowmobile Trails          | Lake/Pond                       | Seed Tree (w/Reserves)       | 430 - Upland Mixed Forest       |
| Boating Access Site          | DNR - Primary Forest Road             | Perennial River                 | Site Prep                    | 611 - Lowland Deciduous Forest  |
| Culvert                      | DNR - Secondary Forest Road           | Lakes and Rivers                | 411 - Northern Hardwood      | 612 - Lowland Coniferous Forest |
| Campground                   | DNR - Forest Access Route             | Compartment Boundary            | 412 - Oak Types              | 310 - Herbaceous Openland       |
| Parking Lot                  | Federal / State Highway               | Counties                        | 413 - Aspen Types            | 500 - Water                     |
| Survey Grade Corners         | Federal / State / County - Paved Road | Treatments with Site Conditions | 419 - Mixed Upland Deciduous | 622 - Lowland Shrub             |
| Remonumented Section Corners | County - Gravel Road                  | Other Treatment - See Comments  | 421 - Planted Pines          | 623 - Emergent Wetland          |
| Snowmobile Trails            | County - Dirt Road (Seasonal)         | Clearcut (w/Reserves)           | 422 - Natural Pines          |                                 |
|                              |                                       | Harvest, Overstory Removal      | 429 - Mixed Upland Conifers  |                                 |



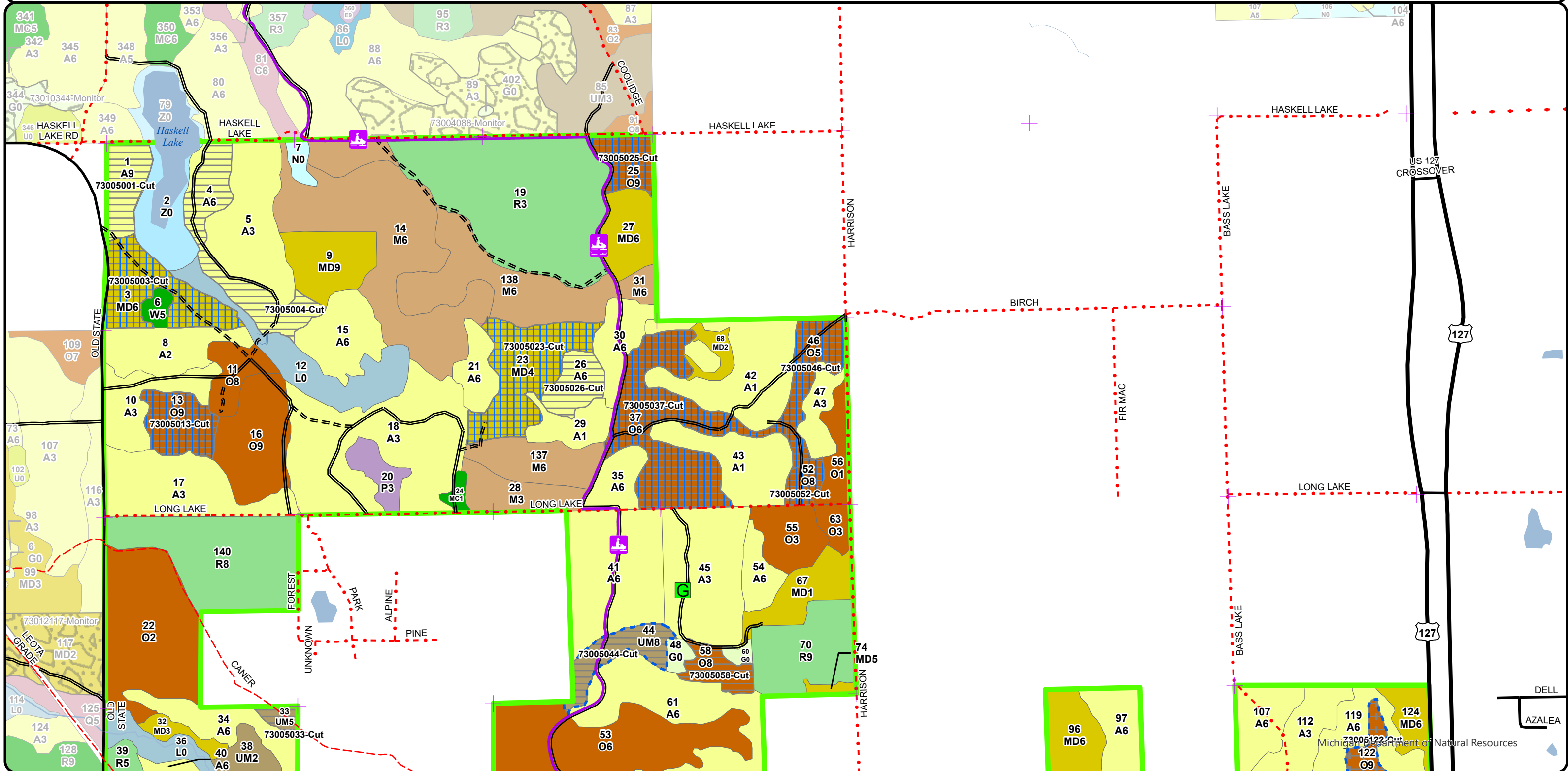
Cover Type & Treatments Map



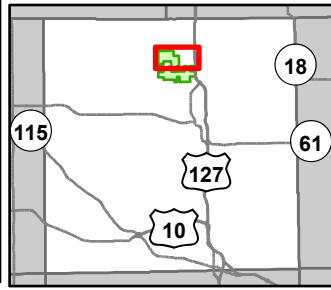
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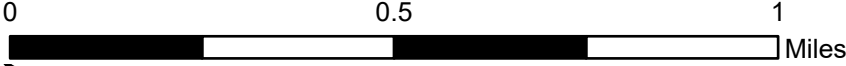
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| Gate                         | Federal / State / County - Paved Road | Treatments with Site Conditions | 422 - Natural Pines            |
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| Remonumented Section Corners | County - Dirt Road (Seasonal)         | Harvest, Overstory Removal      | 611 - Lowland Deciduous Forest |
| Snowmobile Trails            | Intermittent Stream                   | Seed Tree (w/Reserves)          | 310 - Herbaceous Openland      |
| Designated Snowmobile Trails | Lake/Pond                             | 411 - Northern Hardwood         | 500 - Water                    |
| DNR - Secondary Forest Road  | Perennial River                       | 412 - Oak Types                 | 622 - Lowland Shrub            |
| DNR - Forest Access Route    | Lakes and Rivers                      | 413 - Aspen Types               | 623 - Emergent Wetland         |
| Federal / State Highway      | Compartment Boundary                  | 419 - Mixed Upland Deciduous    |                                |
|                              | Counties                              | 421 - Planted Pines             |                                |



Stand Boundary Map

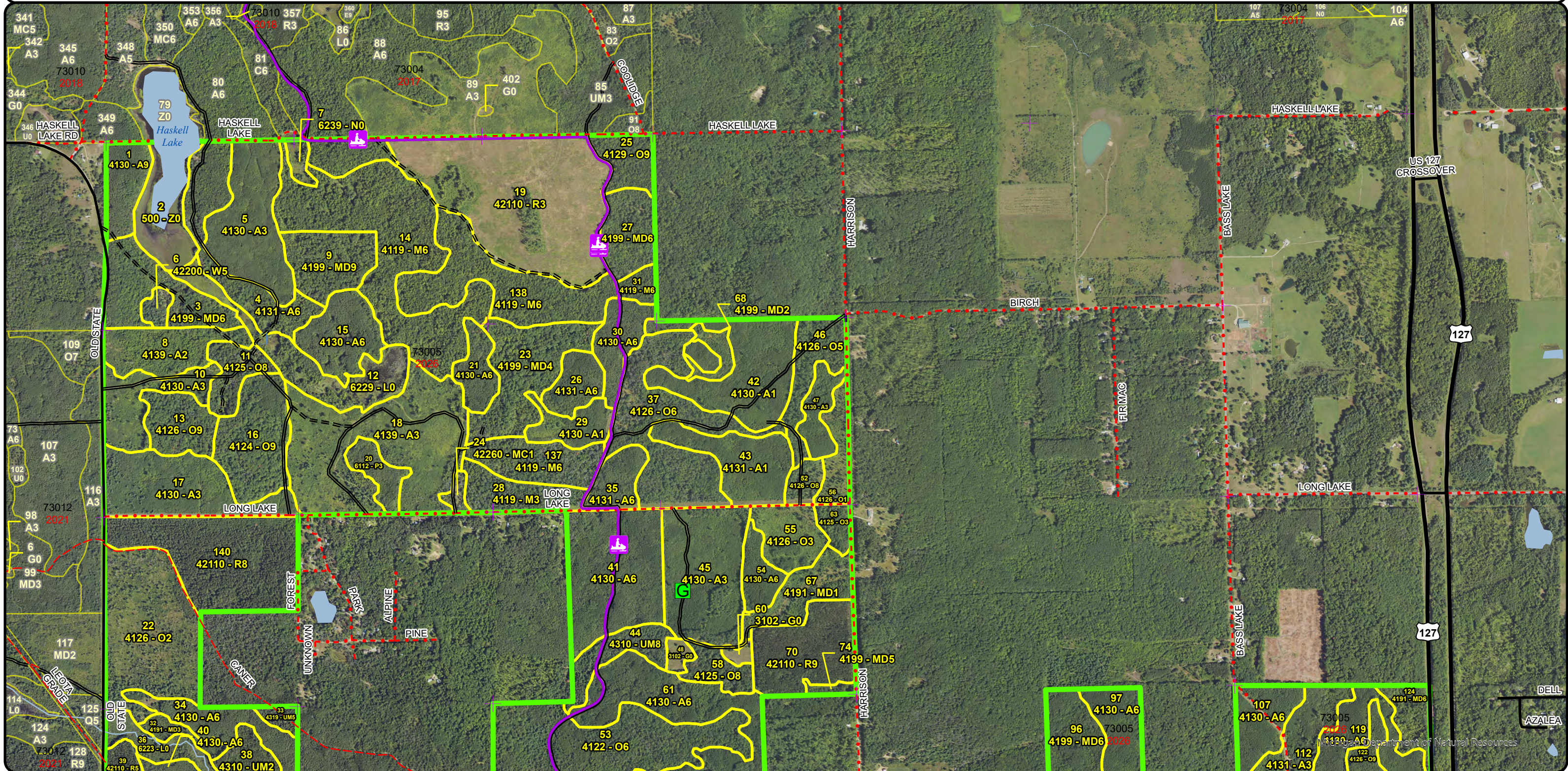


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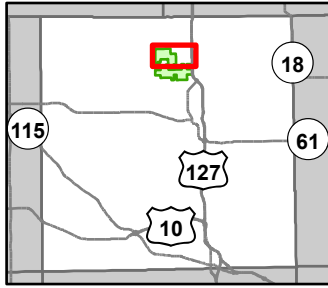
- Gate
- Culvert
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary

- Counties
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**Special Conservation Areas  
& Site Conditions Map**

