



# 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**

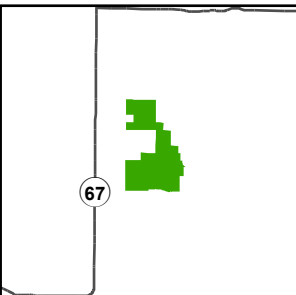
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

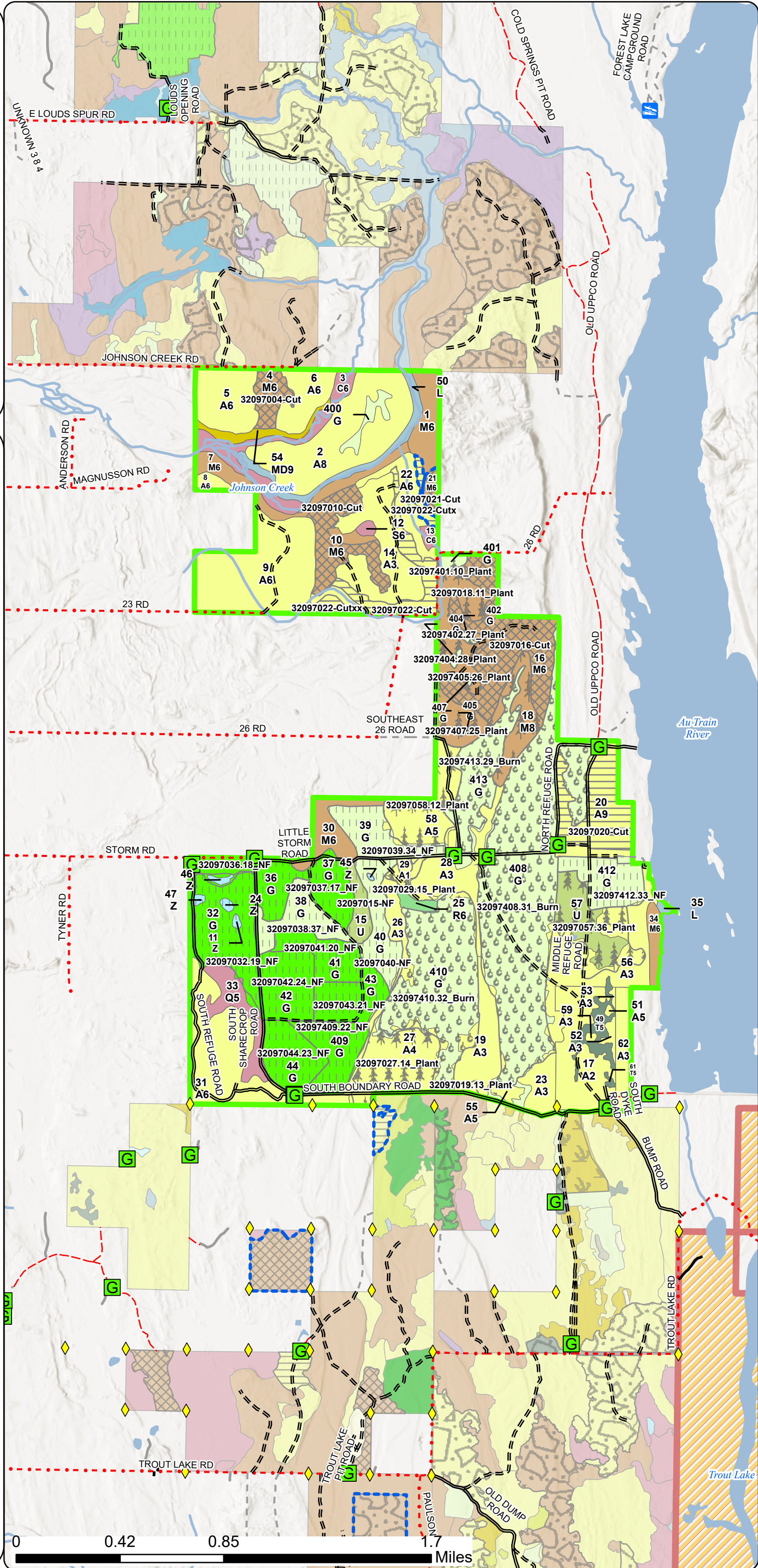


**Cover Type & Treatments Map**

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: 12/15/2025  
Map Phase: Post Review



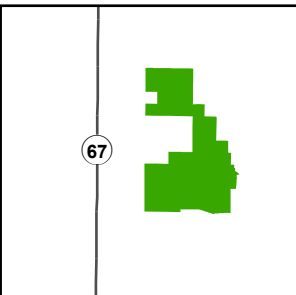
- Survey Grade Corners
- Boating Access Site
- Berm
- Gate
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Planting (tree species)
- Prescribed Burn
- Openings Mgmt.
- Clearcut
- Selection
- Pesticide
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 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



