



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32097

Entry Year: 2027

Acreage: 2,322

County: Alger

Management Area: Menominee-Marquette

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**Stand Examiner:** Matt Yeo

**Legal Description:**

T45N R21W Sections 23-26, 35, 36.

**Identified Planning Goals:**

To improve the quality and diversity of State forests and wildlife through proper habitat management, while protecting the riparian values of our wetlands and waters.

**Soil and topography:**

Area is mostly flat to gently rolling. There are some moraines and other glacial features. Notable are a series of steep north-south ridges that are the former riverbanks of the ancient river that drained glacial Lake Duluth. Soils included Chatham cobbly fine sandy loam, Shoepac-Trenary silt loam, Traunik gravelly fine sandy loam, Kalkaska sand, Kalkaska-Waiska complex, Charlevoix-Ensley complex, Eben very cobbly fine sandy loam, Charlevoix silt loam, and Carbondale, Lupton, Tawas, Chippany-Nahma mucks.

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

Year round residences and hunting camps. Some active farms nearby. Hiawatha National Forest is east of the basin.

**Unique Natural Features:**

Autrain Waterfowl Refuge and associated large opening complex, the Autrain Basin. A large spring appears, creates a short creek, then disappears back underground.

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

No archeological hits in our data base. MNFI has previous records for bald eagle, loon, grasshopper sparrow.

**Special Management Designations or Considerations:**

The Autrain Waterfowl Project Area of which includes this compartment.

**Watershed and Fisheries Considerations:**

Fisheries Concerns: Johnson Creek, a designated trout stream, flows through the northern portion of this compartment. Johnson Creek contains native Brook Trout and serves as nursery habitat for a wide variety of species from AuTrain Basin, including Smallmouth Bass, Panfish, and Walleye. A 300-foot buffer is recommended in the riparian areas of Johnson Creek that are susceptible to Aspen regeneration. Regarding the unnamed tributary south of Johnson Creek, a site visit determined that a 200-foot buffer is sufficient for this segment from stand 010, which will be susceptible to aspen regeneration post treatment. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

This compartment is found within the Menominee-Marquette Management Area, on ground moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes. The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

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

Surface sediments consist of medium-textured glacial till and glacial outwash sand and gravel and post-glacial alluvium. The glacial drift thickness varies between 10 and 70 feet. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. A gravel pit is located to the west in Section 28 and there may be potential on the east side of the compartment. This compartment has never been leased for metallic mineral exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Good throughout the compartment although some access is blocked from Sept. 1-Nov. 10 in the waterfowl refuge area.

**Survey Needs:**

While there are limited corners in this compartment, additional monumentation is needed here.

**Recreational Facilities and Opportunities:**

This area is extremely popular for birding. Waterfowl hunting, upland bird and deer hunting is also popular as well.

**Fire Protection:**

This compartment has a low risk for fire.

**Additional Compartment Information:**

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

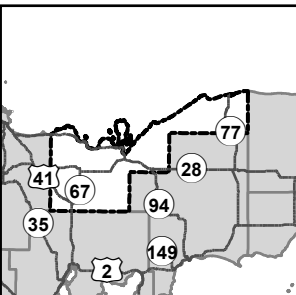
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

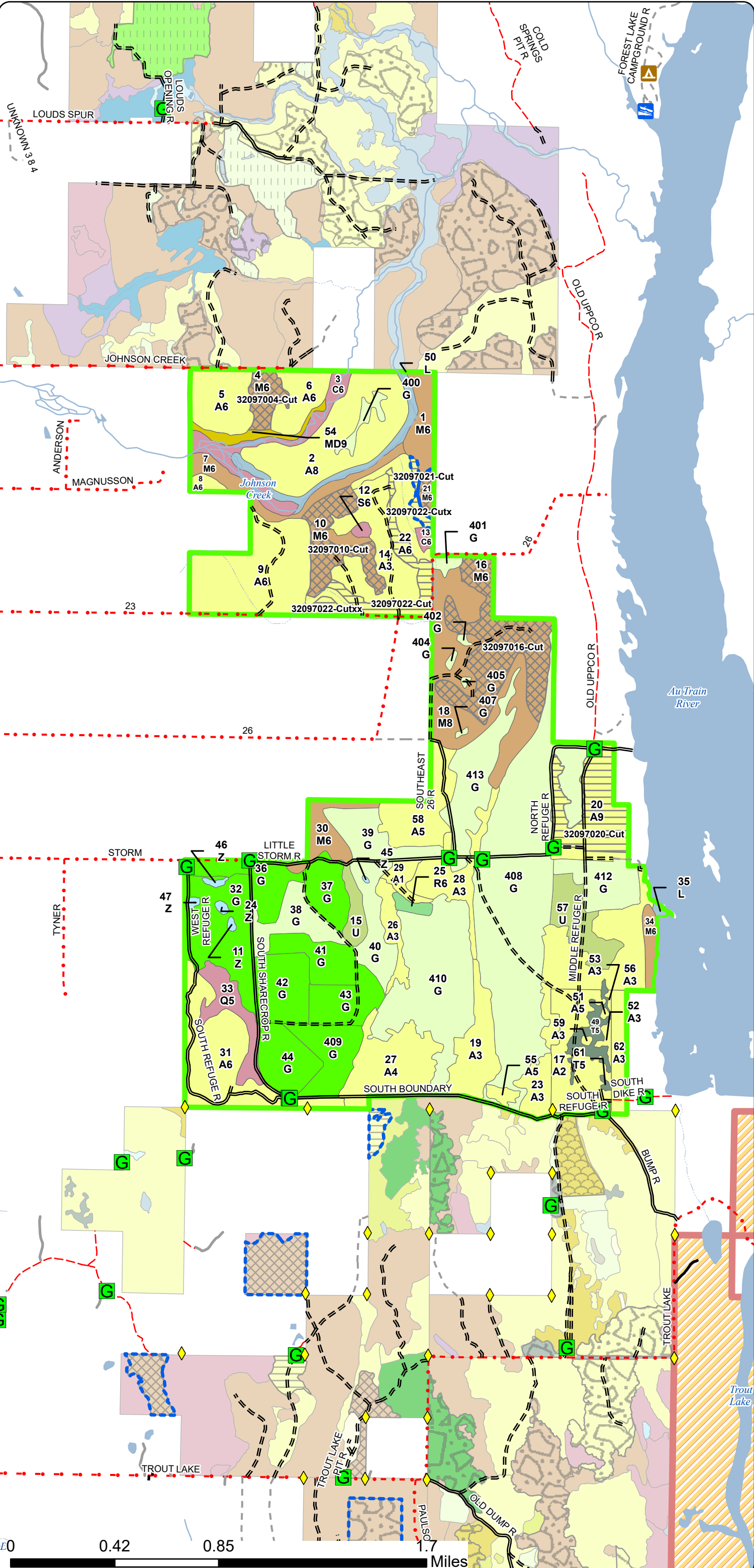
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32097  
T45N R21W Sections 23-26, 35, 36  
County: Alger  
Unit: Gwinn  
Mgmt. Area: Menominee-Marquette  
YOE: 2027  
Acres: 2,322.49 GIS Calculated  
Examiner: Matt Yeo  
Date Exported: 08/19/2025  
Map Phase: Web Post

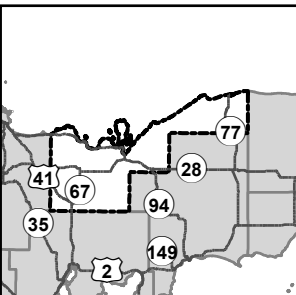


- Survey Grade Corners
- Berms
- Gate
- Boating Access Site
- Campground
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Clearcut
- Selection
- Site Prep
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 500 - Water
- 612 - Lowland Coniferous Forest
- 211 - Cropland
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- Herbaceous Openland

