



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72023

Entry Year 2026

Acreage: 1,549

County Oscoda

Management Area: High Sand Plains

Stand Examiner: Cole Michaud

Legal Description:

T28N R1E Sections 1, 12, & 13 and T28N R2E Sections 6 & 7
Greenwood and North Elmer Townships, Oscoda County

Identified Planning Goals:

To maintain species and structural diversity while managing for health, productivity, and sustainability throughout the compartment. To provide multiple use opportunities and incorporate any visual management needed to optimize these uses.

Soil and topography:

This compartment is comprised mainly of Grayling sands, slopes ranging from 0-10%. There are a few potholes within the compartment that slopes increase to 10 – 30%, but these stands do not sustain merchantable timber, having little effect on management concerns with respect to topography.

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

This compartment consists of a mix of private and state ownership. There are several parcels of state land where contiguous ownership is limited to 80 acres within the section. These parcels are widely used by the surrounding landowners for various activities. The compartment has several forest trail roads that are being used heavily by ORV's. Several of the roads are used as illegal access for the nearby landowners to get to the designated ORV trail with out having to trailer their ORV's. The designated trail is located in the north east corner of the compartment.

Unique Natural Features:

Rough fescue occurs just south and east of section 13 and just east of section 6. Hill's thistle and rough fescue occurs to the north. Pale agoseris and rough fescue are known to exist to the southwest of this compartment. Alleghany plum was found to occur to the southeast. Ram's head orchid is reported to the northeast of compartment 023. Kirtland's warbler and prairie warbler inhabit areas just east of sections 6 and 7, and Loon exists to the west of these sections. There is potential for dry prairie plants in grassy openings of this compartment. These species include Hill's thistle, rough fescue, Alleghany plum, and pale agoseris. There is also potential for Kirtland's warbler and prairie warbler within the compartment boundaries. Potential also occurs for such insects as the dusted skipper, grizzled skipper, and red legged spittlebug in grassy openings and young jack pine of compartment 023. There is potential for Loon in the kettle lakes that exist within the compartment boundaries.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

There are no special management designations or considerations for this compartment.

Watershed and Fisheries Considerations:

No waterways or significant lakes are located on state land. An un-named kettle lake exists in section 1, labeled as stand 7. Moon Lake, Oak Lake, and Perry Lake are located within the compartment boundaries on private ownership.

Wildlife Habitat Considerations:

There are two maintained wildlife openings in compartment 23, both located in the SE ¼ of Section 13. They are labeled stands 47 and 49 on the compartment map. These wildlife openings were planted with an annual crop that is doing well. Note: there is illegal ORV use around the perimeter of stand 47 (i.e. the opening is being used as an ORV track).

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Coldwater Shale. There is not an economic use for the Coldwater Shale. A gravel pit is located four miles to the northeast, but there should be some potential. This compartment is leased for oil and gas development and most of it has been developed for the Antrim Shale.

Vehicle Access:

County roads of Williams road and Townline road provide paved vehicle access into the compartment. There are several county maintained gravel roads as well, including Eastwood road, Pennsylvania Crossing rd, and Oak lake road. The compartment has several miles of forest trail roads providing adequate access to the compartment.

Survey Needs:

The potential for surveys exist in this compartment.

Recreational Facilities and Opportunities:**Fire Protection:**

There are several locations available as a water source, most located on private lands. All water sources are accessible to fire protection equipment. Forest trail roads, in combination with closed or abandoned roads within the compartment, provide access to within a ¼ mile of nearly all of the state owned land. The private land is mostly subdivided, with paved access to a majority of the land.

Additional Compartment Information:**The following reports from the Inventory are attached:**