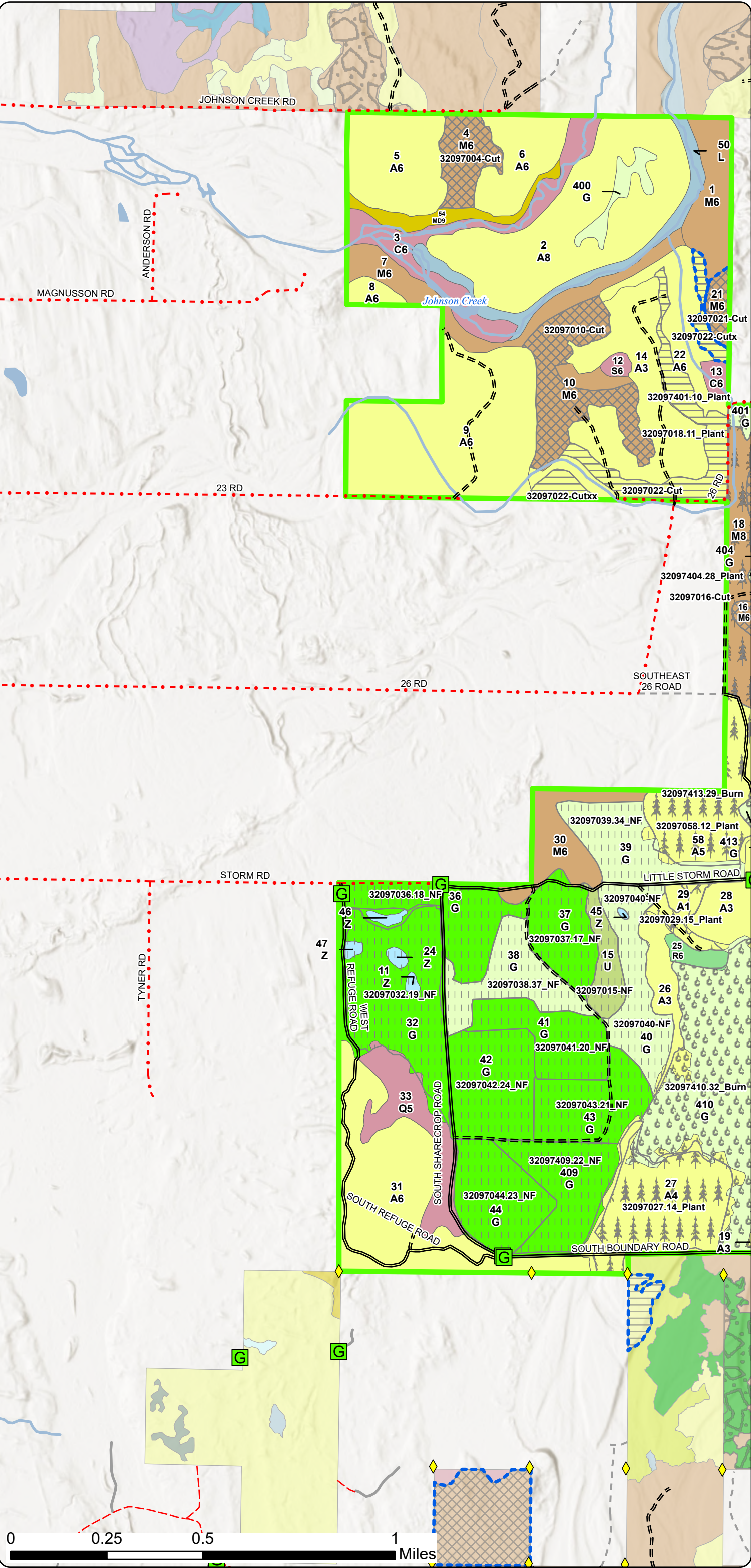


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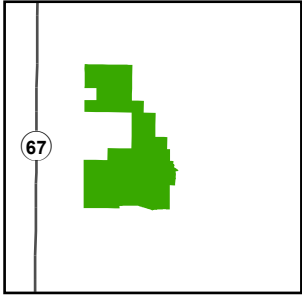


- Survey Grade Corners
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- Compartment Boundary
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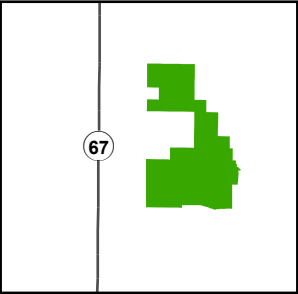


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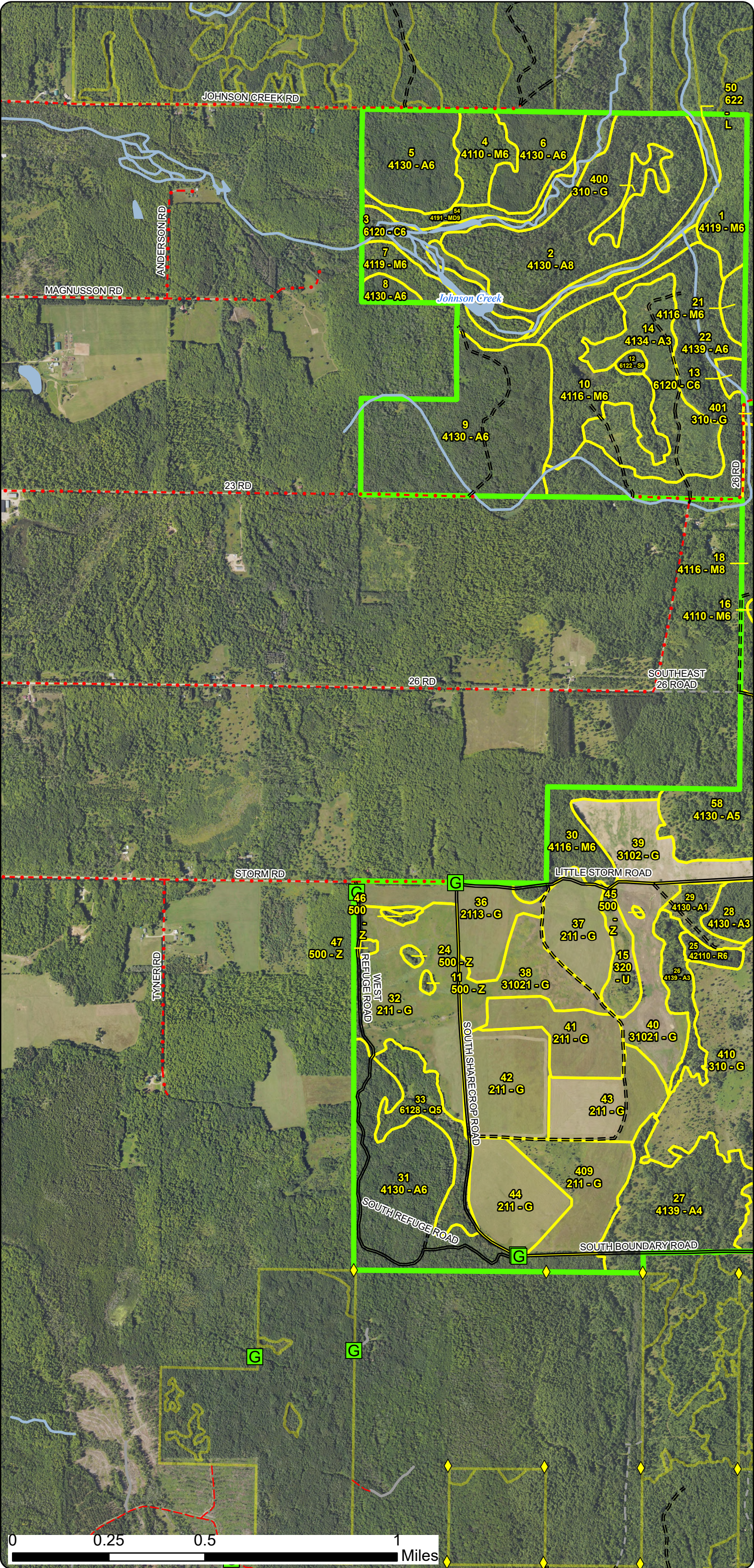