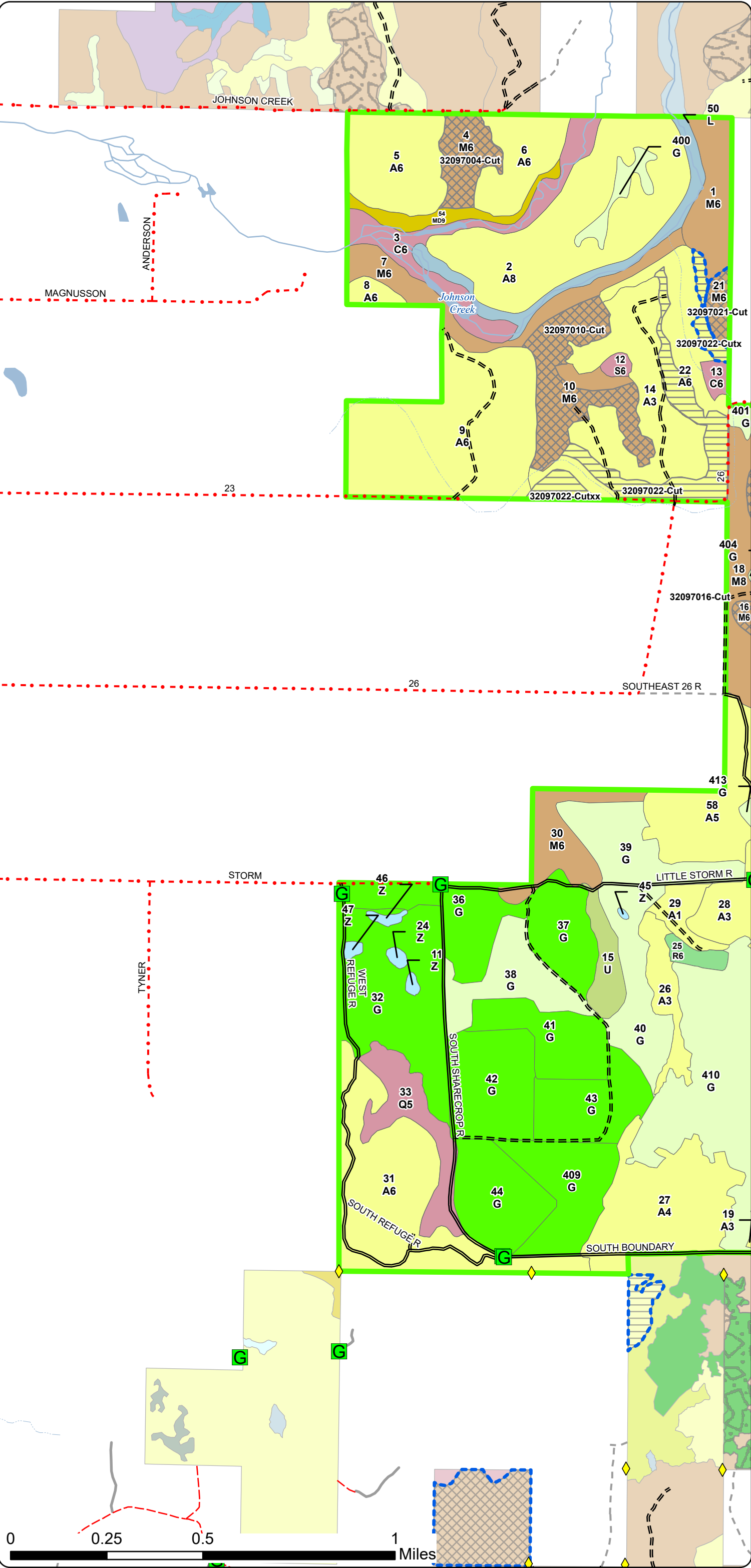


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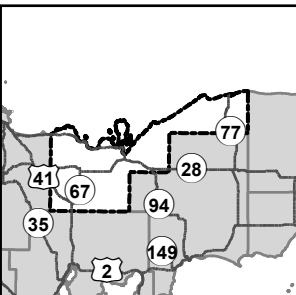
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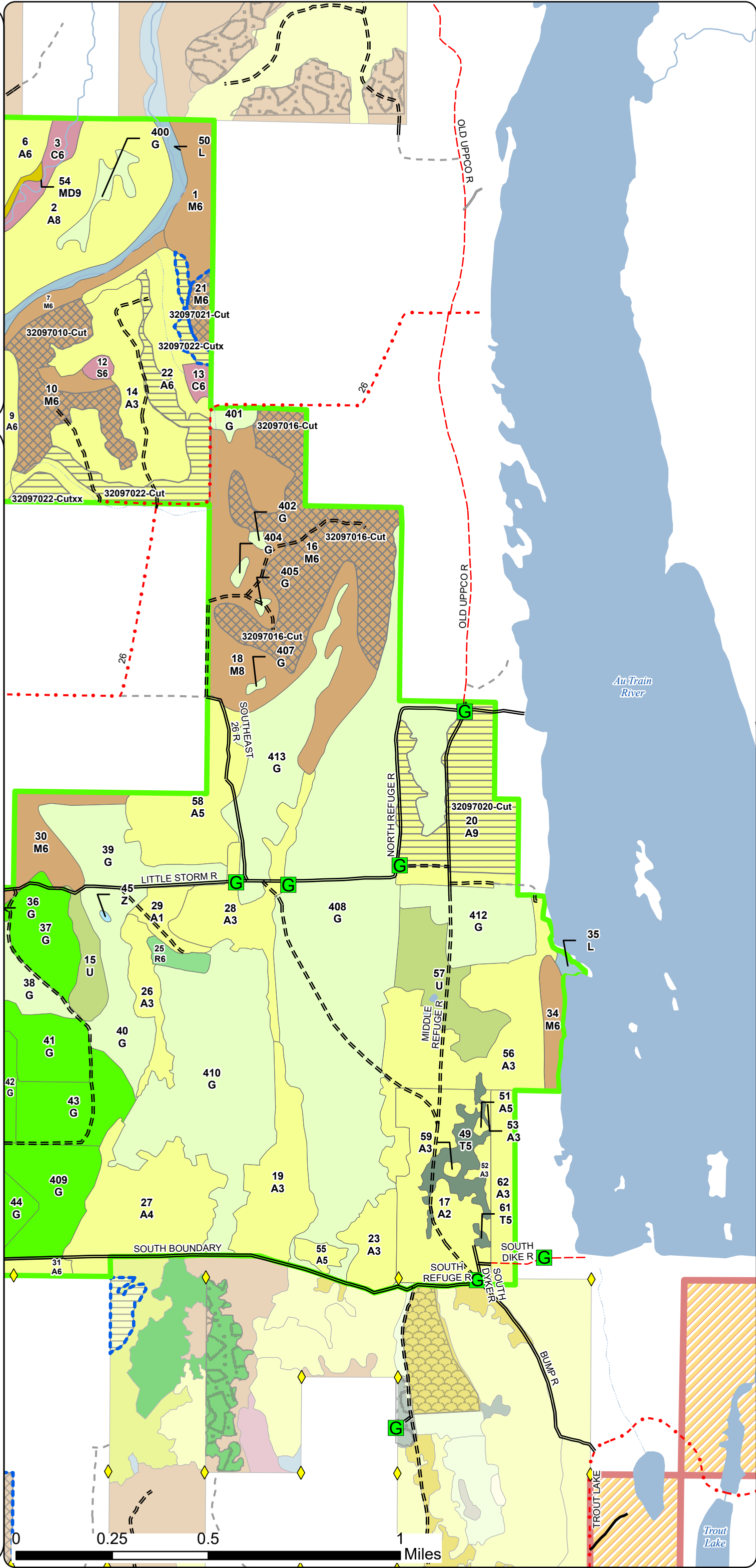


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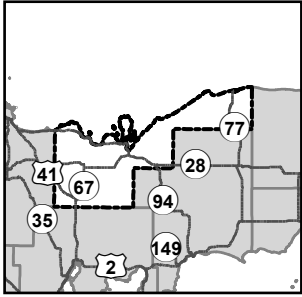

















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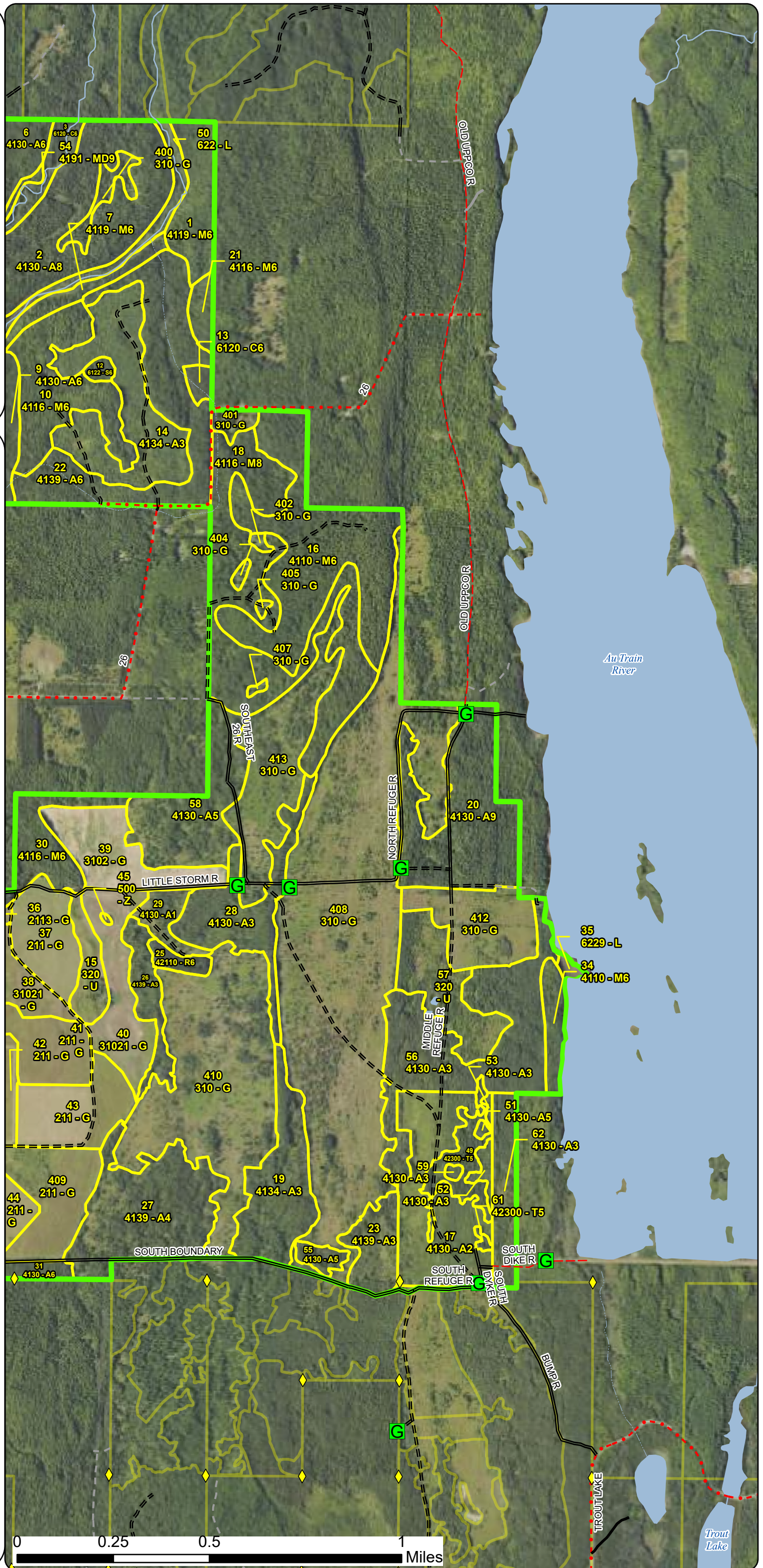