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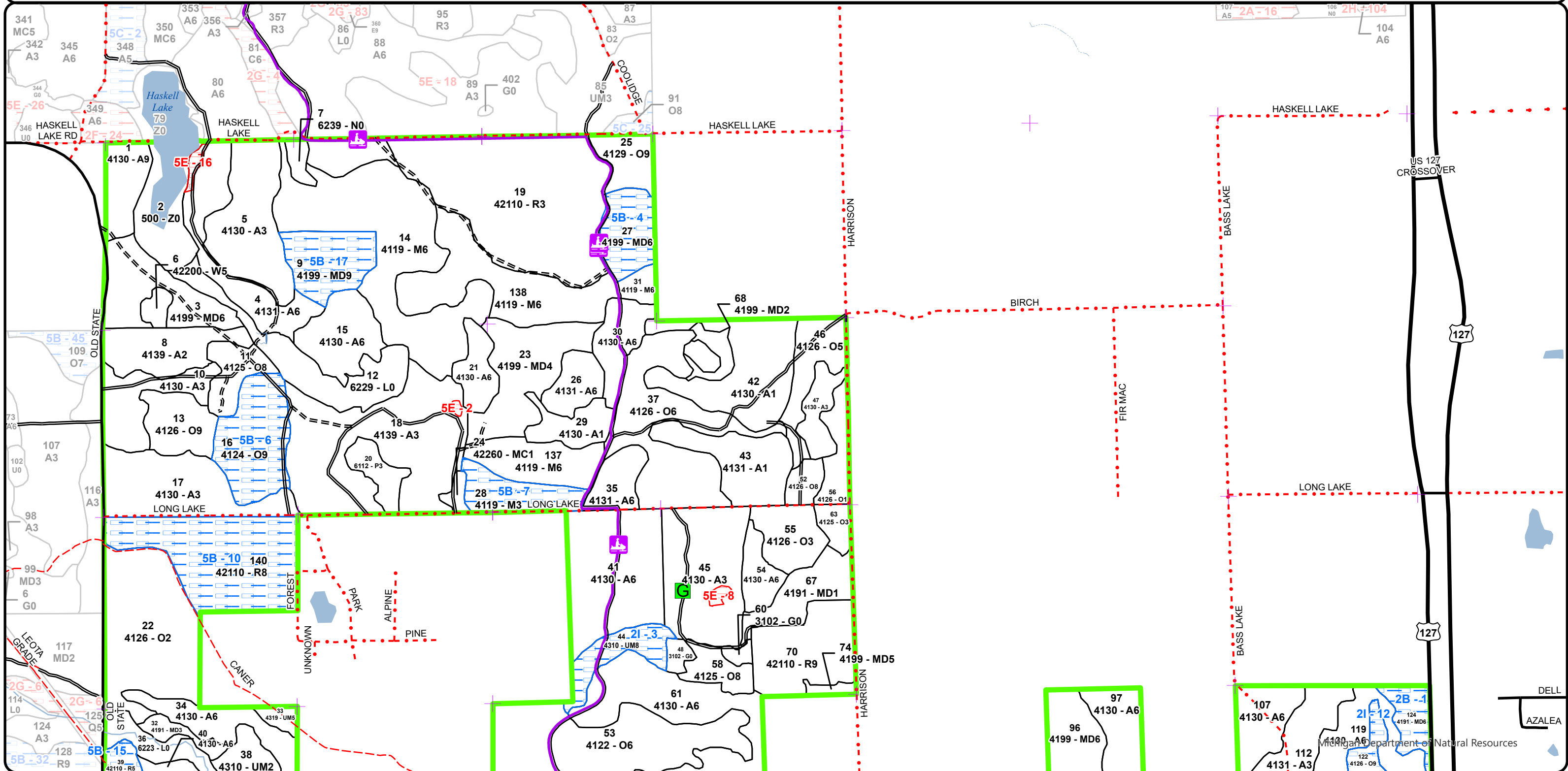


- Gate
- Culvert
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road

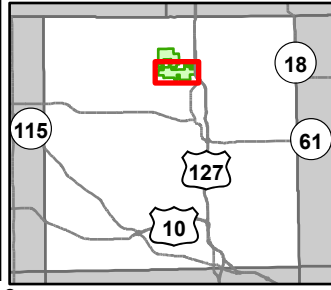
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- Lake/Pond
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- Compartment Boundary
- Counties
- Available w/ Constraints

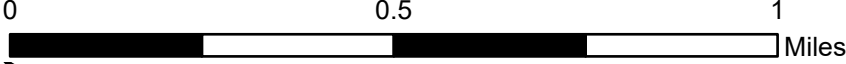
- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5E: Long-Term Retention
- Stand Boundaries



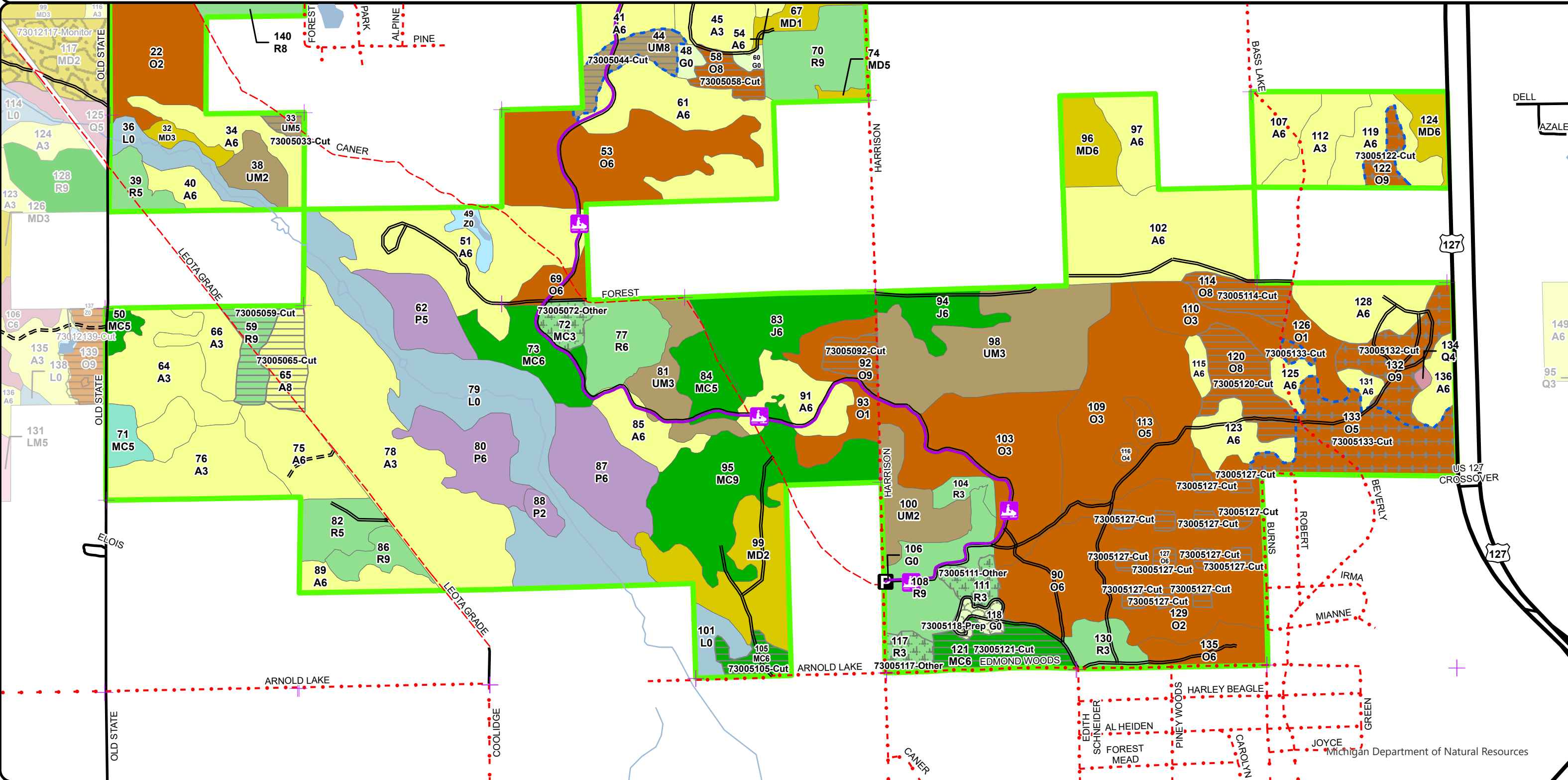
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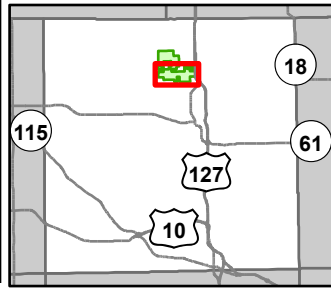
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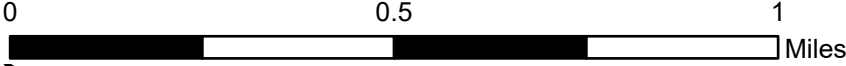
- |                              |                                       |                                |                                 |
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Stand Boundary Map

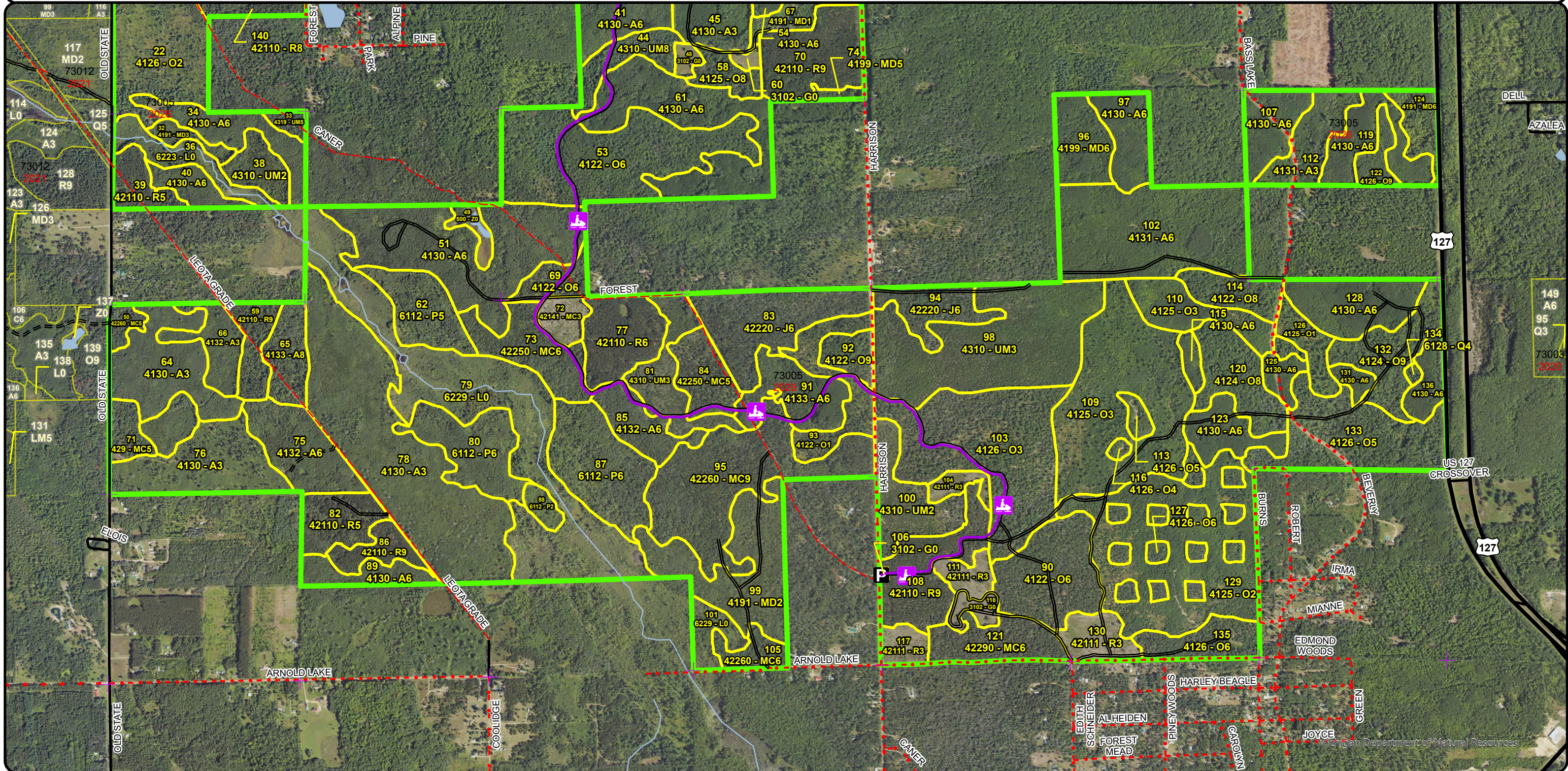


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- Gate
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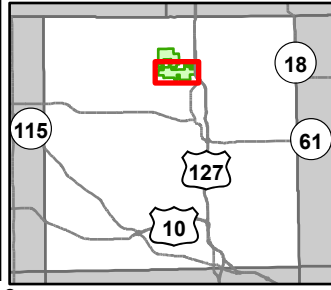