Stand Boundary  
Map

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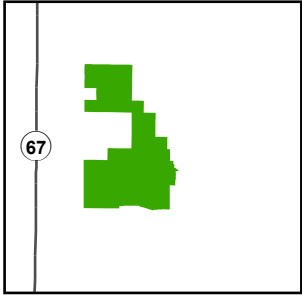






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- Compartment Boundary
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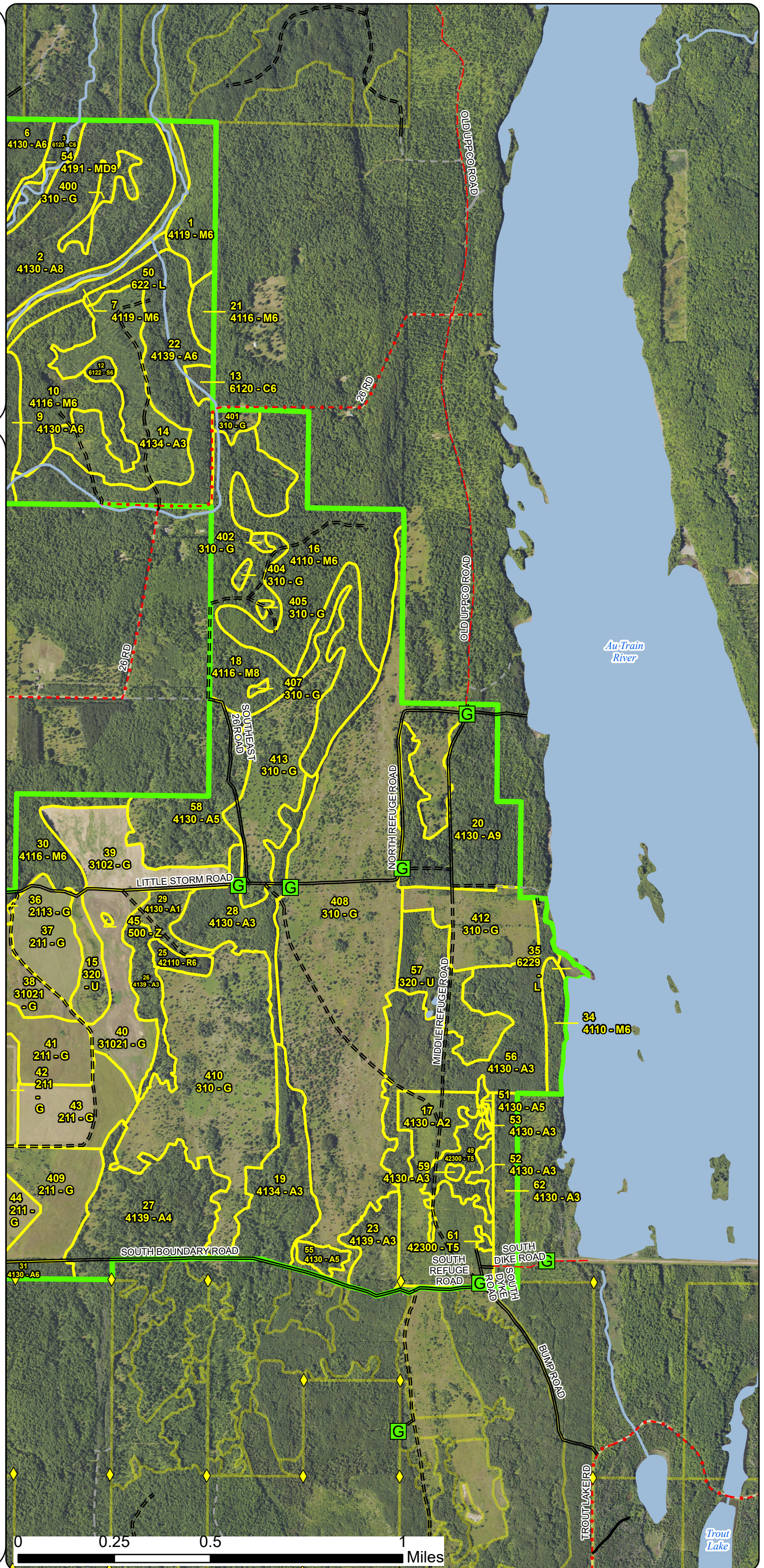