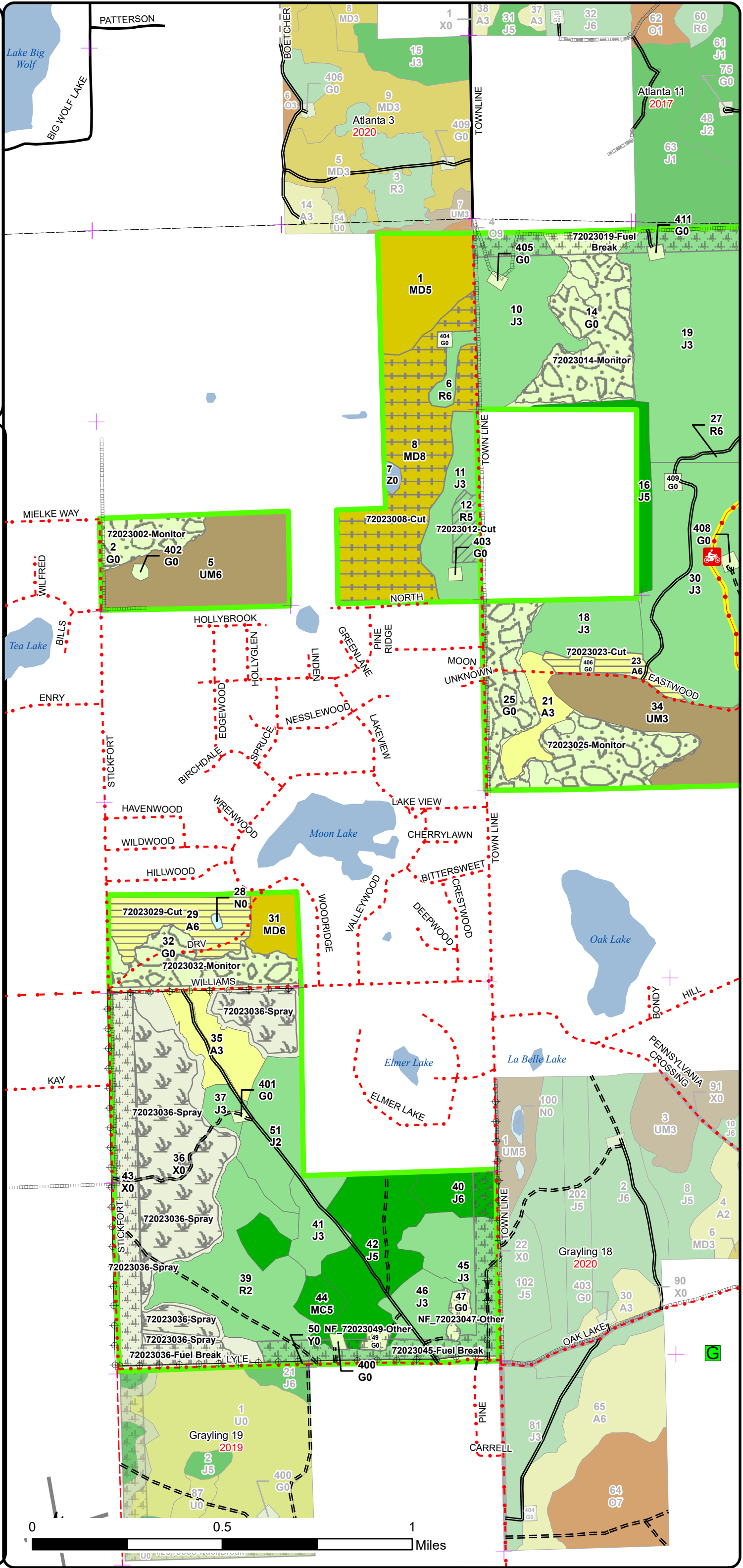
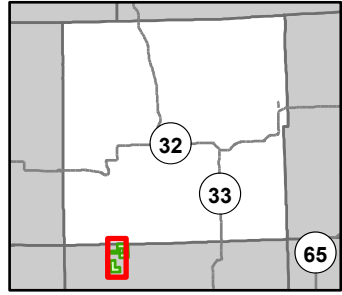
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

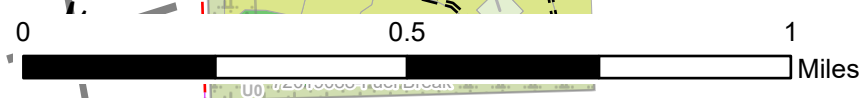
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 72023
 T28N, R01E, Sec. 1, 12, 13
 T28N, R02E, Sec. 6, 7
 County: Oscoda
 Unit: Grayling
 Mgmt Area: High Sand Plains
 YOE: 2026
 Acres: 1549.1 GIS Calculated
 Examiner: Cole Michaud
 Map Revised: 06/21/2024
 Map Phase: Pre-Review