149  
A6  
95  
Q3  
73005  
2026



**Special Conservation Areas & Site Conditions Map**

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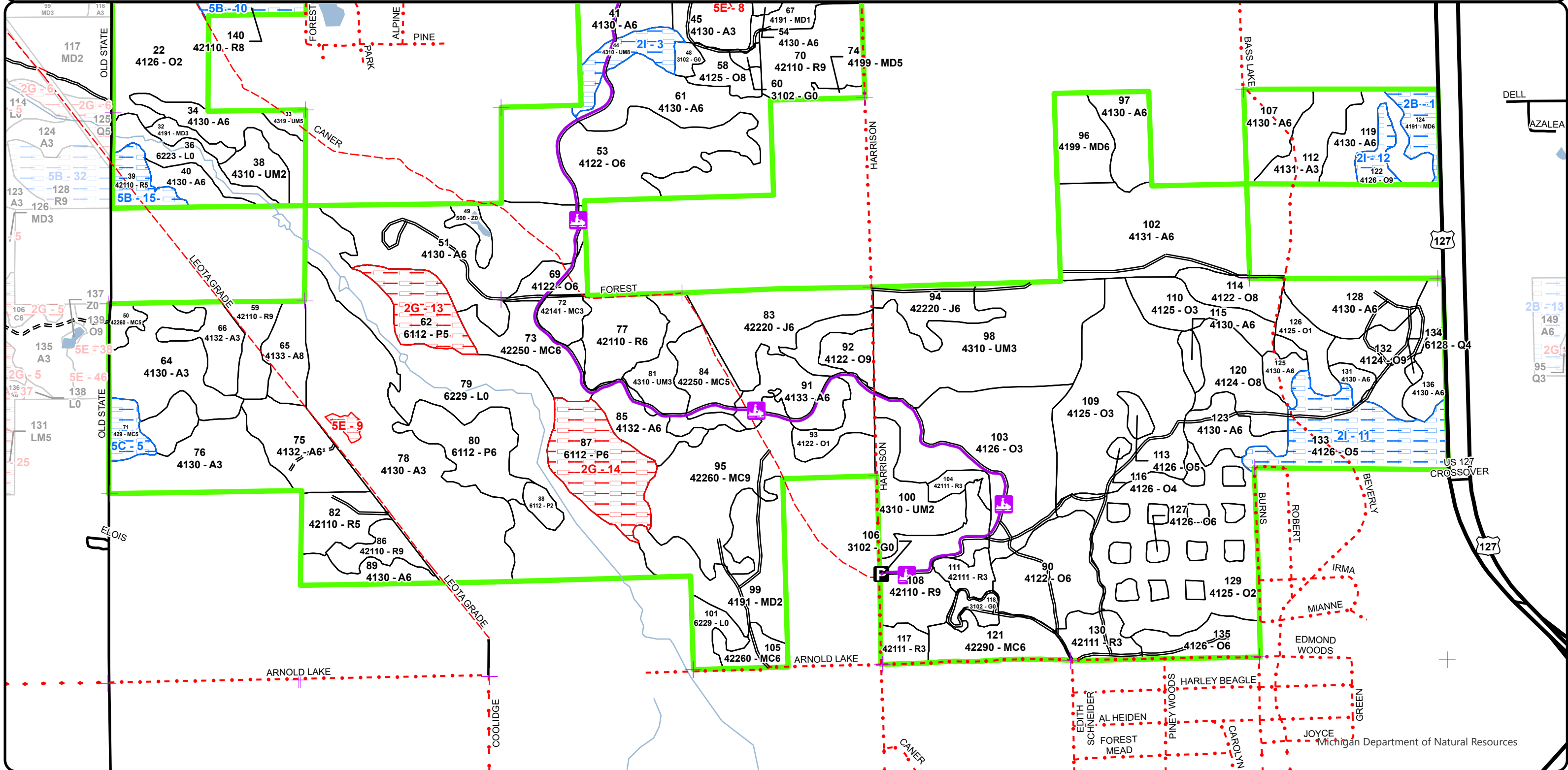


0 0.5 1 Miles

- Gate
- P Parking Lot
- ⊕ Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
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- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties
- Available w/ Constraints

- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries



# Report 1 – Total Acres by Cover Type and Age Class

Gladwin Mgt. Unit

Compartment 5

Year of Entry 2026

Colton Behrmann : Examiner



## Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	144	403	129	505	49	33	0	0	0	0	0	0	0	0	0	0	0	1262
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Jack Pine	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	60
Lowland Aspen/Balsam Poplar	0	0	5	0	40	24	41	0	0	0	0	0	0	0	0	0	0	0	110
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Lowland Shrub	173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	173
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	79	0	49	23	0	0	0	37	12	23	0	0	0	0	0	0	223
Natural Mixed Pines	0	0	0	3	45	105	0	5	0	0	0	0	0	0	0	0	0	0	158
Northern Hardwood	0	0	0	18	87	0	0	0	85	0	0	0	0	0	0	0	0	0	190
Oak	0	90	123	291	17	40	10	0	6	69	0	231	10	0	0	0	0	13	900
Planted Mixed Pines	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Red Pine	0	137	0	0	0	0	0	127	0	87	0	0	0	0	0	0	0	0	351
Upland Conifers	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Upland Mixed Forest	0	0	50	98	4	0	0	0	0	15	0	0	0	0	0	0	0	0	167
Water	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>Total</b>	<b>222</b>	<b>380</b>	<b>660</b>	<b>539</b>	<b>747</b>	<b>241</b>	<b>144</b>	<b>132</b>	<b>91</b>	<b>217</b>	<b>13</b>	<b>254</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>3665</b>



## Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 5

Total Compartment Acres: 3,666

Commercial Harvest - 417  
 Harvests with Site Condition - 76  
 Next Step Harvest - 22  
 Habitat Cut - 22

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	74	0	0	0	0	0	0	0	0	74
Mixed Upland Deciduous	0	0	0	67	0	0	0	0	0	67
Natural Mixed Pines	33	0	0	0	0	0	0	0	0	33
Oak	85	0	0	112	0	0	90	0	0	286
Red Pine	14	0	0	0	0	0	0	0	0	14
Upland Mixed Forest	19	0	0	0	0	0	0	0	0	19
<b>Total</b>	<b>224</b>	<b>0</b>	<b>0</b>	<b>179</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>493</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	493	6	0	0	0	0	25	0	0	524
Next Step	22	103	109	0	0	109	467	0	0	811
<b>Total</b>	<b>515</b>	<b>109</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>109</b>	<b>467</b>	<b>25</b>	<b>0</b>	<b>1335</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Proposed Treatments:**

<b>1</b>	<b>73005001-Cut</b>	15.3	4130 - Aspen	Sawtimber Well	57	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest the stand as a Clear-Cut with retention. The retention should not exceed 5% of the area can be the buffer for haskel lake RMZ</p> <p><u>Specs:</u> consideration. Also mark some of the larger oak for mast and structural diversity. In addition, leave all white pine poles and logs. The marke residual should not exceed 10 BA.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Moderate to fully stocked aspen mixed with oak, maple and conifers.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>3</b>	<b>73005003-Cut</b>	29.9	4199 - Other Mixed Upland Deciduous	Poletimber Well	34	1-50	Harvest	Seed Tree	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest the stand as a seed tree retaining 10 BA. In addition, retain the trees less than 4" DBH.</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</u> Medium or better stocking of mixed upland hardwood.</p> <p><u>Regen:</u></p> <p><u>Other</u> include oak wilt spec no exception</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>4</b>	<b>73005004-Cut</b>	29.9	4131 - Aspen, Oak	Poletimber Well	34		Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest the stand as a Clear-Cut with retention. The retention should not exceed 5% of the area can be the buffer for haskel lake RMZ The</p> <p><u>Specs:</u> retention should be along the lake and protect the homestead site. In addition, mark some oak and conifer for retention. The marked trees should not exceed 10 BA.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> medium or higher stocking of aspen mixed with maple an oak.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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>13 73005013-Cut</b>	17.8	4126 - White, Black, N. Pin Oak	Sawtimber Well	104	51-80	Harvest	Seed Tree with Retention	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Harvest as a seed tree retaining 10-20 BA. Concentrate the retention on the white oak, maple and conifer that are wind firm. Retain trees under 4" DBH.</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</u> medium or higher stocking of oak, maple, aspen, and conifer.</p> <p><u>Regen:</u></p> <p><u>Other</u> use oak wilt spec no exception</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
<b>23 73005023-Cut</b>	36.9	4199 - Other Mixed Upland Deciduous	Poletimber Poor	80	51-80	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest as a seed tree retain 20 BA. Favor the retention of white oak. Select against maple, hybrid oak, and aspen. In addition, retain trees less than 4" DBH except aspen.</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</u> Medium or better stocking of mixed upland deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u> Include oak wilt spec without exception</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
<b>25 73005025-Cut</b>	13.1	4129 - Mixed Oak	Sawtimber Well	88	51-80	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest by removing the maple and aspen and harvesting the stand down to 20 BA. The retained trees should favor the white oak.</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</u> Medium or better stocking of oak, aspen, and maple.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
<b>26 73005026-Cut</b>	12.4	4131 - Aspen, Oak	Poletimber Well	46	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest as a clearcut. Mark some groups of trees for retention.</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</u> Medium or better stocking of aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

33	73005033-Cut	3.8	4319 - Mixed Upland Forest	Poletimber Medium	36	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Harvest as a clearcut without retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of mixed upland

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

37	73005037-Cut	56.1	4126 - White, Black, N. Pin Oak	Poletimber Well	88	51-80	Harvest	Seed Tree	412 - Oak Types	Even-Aged	No
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Prescription Harvested as a seed tree retaining 20 BA. The retention should favor the white oak and conifer. Cut the aspen to 2" and retain oak less than

Specs: 4" DBH.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium or better stocking of oak mixed with other species.

Regen:

Other

Include oak wilt spec without exception

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

44	73005044-Cut	15.0	4310 - Pine, Oak Mix	Sawtimber Medium	88	81-110	Harvest	Clearcut	412 - Oak Types	Even-Aged	No
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Prescription Clearcut 2 inch and up, apply the oak wilt prescription.

Specs:

Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Planting, Initial Plant; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release;

Treatments: Planting, Replant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Monitoring, Nat

Acceptable Any oak dominated mix.

Regen:

Other

Add no chipping spec. If 44, or 58 fail to regenerate, replant 44, 48, 58, and 60 to red pine.

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2025

46	73005046-Cut	18.9	4126 - White, Black, N. Pin Oak	Poletimber Medium	101	51-80	Harvest	Seed Tree	412 - Oak Types	Even-Aged	No
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Prescription Harvested as a seed tree retaining 20 BA. The retention should favor the white oak and conifer.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of oak mixed with other species.

Regen:

Other

Include oak wilt spec without exception

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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
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52	73005052-Cut	6.4	4126 - White, Black, N. Pin Oak	Sawtimber Medium	79	51-80	Harvest	Seed Tree	412 - Oak Types	Even-Aged	No
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Prescription Cut as a seed tree to 10-20 BA. Favor the retention of white oak but do not eliminate any one species.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of oak mixed with other species.

Regen:

Other include oak wilt spec no exception

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

58	73005058-Cut	10.3	4125 - Black, N. Pin Oak	Sawtimber Medium	55	81-110	Harvest	Clearcut	412 - Oak Types	Even-Aged	No
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Prescription Clearcut 2 inch and up apply the oak wilt spec.

Specs:

Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Planting, Initial Plant; Planting, Replant; Pesticide, Skidder - Site Prep; Pesticide,

Treatments: Skidder - Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Monitoring, Nat

Acceptable Any oak mix.