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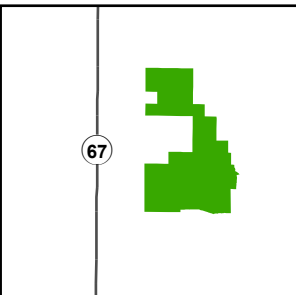
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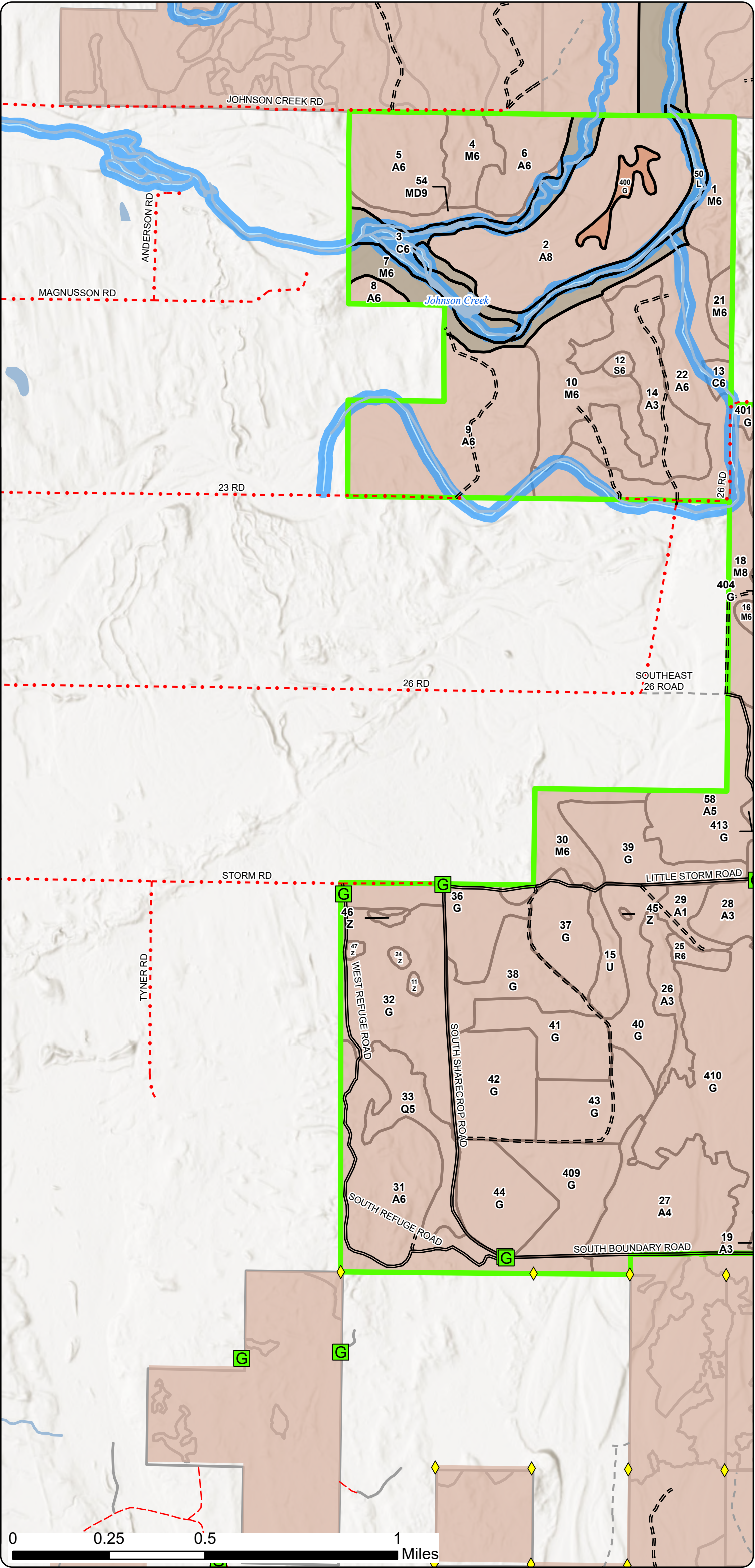


Special Conservation Areas  
& Site Conditions Map

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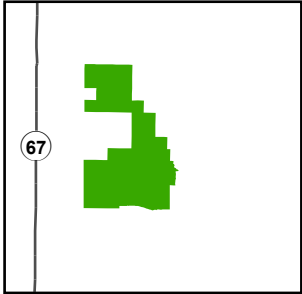












- Survey Grade Corners
- Gate
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Wildlife Research Areas
- Vernal Pool
- Other Habitat Area