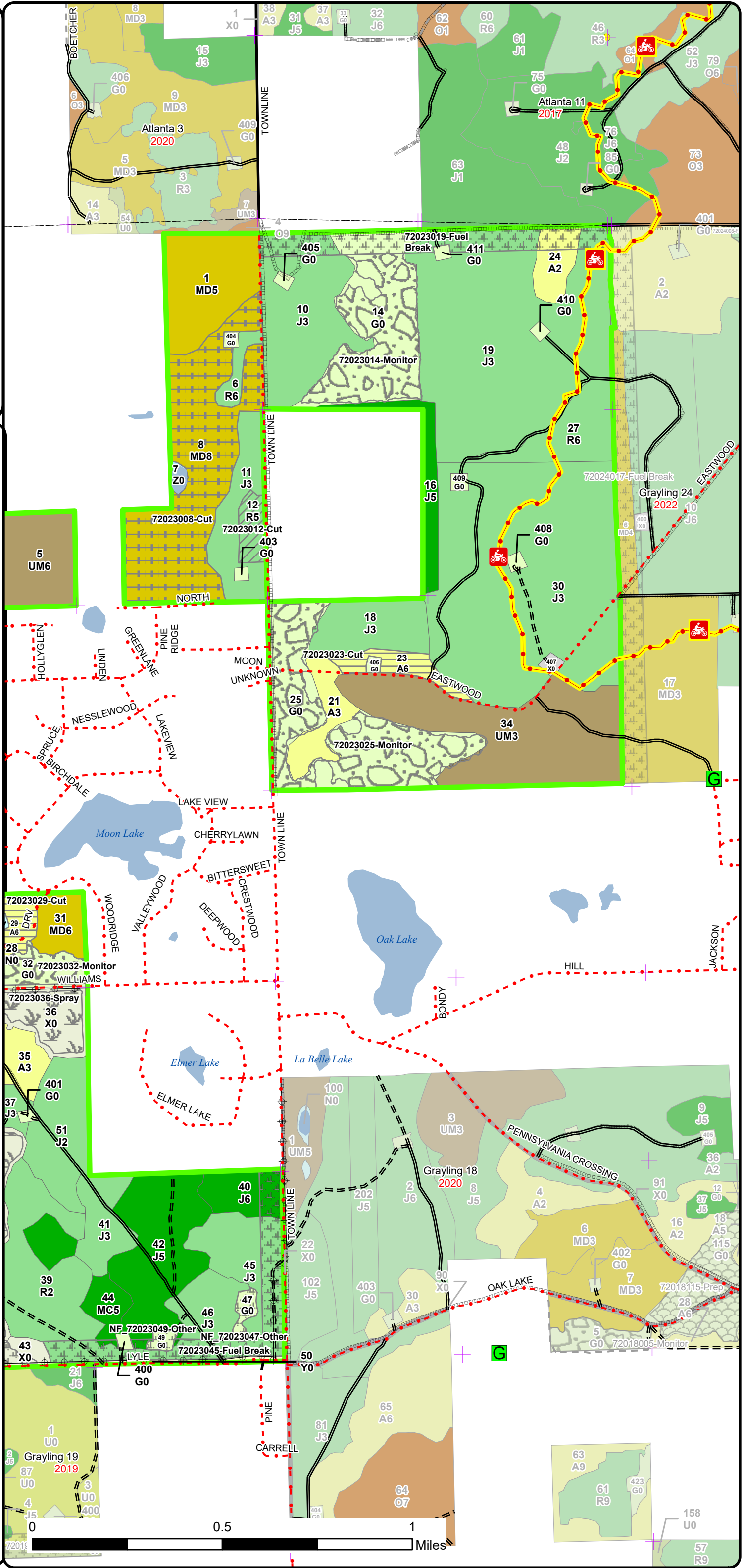
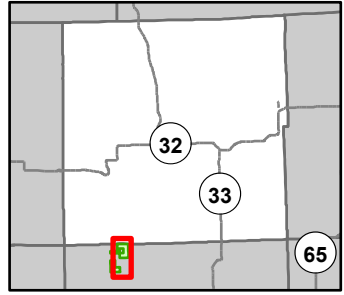


- Motorcycle Trails (DNR License)
- ORV License & Trail Permit
- Michigan Cross Country Cycle Trail (MCCCT)
- Remonumented Section Corners
- Airport
- Gate
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Lake/Pond
- Pipeline
- Powerline
- Airports
- Counties
- Compartment Boundary
- Pesticide
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 623 - Emergent Wetland
- 710 - Sand/Soil
- 790 - Other Bare/Sparsely Vegetated



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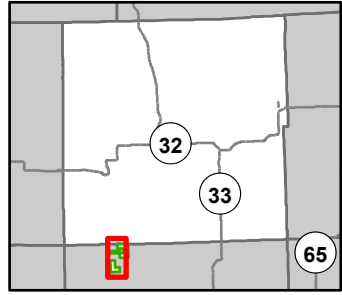