Regen:

Other Add the chipping spec. If stand 58 or 44 fail to regenerate plant 44, 48, 58, and 60 to red pine.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

59	73005059-Cut	14.1	42110 - Planted Red Pine	Sawtimber Well	87	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut 2 inch and up, apply oak wilt restrictions. Keep the retention as islands.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen mixed with pine and oak.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

65	73005065-Cut	16.7	4133 - Aspen, Mixed Pine	Sawtimber Medium	53	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut 2 inch and up. Apply the oak wilt restrictions as well as the Gladwin grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen mixed with pine and oak.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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>92 73005092-Cut</b>	9.9	4122 - Oak, Pine	Sawtimber Well	114	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut 2 inch and up, apply oak wilt spec. Protect the advanced pine regeneration.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Any mix of red pine, white pine, and oak.  <u>Regen:</u>  <u>Other</u> Add the trail spec to protect the snowmobile trail.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2025</p>										
<b>105 73005105-Cut</b>	9.5	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	45	141-170	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Harvest all trees 4 inch DBH and up, protect seedling spec as well as frozen dry due to the wet ground.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Any mix conifer.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2025</p>										
<b>114 73005114-Cut</b>	15.4	4122 - Oak, Pine	Sawtimber Medium	104	81-110	Harvest	Clearcut with Retention	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Cut all species 2 inch and up, apply the oak wilt spec. Leave retention in pockets.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> An oak majority stand with red maple.  <u>Regen:</u>  <u>Other</u> Reroute the forest road around the private property to the north.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2025</p>										
<b>118 73005118-Prep</b>	6.1	3102 - Grass	Nonstocked		Immature	SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Trench with the stand to the south after commercial harvest.  <u>Specs:</u>  <u>Next Step</u> SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Pesticide, Skidder - Release; Monitoring, Artificial  <u>Treatments:</u> Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Replant  <u>Acceptable</u> Fully stocked red pine  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2027</p>										





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

**120 73005120-Cut**    26.8    4124 - Red with White Oak    Sawtimber Medium    104    81-110    Harvest    Clearcut with Retention    4191 - Mixed Upland Deciduous with Conifer    Even-Aged    No

Prescription Harvest 2-inch DBH and up, apply the oak wilt spec, as well as a recommended frozen dry spec due to some low areas.  
Specs:  
Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:  
Acceptable Oak, mixed with pine and aspen  
Regen:  
Other  
Comment:  
Site Condition  
Proposed Start Date: 10/1 /2025

**121 73005121-Cut**    23.2    42290 - Natural Mixed Pine    Poletimber Well    48    111-140    Harvest    Clearcut    4211 - Planted Red Pine    Even-Aged    No

Prescription Harvest all trees 2-inch DBH and up.  
Specs:  
Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Planting, Replant; Pesticide,  
Treatments: Skidder - Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)  
Acceptable Fully stocked red pine.  
Regen:  
Other  
Comment:  
Site Condition  
Proposed Start Date: 10/1 /2025

**122 73005122-Cut**    8.0    4126 - White, Black, N. Pin Oak    Sawtimber Well    103    111-140    Harvest    Overstory Removal    4191 - Mixed Upland Deciduous with Conifer    Even-Aged    No

Prescription Harvest all trees 6 inches DBH or bigger. Add  
Specs: the oak wilt spec, remove all dead oak, and no chipping.  
Next Step  
Treatments:  
Acceptable Red oak, white oak, black oak, white pine, and red maple.  
Regen:  
Other There is a road off of Bass Lake Road, that will need to be extended and widened.  
Comment:  
Site Condition Survey Needed  
Proposed Start Date: 10/1 /2025



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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
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127	73005127-Cut	22.1	4126 - White, Black, N. Pin Oak	Poletimber Well	104	81-110	Harvest	Clearcut	412 - Oak Types	Even-Aged	No
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Prescription Harvest 2-inch DBH and up. Apply the oak wilt spec.

Specs:

Next Step Harvest, Clearcut

Treatments:

Acceptable A oak mix.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

132	73005132-Cut	28.1	4124 - Red with White Oak	Sawtimber Well	103	51-80	Harvest	Overstory Removal	412 - Oak Types	Even-Aged	No
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Prescription Harvest all trees 6 inch's and greater DBH. Apply the oak wilt cutting spec.

Specs:

Next Step

Treatments:

Acceptable An oak heavy mix

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

133	73005133-Cut	53.4	4126 - White, Black, N. Pin Oak	Poletimber Medium	104	51-80	Harvest	Overstory Removal	412 - Oak Types	Even-Aged	No
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Prescription Harvest 6 inch and up DBH, and apply the oak wilt spec.

Specs:

Next Step

Treatments:

Acceptable Regeneration of the oak understory.

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2025

**Approved Treatments:**

72	73005072-Other	8.9	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	7	Immature	Other	Other	4211 - Planted Red Pine	Even-Aged	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Planted Red Pine with a mix of Jack Pine and Oak.

Regen:

Other

Percent to Treat = 100%

Comment:

Site Condition



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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
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Proposed Start Date: 10/1 /2024

111	73005111- Other	8.4	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	7	Immatur re	Other	Other	42110 - Planted Red Pine	Even-Aged	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Planted red pine and mixed natural regeneration.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

117	73005117- Other	7.9	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	7	Immatur re	Other	Other	42110 - Planted Red Pine	Even-Aged	No
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Prescription TSI treatment to remove jack pine and hardwood competition.

Specs:

Next Step

Treatments:

Acceptable Planted red pine and mixed natural regeneration.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

**Total Treatment  
Acreage Proposed: 524.3**

## Report 4 – Site Conditions

Gladwin Mgt. Unit

Colton Behrmann : Examiner

Compartment: 5

Year of Entry: 2026

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2B	2I	5B	5C	2G	5E	
1241	1235	0	6	Aspen							6
12	12	0	0	Herbaceous Openland							
60	60	0	0	Jack Pine							
110	45	0	65	Lowland Aspen/Balsam Poplar					65		
1	1	0	0	Lowland Conifers							
174	174	0	0	Lowland Shrub							
4	4	0	0	Marsh							
223	169	54	0	Mixed Upland Deciduous	12		42				
159	159	0	0	Natural Mixed Pines							
189	172	18	0	Northern Hardwood			18				
900	807	93	0	Oak		59	34				
9	9	0	0	Planted Mixed Pines							
350	277	73	0	Red Pine			73				
9	0	9	0	Upland Conifers				9			
167	152	15	0	Upland Mixed Forest		15					
32	32	0	0	Water							
4	4	0	0	White Pine							
3,644	3,310	262	71	Total Forested Acres	12	74	167	9	65	6	
	91%	7%	2%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Colton Behrmann : Examiner

Compartment: 5  
Year of Entry: 2026

3	<b>Available</b>	<b>2I: Survey needed</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Holding till understory further develops. Partail harvest 1990. Real estate cut.							
5	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	34	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Could remove overstory. However, harvesting to the east and west this yoe. Partial harvest 2001. Mix of aspen and red maple regen as a result of the 2001 harvest. Rolling hills. Aspen clone at NE corner of stand along two track (4.3 ac)							
7	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Partial cut in 2001. Nice mix of aspen, Mr and oak regen as a result of the harvest.							
8	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Colton Behrmann : Examiner

Compartment: 5  
Year of Entry: 2026

9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	61	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>2I: Survey needed</b>	51	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Available</b>	<b>2I: Survey needed</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The south line of the stand borders private without any known survey pins.							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Gladwin Mgt. Unit