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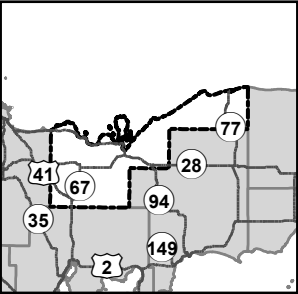
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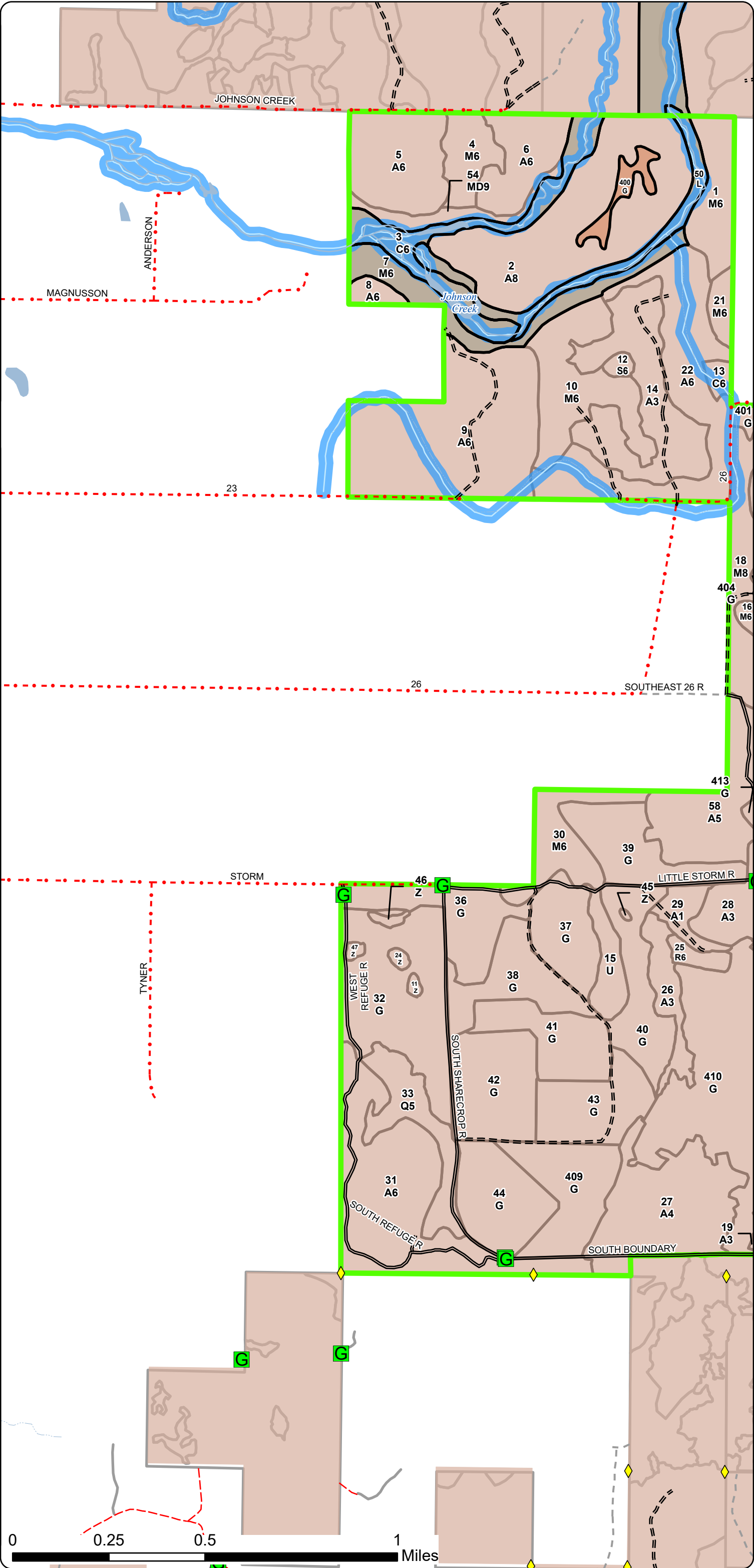


Special Conservation Areas  
& Site Conditions Map

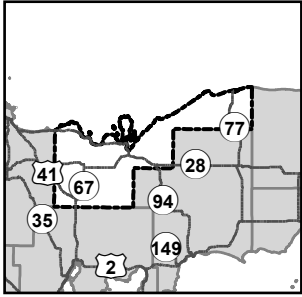
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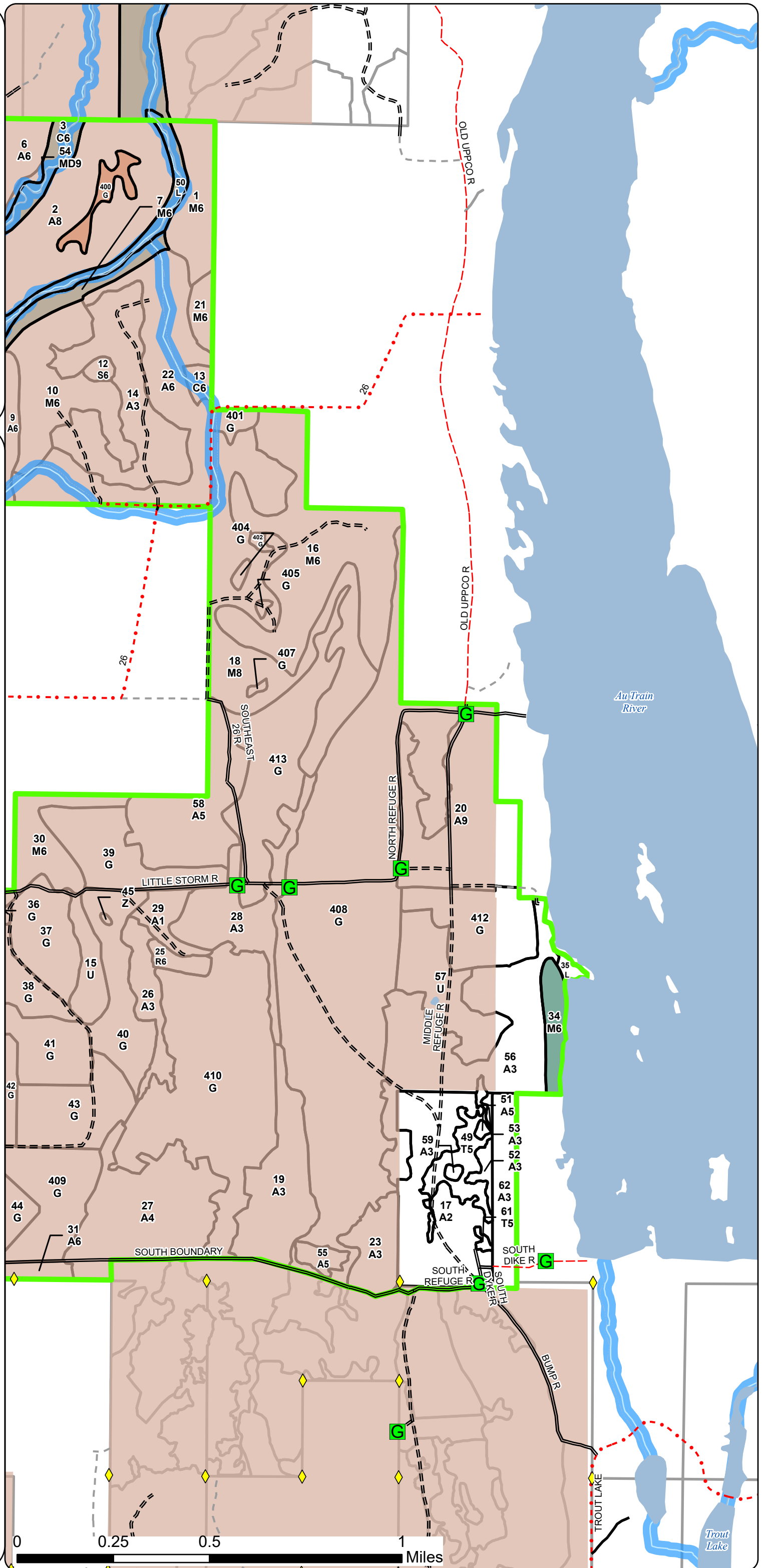
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- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Wildlife Research Areas
- Vernal Pool
- Other Habitat Area