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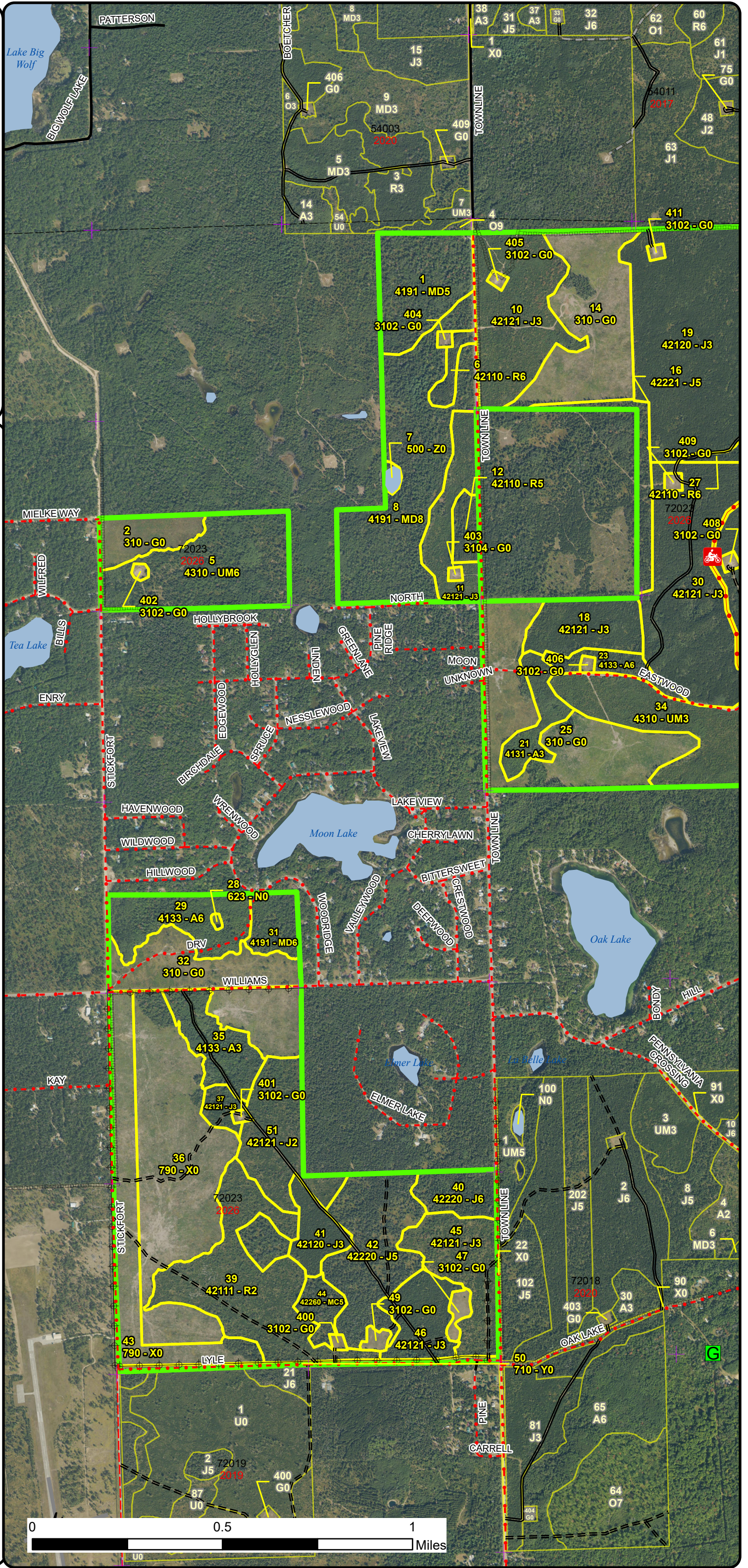