Compartment: 5

Colton Behrmann : Examiner

Year of Entry: 2026

16	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5B: Maintain for regeneration purposes	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	4130 - Aspen	Sawtimber Well	15.6	57	111-140	N/A	The stand was clearcut in 1967. It is on the hillside above Haskell Lake. It has a high visual impact between homes and the lake. The terrain is relatively flat at the south end but becomes undulating north. There is some autumn olive scattered throughout the stand.			
<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>
Black/Red (Hybrid) Oak		4	Pole/Log	9	57	Black/Red (Hybrid) Oak		Low	Variable	Sapling
Bigtooth Aspen		90	Log/Pole	10	57	Autumn Olive		Low	5 - 10 feet	Tall Shrub
Red Maple		6	Pole/Log	9	57	Red Maple	Medium	Variable	Sapling	
2	500 - Water	Nonstocked	26.0			No	Haskel Lake has a marshy border around it. The transition from lake to marsh to lowland shrub is gradual as it goes into stand 12.			
3	4199 - Other Mixed Upland Deciduous	Poletimber Well	29.9	34	1-50	N/A	The stand was partially harvest in 1990. It slopes down to stand 2 and 12. The larger pines are located along the lake. The hybrid oaks have a high mortality at the south. The white oaks are more concentrated going north. The maple understory increases going north. The residual oaks were at 30 BA at the time of harvest.			
<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>
Bigtooth Aspen		30	Pole/Sapling	6	34	Red Maple		High	Variable	Sapling
Black/Red (Hybrid) Oak		30	Pole/Sap/Log	7	34	Black/Red (Hybrid) Oak		Low	Variable	Sapling
White Pine		5	Log/Pole/XLog	12		White Pine		Medium	Variable	Sapling
Paper Birch		5	Sapling/Pole	4						
White Oak		20	Pole/Log	9						
Red Maple		10	Pole/Sapling	5	34					
4	4131 - Aspen, Oak	Poletimber Well	31.8	34		N/A	The stand is mostly uplands. It slopes down to stands 2 and 12. The aspen in the stand is concentrated in the northern end. There is some mortality in the hybrid oak.			
<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>
White Pine		3	Log/XLog/Pole	14		Black/Red (Hybrid) Oak		Medium	Variable	Sapling
Red Pine		4	Pole	6		White Pine		Medium	Variable	Sapling
Paper Birch		3	Pole/Sapling	6		Maple (spp.)		Medium	Variable	Sapling
Red Maple		25	Pole/Log	8		Balsam Fir		Low	Variable	Sapling
Bigtooth Aspen		45	Pole	8	34					
White Oak		10	Pole/Log	8						
Black/Red (Hybrid) Oak		10	Pole/Sap/Log	6						
5	4130 - Aspen	Sapling Well	40.4	12	Immature	N/A	The stand was clearcut in 2012 in Haskel Lake Harvest, sale 73-029-08. The terrain is undulating. It has some wetter pockets.			
<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 Maple		20	Sapling	2	12	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Bigtooth Aspen		80	Sapling	2	12	White Oak		Low	5 - 10 feet	Sapling
6	42200 - Natural White Pine	Poletimber Medium	4.1	104	51-80	N/A	The stand is a knob that has residual white pine from when stand 3 was partially harvested. The open areas are filling in with white pines, maples, and oaks. The north end has a sparser overstory.			
<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>
White Pine		80	Log	12	104	White Pine		High	Variable	Sapling
Red Maple		8	Pole/Sap/Log	6	35	Red Maple		Low	>20 feet	Sapling
Black/Red (Hybrid) Oak		10	Pole/Log/Sap	6						
White Oak		2	Pole/Log/Sap	8						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
7	6239 - Mixed Emergent Wetland	Nonstocked	4.0			No	The stand is a depression. The north end is mostly water with some cattails. The cattails and marsh grass with some lowland shrubs becomes more common going south.																																																															
8	4139 - Aspen, Mixed Deciduous	Sapling Medium	24.0	12	Immature	N/A	The stand had all the aspens, red maples, and birches removed in 1999, in Southside Haskel Lake, sale 73-045-98. It was then clearcut in 2012 in Stone Fence Aspen, sale 73-017-10. That harvest was a 4" spec harvest.																																																															
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9	4199 - Other Mixed Upland Deciduous	Sawtimber Well	23.4	105	51-80	N/A	The stand was harvested as a selection in 2012, in Haskel Lake Harvest, sale 73-029-08. The cruised residual was 88 Sq. Ft. The terrain is undulating. The low areas are wet and some have vernal ponds. There is some mortality in the overstory, mainly in the red oaks. With the mortality the BA is now below 70.																																																															
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10	4130 - Aspen	Sapling Well	22.0	7	Immature	N/A	All the aspen was cut in 1963. Oak and red maple were left. It was then harvested as a clearcut in Long Lake Mix, sale 73-004-16. The cut was completed in April 2017. The landing is still open.																																																															
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11	4125 - Black, N. Pin Oak	Sawtimber Medium	13.1	104	51-80	N/A	The terrain is undulating and it is uplands. The stand has a steep slope along stand 12.																																																															
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12	6229 - Mixed lowland shrub	Nonstocked	32.2			No	The stand is a mix of lowland shrubs, beaver ponds, and very wet lowland hardwoods. The culvert for the crossing is not in the road but to the north side.																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
13	4126 - White, Black, N. Pin Oak	Sawtimber Well	17.8	104	51-80	N/A	The stand was partially harvested in 2001, in Southside Haskel Lake, sale 73-045-98. Residual is quality oak. Mix of aspen, red maple, and oak regeneration is present because of the 2001 harvest. Consider moving stand towards selection harvest and multi-age structure. The terrain is undulating. The understory is fully stocked. There is some mortality in the oak in both hybrid and white oak. The mortality is higher in the hybrid oaks.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	30	Log/Pole	13	104	White Pine	Low		Variable	Sapling
Red Oak	25	Log/Pole	13	104	Serviceberry (Juneberry)	Low		5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	34	Log/Pole	13	104	Black/Red (Hybrid) Oak	Medium		10 - 20 feet	Sapling
Red Maple	10	Pole	8		Witch Hazel	Medium		5 - 10 feet	Tall Shrub
White Pine	1	Log	14		Red Maple	Medium		Variable	Sapling
14	4119 - Mixed Northern Hardwoods	Poletimber Well	84.6	78	1-50	N/A	The stand was partially harvested in 1990. The stand has depressions that make up a drainage system. They are part of the Haskel Lake drainage system within stand. Parts of the stand are wet. Manage for understory that is in place. Mature residual timber is decent quality. Understory is fully stocked. The terrain is undulating with a lot of low wet pockets. Some of the pockets are vernal ponds. There was some rutting when it was harvested.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	10	Log/Pole/Sap	12		Red Maple	Full		Variable	Sapling
Red Maple	60	Pole/Sap/Log	8	78	Black/Red (Hybrid) Oak	Low		Variable	Sapling
Red Oak	10	Log/Pole	12	78	Deciduous Shrubs	Low		Variable	Tall Shrub
White Oak	5	Log/Pole	10	78	Balsam Fir	Medium		Variable	Sapling
Balsam Fir	5	Sapling/Pole	4						
Black/Red (Hybrid) Oak	5	Log/Pole	10	78					
Bigtooth Aspen	5	Pole/Sapling	6	33					
15	4130 - Aspen	Poletimber Well	23.6	36	51-80	N/A	The stand was clearcut in 1988, in Haskel Lake Potholes, sale 73-028-88. The terrain is undulating. The low areas are wet and some of the depressions are vernal ponds. The stand is going through a natural thinning.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	25	Sapling/Pole	4		Balsam Fir	Low		Variable	Sapling
Quaking Aspen	35	Pole/Sapling	5	36	White Pine	Low		Variable	Sapling
White Pine	5	Sapling/Pole	4		Red Maple	Medium		Variable	Sapling
Bigtooth Aspen	30	Pole/Sapling	5	36					
Balsam Fir	5	Sapling/Pole	4						
16	4124 - Red with White Oak	Sawtimber Well	33.7	104	1-50	N/A	The stand was partially harvest in 2001, in Southside Haskel Lake, sale 73-045-98. Mix of aspen and red maple regeneration occurred because of the 2001 harvest. There are Aspen clones at northeast corner of stand along two track (4.3 ac). Consider moving stand towards selection harvest and multi-age structure. The terrain is undulating with some of the slopes being steep. There is mortality in the oak, mainly red oak. The crown closure goes from 60 down to 20, but averages 30.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Oak	55	Log/Pole/XLog	13	104	Red Maple	Medium		Variable	Sapling
Red Pine	5	Log	14		Aspen (spp.)	High		Variable	Sapling
White Oak	20	Log/Pole	13	104	Black/Red (Hybrid) Oak	Medium		Variable	Sapling
Black/Red (Hybrid) Oak	20	Log/Pole/XLog	13		Witch Hazel	Medium		5 - 10 feet	Tall Shrub
17	4130 - Aspen	Sapling Well	41.0	14	Immature	N/A	The stand was clearcut in 2010, in Long Lake Aspen, sale 73-015-09. It is generally flat. Pine is seeding in along the road and skid trails. There are also some oak and white pine that were retained in the harvest.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Sapling	2	14	White Pine	Low		5 - 10 feet	Sapling
Quaking Aspen	15	Sapling	2	14	Witch Hazel	Medium		5 - 10 feet	Tall Shrub
Bigtooth Aspen	60	Sapling	2	14	Black/Red (Hybrid) Oak	Medium		5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	10	Sapling	2	14	White Oak	Low		5 - 10 feet	Sapling
White Pine	5	Log/XLog/Pole	14		Red Pine	Low		5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
18	4139 - Aspen, Mixed Deciduous	Sapling Well	82.9	7	Immature	N/A	Some type of selective clearcut occurred in 1968. The stand has scattered wet depressions mainly at the north end. It was later harvested as a clearcut in Long Lake Mix, sale 73-004-16. The harvest retained white pine, red pine, and hemlock by spec. The cut was completed in May 2018. The terrain is generally flat. There are small pockets of wetter ground. The stand is wettest along the north and east sides.																																															
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19	42110 - Planted Red Pine	Sapling Well	100.4	7	Immature	N/A	19: The stand was clearcut in the spring of 2017, sprayed in August 2018, Trenched in December 2018 and finished trenching April 2019 Gallagher 06/2019 treatment update - red pine planted 05/2019. Seed lot ONCR601, 1 - 0. FTP C73-998 10/18/2019, Year 1 regeneration check by FO recommends no further treatments, stand meets fully stocked red pine criteria. Stand was site prep sprayed in 2018. Year 3 survey done in FY 2021 by contractors. Data shows a fully stocked red pine plantation at 885 TPA for red pine. No next step treatments needed.																																															
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20	6112 - Lowland Aspen	Sapling Well	9.8	36	51-80	N/A	The stand was clearcut in 1988, in Haskel Lake Potholes, sale 73-028-88. The terrain is hummocky. There are some uplands, about 45%. Most of the stand is manageable but some areas are too wet.																																															
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21	4130 - Aspen	Poletimber Well	12.0	36	81-110	N/A	The stand was clearcut in 1988, in Haskel Lake Potholes, sale 73-028-88. The stand is moving into poles well. It is starting to self-thin. There is a lot of down wood. The terrain is slightly undulating and some of the low areas are wet.																																															
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22	4126 - White, Black, N. Pin Oak	Sapling Medium	60.8	7	Immature	N/A	Red pines and jack pines were interplanted in 1938. All oaks were removed in 2001. Dense oak regeneration occurred because of the 2001 harvest. The harvest was Buck Trails Removal, sale 73-011-98. It was then harvested as a clearcut in Long Lake Mix, sale 73-004-16. The harvest retained green marked red pine and oak. The residual was 8 BA of large red pine and oak. The harvest was completed in June of 2017. The crown closure goes from 100% down to 10% with an average of 70%. Some of the oak regeneration is not established. The ground cover is grass and the terrain is flat.																																															
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23	4199 - Other Mixed Upland Deciduous	Poletimber Poor	36.9	80	51-80	N/A	The stand was harvested by selection in 2000, in Broken Arrow, sale 73-042-98. All aspen, dead oak, birch and marked oak and maple were cut. Mix of hardwood regeneration occurred because of the harvest. There is mortality in the red oaks. The terrain is undulating with some of the low areas having vernal ponds.																																																			
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24	42260 - Natural Pine, Mixed Deciduous	Sapling Poor	3.1	24	Immature	N/A	The stand has been seeding in over the past years. The regeneration is heavy to Scotts Pine. The stand is heavily disturbed. The pole and sawlog oak has significant mortality.																																																			
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25	4129 - Mixed Oak	Sawtimber Well	13.1	88	51-80	N/A	The stand was partially harvested in 1990. The sale was a real estate cut. The terrain is slightly undulating. The crown closure goes from 100% to 60%. The average is around 80%. The maple in the canopy is just moving into poles. The quality of the oak is variable.																																																			
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26	4131 - Aspen, Oak	Poletimber Well	12.4	46	111-140	N/A	The stand was clear cut in 1978. The terrain is slightly undulating. The oak and maple are concentrated in the swales and aspen on the ridges.																																																			
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27	4199 - Other Mixed Upland Deciduous	Poletimber Well	18.8	34	51-80	N/A	The stand was partially harvested in 1990. The harvest was a real estate cut. The terrain is generally flat. The maple understory is now reaching the overstory. The tree quality increases going south. The openings are filling in with oak regeneration. The crown closure goes from 80% down to 20% with an average around 50%.																																																			
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<b>28</b>	4119 - Mixed Northern Hardwoods	Sapling Well	17.7	23	1-50	N/A	The stand was partially harvested in 2001, in Southside Haskel Lake, sale 73-045-98. Nice mix of aspen, red maple and oak regeneration occurred because of the harvest. There is some rutting of the site from the harvest. The understory is now the overstory as the overstory oak is declining.																																											
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<b>29</b>	4130 - Aspen	Sapling Poor	13.0	13	Immature	N/A	The stand was clearcut in 2011, in Long Lake Aspen, sale 17-015-09. The elevation increases going north.																																											
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<b>31</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	5.2	34	51-80	N/A	The stand was partially harvested in 1990. It was a real estate cut. The terrain is generally flat.																																											
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<b>32</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	5.7	13	Immature	N/A	The stand was clearcut in 5/2011, in West Comp 5, sale 73-022-08. The regeneration is mixed and patchy. It goes from jack pine to aspen to hardwoods. The terrain is slightly hummocky.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 4319 - Mixed Upland Forest Poletimber Medium 3.8 36 51-80 N/A The jack pine is declining.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	15	Log	14		White Oak	Medium	10 - 20 feet	Sapling
Jack Pine	30	Pole	8	36	Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
Balsam Fir	5	Pole/Sapling	5					
Red Maple	15	Pole/Sapling	6					
Black/Red (Hybrid) Oak	20	Pole/Sapling	5					
Quaking Aspen	15	Pole	8					

**34** 4130 - Aspen Poletimber Well 22.0 36 N/A The stand was clearcut in 1988, in Floodwood Creek, sale 73-037-88. The terrain is generally flat with some hummocks. The site is moister than most of the other stands to the north. The aspen is self-thinning.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	90	Pole	8	36	White Oak	Low	5 - 10 feet	Sapling
Northern Pin Oak	5	Pole/Sapling	6	36	White Pine	Low	Variable	Sapling
White Pine	5	Pole/Sapling	6	36	Balsam Fir	Low	5 - 10 feet	Sapling
					Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling

**35** 4131 - Aspen, Oak Poletimber Well 12.4 35 81-110 N/A The stand was clearcut in 1988, in Long Lake Hawthorne, sale 73-034-88. The terrain is slightly undulating. The oak is concentrated in the swales and is smaller in diameter. The swales could be acting as cold air drains or frost pockets stunting the trees. The harvest appeared to have retained the white pine less than 4" diameter.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole	8		Red Maple	Medium	Variable	Sapling
Red Maple	5	Pole/Sapling	5	35	Black/Red (Hybrid) Oak	Low	Variable	Sapling
Bigtooth Aspen	60	Pole/Sapling	6	35				
White Oak	10	Sapling/Pole	4	35				
Black/Red (Hybrid) Oak	20	Sapling/Pole	4	35				

**36** 6223 - Inundated Shrub Swamp Nonstocked 16.4 No The stand is a creek and the flood plain. It goes from lowland shrubs to marsh. The stand has had past beaver activity.

**37** 4126 - White, Black, N. Pin Oak Poletimber Well 56.1 88 51-80 N/A The stand has scattered semi open areas and areas of very dense O3 reaching pole size. The stand whines around several large recent clearcuts. There is significant oak mortality. The conifer and white oaks are more pronounced in the south. The crown closure goes from 80% down to 20% with an average of 60%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	30	Pole/Log/Sap	8		Red Maple	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	40	Pole/Log/Sap	8	88	Deciduous Shrubs	Low	Variable	Tall Shrub
White Pine	5	Log/Pole	12		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	10	Pole	7		White Oak	Medium	5 - 10 feet	Sapling
Red Pine	2	Log/Pole	12					
Red Maple	13	Pole/Sapling	6					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
<b>38</b>	4310 - Pine, Oak Mix	Sapling Medium	13.0	25	Immature	N/A	The stand was clearcut in 1999, in Buck Trails Removal, in sale 73-011-98. The terrain is flat and moister than most of the stands to the north.																																																						
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<b>39</b>	42110 - Planted Red Pine	Poletimber Medium	12.5	85	111-140	N/A	The stand was third row thinned in 1999, in Walnut Grove, sale 73-012-98. It was thinned also in Black Dog Red Pine, sale 73-001-16. The stand was thinned to 120 BA in 2017. The terrain is flat. There is significant oak regeneration. Much of the regeneration has been damage by the heavy winter snows. There also significant fir regeneration that is patchy.																																																						
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<b>40</b>	4130 - Aspen	Poletimber Well	10.7	35	51-80	N/A	The stand was clearcut in 1989, in Floodwood Creek, sale 73-037-88. The terrain is hummocky and is moister than stands to the north. There is a lot of down wood because the aspen is self-thinning.																																																						
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<b>42</b>	4130 - Aspen	Sapling Poor	45.6	15	Immature	N/A	The stand was clearcut in 2009, in Long Lake Aspen, sale 73-015-09. The terrain is generally flat.																																																						
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<b>43</b>	4131 - Aspen, Oak	Sapling Poor	27.9	15	Immature	N/A	The stand was clearcut in 2009, in Long Lake Aspen, sale 73-015-09. The terrain is generally flat. There are some areas that are undulating in the southern portion.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
<b>44</b>	4310 - Pine, Oak Mix	Sawtimber Medium	15.0	88	81-110	N/A	24 - Heavey mortality in the pin oaks.																																																						
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<b>45</b>	4130 - Aspen	Sapling Well	48.6	12		N/A	Clearcut 2012 in Stone Fence Aspen 73-017-10.																																																						
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<b>46</b>	4126 - White, Black, N. Pin Oak	Poletimber Medium	18.9	101	51-80	N/A	The stand was partially harvest in 2008. All aspen and maple were cut and oak was marked to 50 BA/AC. A Mix of natural regeneration occurred from harvest in Long Lake Aspen, sale 17-015-09. The regeneration goes from maple to aspen to oak going from south to north. The crown closure goes from 80% down to 20%. The north and south ends have a higher density.																																																						
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<b>47</b>	4130 - Aspen	Sapling Well	11.1	25	Immature	N/A	The stand was clearcut in 2001, in Expressway Aspen, sale 73-010-98. The terrain is generally flat. The stand is currently self-thinning.																																																						
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<b>48</b>	3102 - Grass	Nonstocked	3.4		Unspecified	No																																																							
<b>49</b>	500 - Water	Nonstocked	5.7		Unspecified	No																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>50</b>	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	5.3	63	51-80	N/A	Left when stand 62 was cut. Mixed stand, species composition, Understory is fully stocked oak, mixed pine reaching pole size.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	20	Pole	8	
Quaking Aspen	30	Log	13	63
Northern Pin Oak	5	Log	11	
Balsam Fir	5	Pole	6	
White Pine	15	Pole	6	
Red Pine	25	Log	13	63