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-  Vernal Pool
-  Other Habitat Area





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

Compartment 97 Year of Entry 2027



## 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	228	20	27	323	101	5	71	66	0	96	0	0	0	0	0	0	0	937
Cedar	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	36	0	40
Cropland	302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	302
Herbaceous Openland	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	568
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	28
Lowland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
Northern Hardwood	0	0	0	0	0	25	0	0	0	0	7	0	111	0	0	0	0	199	340
Red Pine	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
Tamarack	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Upland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>944</b>	<b>228</b>	<b>20</b>	<b>27</b>	<b>339</b>	<b>131</b>	<b>5</b>	<b>71</b>	<b>69</b>	<b>0</b>	<b>103</b>	<b>4</b>	<b>111</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>210</b>	<b>2323</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 97  
Total Compartment Acres: 2,322

Commercial Harvest - 484  
Harvests with Site Condition - 26  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	98	0	0	0	0	0	0	0	0	98
Northern Hardwood	0	154	0	0	0	0	0	0	0	154
Total	98	154	0	0	0	0	0	0	0	252

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	252	0	257	0	423	0	0	0	438	1371
Next Step	0	0	56	0	535	357	806	0	4894	6647
Total	252	0	313	0	958	357	806	0	5332	8018





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>4</b>	<b>32097004-Cut</b>	17.6	4110 - Sugar Maple Association	6	111	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Single tree selection, mark down to 60BA following complete marker guidelines. Expand existing gaps and create new ones in areas of advanced regeneration. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fir, and aspen. In addition											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Northern Hardwood											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2026											
<b>10</b>	<b>32097010-Cut</b>	39.5	4116 - Mixed N. Hardwood - Aspen	6	188	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Single tree selection, harvest stand to 60BA following the Northern Hardwood guidance and the complete marker guidelines. Release advanced hardwood regeneration where present. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fir											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> maple, basswood, spruce, fir, birch, cherry, aspen											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2026											
<b>15</b>	<b>32097015-NF</b>	13.1	320 - Upland Shrub	99			NonForestMgt	Openings Mgmt.	320 - Upland Shrub	Previous Inventory	No
<u>Prescription</u> Remove woody debris and vegetation by hand/mechanical removal of brush/vegetation from the opening to maintain the space, as well as											
<u>Specs:</u> pesticide application to be used as necessary to accomplish wildlife goals.											
<u>Next Step</u> Burn, Opening											
<u>Treatments:</u>											
<u>Acceptable</u> Grasses and short mixed-upland shrubs.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2026											
<b>16</b>	<b>32097016-Cut</b>	90.2	4110 - Sugar Maple Association	6	111	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Single tree selection, harvest stand to 80BA following the Northern Hardwood guidance and the complete marker guidelines. Release advanced hardwood regeneration where present. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fir											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> maple, basswood, spruce, fir, birch, cherry, aspen											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2026											



Standard

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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18 32097018.11_ Plant	92.5	4116 - Mixed N. Hardwood - Aspen	8	111	51-80	Planting	Planting (tree species)	411 - Northern Hardwood	Current	No
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Prescription Plant mast producing trees and shrubs for wildlife

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

19 32097019.13_ Plant	1.6	4134 - Aspen, Spruce/Fir	3	6	Immature	Planting	Planting (tree species)	413 - Aspen	Planting Record	No
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Prescription Plant mast producing trees and shrubs for wildlife

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

20 32097020-Cut	57.5	4130 - Aspen	9	75	51-80	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Planting Record	No
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Prescription Cut all trees over 2" DBH except cedar, hemlock, elm, yellow birch, and white pine. Area retention should include the hardwood component along the south and southwest stand edge, variable depending on hardwood regen presence. Additionally green tree some

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Maple, Fir, Spruce

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

21 32097021-Cut	6.7	4116 - Mixed N. Hardwood - Aspen	6	95	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Single tree selection, harvest stand to 60BA following the Northern Hardwood guidance and the complete marker guidelines. Release advanced hardwood regeneration where present. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fi

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, basswood, spruce, fir, birch, cherry, aspen

Regen:

Other Access into the stand will need a temporary bridge or timber mats across a tributary of Johnson Creek.

Comment:

Site Condition: Unknown Access

Proposed Start Date: 10/01/2026





Standard

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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22	32097022-Cut	29.5	4139 - Aspen, Mixed Deciduous	6	60	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, yellow birch, cherry, and white pine. Create 9-10 drumming logs of any species (9-15-inch DBH) at least 8 ft long immediately adjacent to a stump lying flat on the ground should be randomly left in the stan <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
22	32097022-Cutx	5.7	4139 - Aspen, Mixed Deciduous	6	60	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, yellow birch, cherry, and white pine. Retention areas site conditioned out along Johnson Creek to the north and along a tributary in the southeast. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir, hardwood <u>Regen:</u> <u>Other</u> Access into the stand will have to be with a temporary bridge or timber mats across a tributary of Johnson Creek <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
22	32097022-Cutxx	5.7	4139 - Aspen, Mixed Deciduous	6	60	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, yellow birch, cherry, and white pine. Retention areas site conditioned out along along a tributary in the southeast. Create 1-2 drumming logs of any species (9-15-inch DBH) at least 8 ft long immediately ad <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
27	32097027.14_Plant	51.4	4139 - Aspen, Mixed Deciduous	4	45	1-50	Planting	Planting (tree species)	413 - Aspen	Planting Record	No
<u>Prescription</u> Plant mast producing trees and shrubs for wildlife <u>Specs:</u> <u>Next Step</u> Monitoring, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



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

29 32097029.15\_ Plant 7.1 4130 - Aspen 1 30 Immature Planting Planting (tree species) 413 - Aspen Planting Record No

Prescription Plant mast producing trees and shrubs for wildlife

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

32 32097032.19\_ NF 63.0 211 - Cropland 99 NonForestMgt Openings Mgmt. 211 - Cropland Previous Inventory No

Prescription 2016

Specs:

Next Step NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Fruit Tree/Shrub Planting; Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Brush Cutting; NonForestMgt, Mowing; NonForestMgt, Mowing; NonFore

Treatments:

Acceptable

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

36 32097036.18\_ NF 33.8 2113 - Forage Crops 99 NonForestMgt Openings Mgmt. 211 - Cropland Previous Inventory No

Prescription The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The work needed will be done with the help of sharecropping, through the use of contracts, or with DNR personnel.

Specs:

These openings will

Next Step NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Mowing; NonForestMgt, Fruit Tree/Shrub Planting; Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt,

Treatments:

Acceptable

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026





Standard

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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37	32097037.17_NF	26.2	211 - Cropland	99		NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
<u>Prescription</u> The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The work needed will be done with the help of sharecropping, through the use of contracts, or with DNR personnel. <u>Specs:</u> These openings will <u>Next Step</u> Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Fruit Tree/Shrub Planting; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, Mowing; <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> Percent to Treat = 100% <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
38	32097038.37_NF	30.1	31021 - Cool Season Grass	99		NonForestMgt	Openings Mgmt.	31021 - Cool Season Grass	Previous Inventory	No
<u>Prescription</u> Forward FTP32-683 addendum for prescribed burn approved in 2013. Forward Out-of-Entry Year FTP W32-848 approved in April of 2015. The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The <u>Specs:</u> <u>Next Step</u> NonForestMgt, Fruit Tree/Shrub Planting; Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Fruit Tree/Shrub Planting; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, Mowing; <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
39	32097039.34_NF	32.9	3102 - Grass	99		NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
<u>Prescription</u> Forward Out-of-Entry Year FTP W32-848 approved in April of 2015. The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The work needed will be done with the help of sharecropping, through t <u>Specs:</u> <u>Next Step</u> Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Mowing; <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
40	32097040-NF	33.3	31021 - Cool Season Grass	99		NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
<u>Prescription</u> Trim, shelter, fertilize, and/or maintain planted trees/shrubs. Herbicide, plant/replant, fertilize, and/or mow to maintain planted cover crops as necessary. Monitor health and survival of planted trees/shrubs. Assess success and suitability for longevity <u>Specs:</u> <u>Next Step</u> Burn, Opening; ; ; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> Percent to Treat = 100% <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										



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
41	32097041.20_ NF	29.6	211 - Cropland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
<u>Prescription</u> <u>Specs:</u>  <u>Next Step</u> Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, <u>Treatments:</u> Fruit Tree/Shrub Planting; ; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceou  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
42	32097042.24_ NF	40.3	211 - Cropland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
<u>Prescription</u> 2016 <u>Specs:</u>  <u>Next Step</u> NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Fruit Tree/Shrub Planting; Pesticide, <u>Treatments:</u> (Inactive)Skidder/Mechanical; ; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceou  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
43	32097043.21_ NF	32.9	211 - Cropland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
<u>Prescription</u> <u>Specs:</u>  <u>Next Step</u> Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, <u>Treatments:</u> Fruit Tree/Shrub Planting; ; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceou  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
44	32097044.23_ NF	34.3	211 - Cropland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
<u>Prescription</u> <u>Specs:</u>  <u>Next Step</u> ; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, <u>Treatments:</u> Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, H  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



Standard

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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57 32097057.36_ Plant	52.1	320 - Upland Shrub	99			Planting	Planting (tree species)	320 - Upland Shrub	Previous Inventory	No
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Prescription Forward FTP W32-804 approved in 2013. Planting of hard and/or soft mast trees and/or shrubs to benefit wildlife.