Stand Boundary Map

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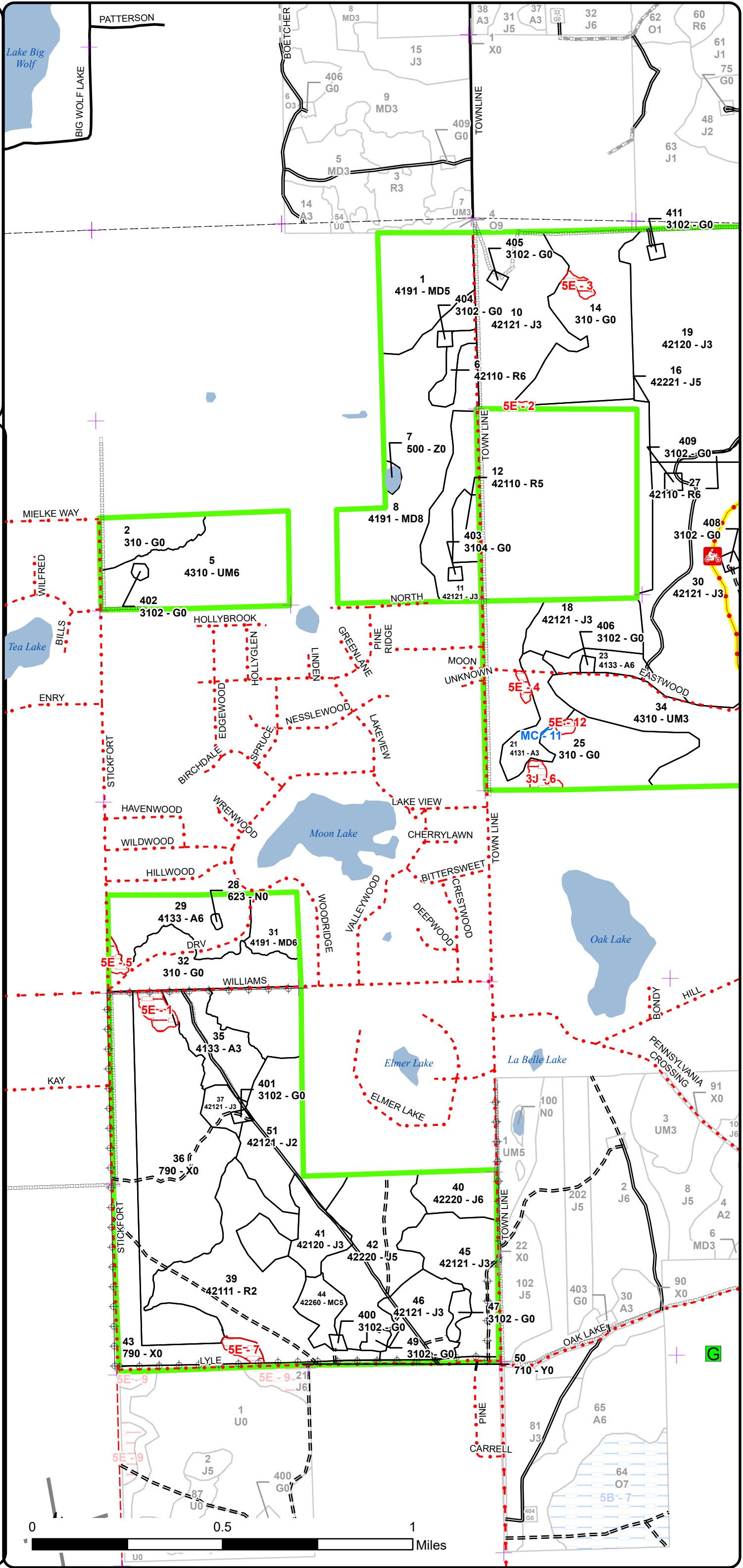
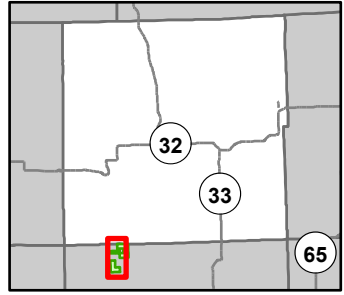


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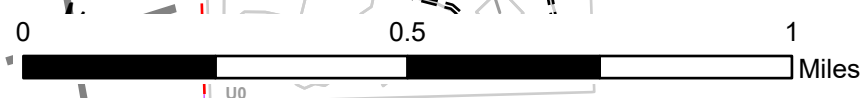