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	High	Variable	Sapling
Red Pine	Medium	Variable	Sapling
White Pine	Medium	Variable	Sapling
Jack Pine	Medium	Variable	Sapling

<b>51</b>	4130 - Aspen	Poletimber Well	78.1	35	111-140	N/A	Clearcut 1989 in Porky Pond 73-024-88
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	15	Pole	6	
Jack Pine	5	Pole	7	
White Pine	5	Pole	7	
Bigtooth Aspen	20	Pole	8	35
Quaking Aspen	55	Pole	8	35

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	Variable	Sapling
Quaking Aspen	High	Variable	Sapling
Jack Pine	Low	Variable	Sapling

<b>52</b>	4126 - White, Black, N. Pin Oak	Sawtimber Medium	6.4	79	51-80	N/A	The stand has regenerated on its own. Gypsy moth was recorded in this stand in the past. All the dead trees were cut. Managing for the understory. The terrain is generally flat. The regeneration is a mix of established and not established oak.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	6	Log	14	
Red Pine	4	Pole/Log	8	
White Oak	40	Log/Pole	13	
Black/Red (Hybrid) Oak	50	Log/Pole	12	79

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	Medium	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling

<b>53</b>	4122 - Oak, Pine	Poletimber Well	78.7	24	81-110	N/A	NWSW harvested in Tree Farm Sale, 73-041-98
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Pole	6	
Jack Pine	10	Pole	6	
Red Maple	10	Pole	6	
White Oak	20	Pole	5	
Northern Pin Oak	40	Pole	5	24
White Pine	10	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	Variable	Sapling
Red Pine	Low	Variable	Sapling
White Pine	Medium	Variable	Sapling

<b>54</b>	4130 - Aspen	Poletimber Well	10.5	37	141-170	N/A	Clear cut 1987 in Long Lake Aspen 73-038-88.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Pole	7	37
Northern Pin Oak	5	Pole	5	
Red Maple	5	Pole	5	
Bigtooth Aspen	70	Pole	7	37



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
<b>55</b>	4126 - White, Black, N. Pin Oak	Sapling Well	17.3	6	Immature	N/A	Partial harvest in 2000 established fair oak regen. sale Broken Arrow, 73-042-98. All mixed hardwood was cut. It looks like we can regenerate oak on this site, we already started.																																																	
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<b>56</b>	4126 - White, Black, N. Pin Oak	Sapling Poor	11.9	7	1-50	N/A	The stand was harvested in Long Lake Mix, sale 73-004-16. The harvest was a clearcut retaining white pine, red pine, and oak less than 4" DBH. The harvest was completed in the Spring 2018. The terrain is undulating. The depression at the south end is a frost pocket. There are a lot of oaks seedlings occurring which are not established. The deer browse is light. The crown closure goes from 80% to 10% the average 40%. The aspen clone is toward the center.																																																	
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<b>58</b>	4125 - Black, N. Pin Oak	Sawtimber Medium	10.3	55	81-110	N/A	Poor quality oak timber semi open stand. Autumn olive interplanted in 1980. Buffer for maintained wildlife opening. Leave for mast production and as un-cut buffer around openings. Decent oak understory.																																																	
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<b>59</b>	42110 - Planted Red Pine	Sawtimber Well	14.1	87	111-140	N/A	24 - Ready for a stand restart Thinned to 40 ba/ac 5/2011 in West Comp 5, 73-022-08. Residual red pine is nursing along the oak regen.																																																	
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<b>60</b>	3102 - Grass	Nonstocked	2.3		Unspecified	No																																																		
<b>61</b>	4130 - Aspen	Poletimber Well	55.7	24		N/A	Clearcut 2000 in Expressway Aspen sale 73-010-98.																																																	
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<b>62</b>	6112 - Lowland Aspen	Poletimber Medium	24.0	49	51-80	N/A	Patchwork of tag alder swales dotted with high ground portions growing a mix of aspen and some sawlog size jack pine. Possibly could harvest in a very dry or cold season but the current stocking would not warrant this. Leave as a corridor for Floodwood Creek.																																													
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<b>63</b>	4125 - Black, N. Pin Oak	Sapling Well	6.2	37	1-50	N/A	Leave overstory. Manage for understory that is in place. Partial harvest in Long Lake Gypsy sale 73-023-88 completed in 1988. Overstory varies 10 -40 BA/AC.																																													
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<b>65</b>	4133 - Aspen, Mixed Pine	Sawtimber Medium	16.7	53	111-140	N/A	Aspen is starting to fall apart, leaving sizable openings.																																													
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<b>66</b>	4132 - Aspen, Jack Pine	Sapling Well	26.2	13	Immature	N/A	Clearcut 2011 in West Comp 5, 73-022-08. Trenched and planted to jack pine 2012. The planted jack pine has moderate to low survival. However the stand is fully stocked with aspen, oak, natural jack pine, and maple. The areas of higher density oak and aspen has only scattered jack pine. However, in the open areas and areas of lighter crown closure the jack pine has moderate to good survival.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**67** 4191 - Mixed Upland Deciduous with Conifer Sapling Poor 19.4 12 Immature N/A Clearcut 2012 in Stone Fence Aspen 73-017-10. All white pine left. Oak is starting to regenerate.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	15	Sapling	1	
Red Pine	5	Sapling	1	
Black/Red (Hybrid) Oak	25	Sapling	1	12
White Pine	20	Log	14	80
Quaking Aspen	15	Sapling	1	
Red Maple	20	Sapling	1	

**68** 4199 - Other Mixed Upland Deciduous Sapling Medium 6.1 15 Immature N/A The stand was clearcut in 2009, in Long Lake Aspen, sale 73-015-09. The aspen falls out and oak is the major species. The terrain is generally flat.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	1	15
Paper Birch	5	Sapling	1	15
Bigtooth Aspen	20	Sapling	1	15
Black/Red (Hybrid) Oak	50	Sapling	1	15

**69** 4122 - Oak, Pine Poletimber Well 10.8 36 81-110 N/A Clearcut 1988.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	30	Pole	6	36
Jack Pine	35	Pole	7	36
White Oak	35	Pole	6	36

**70** 42110 - Planted Red Pine Sawtimber Well 34.7 67 111-140 N/A Planted 1957, first time row thinning in 2000 in Walnut Grove sale 73-012-98. Good stand to continue to manage as a red pine stand, strait rows and good access. PVT line is already painted in. Harvest as a thinning in Black Dog Red Pine 73-001-16. The stand was thinned to 120 BA in 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	90	Log	11	67	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Maple	5	Log	16		Red Maple	Low	Variable	Sapling
Northern Pin Oak	5	Log	11					

**71** 429 - Mixed Upland Conifers Poletimber Medium 9.2 84 111-140 N/A Very mixed stand species and age. Semi open areas. Overall stand is young and timber is short.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Pole	8		Red Pine	Low	Variable	Sapling
Balsam Fir	5	Pole	5		Jack Pine	Low	Variable	Sapling
Jack Pine	15	Pole	5		White Pine	Low	Variable	Sapling
White Pine	20	Pole	7					
Northern Pin Oak	25	Pole	8	84				
Red Pine	20	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**72** 42141 - Planted Mixed Pine, Mixed Deciduous Sapling Well 8.9 7 Immature N/A

Plots were taken to determine if a TSI treatment is necessary to release red pine. Data shows heavy jack pine and cherry competition averaging around 3050 TPA. TSI treatment added to remove jack pine and hardwood competition. Stand release sprayed in early Oct. 2021 by contracts. Stand surveyed in FY 2021 by contractors. Data shows 809 TPA for red pine. Hardwood competition not recorded due to recent herbicide treatment. Cut Spring 2018. Scattered Oak. Gallagher 06/2019 treatment update - red pine planted 05/2019. Seed lot ONCR601, 1 - 0. FTP C73-99910/18/2019 as per 1 year regeneration check FO recommends skidder release spray to set back oak competition. No replant recommended at this time.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	25	Sapling	2	
Black Cherry	15	Sapling	3	
Red Pine	55	Sapling	1	7
Northern Pin Oak	5	Sapling	1	

**73** 42250 - Pine, Oak Poletimber Well 26.7 35 1-50 N/A

24 - Lots of oak mortality in pockets, although the seedling layer is still alive underneath. Clearcut 1989 in Porky Pond 73-024-88.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	40	Pole	7	35	White Pine	Low	Variable	Sapling
White Oak	20	Pole	6	35	Black/Red (Hybrid) Oak	Medium	Variable	Sapling
White Pine	20	Pole	7	35	Black Cherry	Low	Variable	Sapling
Black/Red (Hybrid) Oak	20	Pole	6	35				

**74** 4199 - Other Mixed Upland Deciduous Poletimber Medium 2.6 40 111-140 N/A

2024, Odd stand with black walnut by the road.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	25	Pole	8	40
White Oak	10	Log	10	
Red Maple	40	Pole	8	40
Black/Red (Hybrid) Oak	20	Log	10	
Black Walnut	5	Log	15	

**75** 4132 - Aspen, Jack Pine Poletimber Well 29.5 36 81-110 N/A

Clearcut 1988 in Leota Grade Jack Pine 73-035-88.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	20	Pole	7	
Red Pine	2	Pole	5	
Northern Pin Oak	10	Pole	5	
White Pine	3	Pole	5	
Quaking Aspen	65	Pole	8	36