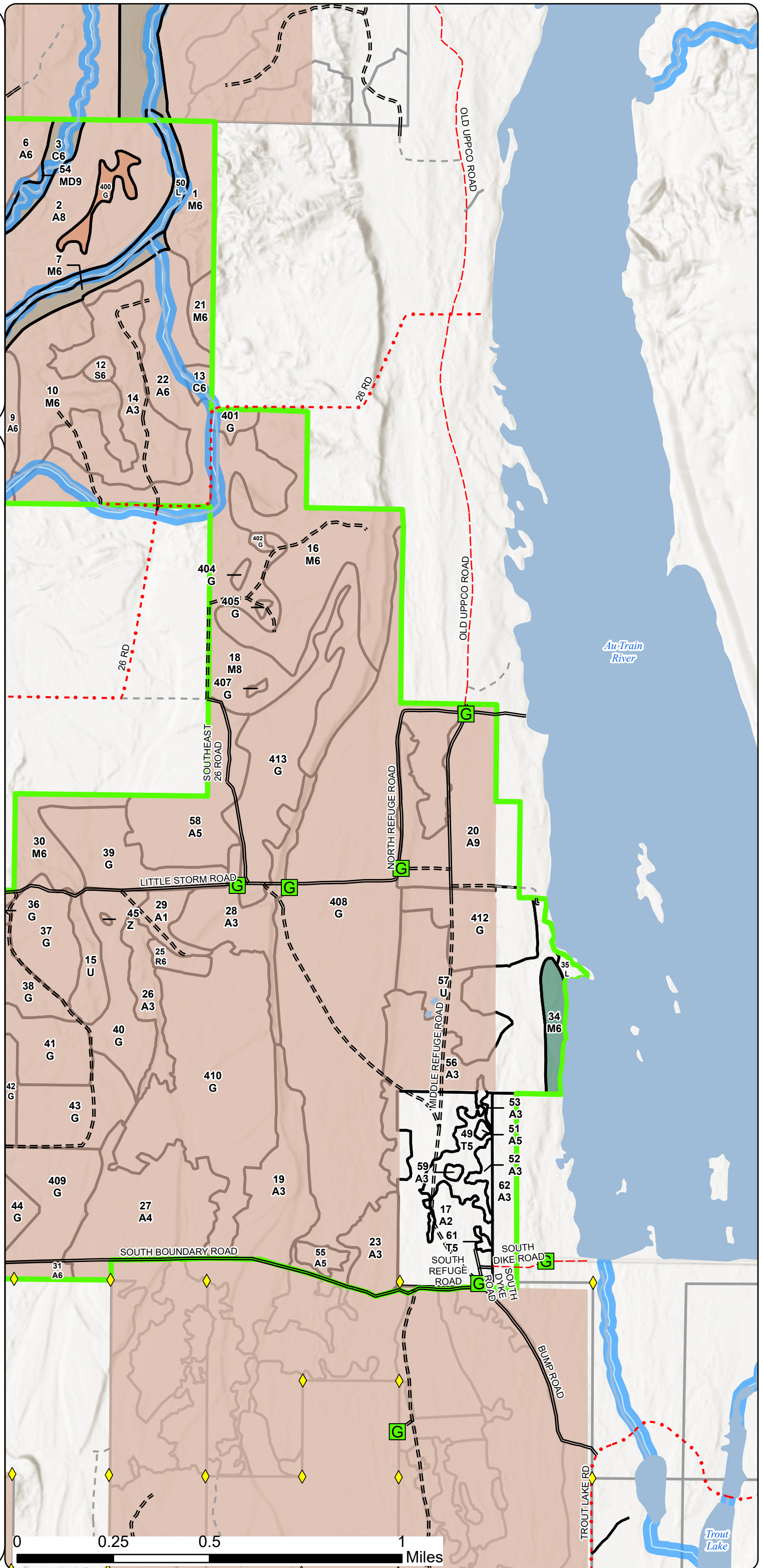




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-  Gate
-  Compartment Boundary
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-  Vernal Pool
-  Other Habitat Area





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



## Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	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

	Clearecut	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
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Prescription 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 addi

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern Hardwood

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 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
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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

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

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

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 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
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Prescription Remove woody debris and vegetation by hand/mechanical removal of brush/vegetaion from the opening to maintain the space, as well as pesticide application to be used as necessary to accomplish wildlife goals.

Next Step Burn, Opening

Treatments:

Acceptable Grasses and short mixed-upland shrubs.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 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
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Prescription 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, fi

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

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
18	32097018.11_ Plant	92.5	4116 - Mixed N. Hardwood - Aspen	8	111	51-80	Planting	Planting (tree species)	411 - Northern Hardwood	Current	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											
19	32097019.13_ Plant	1.6	4134 - Aspen, Spruce/Fir	3	6	Immature	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											
20	32097020-Cut	57.5	4130 - Aspen	9	75	51-80	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, elm, yellow birch, and white pine. Area retention should include the hardwood component <u>Specs:</u> along the south and southwest stand edge, variable depending on hardwood regen presence. Additionally green tree some <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Fir, Spruce <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
21	32097021-Cut	6.7	4116 - Mixed N. Hardwood - Aspen	6	95	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 <u>Specs:</u> advanced hardwood regeneration where present. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fi <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> Access into the stand will have to be through private in the east. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <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
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 through private in the east. <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, Treatments: (Inactive)Skidder/Mechanical; NonForestMgt, Brush Cutting; NonForestMgt, Mowing; NonForestMgt, Mowing; NonFore

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 Specs: done with the help of sharecropping, through the use of contracts, or with DNR personnel.

These openings will

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

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
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> <p>These openings will</p> <u>Next Step</u> Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); <u>Treatments:</u> NonForestMgt, Fruit Tree/Shrub Planting; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, <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											
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. <u>Specs:</u> The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The <u>Next Step</u> NonForestMgt, Fruit Tree/Shrub Planting; Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Herbaceous/Crop/Grass Planting <u>Treatments:</u> (inactive); Burn, Opening; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, Mowing <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>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 <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); <u>Treatments:</u> NonForestMgt, Mowing <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>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 <u>Specs:</u> necessary. Monitor health and survival of planted trees/shrubs. Assess success and suitability for longevity <u>Next Step</u> Burn, Opening; ; ; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, <u>Treatments:</u> Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify <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											





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); <u>Treatments:</u> NonForestMgt, Fruit Tree/Shrub Planting; ; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); <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, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); <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); <u>Treatments:</u> NonForestMgt, Fruit Tree/Shrub Planting; ; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); <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											





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
57	32097057.36_ Plant	52.1	320 - Upland Shrub	99			Planting	Planting (tree species)	320 - Upland Shrub	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											
58	32097058.12_ Plant	43.9	4130 - Aspen	5	30	Immature	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											
401	32097401.10_ Plant	4.6	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	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											
402	32097402.27_ Plant	1.2	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											





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											





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
409	32097409.22_ NF	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											
410	32097410.32_ Burn	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											
412	32097412.33_ NF	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); <u>Treatments:</u> NonForestMgt, 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											
413	32097413.29_ Burn	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											



S  
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dTreatment  
Name

Acres

Stand  
CoverTypeSize  
DensityStand  
AgeBA  
RangeTreatment  
TypeTreatment  
MethodCover Type  
ObjectiveAge  
StructureHabitat  
Cut