Special Conservation Areas & Site Conditions Map

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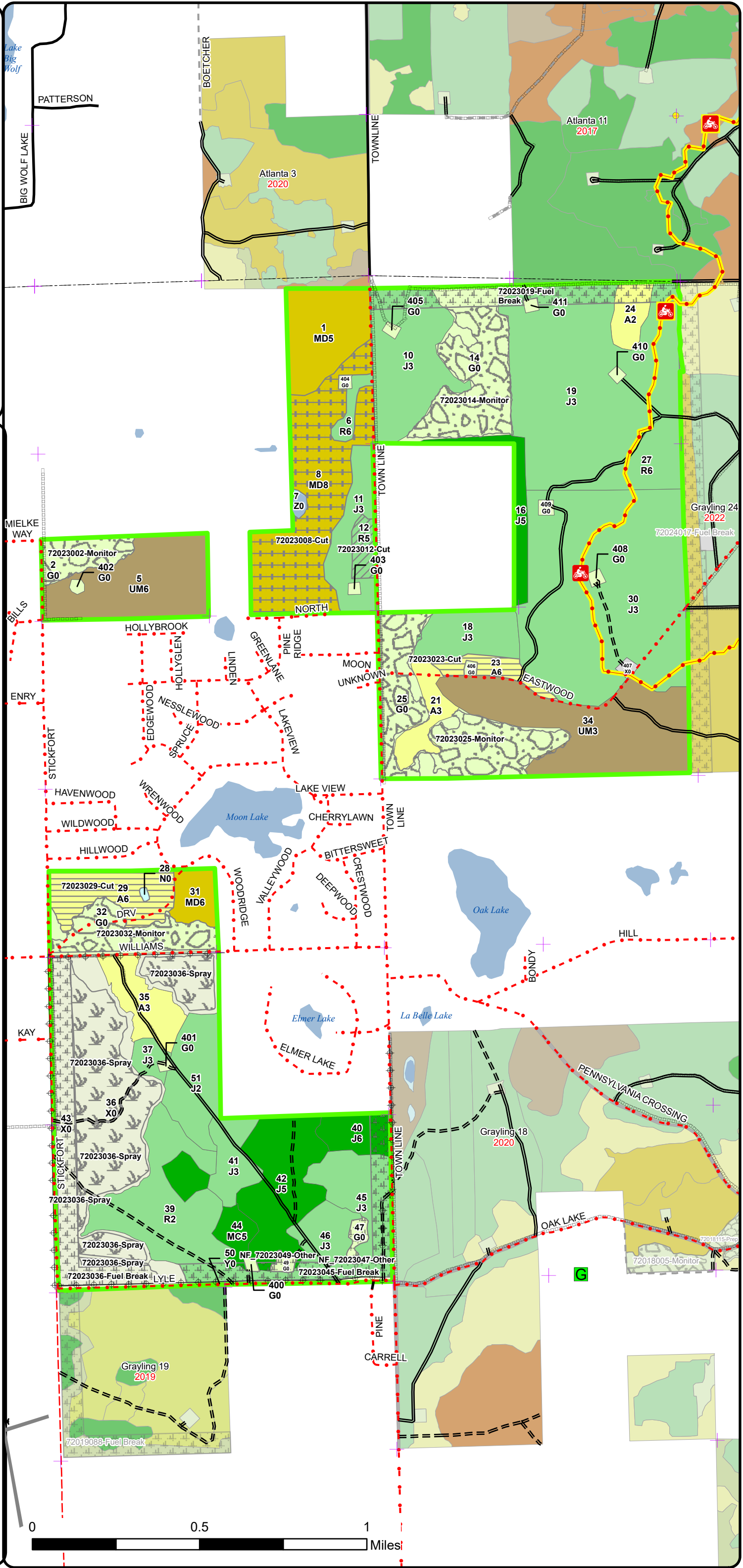
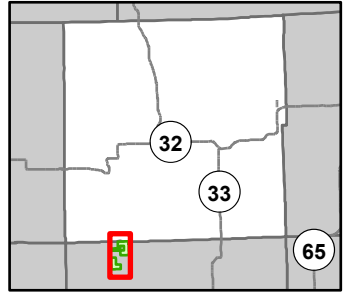


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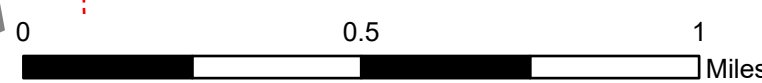


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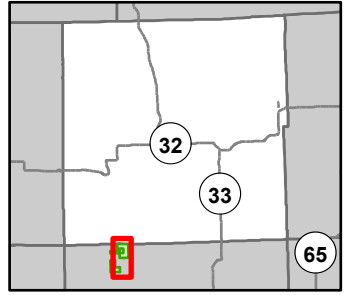