**76** 4130 - Aspen Sapling Well 39.5 7 1-50 N/A

Mixed stand. North 1/2 of stand was clearcut in 2001 with good aspen regen results. Cut 2017. All Red Pine Left.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Sapling	1	7
Bigtooth Aspen	45	Sapling	1	7
Red Pine	5	Pole/Log	8	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
<b>77</b>	42110 - Planted Red Pine	Poletimber Well	27.0	67	141-170	N/A	Planted 1957, first time row thinning in 2000 in Walnut Grove sale 73-012-98. Good stand to continue to manage as a red pine stand, strait rows and good access. PVT line is already painted in. Harvest as a thinning in Black Dog Red Pine 73-001-16. The stand was thinned to 120 BA in 2017.					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size		
Red Pine		94	Log/Pole	10	67	Red Pine		Medium	Variable	Sapling		
Northern Pin Oak		2	Log	12		Black/Red (Hybrid) Oak		Medium	Variable	Sapling		
Jack Pine		4	Pole	8		White Oak		Low	Variable	Sapling		
<b>78</b>	4130 - Aspen	Sapling Well	115.7	13	Immature	N/A	Clearcut 5/2011 in West Comp5, 73-022-08. trenched and planted to jack pine 2012 FTP C73-860. The stand next to Leota grade on the east side was planted to jack pine and survival of artificial regeneration is mixed. The areas of higher density oak and aspen it only scattered jack pine. However, in the open areas and areas of lighter crown closure the jack pine has moderate to good survival with mortality of only 1 tree in about 20. Overall the stand is fully stocked.					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size		
Red Maple		5	Sapling	1	13	Jack Pine		Low	< 5 feet	Sapling		
Quaking Aspen		60	Sapling	1	13	Hawthorn (spp.)		High	5 - 10 feet	Tall Shrub		
Northern Pin Oak		12	Sapling	1	13							
Jack Pine		18	Sapling	1	13							
Choke Cherry		5	Sapling	1	13							
<b>79</b>	6229 - Mixed lowland shrub	Nonstocked	114.4		Unspecified	No						
<b>80</b>	6112 - Lowland Aspen	Poletimber Well	30.4	36	111-140	N/A	Habitat cut 1988, wet site.					
Canopy Species		% Cover	Size Class	DBH	Age							
Quaking Aspen		65	Pole	8	36							
Northern Pin Oak		20	Pole	6	36							
Jack Pine		5	Pole	6								
White Pine		10	Pole	8								
<b>81</b>	4310 - Pine, Oak Mix	Sapling Well	23.8	14	Immature	N/A	Clear-cut 2010 in Harrison Ave. Harvest, sale 73-028-08. trenched and planted to jack pine 2012 with FTP C73-861. The stand has more natural jack pine then planted. The harvest left oak <4" DBH. The areas with thick oak 1-3' height has a low survival of jack pine in the open area good survival of both natural and planted jack pine. The stand is fully stock and meets cover type objective.					
Canopy Species		% Cover	Size Class	DBH	Age							
Northern Pin Oak		30	Sapling	1	14							
Bigtooth Aspen		2	Sapling	1								
Jack Pine		46	Sapling	1	14							
Choke Cherry		2	Sapling	1								
White Oak		20	Sapling	1								
<b>82</b>	42110 - Planted Red Pine	Poletimber Medium	19.0	67	141-170	N/A	24 - This stand was planted with the red pine to the south. Then in the mid 70s a fire restated most of the stand. Parts of the stand are still the original plantation. Manage with the red pine to the south.					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size		
Jack Pine		25	Pole	5		Red Pine		Medium	Variable	Sapling		
Red Pine		75	Pole	9	67	Northern Pin Oak		Medium	Variable	Sapling		
						Red Maple		Medium	Variable	Sapling		
						Jack Pine		Low	Variable	Sapling		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
<b>83</b>	42220 - Natural Jack Pine	Poletimber Well	41.2	54	81-110	N/A	Was cut in 1970. Jack pine timber type with good jack pine regeneration in the understory. North half has large red pine in the 20 inch plus range left when cut. Some oak and red pine regeneration in stand also. Ground cover is a blueberry grass mix.																																														
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<b>84</b>	42250 - Pine, Oak	Poletimber Medium	18.3	36	1-50	N/A	Clearcut 1988 in Porky Pone sale 73-024-88. Semi open areas.																																														
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<b>85</b>	4132 - Aspen, Jack Pine	Poletimber Well	17.8	45	111-140	N/A	Clearcut in 1979. Aspen/jack pine																																														
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<b>86</b>	42110 - Planted Red Pine	Sawtimber Well	11.6	67	111-140	N/A	Planted 1957. Good stand to continue to manage as a red pine stand, strait rows and good access. PVT line is already painted in. First thinning occurred in Walnut Grove sale 73-012-98 cut in 1999.																																														
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<b>87</b>	6112 - Lowland Aspen	Poletimber Well	40.8	54	111-140	N/A	Wetland site, timber on islands surrounded by tag alder that leads into the Floodwood Creek.																																														
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<b>88</b>	6112 - Lowland Aspen	Sapling Medium	5.1	13	Immature	N/A	24 - All jack pine fell out of stand just a mixed aspen stand currently. clearcut 5/2011 trenched and planted to jack pine.																																														
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<b>89</b>	4130 - Aspen	Poletimber Well	12.8	36	111-140	N/A	Clearcut 1988 in Leota Grade Mixed 73-036-88.																																																						
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<b>90</b>	4122 - Oak, Pine	Poletimber Well	39.9	48	81-110	N/A	Mix of natural oak and jack pine. Clearcut 1976.																																																						
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<b>91</b>	4133 - Aspen, Mixed Pine	Poletimber Well	24.7	35	111-140	N/A	Clearcut 1989 in Fur Farm Junction sale 73-015-88																																																						
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<b>92</b>	4122 - Oak, Pine	Sawtimber Well	9.9	114	51-80	N/A	The stand was salvage in 1993 in Wade Salvage sale 73-065-92. Small oak stand on a hill top. So much has been managed around this stand possible to leave for seed source small pocket of big trees, mast, woody debris.																																																						
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<b>93</b>	4122 - Oak, Pine	Sapling Poor	23.0	14	1-50	N/A	Seed tree harvest 2010 Harrison Ave. Harvest, sale 73-028-08.																																																						
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<b>94</b>	42220 - Natural Jack Pine	Poletimber Well	18.3	54	81-110	N/A																																																							
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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>95</b>	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	72.4	48	81-110	N/A	Clearcut 1976. Mix of aspen, jack pine and n. pin oak.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Pole	7	48
Northern Pin Oak	10	Pole	6	
White Pine	5	Pole	6	
Red Pine	5	Pole	6	
Black Cherry	10	Pole	8	
Jack Pine	50	Log/Pole	10	48

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Medium	Variable	Sapling
White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	Low	Variable	Sapling

<b>96</b>	4199 - Other Mixed Upland Deciduous	Poletimber Well	20.3	40	81-110	N/A	Clearcut in 1984.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Pole	7	40
Red Maple	20	Pole	7	40
Northern Pin Oak	30	Pole	7	40
White Pine	10	Pole	5	40
Bigtooth Aspen	20	Pole	7	40
White Oak	10	Pole	7	40

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Medium	Variable	Sapling
Red Maple	Low	Variable	Sapling
White Pine	Low	Variable	Sapling

<b>97</b>	4130 - Aspen	Poletimber Well	18.7	40	141-170	N/A	Clearcut 1984.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	5	Pole	7	40
White Pine	2	Sapling	4	40
Red Maple	5	Pole	8	40
Quaking Aspen	30	Pole	9	40
Bigtooth Aspen	58	Pole	9	40

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling

<b>98</b>	4310 - Pine, Oak Mix	Sapling Well	85.1	25	Immature	N/A	Stand was scheduled for a shelter wood harvest in Blueberry Hills sale 73-036-98. This was changed to a Clearcut 1999 because of oak mortality. It was trenched and planted to red pine. A mixed oak pine stand that is doing very well.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	10	Sapling	3	25
Red Pine	45	Sapling	3	25
White Oak	20	Sapling	3	25
Northern Pin Oak	25	Sapling	3	25

<b>99</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	48.2	14	Immature	N/A	Clearcut 2010 in Harrison Ave. Harvest, sale 73-028-08. trenched and planted to jack pine in 2012 with FTP C73-861. The harvest retained oak with a DBH of 4" or less. The regeneration is patch mix with aspen clone, natural and planted jack pine and oak. The planted jack pine has a ~30% mortality however the natural regeneration makes up for the mortality. The stand is fully stocked meets cover type objective. .
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Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	25	Sapling	1	14
White Pine	2	Sapling	1	14
Jack Pine	38	Sapling	1	14
Red Maple	2	Sapling	1	14
White Oak	3	Sapling	1	14

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
<b>100</b>	4310 - Pine, Oak Mix	Sapling Medium	26.1	14	Immature	N/A	Clear-cut 2010 in Harrison Ave. Harvest, sale 73-028-08. trenched and planted to jack pine 2012 with FTP C73-861. The stand is mainly oak and jack pine. The survival of the planted jack pine is good and there is abundant natural oak and jack pine as well. The stand is fully stocked and it is quite dense.																																					
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<b>101</b>	6229 - Mixed lowland shrub	Nonstocked	10.5			No																																						
<b>102</b>	4131 - Aspen, Oak	Poletimber Well	76.9	35	111-140	N/A	Clearcut 1989.																																					
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<b>103</b>	4126 - White, Black, N. Pin Oak	Sapling Well	82.0	24	1-50	N/A	Seed tree harvest 2000 in Blueberry Hills sale 73-036-98. The sale retain 20 BA/AC jack pine and oak left.																																					
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<b>104</b>	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	6.0	7	Immature	N/A	Walk through method used to determine if a TSI treatment was necessary to release red pine. Stand is fully stocked and free to grow. No need for next step treatments. Stand release sprayed early Oct. 2021 by contractors. Stand surveyed in FY 2021 by contractors. Data shows 824 TPA for red pine. Hardwood competition not recorded due to recent herbicide treatment. Stand Cut Spring 2018 (Long Lake Mix). Gallagher 06/2019 treatment update - red pine planted 05/2019. Seed lot ONCR601, 1 - 0. FTP C73-99910/18/2019 as per 1 year regeneration check FO recommends skidder release spray to set back oak competition. No replant recommended at this time.																																					
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Northern Pin Oak	20	Sapling	1																																									
Red Pine	80	Sapling	1	7																																								
<b>105</b>	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	9.5	45	141-170	N/A	Clearcut 1979.																																					
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Northern Pin Oak	Medium	Variable	Sapling																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**106** 3102 - Grass Nonstocked 0.4 No

**107** 4130 - Aspen Poletimber Well 18.7 37 141-170 N/A Clearcut 1988 in The Magnificent Seven sale 73-017-88.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Pole	9	37	White Oak	Low	Variable	Sapling
Red Maple	10	Pole	7	37	Red Maple	Low	Variable	Sapling
Bigtooth Aspen	60	Pole	9	37				
Northern Pin Oak	10	Log	10					

**108** 42110 - Planted Red Pine Sawtimber Well 34.2 67 141-170 N/A

Planted 1957. Good stand to continue to manage as a red pine stand, strait rows and good access. First thinning occurred in Walnut Grove sale 73-012-98 in 2000. Harvest as a thinning in Black Dog Red Pine 73-001-16. The stand was thinned to 120 BA in 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Pole	8		Red Maple	Low	Variable	Sapling
Northern Pin Oak	5	Log	12		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Pine	90	Log	11	67				

**109** 4125 - Black, N. Pin Oak Sapling Well 87.6 15 Immature N/A

14 - Clearcut 2009 in East Comp 5, 73-023-08. 7 BA/AC of oak was left. 12 acers were interplanted to red pine. The planting was monitored in May of 2016 and FTP C73-858 avg. around 1000 stems/ac. The planting took place in spring of 2013.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	10	Log	10	104
Northern Pin Oak	70	Sapling	1	15
Red Pine	10	Sapling	1	15
White Oak	10	Sapling	1	15

**110** 4125 - Black, N. Pin Oak Sapling Well 21.3 24 Immature N/A

Clearcut 2000 in Beverly Hills sale 73-001-01.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	15	Sapling	4	24
Northern Pin Oak	55	Sapling	4	24
Red Maple	15	Sapling	4	24
White Oak	15	Sapling	4	24

**111** 42111 - Planted Red Pine, Mixed Deciduous Sapling Well 8.4 7 Immature N/A

Plots were taken in February 2024 to determine if a TSI treatment is necessary. Data shows 871 TPA of competition with a majority being oak. Stand release sprayed in early Oct. 2021 by contractors. Stand surveyed in FY 2021 by contractors. Data shows 824 TPA for red pine. Hardwood competition not recorded due to recent herbicide treatment. Stand was cut Spring of 2018 (Long Lake Mix). Scattered Oak left. Gallagher 06/2019 treatment update - red pine planted 05/2019. Seed lot ONCR601, 1 - 0. FTP C73-99910/18/2019 as per 1 year regeneration check FO recommends skidder release spray to set back oak competition. No replant recommended at this time.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60	Sapling	1	7
Black/Red (Hybrid) Oak	20	Sapling	2	
Black Cherry	10	Sapling	2	
Jack Pine	10	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**112**      4131 - Aspen, Oak      Sapling Well      20.4      15      Immature      N/A      Clearcut 2009 in East Comp 5, 73-023-08. Scattered oak and pine left.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	2	15
Bigtooth Aspen	37	Sapling	2	15
Red Pine	2	Log	10	106
Quaking Aspen	10	Sapling	2	15
Northern Pin Oak	26	Sapling	2	15

**113**      4126 - White, Black, N. Pin Oak      Poletimber Medium      4.1      104      51-80      N/A      On top of steep hill. Old sand/gravel pits. painted out of adjacent sale.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Log	13	104	Northern Pin Oak	Medium	Variable	Sapling
Northern Pin Oak	75	Log	13	104	White Pine	Low	Variable	Sapling
White Pine	5	Log/Pole	9					