Specs:

Next Step Planting, Interplant; Monitoring, Other - Specify

Treatments:

Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

58 32097058.12_ Plant	43.9	4130 - Aspen	5	30	Immature	Planting	Planting (tree species)	413 - Aspen	Planting Record	No
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Prescription Plant mast producing trees and shrubs for wildlife

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species.

Regen:

Other

Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

401 32097401.10_ Plant	4.6	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
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Prescription Plant mast producing trees and shrubs for wildlife

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species.

Regen:

Other

Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

402 32097402.27_ Plant	1.2	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
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Prescription Forward FTP W32-804 approved in 2013. Planting of hard and/or soft mast trees and/or shrubs to benefit wildlife.

Specs:

Next Step Planting, Interplant; Monitoring, Other - Specify

Treatments:

Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026





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
404	32097404.28_ Plant	1.3	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Forward FTP W32-804 approved in 2013. Planting of hard and/or soft mast trees and/or shrubs to benefit wildlife. <u>Specs:</u> <u>Next Step</u> Planting, Interplant; Monitoring, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
405	32097405.26_ Plant	0.8	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Forward FTP W32-804 approved in 2013. Planting of hard and/or soft mast trees and/or shrubs to benefit wildlife. <u>Specs:</u> <u>Next Step</u> Planting, Interplant; Monitoring, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
407	32097407.25_ Plant	0.7	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Forward FTP W32-804 approved in 2013. Planting of hard and/or soft mast trees and/or shrubs to benefit wildlife. <u>Specs:</u> <u>Next Step</u> Planting, Interplant; Monitoring, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
408	32097408.31_ Burn	247.5	310 - Herbaceous Openland	99			Burn	Prescribed Burn	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Au Train Wildlife Area - a unique SGA with over 500 acres of openings & shrublands. Opening management. Burning is necessary to reduce succession that is occurring, reducing the suitability of sharptailed grouse habitat. Burning will enhance habitat and <u>Specs:</u> <u>Next Step</u> Burn, Opening; NonForestMgt, Brush Cutting; Monitoring, Other - Specify <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Mechanical treatment may include trees > 4 inch dbh. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	<b>409 32097409.22_ NF</b>	34.7	211 - Cropland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
	<u>Prescription</u> <u>Specs:</u>  <u>Next Step</u> Burn, Opening; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Mowing; Pesticide, <u>Treatments:</u> (Inactive)Skidder/Mechanical; ; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
	<b>410 32097410.32_ Burn</b>	127.0	310 - Herbaceous Openland	99			Burn	Prescribed Burn	3102 - Grass	Previous Inventory	No
	<u>Prescription</u> Au Train Wildlife Area - a unique SGA with over 500 acres of openings & shrublands. Opening management. Burning is necessary to reduce <u>Specs:</u> succession that is occurring, reducing the suitability of sharptailed grouse habitat. Burning will enhance habitat and  <u>Next Step</u> Burn, Opening; NonForestMgt, Brush Cutting <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Mechanical treatment may include trees > 4 inch dbh. <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
	<b>412 32097412.33_ NF</b>	33.6	310 - Herbaceous Openland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
	<u>Prescription</u> Forward Out-of-Entry Year FTP W32-848 approved in April of 2015. The goal is to manage these openings for wildlife and to create a <u>Specs:</u> partnership with the local agricultural community. The work needed will be done with the help of sharecropping, through t  <u>Next Step</u> Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, <u>Treatments:</u> Fruit Tree/Shrub Planting  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
	<b>413 32097413.29_ Burn</b>	48.8	310 - Herbaceous Openland	99			Burn	Prescribed Burn	3102 - Grass	Previous Inventory	No
	<u>Prescription</u> Au Train Wildlife Area - a unique SGA with over 500 acres of openings & shrublands. Opening management. Burning is necessary to reduce <u>Specs:</u> succession that is occurring, reducing the suitability of sharptailed grouse habitat. Burning will enhance habitat and  <u>Next Step</u> Burn, Opening; NonForestMgt, Brush Cutting; Monitoring, Natural Regen (Intermediate) <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Mechanical treatment may include trees > 4 inch dbh. <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

Total Treatment  
Acreage Proposed: 1370.7



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Matt Yeo: Examiner

Compartment: 97  
Year of Entry: 2027



## Availability for Management

Total Acres    Acres Available    Acres With Condition    Acres Not Available

## Dominant Site Conditions

2B    5C    2G    2H    3J    5E

687	510	25	152	Aspen	6	20		96	37	20
39	0	0	39	Cedar			1		38	
302	302	0	0	Cropland						
568	568	0	0	Herbaceous Openland						
28	0	0	28	Lowland Conifers			28			
22	20	0	2	Lowland Shrub					2	
2	3	0	0	Lowland Spruce/Fir						
11	0	0	11	Mixed Upland Deciduous					11	
301	226	7	69	Northern Hardwood	7				69	
5	5	0	0	Red Pine						
16	16	0	0	Tamarack						
46	46	0	0	Upland Shrub						
6	6	0	0	Water						
2,033	1,701	32	300	Total Forested Acres	12	20	29	96	156	20
	84%	2%	15%	Relative Percent						

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

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		3J: Water quality/BMPs (stream, river, or lake)	25	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable		2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	96	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3G: Other influence zones - See comments	3J: Water quality/BMPs (stream, river, or lake)	Unspecified
Comments:								

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Matt Yeo: Examiner

Compartment: 97  
Year of Entry: 2027



3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High priority trout stream buffer and cold water streams buffer.							
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	54	3G: Other influence zones - See comments	2F: Too steep	Unspecified	Unspecified
Comments: 200 foot Cold water stream buffer per Cory Kovacs and Audrey Baetz recommendation.							
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Matt Yeo: Examiner

Compartment: 97  
Year of Entry: 2027



9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water stream buffer from Conservation Area Review Application							
11	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 100 foot Cold water stream buffer from Conservation area review application and per Audrey Baetz recommendation.							
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Large vernal pool in the West (25 foot buffer with selective cutting) and then a steep slope to the east just south of the black spruce stand.							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention including maple dominated areas and areas of heavy maple regeneration							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Matt Yeo: Examiner

Compartment: 97  
Year of Entry: 2027



15	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Access into the stand will need to be through private property in the east.							
24	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
54	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> High priority trout stream buffer							