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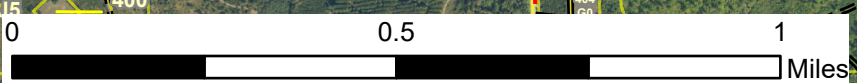
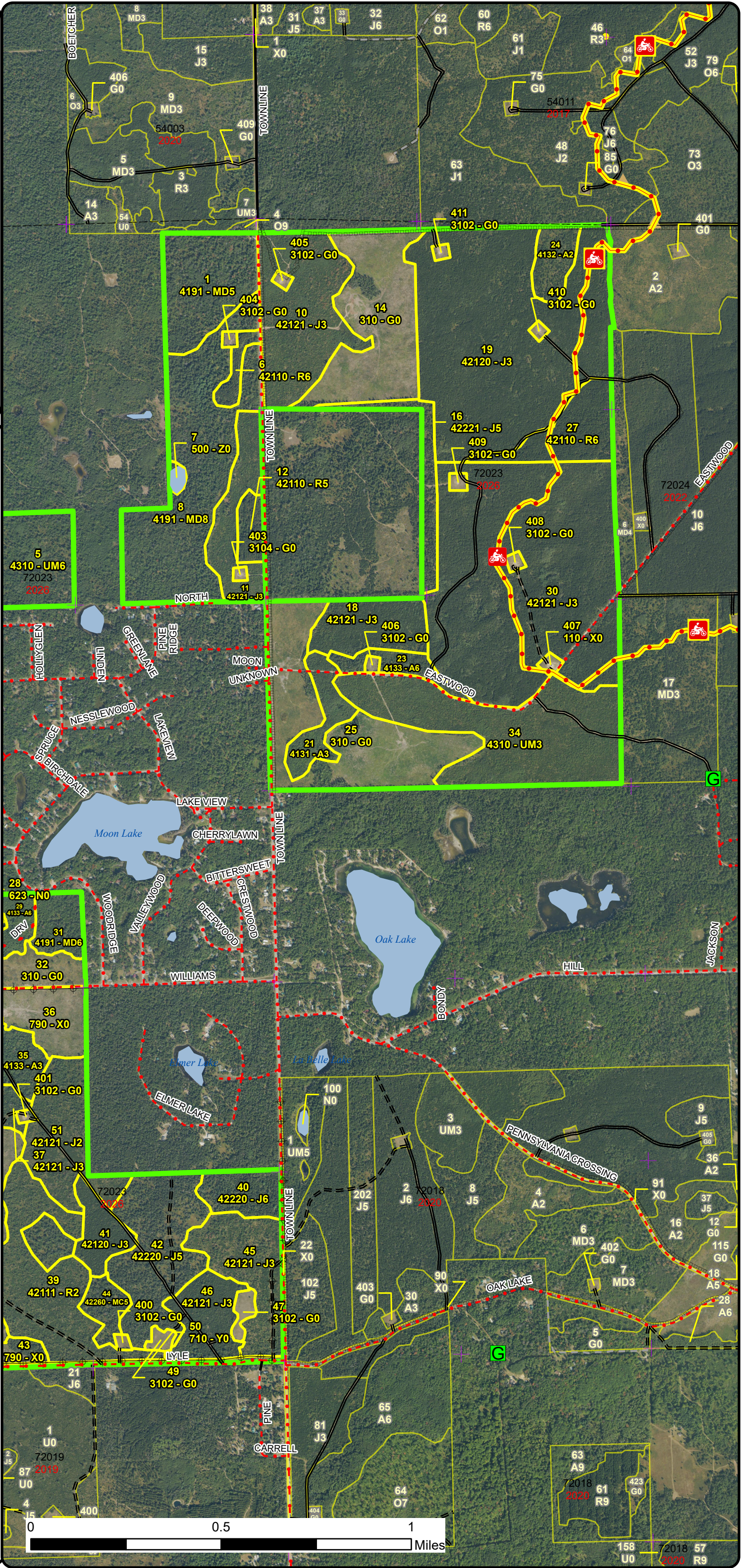