**114**      4122 - Oak, Pine      Sawtimber Medium      15.4      104      81-110      N/A      Partial harvest in 2001 in Forest Airport Oak, sale 73-027-98. This has established dense aspen red maple understory. All aspen and maple were cut oak residual reduced to 40 BA/AC. Decent quality oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	50	Pole/Log	9	104	Bigtooth Aspen	Medium	>20 feet	Sapling
Red Pine	10	Pole/Log	9	104	Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Oak	20	Log	10		White Oak	Low	Variable	Sapling
White Pine	20	Log	12		Red Maple	Full	>20 feet	Sapling

**115**      4130 - Aspen      Poletimber Well      4.5      35      141-170      N/A      Clearcut 1989 in The Magnificent Seven sale 73-017-88.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Pole	7	35
Northern Pin Oak	5	Pole/Sapling	5	35
Bigtooth Aspen	80	Pole	7	35
Red Maple	5	Pole/Sapling	6	35

**116**      4126 - White, Black, N. Pin Oak      Poletimber Poor      1.6      104      51-80      N/A      On top of steep hill. Old sand/gravel pits. painted out of adjacent sale.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	25	Log	11	104	Northern Pin Oak	Medium	Variable	Sapling
Northern Pin Oak	75	Log	12	104	White Pine	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**117** 42111 - Planted Red Pine, Mixed Deciduous Sapling Well 7.9 7 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	65	Sapling	1	7
Jack Pine	10	Sapling	1	
Black Cherry	10	Sapling	3	
Black/Red (Hybrid) Oak	15	Sapling	1	

Plots were taken in February 2024 to determine if a TSI treatment is necessary. Data shows 1200 TPA of competition with an even mix of oak, cherry and jack pine. Average stem diameters are around 1-2". Stand release sprayed in early Oct. 2021 by contractors. Stand surveyed in FY 2021 by contractors. Data shows 824 TPA for red pine. Hardwood competition not recorded due to recent herbicide treatment.

Stand is mainly oak seedlings. Cut in spring 2018 and trenched Summer of 2018. Gallagher 06/2019 treatment update - red pine planted 05/2019. Seed lot ONCR601, 1 - 0. FTP C73-99910/18/2019 as per 1 year regeneration check FO recommends skidder release spray to set back oak competition. No replant recommended at this time.

**118** 3102 - Grass Nonstocked 6.1 Immature Managed Opening

**119** 4130 - Aspen Poletimber Well 23.2 24 111-140 N/A Clearcut 2000 in Expressway Aspen sale 73-010-98.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	4	24
Quaking Aspen	30	Pole	5	24
Bigtooth Aspen	60	Pole	5	24
Northern Pin Oak	5	Sapling	3	24

**120** 4124 - Red with White Oak Sawtimber Medium 26.8 104 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	10	XLog	20		White Oak	Medium	Variable	Sapling
White Oak	20	Log/Pole	12	104	Red Maple	High	10 - 20 feet	Sapling
Red Oak	70	Log/Pole	12	104	White Pine	Trace	Variable	Sapling
					Bigtooth Aspen	Medium	10 - 20 feet	Sapling

Partial harvest 2001 in Oak Squeeze, sale 73-021-01. It has established dense aspen red maple understory. All aspen and maple were cut oak residual reduced to 65 BA/AC. Decent quality oak.

**121** 42290 - Natural Mixed Pine Poletimber Well 23.3 48 111-140 N/A Clearcut 1976.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	20	Log	10		White Oak	Low	Variable	Sapling
Jack Pine	50	Pole	8	48	Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Pine	5	Pole	8		Jack Pine	Medium	Variable	Sapling
Northern Pin Oak	25	Pole	9	48				

**122** 4126 - White, Black, N. Pin Oak Sawtimber Well 8.0 103 111-140 N/A Owens 24 - Small oak stand stand, no sign of disease as of current. Strong white pine regeneration with a beech component.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	40	Log	12	103	Red Maple	Low	Variable	Sapling
Bigtooth Aspen	10	Log	10		Beech	Low	Variable	Sapling
Red Maple	10	Pole/Log	8		White Pine	Medium	Variable	Sapling
White Oak	30	Log/Pole	10	103	Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
White Pine	10	Pole	6		White Oak	Low	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**123** 4130 - Aspen Poletimber Well 17.1 35 141-170 N/A Clearcut 1989.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole	5	35	Red Maple	Low	Variable	Sapling
Northern Pin Oak	5	Pole	5					
Bigtooth Aspen	80	Pole	5	35				
Red Maple	5	Pole	5					

**124** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 12.1 94 81-110 N/A Scattered wet areas. Adjacent to US127

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Log	9	94	Tag Alder	Low	Variable	Tall Shrub
Red Oak	10	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Balsam Fir	10	Pole	5		Red Maple	Medium	Variable	Sapling
White Pine	10	Pole/Log	8					
Northern Pin Oak	10	Pole/Log	9					
Bigtooth Aspen	20	Pole/Log	8					

**125** 4130 - Aspen Poletimber Well 6.8 35 111-140 N/A Clearcut 1989 in The Magnificent Seven sale 73-017-88.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole/Sapling	6	35	Red Maple	Low	Variable	Sapling
Northern Pin Oak	5	Pole/Sapling	5	35				
Red Maple	5	Pole/Sapling	5	35				
Bigtooth Aspen	80	Pole/Sapling	6	35				

**126** 4125 - Black, N. Pin Oak Sapling Poor 12.1 14 1-50 N/A Shelterwood seed harvest 2009 in East Comp 5, sale 73-023-08. the red pine was left by spec. Oak regen is coming along.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Sapling	1	14
White Oak	5	Sapling	1	14
Red Maple	10	Sapling	1	14
Quaking Aspen	5	Sapling	1	14
Northern Pin Oak	65	Sapling	1	14
Red Pine	10	Log	10	106

**127** 4126 - White, Black, N. Pin Oak Poletimber Well 22.1 104 81-110 N/A 14 - Made up of 13 uncut islands left when surrounding stand was cut. The original plan was to leave the uncut islands.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Pole	6		Red Maple	Low	Variable	Sapling
White Oak	30	Log	14	104	White Pine	Low	Variable	Sapling
White Pine	5	Pole/Log	8		White Oak	Medium	Variable	Sapling
Northern Pin Oak	60	Log	14	104	Black/Red (Hybrid) Oak	High	Variable	Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**128**      4130 - Aspen      Poletimber Well      28.5      35      111-140      N/A      Clearcut 1989 in The Magnificent Seven sale 73-017-88.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Sapling	4	35	Red Maple	Low	Variable	Sapling
Northern Pin Oak	5	Sapling	4	35	Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Maple	5	Pole	6	35				
Quaking Aspen	10	Pole	7	35				
Bigtooth Aspen	78	Pole	7	35				

**129**      4125 - Black, N. Pin Oak      Sapling Medium      91.4      23      Immature      N/A      Clearcut 2001 in Beverly Hills sale 73-001-01.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Sapling	2	23
White Pine	5	Sapling	2	23
Jack Pine	5	Sapling	2	23
Red Maple	15	Sapling	2	23
White Oak	10	Sapling	2	23
Northern Pin Oak	50	Sapling	2	23

**130**      42111 - Planted Red Pine, Mixed Deciduous      Sapling Well      14.0      7      Immature      N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	10	Sapling	1	
Black Cherry	10	Sapling	3	
Northern Pin Oak	15	Sapling	1	
Red Pine	65	Sapling	1	7

Plots were taken during February 2024 to determine if a TSI treatment is needed. Plots showed around 1500 TPA of competition with a mix of oak & jack pine primarily. Acceptable regeneration lists both species. Stand meets objectives. Stand release sprayed in early Oct. 2021 by contract sprayer. Stand surveyed in FY 2021 by contractors. Data shows 824 TPA for red pine. Hardwood competition not recorded due to recent herbicide treatment. Cut Spring 2018(Long Lake Mix).. Scattered Oak. Gallagher 06/2019 treatment update - red pine planted 05/2019. Seed lot ONCR601, 1 - 0. FTP C73-99910/18/2019 as per 1 year regeneration check FO recommends skidder release spray to set back oak competition. No replant recommended at this time. Houses along road on south side of stand.

**131**      4130 - Aspen      Poletimber Well      4.4      35      111-140      N/A      Clearcut 1989 in The Magnificent Seven sale 73-017-88.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	5	35	Red Maple	Low	Variable	Sapling
Quaking Aspen	10	Pole	5	35	White Oak	Low	Variable	Sapling
Northern Pin Oak	5	Pole	5	35				
Bigtooth Aspen	80	Pole	5	35				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>132</b>	4124 - Red with White Oak	Sawtimber Well	28.1	103	51-80	N/A	Partial harvest 2009 in East Comp 5, sale 73-023-08. Cruised residual 70BA/AC. 63' oak, 7' red maple, .5 mixed pine. Decent quality timber.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple	11	Log/Pole	10			Bigtooth Aspen	Low	Variable	Sapling	
White Oak	20	Log	11	103		Red Maple	Medium	Variable	Sapling	
White Pine	5	Log/Pole	10			White Oak	Low	5 - 10 feet	Sapling	
Jack Pine	2	Pole	6			Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling	
Red Pine	2	Pole	8							
Red Oak	60	Log	11	103						

<b>133</b>	4126 - White, Black, N. Pin Oak	Poletimber Medium	53.4	104	51-80	N/A	Partial harvest in 2000 in Forest Airport Oak, sale 73-027-98. This was followed by Rx burn. Dense northern pin oak in the understory. Options include remove or leave the overstory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern Pin Oak	80	Pole	7	104		Red Maple	Low	Variable	Sapling	
White Oak	20	Pole	7	104		Bigtooth Aspen	Low	Variable	Sapling	
						White Oak	High	Variable	Sapling	
						Black/Red (Hybrid) Oak	Full	5 - 10 feet	Sapling	

<b>134</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	1.2	93	1-50	N/A	Wet site, tag alder. Small pot hole stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple	35	Pole	5	93		Tag Alder	Low	Variable	Tall Shrub	
White Pine	10	Pole	8			Balsam Fir	Low	Variable	Sapling	
Balsam Fir	25	Pole	5			Red Maple	Low	Variable	Sapling	
Tamarack	30	Pole	5							

<b>135</b>	4126 - White, Black, N. Pin Oak	Poletimber Well	17.9	22	81-110	N/A	24 - The ORV restoration mostly worked, ORV presence is low with little impact. Treat as a two age stand. 14 - Most of stand is on hillside. ORV restoration project in 2012/2013. Stumps and ditch bank spoils placed in ORV damaged hill climb areas. O3 understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern Pin Oak	40	Sapling	2	22						
White Pine	10	Pole	6							
Quaking Aspen	20	Sapling	3	22						
White Oak	20	Sapling	2	22						
Jack Pine	10	Log	10	60						

<b>136</b>	4130 - Aspen	Poletimber Well	11.0	35	81-110	N/A	Clearcut 1989 in The Magnificent Seven sale 73-017-88.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple	5	Pole	5	35		Aspen (spp.)	Full	Variable	Sapling	
Bigtooth Aspen	80	Pole	7	35		Oak (spp.)	Low	Variable	Sapling	
Northern Pin Oak	5	Pole	5	35		Red Maple	Low	Variable	Sapling	
Quaking Aspen	10	Pole	7	35						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
<b>137</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	23.0	35	1-50	N/A	Gypsy moth has been a problem in the past. Dead oaks were removed 20 to 30 yrs. ago. There is a lot of dead oak in the overstory again. The reduction of the overstory has now made the understory the overstory. The live oak density is higher going west. There is a lot of down wood.																																															
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<b>138</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	59.0	34	1-50	N/A	The stand was partially harvest in 1990. The mature residual timber is decent quality. The terrain is undulating. There are some low wet depressions but they make up less than 10%. The aspen is in pockets mixed with maple.																																															
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<b>140</b>	42110 - Planted Red Pine	Sawtimber Medium	60.5	86	81-110	N/A	The red pine and jack pine was interplanted in 1938. All the oak was removed in 2001. There is dense oak regeneration because of the 2001 harvest, Buck Trails Removal, sale 73-011-98. The terrain is generally flat. The aspen regeneration is along the road. The oak understory has been damaged by the winter's heavy snow. There is a trace of oak and white pine in the overstory.																																															
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