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
Comments				



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
1	4119 - Mixed Northern Hardwoods	Poletimber Well	24.5	188	81-110	N/A	OPIC - FMD: Part of area is nice hardwood but has steep hills and a ridge down to creek. Some aspen especially north along creek. Feeder stream southwest. Difficult to log. High riparian values. Only about 1/3 of the stand is loggable if access could be had from private land. Mixed hardwood contains minor amounts of cherry,yellow birch,basswood. Softwood is mostly spruce and fir.2025: Rolling hills to low bottoms, steep terrain, difficult to log like mentioned above. Mainly an M6 stand, S maple dominant, some basswood, aspen, Y birch, R maple, fir. Good amount of scattered aspen, some large overmature aspen. Some S maple and fir regen. Mainly pole timber throughout, some logs, access into the stand is difficult with terrain, streams, and private property. Areas of more dense fir regen, lots of aspen along southern edge.																																															
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>60</td><td></td><td>8</td><td>188</td></tr><tr><td>Basswood</td><td>15</td><td></td><td>8</td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Quaking Aspen</td><td>15</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td></td><td>8</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH		Age	Sugar Maple	60		8	188	Basswood	15		8		Yellow Birch	5		10		Quaking Aspen	15	Seedling	8		Red Maple	5		8				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable	Sugar Maple	Medium	Variable	Variable						
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2	4130 - Aspen	Sawtimber Medium	95.8	95	51-80	N/A	OPIC - FMD: Johnson creek splits into two forks and rejoins downstream. This stand is in the center. There is also a spring fed or drainage stream in stand which joins Johnson creek. Not well-stocked mostly due to long-term beaver activity. Some patches of A6 however. Most aspen mature or overmature but some trees look a little younger and will last for a couple decades yet. Hawthorn and hazel in the understory and some open areas, some areas quite thick and impenetrable. Grass openings throughout stand. Aspen has some hypoxilin. Some Spruce/fir type along stream where beaver have eliminated all aspen. High riparian values. Difficult and economically unfeasible to log. The small amount of hardwood here is mostly scrub cherry or red maple.2025: Above comments accurate, stand is surrounded by water, unable to get boots on the ground, site conditions in place.																																															
3	6120 - Lowland Cedar	Poletimber Well	35.5	160	81-110	N/A	OPIC - FMD: Scattered trees not thickly stocked. Mix of F,Q,E types. Moxtly Q. Alder in some areas. High riparian values. Big cedar west along creek.2025: Heavy cedar pockets, especially by the creek, lots of spruce/fir. Lots of tag alder and spruce/fir in the understory. Trace amounts of Y birch and B ash (mostly dead), some scattered large diameter spruce/cedar. Low wet ground along the creek, some dieback and beaver sign also present.																																															
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4	4110 - Sugar Maple Association	Poletimber Well	17.6	111	81-110	N/A	OPIC - FMD: Thinned under contract #36-97-01 in 1999. Some sparse areas where the aspen was cut out. Most of the stand has good quality timber and potential. Good regeneration in spots of 6' tall. Also minor amounts of yellow birch in this stand. Some ironwood especially in the regeneration. 2015-lots of trillium, pockets of older higher stocked timber. More sugar saps further south. Occasional wb,aspen, balsam fir. Lots of doubles and triples.2025: Lots of size class variability within the stand. Areas of good quality well stocked S maple pole timber 4-8" some scattered logs. Areas of heavy regeneration pockets, ironwood regen is high, S maple regen is med to high in areas. Trace amounts of cherry, aspen, and P birch. BA is variable with the size class distribution and regen pockets, averaged around 80-100. Possible harvest now or next inventory, lots of regen and lots of poles on the verge of becoming logs.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
10	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	44.6	188	81-110	N/A	OPIC - FMD: Cut in 1988. Thinned plus elm salvage left low BA areas then. Some areas could do a light thinning but most of stand, over 3/4, BA below 100. M3 2" dbh throughout stand and 2 stick in gaps, mostly sugar maple. Most hardwoods still crown room. Good potential. Some steep slopes especially NE. Ironwood, red maple, and aspen are most of the rest of the hardwood species here. Some softwood. 2015-stand contains large vernal pond. 2025: East finger has steep hill where operability would be tough. Good amount of R maple and aspen near east edge, next to a recent aspen clearcut. Aspen mix throughout the stand, especially around the stand edges as the stand is surrounded by aspen stands. Species mix of aspen, S maple, basswood, Y birch, ironwood, few scattered R maple. S maple is pole/log size, crowns are small and pretty spaced out, little to no crowding in areas, scattered large overmature aspen present to. Some areas are heavier to pole timber, some logs, good amount of maple clumps. Low wet vernal pond area in the middle north of the stand that is site conditioned. Trace amounts of P birch, ironwood, cherry, W spruce. North part of the stand by the river has a higher fir component, mainly poletimber dominant. Stand BA averaged around 80-110, not much regeneration.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	20		9		Sugar Maple	Medium		Variable	Variable
Yellow Birch	5		14		Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Red Maple	15		8		Ironwood	Low		Variable	Variable
Basswood	15		14						
Sugar Maple	45		12	188					
11	500 - Water	None	1.1			No	2025: Open water pond surrounded by aspen mainly, some scattered R maple and cherry to.		
12	6122 - Black Spruce	Poletimber Well	2.5	70	51-80	N/A	OPIC - FMD: S3 and up to 3-Stick spruce. Small pothole bog. vernal swale connects this with bog east.2025: Spruce sap/pole, 2-3 sticks in spots, lots of saplings on the verge of becoming poles 4-8" avg range. Trace amounts of red maple, fir, Y birch, W pine, and tag alder regen species. Leatherleaf visible on ground floor. Some scattered more open canopy areas with standing dead trees.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	100	Sapling	6	70	Black Spruce	High		Variable	Variable
					Tag Alder	Low	Variable	Variable	
13	6120 - Lowland Cedar	Poletimber Well	3.7	106	111-140	N/A	OPIC - FMD: Flooded stand. Beaver sign but not present now. Scattered trees. Lowland brush in most areas.2025: Dense cedar stand, mix of poles/logs, appears healthy. Trace amounts of R maple, fir/spruce, B ash, and tag alder. Some open canopy areas, lowland wet area. Open areas and dense cedar areas. West to southwest edge borders up to a stream, heavy to tag alder and more open.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern White Cedar	100		9	106	Balsam Fir	Low		Variable	Variable
					Tag Alder	Low		5 - 10 feet	5 - 10 feet
					Black Ash	Low	Variable	Variable	
14	4134 - Aspen, Spruce/Fir	Sapling Well	56.9	6		N/A	Cut 2019. Sale #32-32-18 Big Burger Aspen, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut black cherry and cedar .OPIC - FMD: A6 3-4 stick average. Patches of fir 1-2 stick. Scattered balsam poplar, elm, cherry. Most of stand has 1-2"dbh sugar maple understory. 2015-Very high site quality, trillium, may apple, cohosh. Lots of aspen going down, let convert to sugar maple. A4M32025: Cut in 2019, regenerating well, mainly aspen saplings, some cherry and S maple 2-3" left in overstory from previous harvest, some of the cherry is pole size. Also scattered spruce/fir.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	20	Log	1		White Spruce	Low		Variable	Variable
Sugar Maple	5	Pole	3		American Elm	Low		Variable	Variable
Black Cherry	5	Pole	4		Black Cherry	Low		Variable	Variable
Quaking Aspen	70	Log	1	6	Sugar Maple	Medium		Variable	Variable







Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
21	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	6.7	95	81-110	N/A	OPIC - FMD: Hillside not too steep in spots. Aspen stand to convert to hardwood. Access would be good through private but looks unfeasible there due to development. Access through state has wet area with intermittent stream and hillside to contend with. We will defer this stand this entry period and let stand convert to hardwood naturally and revisit for possible partial harvest in 2017. Aspen will decline and provide wildlife and other values here.7/19/23: Updated to non-OI cover type.2025: Basically an M6 stand with a good mix of aspen. Some hills, not too steep, some pockets of heavy regen, mainly pole S maple. R maple scattered throughout, a good amount of overmature aspen present too. Trace amount of fir, cherry, ironwood, P birch. Stand could be treated, access is difficult as mentioned above.																																																								
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22	4139 - Aspen, Mixed Deciduous	Poletimber Well	70.7	60	51-80	N/A	OPIC - FMD: Buffer stand left when stand 14 was cut. Steep hillside mostly, down to immediately wet ground. Couple acres of flat ground possible to log. High riparian value.2025: Retention/buffer area left when stand 14 was cut. Lowland creek area running thru some of the stand that is site conditioned. Traces of alder, ash, and cedar follow the lowland creek area in some spots. Mainly overmature aspen with some red maple, cherry, and fir, trace amounts of spruce. Areas of blowdown/dieback with down trees scattered, also areas of heavy fir pockets.																																																								
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23	4139 - Aspen, Mixed Deciduous	Sapling Well	17.7	6	Immature	N/A	11/20/19 PH: Refuge Aspen #32-0170172015: This stand is merchantable and could cut. Could hold since age is not quite there for harvest, but is close. Most aspen is 5 stick but some smaller. Diverse areas with heavy hardwood and softwood component. Some sparse areas with smaller trees. Basswood, balsam poplar, and red maple in stand. Also balsam fir. 2015-final harvest on aspen, retaining cherry, and most elm.2025: Uncut area of the stand is mainly aspen sap/pole 6"avg, some cherry/ fir sap/pole, aspen is mainly 1-3 sticks. Cut area is mainly aspen and S maple saplings, some overstory maple pole/log, cherry poles, elm pole, and spruce/fir left as residual species. Some open canopy less stocked areas.																																																								
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24	500 - Water	None	1.4			No	2025: Open water pond area, scattered willow, aspen, R maple, P birch, cherry, spruce/fir.																																																								
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25	42110 - Planted Red Pine	Poletimber Well	5.2	48	111-140	N/A	OPIC - FMD: Mostly 3-5 stick red pine plantation. Thinned 2009 by roy nelson permit #33-07-01. . Some porcupine damage. Some cherry in stand will be left for diversity. 5-6 stick poles.2025: Red pine log stand, appears healthy, lots of cherry saplings underneath, few cherry poles/logs. Thinned in 2009. Diameter ranges from 8-16", majority around 10-14". Scattered open canopy spots, especially in the west half, lots of cherry regen. Trace amounts of S maple sap/pole and ironwood. BA spins consistently in the 110-140 range.																																																								
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26	4139 - Aspen, Mixed Deciduous	Sapling Well	16.1	6	51-80	N/A	11/30/19 PH: Refuge Aspen #32-017-172015: Mostly 3-5 stick young aspen. 1" dbh sugar maple understory. Cherry,sugar maple, ironwood,elm mixed in. Diverse stand tending towards hardwood. 2015- trillium, may apple. 2025: Cut in 2019, cut area is mainly 1" aspen with mixed in S maple sap/pole/log, cherry sap/pole, elm pole, basswood pole, ironwood sap/pole. North area of stand has the highest presence of residual overstory trees. Some topo, minor hills/slope. Scattered more open canopy areas and pockets of raspberry, trace amounts of R maple and fir. Uncut area mainly the southern tip of the stand, mix of aspen and maple poles.			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size	
Ironwood	7	Sapling	7		Ironwood	Medium		Variable	Variable	
Quaking Aspen	40	Log	1	6	Sugar Maple	Medium		Variable	Variable	
Black Cherry	20		10							
Basswood	2		8							
Bigtooth Aspen	6	Log	1	6						
Sugar Maple	15		6	6						
American Elm	10	Seedling	8							
27	4139 - Aspen, Mixed Deciduous	Poletimber Poor	61.1	45	1-50	N/A		2015 - Planted 30 red/burr oak along SE edge along plow line for adjacent prescribed burn.OPIC - FMD: Sparse in areas. Grass areas filling in over the years. Most area trees 3-4 stick, some larger. Poor quality aspen showing hypoxylon. Some white pine, fir, cherry, ironwood, and red maple in stand. 2015-A4U2025: Decently accurate above description. Aspen log presence more in SE corner of stand, some topography, hill with some slope also in the SE part of the stand. Trace amounts of S maple and B fir. Canopy is very open throughout the stand, areas of open grass and cherry shrub. Scattered regen pockets throughout, some scattered large W pine, pockets of heavy ironwood regen. Size and stocking variable throughout, overstory log trees scattered throughout open areas and areas of heavy regen. Mainly aspen dominant, lots of scattered cherry throughout, sap/pole, few log, mainly pole and sap sizes of trees throughout. Basically an old opening that is filling in with trees.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size	
Basswood	5		10		Red Maple	Low	Variable		Variable	
Quaking Aspen	50		9	45	Balsam Fir	Low	5 - 10 feet		5 - 10 feet	
Black Cherry	15		8		White Pine	Low	5 - 10 feet		5 - 10 feet	
Red Maple	10		10		Black Cherry	High	Variable		Variable	
White Spruce	5		12		Sugar Maple	Low	Variable		Variable	
White Pine	5		14		Ironwood	High	Variable		Variable	
American Elm	10		8							
28	4130 - Aspen	Sapling Well	36.6	6	Immature	N/A	11/30/19 PH: Refuge Aspen #32-017-172015: 2-3 stick aspen. Hypoxylon in most areas. Thick M3 in most areas red maple with some sugar. Aspen not good quality. Some of stand is hillside(ancient riverbank) and is younger aspen by about 10 years. 2015- 3-5' aspen of 2 size classes--11" and up and 6-8"2025: Part of stand cut in 2019, the cut area is now mainly aspen sap 1" with some maple sap/poles and cherry sap/poles, few scattered fir. The cut area had some residual pole cherry, aspen, elm, R maple, fir/spruce. The uncut retention area is composed of mainly pole/sap aspen 6" avg, a good bit of pole/sap cherry 7" avg, and R maple sap/pole 6" avg. Regen in uncut area is R maple sap med, Cherry sap low. Some larger 8-10" aspen/cherry and trace amounts of fir, elm, W pine, W spruce. Aspen in uncut area is mainly 2-3 sticks, some 4. The SW portion of the stand is a steeper hillside with sap/pole of R and S maple, cherry, and ironwood with some fir/cherry regen. The stand does have some scattered more open areas.			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size	
Black Cherry	10	Sapling	5		Black Cherry	High		Variable	Variable	
Sugar Maple	5	Sapling	5		Balsam Fir	Low		Variable	Variable	
Red Maple	3	Log	1		Sugar Maple	Low		Variable	Variable	
Balsam Fir	2	Log	1		Red Maple	Medium		Variable	Variable	
Quaking Aspen	80	Log	1	6						
29	4130 - Aspen	Sapling Poor	10.1	30	Immature	N/A		2015 - planted 20 burr/red oak in open area, se portion of this stand. Rocky soils.OPIC - FMD: This areas is coming into aspen from former open. Some of stand is scattered cherry. More well-stocked aspen east and more scattered cherry or upland brush west. 2015: Young aspen clones with upland brush..mostly cherry.2025: Above comment from 2015 very accurate. Mostly open area with lots of cherry and some scattered aspen, few fir trees. Aspen is in scattered pockets, main aspen component along road in the north edge of the stand. Aspen sap/pole 6"avg with lots of cherry sap, some cherry pole.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height	Size
Quaking Aspen	75	Sapling	6	30	Balsam Fir	Low			5 - 10 feet	5 - 10 feet
Black Cherry	25	Sapling	6		Black Cherry	High	Variable		Variable	



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

30

4116 - Mixed N. Hardwood - Aspen

Poletimber Well

25.4

47

51-80

N/A

Canopy Species

% Cover

Size Class

DBH

Age

White Spruce

3

10

Quaking Aspen

20

10

Black Cherry

5

Seedling

8

Sugar Maple

56

8

47

Balsam Fir

5

Seedling

6

Yellow Birch

2

10

Ironwood

3

Seedling

6

Basswood

6

9

Sub-Canopy Species

Density

Avg. Height

Size

Sugar Maple

High

Variable

Variable

Balsam Fir

Low

Variable

Variable

Ironwood

Medium

Variable

Variable

OPIC - FMD: Mostly M6M3 just coming into pole size but areas of 2-3" dbh sugar maple. Some aspen on east edge but mostly a young hardwood stand. A lot of sprout origin trees but good potential here for hardwood management. Possible to clearcut and manage for aspen too. Will take more than one thinning to see good improvement. BA low in poles and overall too small yet for any cut. 2025: Aspen component heavier along stand edge next to opening and along the road. Mainly S maple poles some logs, some basswood poles/logs, ironwood poles, Y birch pole/log, cherry pole, few large W spruce. Some topography in the middle of the stand, minor hills/slope. Trace amounts of P birch. Variable BA throughout with size classes, scattered pole/log size trees among lots of saplings. Mainly M6/M3, lots of S maple saplings that are close to or at pole size with scattered mixed in larger timber, too small to cut yet.

31

4130 - Aspen

Poletimber Well

86.7

36

51-80

N/A

Canopy Species

% Cover

Size Class

DBH

Age

American Elm

3

Seedling

7

Quaking Aspen

77

Sapling

7

36

Balsam Fir

3

Sapling

6

Paper Birch

2

Sapling

6

Black Cherry

10

Sapling

6

Sugar Maple

5

Sapling

7

Sub-Canopy Species

Density

Avg. Height

Size

Sugar Maple

High

Variable

Variable

Paper Birch

Low

Variable

Variable

Balsam Fir

Low

Variable

Variable

OPIC - FMD: A5A3 average 4-6" dbh well-stocked mostly except for some non-stocked wet swales and a few areas of cherry. Some areas are 2" dbh sugar maple. Some older residual hardwood. Fir mixed in spots. Some white birch on old skid trails seeded in. Some areas still A3 4". Rubus ground cover.2025: Very accurate above comments. Aspen pole dominant 6-8"avg, some diameter variability throughout sap/pole, mainly poles throughout across all species. Some mixed in cherry poles, scattered S maple pole trees, lots of S maple regen, few elm poles, trace amounts of spruce/fir/P birch. Stand appears healthy and will most likely be ready to harvest during the next inventory. Few scattered more open areas and some low more wet areas near the lowland stand in the east and northeast, flooded out areas and ash swales. The conifer component and P birch component mainly followed the trails throughout the stand.

32

211 - Cropland

None

68.1

Yes

Sub-Canopy Species

Density

Avg. Height

Size

Mixed Legumes

Low

Not Applicable

Not Applicable

Mixed Grasses

High

Not Applicable

Not Applicable

2015 - Sharecropper hay field was mowed. 35 burr and red oak trees were planted along the edge between Std 332 and Std 33.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit F.2025: Accurate above comments. Several ponds within the opening, overall mainly grassland, few scattered shrubs/trees/brush.

33

6128 - Lowland Coniferous, Mixed Deciduous

Poletimber Medium

27.6

125

51-80

N/A

Canopy Species

% Cover

Size Class

DBH

Age

Black Spruce

11

Seedling

9

Red Maple

8

Seedling

9

Balsam Poplar

8

Seedling

7

Quaking Aspen

10

Seedling

7

Northern White Cedar

38

10

125

Weeping Willow

5

10

Balsam Fir

20

9

Sub-Canopy Species

Density

Avg. Height

Size

Tag Alder

Medium

5 - 10 feet

5 - 10 feet

Balsam Fir

Medium

Variable

Variable

OPIC - FMD: Beaver flooded area in past but now drained(spring 2005). Dead trees in those areas. Spring emerges from ground north and flows south to disappear back underground. Large flow of several gallons per minute. Early settlers modified spring origin with pipes still in place. Unique stream here protected by biodiversity stewardship designation. C6 and Q6 south in a few areas. Couple acres of upland 5-stick aspen east side included. Overall stand is Q5.2025: Accurate above comments. Open water flowing during inventory, also large flooded out areas with dead trees. Ok quality aspen in the N/NE, B poplar along east edge. Dense cedar areas along the waters edge. Ok spruce/fir component as well. Scattered P birch in areas. Area is very wet and site conditioned, also some scattered more open canopy areas due to flooding.