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 Available With Condition	Acres Not Available	Dominant Site Conditions						
Acres	Available	With Condition	Not Available		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	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	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		
5	4130 - Aspen	Poletimber Well	40.3	40	1-50	N/A	OPIC - FMD: 4"-5" average well-stocked. A lot of 2" dbh sugar maple mixed in. A few conifer. Some areas pure M3. Most of stand is 4" A3 Some F4F3 on the wetter sites especially southwest. Leeks, trillium, sm seedlings on forest floor. 2025: Mainly pole aspen of variable size with lots of S maple saplings. Some scattered larger aspen and S maple, trace amounts of spruce/fir, ironwood, cherry, some basswood poles present in aspen mix. Heavier maple component in the NW. Not quite ready to harvest due to aspen size class and amount of maple regen, avg 6-8" aspen around 2-4 sticks, some larger.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	14	Pole/Sapling	6		Sugar Maple	High		>20 feet	>20 feet
Basswood	6	Pole	7		Paper Birch	Low		>20 feet	>20 feet
Paper Birch	2	Pole/Sapling	5						
Quaking Aspen	78	Pole/Sapling	7	40					
6	4130 - Aspen	Poletimber Well	27.1	26	1-50	N/A	OPIC - FMD: Cut under permit #36-97-01 in 1999. A3 well stocked 1" dbh. A few conifers mostly east. Some beaver activity converting to conifer east F2F1. Mixed hardwood, mostly cherry west mixed with aspen. Some residual hardwood 3" sugar maple and some sugar maple seedling in as well mostly near the hardwood stands. 2015: 1-3" aspen over fir.2025: Mainly aspen sap/poles, 3-6", some larger, decent fir sap/pole component and decent amount of cherry/fir regen. Some hdwd regen and scattered hdwd poles, trace amounts of yellow birch and R. maple. East/SE edge is part of a buffer area from the creek, heavier to fir, more low land wet area with intermittent stream, beaver sign present in that area as well.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	94	Sapling/Pole	4	26	Black Cherry	Low		Variable	Variable
Balsam Fir	6	Sapling/Pole	4		Balsam Fir	Medium		10 - 20 feet	10 - 20 feet
7	4119 - Mixed Northern Hardwoods	Poletimber Well	28.1	188	81-110	N/A	OPIC - FMD: Johnson creek buffer stand. Some of this stand had aspen removed in a harvest 20 years ago, mostly NW. Steep bank in most spots down to river. Good quality hardwood but sprout clumps of basswood and sugar maple are throughout. In gaps aspen is 2" also ironwood and sugar 1" in some spots. Bottom near creek has a mix of green ash and maple plus a few cedar and other softwoods. Near creek more black ash and big cedar. This stand due to it's steepness and proximity to Johnson creek is in biodiversity stewardship to protect the riparian values.2025: Mainly fir and S maple poles, some R maple logs. Stand follows a ridge high spot with a steep downhill slope to the creek bottom. Few scattered overmature aspen, trace amounts of aspen, cherry, Y birch, W spruce. Some dieback in the stand, lots of fallen down dead fir trees, tag alder also present near creek edge. Scattered pockets of ironwood present to. Mainly a M6 stand with scattered fir/ironwood, site conditioned due to steep slopes and proximity to creek.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	63	Pole/Log	8	188	Ironwood	Low		Variable	Variable
Red Maple	15	Log/Pole	10		Sugar Maple	Low		Variable	Variable
Paper Birch	2	Pole	7		Red Maple	Low		Variable	Variable
Balsam Fir	15	Pole	6		Balsam Fir	Medium		Variable	Variable
Ironwood	5	Pole	6						
8	4130 - Aspen	Poletimber Well	5.4	37	51-80	N/A	OPIC - FMD: A4 almost A6 well-stocked 4" dbh, some larger. Some older residual hardwood 6"dbh. Scattered sp/fir smaller 2".7/19/23: Updated to non-OI cover type.2025: A6, mainly 4-8" aspen poles, some larger, 2-4 stick aspen. Lots of maple regen, some scattered hdwd poles and fir poles. Trace amounts of cherry, birch, spruce. Aspen looks healthy, lots of trees at or around pole size.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	3	Pole/Sapling	6		Sugar Maple	Medium		>20 feet	>20 feet
Quaking Aspen	91	Pole/Sapling	6	37	Balsam Fir	Low		Variable	Variable
Balsam Fir	3	Pole/Sapling	5						
Black Cherry	3	Pole/Sapling	5						
9	4130 - Aspen	Poletimber Well	100.8	37	1-50	N/A	OPIC - FMD: A4 almost A6 well-stocked 4" dbh, some larger. Some older residual hardwood 6" dbh. Scatterd sp/fir 2". 2015-converting to sugar maple...aspen falling out of the stand.2025: Accurate above comments. Trace amounts of cherry, spruce, birch, ironwood, elm. Mainly sap/pole 6-7"avg aspen, some scattered larger aspen and fir, few S maple poles, low fir regen and very high S maple regen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	1	Pole	8		Balsam Fir	Low		Variable	Variable
Quaking Aspen	94	Pole/Sapling	7	37	Sugar Maple	Full		Variable	Variable
Balsam Fir	5	Pole	8		Black Cherry	Low		Variable	Variable





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
Sugar Maple	45	Log/Pole	12	188	Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Red Maple	15	Pole/Log	8		Sugar Maple	Medium		Variable	Variable
Yellow Birch	5	Log/Pole	14		Ironwood	Low		Variable	Variable
Basswood	15	Log	14						
Quaking Aspen	20	Pole/Log	9						
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	Pole/Sapling	6	70	Tag Alder	Low		Variable	Variable
					Black Spruce	High	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	Pole/Log	9	106	Balsam Fir	Low		Variable	Variable
					Black Ash	Low		Variable	Variable
					Tag Alder	Low	5 - 10 feet	5 - 10 feet	
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
Sugar Maple	5	Sapling/Pole	3		American Elm	Low		Variable	Variable
Quaking Aspen	70	Sapling	1	6	Black Cherry	Low		Variable	Variable
Balsam Fir	20	Sapling	1		White Spruce	Low		Variable	Variable
Black Cherry	5	Sapling/Pole	4		Sugar Maple	Medium	Variable	Variable	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	320 - Upland Shrub	None	13.1			No	2019 - Burned with adjacent stand (40). Brush was mechanically removed in preparation for burning during August of 2017. Stand was burned on September 9, 2011. OPIC - FMD: Cherry and maple brush coming in. Cut 1990 to provide larger area of young forest or opening for wildlife. Some sparse areas but mostly well-stocked. Some trees up to 4" dbh, but mostly 10' tall. 2025: Accurate above comments. Hilly area that separates the two openings on each side of the stand. Mainly brush and some clumps of trees, cherry more consistent throughout, maple scattered in clumps, Trace amounts of fir in the south. Trees are mainly all saplings <1", very few 3-4" trees.
		Sub-Canopy Species		Density	Avg. Height	Size	
		Sugar Maple		Low	Variable	Variable	
		Black Cherry		Low	Variable	Variable	
16	4110 - Sugar Maple Association	Poletimber Well	90.2	111	81-110	N/A	OPIC - FMD: Thinned 1987. Thinned 2009 permit #31-07-01 premier logging. Steep hills in stand especially NW so those will not be marked. Stand will be reduced to about 80-90 sq ft BA leaving trees of all sizes but emphasizing opening up the good quality crop trees. At least 2 wildlife trees per acre will be left. All cedar and white pine will left. Underplant hemlock to increase diversity post harvest by wildlife division. 2025: Trees appear healthy, growing well, crowns appear to have good amounts of space, fairly open canopy. Some topography in the NW finger of this stand and the SE stand edge, somewhat steep ridges. S maple dominated stand with a good portion of basswood and some scattered cherry and Y birch. Trace amounts of ironwood, fir, R maple, and aspen. Fir pockets and traces of aspen near stand edges. Areas of more open regen pockets scattered throughout. BA spins consistently averaging around 100-110, areas of variability, some scattered sapling heavy areas mixed in and a good layer of seedlings.
		Canopy Species		% Cover	Size Class	DBH	Age
		Sugar Maple		74	Log/Pole	12	111
		Yellow Birch		2	Log/Pole	14	
		Basswood		20	Log/Pole	14	
		Black Cherry		4	Log/Pole	12	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Balsam Fir		Low	5 - 10 feet	5 - 10 feet	
		Black Cherry		Low	Variable	Variable	
		Sugar Maple		Medium	Variable	Variable	
		Wild Red Raspberry		Low	5 - 10 feet	5 - 10 feet	
		Ironwood		Medium	Variable	Variable	
17	4130 - Aspen	Sapling Medium	55.4	6		N/A	Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. 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. Northwest portion of stand has impeded drainage and has poison ivy and red-osier dogwood as the understory. 2025: Above comments accurate. Aspen is regenerating ok in the area that was cut, few S maple sap/pole, some cherry sap/pole scattered, trace amounts of spruce/fir. Lots of the area is open with low stocking. Mainly aspen saplings with some scattered mixed in maple and cherry saplings. Some larger scattered pole timber but overall sapling size class. Can see evidence of poor regeneration in the NW portion of stand where the impeded drainage was.
		Canopy Species		% Cover	Size Class	DBH	Age
		Quaking Aspen		45	Sapling/Pole	1	6
		Bigtooth Aspen		30	Sapling/Pole	1	
		Balsam Fir		5	Sapling/Pole	3	
		Black Cherry		20	Sapling/Pole	3	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Black Cherry		Medium	Variable	Variable	
		Sugar Maple		Medium	Variable	Variable	
		American Elm		Low	10 - 20 feet	10 - 20 feet	
		Balsam Fir		Low	Variable	Variable	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
18	4116 - Mixed N. Hardwood - Aspen	Sawtimber Medium	92.5	111	51-80	N/A	Planted 123 red oak and 142 burr oak in various stands within this ftp in 2014. May want to plant more oaks or fruit-bearing trees/shrubs in future years. 2015 - planted 100 red/burr oak along edge with Stand 413.OPIC - FMD: M5M2F1. Semi-open areas throughout stand. Some fully stocked areas but smaller trees on average. Former open areas seeding in. Possible to clearcut and manage for aspen in 20 years. Aspen is 4 stick and larger in spots. Hardwood is 2-3 stick and poor timber quality generally. Mostly red maple and some poor quality cherry. Some areas more pure aspen. If cut now too much poor quality residual small hardwood would be left. Recommend manage stand for aspen but check in 10-20 years. 2015 old opening that has converted to hardwoods. Also some fir in clumps and scattered.2025: Trace amounts of spruce/fir, some topography/ridges in the north of the stand. Y birch pole/log present, W spruce log trace amounts. Open areas with lots of regen throughout, west/NW edge has a higher S maple/basswood/Y birch component. Mainly R maple log/pole with scattered aspen, cherry, Y birch, basswood, S maple, spruce/fir. Canopy is somewhat open, scattered openings throughout, variable stocking, scattered larger trees and scattered regen dense areas. BA spins averaged around 70.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Log/Pole	10		Balsam Fir	Low	Variable	Variable
Red Maple	40	Log/Pole	12	111	Ironwood	Medium	Variable	Variable
Yellow Birch	5	Log/Pole	12		Black Cherry	Low	Variable	Variable
Basswood	5	Log/Pole	12		Sugar Maple	Medium	Variable	Variable
Quaking Aspen	20	Pole	8		Red Maple	Low	Variable	Variable
Balsam Fir	5	Pole	9					
Black Cherry	5	Pole	8					
19	4134 - Aspen, Spruce/Fir	Sapling Well	40.1	6	Immature	N/A	2019 PH: Refuge aspen #32-017-172015 - planted 25 red/burr oak in small opening within this stand.OPIC - FMD: A bit more well-stocked than stand west but still not completely stocked. Semi-open areas. Mostly 3-5 stick aspen. Young yet and not good quality aspen. Some hypoxilin. Some w. pine and j. pine in stand especially SE. Cut in 10-20 years. 2015- Long ridge. Variable stand, semi open in places, heavily stocked in others. Site quality improves moving north. Much heavier to spruce/fir north. Scattered large hardwood. Stand contains approximately 4 acres of dense northern hardwoods north tip. Very steep, ancient river bank. Possibly select cut when the aspen is cut. Final harvest of aspen retaining large spruce and hardwood.2025: Above comments very accurate. Uncut area is a mix of aspen, cherry, fir, and maple. Aspen is 7"avg sap/pole, cherry is sap/pole 7"avg, some fir poles 8"avg. Southern edge is somewhat open and has a scattered mix of J pine, W pine, aspen, cherry, R maple. North west portion is mainly hdwd M6 on the side of a hill, steeper slope, has S maple, basswood, cherry, trace amounts of aspen, ironwood, R maple. Diverse stand with variable species and size classes, cut area is regenerating well with aspen saplings and some cherry/maple saplings.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	11	Sapling	1		Black Cherry	Medium	Variable	Variable
Red Maple	8	Sapling	1		Ironwood	Low	Variable	Variable
Quaking Aspen	45	Sapling	1	6	Sugar Maple	Low	Variable	Variable
Balsam Fir	5	Sapling	1		Red Maple	Low	Variable	Variable
White Spruce	16	Sapling	1					
White Pine	5	Log/XLog	16					
Black Cherry	10	Pole/Log	9					