Michigan



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

34

4110 - Sugar Maple Association

Poletimber Well

11.1

111

81-110

N/A

Canopy Species

% Cover

Size Class

DBH

Age

Basswood

10

14

Black Cherry

15

12

Sugar Maple

75

12

111

Sub-Canopy Species

Density

Avg. Height

Size

Leatherwood

Low

5 - 10 feet

5 - 10 feet

Sugar Maple

Medium

Variable

Variable

Balsam Fir

Medium

5 - 10 feet

5 - 10 feet

OPIC - FMD: Trees are large with a lot of rot, cankers and other defects. Much pulp and low quality logs. Good den trees here. Hardwood right to basin edge. Regeneration is 8' tall well-stocked sugar maple. Decided to add to potential old growth or biodiversity maintenance to provide good habitat for wood ducks or hooded mergansers next to the basin. 2015-retain as riparian stand for the above habitat reasons.2025: Hardwood stand that borders up to the basin. Quality is ok, some rotted out defect trees. S maple dominated pole/log with come cherry and basswood pole/log. Some fir regen and a good amount of S maple regen. Site conditioned for buffer protection/wildlife habitat/riparian area.

35

6229 - Mixed Lowland Shrub

None

2.0

No

36

2113 - Forage Crops

None

33.8

Yes

Sub-Canopy Species

Density

Avg. Height

Size

Clovers

Medium

Not Applicable

Not Applicable

Mixed Grasses

Medium

Not Applicable

Not Applicable

2015 - Mowed by sharecropper.OPIC - FMD: This area is intensively managed by Wildlife Division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit M.2025: Accurate above comments. Open managed area, little to no shrubs/brush.

37

211 - Cropland

None

26.2

Yes

Sub-Canopy Species

Density

Avg. Height

Size

Mixed Grasses

Full

Not Applicable

Not Applicable

2015 - Mowed by sharecropper.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit E.2025: Above comments accurate, little to no brush/shrubs, grass opening mainly.

38

31021 - Cool Season Grass

None

30.1

Yes

Sub-Canopy Species

Density

Avg. Height

Size

Mixed Grasses

Full

Not Applicable

Not Applicable

OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit K.2025: Accurate above comments, managed grassland, little to no shrubs/brush.

39

3102 - Grass

None

33.4

Yes

Sub-Canopy Species

Density

Avg. Height

Size

Spotted Knapweed

Medium

Not Applicable

Not Applicable

Mixed Grasses

Medium

Not Applicable

Not Applicable

OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit J.2025: Accurate comments above, stand is mainly open grassland, few brush/shrubs.

40

31021 - Cool Season Grass

None

33.0

Yes

Sub-Canopy Species

Density

Avg. Height

Size

Mixed Grasses

Full

Not Applicable

Not Applicable

2019 - Burned opening with adjacent stand 15.2015 - Sharecropper mowed south part of this opening. SE edge has red and burr oak planted along edge.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit I.2025: Accurate above description, mainly open grass/crop land, little to no shrubs/brush.

41

211 - Cropland

None

29.6

Yes

Sub-Canopy Species

Density

Avg. Height

Size

Mixed Grasses

Medium

Not Applicable

Not Applicable

Mixed Legumes

Medium

Not Applicable

Not Applicable

2015 - Mowed in 2015 by sharecropper.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit D.2205: Accurate above comments, managed grassland, little to no shrubs/brush.

Michigan



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
42	211 - Cropland	None	40.3			Yes	2015 - Frost seeded with clover by sharecropper. OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit A.2025: Accurate above comments.
43	211 - Cropland	None	32.5			Yes	2015 - Mowed by sharecropper.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit C.2025: Accurate above comments.
44	211 - Cropland	None	34.7			Yes	2015 - Frost-seeded and mowed in 2015 by sharecropper. OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit B.2025: Accurate above comments.
45	500 - Water	None	0.4			No	OPIC - FMD: DNR made pond 1980's holds water most of year.2025: Small pond surrounded by some scattered low quality aspen, cherry, and P birch.
46	500 - Water	None	1.6			No	OPIC - FMD: DNR made pond 1980's, holds water most of the year.2025: Open pond area surrounded by aspen mainly with some scattered cherry and elm.
47	500 - Water	None	1.2			No	OPIC - FMD: DNR made pond, holds water most of the year.2025: Open pond area surrounded by willow and alder, lots of shrubs/brush surrounding the area.
49	42300 - Planted Larch	Poletimber Medium	15.0	37	51-80	N/A	A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhaeuser purchased Plum Creek in 2016. The timber rights stay with Weyerhaeuser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. European larch planted by Plum Creek.2025: Tamarack poles mainly 6-8" avg, some smaller some larger, canopy is semi open, variable stocking in some areas and some openings. Some scattered aspen present as well. 2-3 stick average with the tamarack, trace amounts of cherry saplings and raspberry in the understory. Stand appears healthy overall, saw a few trees with some evidence of porcupine damage.
50	622 - Lowland Shrub	None	20.3			No	OPIC - FMD: Lowland brush with some marsh along Johnson creek.



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																								
61	42300 - Planted Larch	Poletimber Medium	1.0	37	51-80	N/A	A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhaeuser purchased Plum Creek in 2016. The timber rights stay with Weyerhaeuser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. European larch. 2025: Tamarack poles mainly 6-8"avg, some smaller some larger. Canopy has some semi open areas with variable stocking. Some scattered aspen present. 2-3 stick avg for tamarack, trace amounts of cherry saplings and raspberry in understory. Stand appears healthy overall.																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Larch (non-native)</td><td>95</td><td>Sapling</td><td>7</td><td>37</td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Sapling</td><td>6</td><td>37</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Larch (non-native)	95	Sapling	7	37	Quaking Aspen	5	Sapling	6	37	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Low	Variable	Variable	Black Cherry	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																											
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Black Cherry	Low	Variable	Variable																												
62	4130 - Aspen	Sapling Well	20.4	10	Immature	N/A	2025: Stand must have been harvested by Weyerhaeuser before their timber rights expired in 2019. Old paint lines still visible. Stand is mainly Aspen saplings 2-3"avg, with some scattered cherry sap 3"avg. There was some larger scattered pole sized aspen and cherry. Canopy has some open areas of less stocking. Regen is noticeably larger in this stand compared to the nearby A2 stands in the west. Regen in this stand is variable throughout 1-3" with scattered pole sized trees throughout. Few scattered spruce/fir, lots of cherry clumps, trace amounts of S maple and overstory fir/spruce.																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>20</td><td>Log</td><td>3</td><td></td></tr><tr><td>Quaking Aspen</td><td>50</td><td>Log</td><td>2</td><td>10</td></tr><tr><td>Bigtooth Aspen</td><td>30</td><td>Log</td><td>2</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Cherry	20	Log	3		Quaking Aspen	50	Log	2	10	Bigtooth Aspen	30	Log	2										
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Quaking Aspen	50	Log	2	10																											
Bigtooth Aspen	30	Log	2																												
400	310 - Herbaceous Openland	None	7.9			No	OPIC - FMD: grass opening filling in a little bit but some beaver activity as well on island between forks of Johnson creek.2025: Above comments accurate, stand is isolated and surrounded by water, unable to get boots on the ground.																								
401	310 - Herbaceous Openland	None	4.6			No	2015 - planted 45 red/burr oak within this stand.OPIC - FMD: Open area probably old pasture or other agricultural field from homestead days. Filling in with trees on edges.2025: Mainly open area with some scattered trees, mainly cherry/spruce/fir, some poles mainly saplings. Trace amounts of red maple and white pine.																								
402	310 - Herbaceous Openland	None	1.2			No	2015: Small opening filling in.2025: Accurate above comment, really starting to fill in with trees, scattered Red maple, cherry, birch, fir.																								
404	310 - Herbaceous Openland	None	1.3			No	2015: Small forest opening filling in.2025: Small opening filling in with scattered cherry, red maple, fir, birch.																								
405	310 - Herbaceous Openland	None	0.8			No	OPIC - FMD: OI Stand Year Origin was 2025: Small open area with trail running thru it, scattered cherry, fir, and red maple, trees encroaching.																								
407	310 - Herbaceous Openland	None	0.7			No	Small forest opening.2025: Small opening that is starting to fill up with trees, good number of trees encroaching in and starting to fill the opening.																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
408	310 - Herbaceous Openland	None	250.6			Yes	OPIC - FMD: Mostly scattered cherry. Other trees invading. Would like to burn this some time this next entry period to maintain in an open condition. Central area of stand (Burn Unit 4) was treated with a Rx Burn (FTP #F32-648) on September 10, 2011. Three other burn units within this stand remain unburned (Units 1, 2 and 5), though control lines are in place. Mop-up and monitoring occurred on September 11, 2011. 2015-Grass opening converting to upland brush. Knapweed throughout. Additional burning of this stand will only hasten the conversion to brush.2025: Very open, lots of scattered cherry, some aspen, turning into more brush than grass. Mainly cherry saplings with scattered spruce/fir.
409	211 - Cropland	None	36.3			Yes	13 acres rocked raked and planted to clover. Oat were seed drilled in 2015. 130 red/burr oaks planted in along the east perimeter and area not sharecropped in 2015.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit H.2025: Accurate above comments, mainly open area, few scattered trees mainly along stand edges and in the NW.