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	96	Log	12	48	Wild Red Raspberry	High		5 - 10 feet	5 - 10 feet
Black Cherry	4	Log/Pole	10		Ironwood	Medium		Variable	Variable
					Black Cherry	High		Variable	Variable
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
Sugar Maple	15	Pole/Sap/Log	6	6	Sugar Maple	Medium		Variable	Variable
American Elm	10	Pole	8		Ironwood	Medium		Variable	Variable
Basswood	2	Pole/Log	8						
Quaking Aspen	40	Sapling	1	6					
Bigtooth Aspen	6	Sapling	1	6					
Black Cherry	20	Log/Pole	10						
Ironwood	7	Pole/Sapling	7						
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 hypoxlyen. 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
American Elm	10	Pole/Log	8		Sugar Maple	Low		Variable	Variable
Red Maple	10	Log/Pole	10		Red Maple	Low		Variable	Variable
Basswood	5	Log/Pole	10		Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	50	Pole/Log	9	45	Ironwood	High		Variable	Variable
White Spruce	5	Log/Pole	12		White Pine	Low		5 - 10 feet	5 - 10 feet
White Pine	5	Log/XLog	14		Black Cherry	High		Variable	Variable
Black Cherry	15	Pole/Sap/Log	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. Hypoxlyen 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
Sugar Maple	5	Pole/Sapling	5		Black Cherry	High		Variable	Variable
Red Maple	3	Sapling	1		Balsam Fir	Low		Variable	Variable
Quaking Aspen	80	Sapling	1	6	Sugar Maple	Low		Variable	Variable
Balsam Fir	2	Sapling	1		Red Maple	Medium		Variable	Variable
Black Cherry	10	Pole/Sapling	5						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
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	Pole/Sapling	6	30	Black Cherry	High		Variable	Variable
Black Cherry	25	Pole/Sapling	6		Balsam Fir	Low		5 - 10 feet	5 - 10 feet
30	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	25.4	47	51-80	N/A	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	56	Pole/Sap/Log	8	47	Sugar Maple	High		Variable	Variable
Yellow Birch	2	Log/Pole	10		Balsam Fir	Low		Variable	Variable
Basswood	6	Pole/Log	9		Ironwood	Medium		Variable	Variable
Quaking Aspen	20	Log/Pole	10						
Balsam Fir	5	Pole	6						
White Spruce	3	Log/Pole	10						
Black Cherry	5	Pole	8						
Ironwood	3	Pole	6						
31	4130 - Aspen	Poletimber Well	86.7	36	51-80	N/A	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	5	Pole/Sapling	7		Balsam Fir	Low		Variable	Variable
American Elm	3	Pole	7		Sugar Maple	High		Variable	Variable
Paper Birch	2	Pole/Sapling	6		Paper Birch	Low		Variable	Variable
Quaking Aspen	77	Pole/Sapling	7	36					
Balsam Fir	3	Pole/Sapling	6						
Black Cherry	10	Pole/Sapling	6						
32	211 - Cropland	None	68.1			Yes	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.		







Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
40	31021 - Cool Season Grass	None	33.0			Yes	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	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.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
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. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser 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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	5	Pole/Sapling	6	37	Black Cherry	Low		Variable	Variable
Larch (non-native)	95	Pole/Sapling	7	37	Quaking Aspen	Low		Variable	Variable
50	622 - Lowland Shrub	None	20.3			No	OPIC - FMD: Lowland brush with some marsh along Johnson creek.		
					Sub-Canopy Species	Density	Avg. Height	Size	
					Tag Alder	Full	5 - 10 feet	5 - 10 feet	
51	4130 - Aspen	Poletimber Medium	0.8	37		N/A	A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Aspen/cherry sap/pole stand, mainly poles 4-8". Canopy is semi open in spots, some more open less stocked areas, trace amounts of spruce/fir. Mainly aspen pole dominant with some mixed in cherry poles, S maple and cherry regen underneath the poles. Stand is surrounded by planted tamarack.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	50	Pole/Sapling	6	37	Sugar Maple	Medium		Variable	Variable
Bigtooth Aspen	20	Pole/Sapling	6		Black Cherry	Medium		Variable	Variable
Black Cherry	30	Pole/Sapling	7		American Elm	Low		10 - 20 feet	10 - 20 feet
					Balsam Fir	Low	Variable	Variable	
52	4130 - Aspen	Sapling Well	3.4	6	51-80	N/A	A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested before Weyerhauser timber rights expired in 2019. Aspen/cherry pole/sap stand, mainly poles. A3 aspen mainly 1-2" avg, some scattered cherry 1-2". Few larger scattered aspen/cherry 3-6", trace amounts of spruce/fir/tamarack. Some more open canopy areas with less stocking present.		
Canopy Species	% Cover	Size Class	DBH	Age					
Quaking Aspen	55	Sapling	1	6					
Bigtooth Aspen	25	Sapling	1						
Black Cherry	20	Sapling	1						
53	4130 - Aspen	Sapling Well	0.9	6	51-80	N/A	A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested by Weyerhauser before their timber rights expired in 2019. Stand is A3 aspen mainly 1"avg, some scattered cherry. Few larger aspen/cherry poles. Trace amounts of fir, tamarack, and S maple. Canopy has some more open less stocked areas.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	55	Sapling	1	6	Sugar Maple	Trace		Variable	Variable
Bigtooth Aspen	30	Sapling	1		American Elm	Trace		10 - 20 feet	10 - 20 feet
Black Cherry	15	Sapling	2		Balsam Fir	Trace	Variable	Variable	





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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.
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.
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