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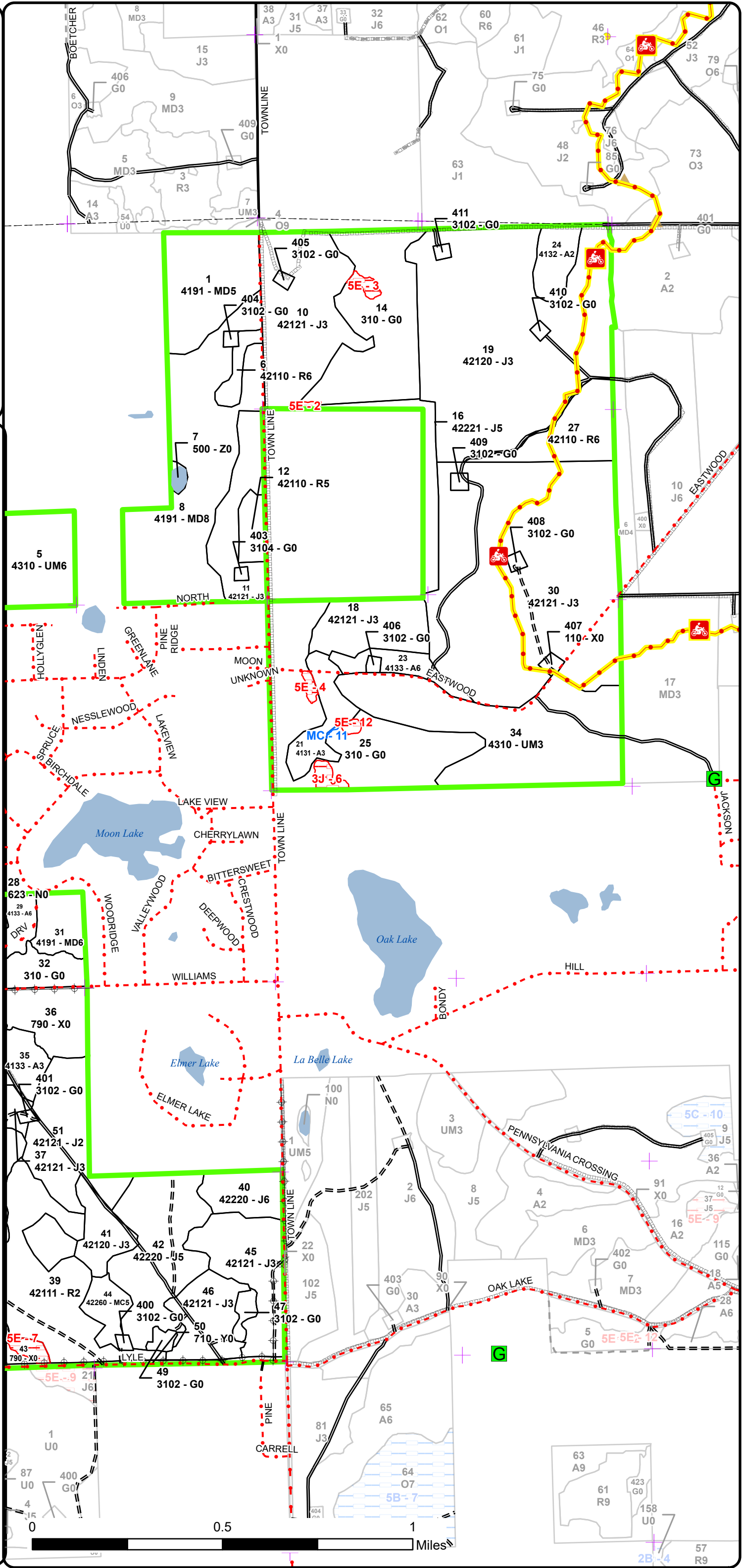
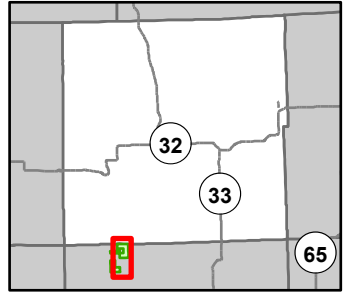
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	0	0	51	0	0	42	0	0	0	0	0	0	0	0	0	0	0	93
Bare/Sparsely Vegetated	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175
Herbaceous Openland	203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	203
Jack Pine	0	0	156	228	183	83	0	0	0	0	0	0	0	0	0	0	0	0	650
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	0	0	41	0	0	0	0	0	92	0	0	0	0	0	0	0	132
Natural Mixed Pines	0	0	0	0	13	17	0	0	0	0	0	0	0	0	0	0	0	0	30
Red Pine	0	0	69	0	25	0	6	8	0	0	0	0	0	0	0	0	0	0	108
Sand, Soil	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	0	0	88	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	148
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	390	0	313	279	322	100	48	8	0	0	92	0	0	0	0	0	0	0	1551



Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 23

Total Compartment Acres: 1,549

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

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	0	0	0	0	0	99	158	6	116	379
Next Step	0	99	99	0	0	0	491	6	36	730
Total	0	99	99	0	0	99	649	11	152	1109



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

19	72023019-Fuel Break	36.4	42120 - Planted Jack Pine	Sapling Well	27	Unspecified	NonForestMgt	Other - Specify	330 - Low-Density Trees	No
<p><u>Prescription</u> Maintain a 5 chain wide fuel break using methods such as mulching, mastication, brushing, mowing, or burning. Leave scattered fire-resistant trees where possible to soften the visual impact without compromising fuel break functionality.</p> <p><u>Specs:</u></p> <p>This fuel break is part of a long-range fire control plan.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Fire Break</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>										

Approved Treatments:

2	72023002-Monitor	16.8	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	4121 - Oak, Aspen	Even-Aged	No
<p><u>Prescription</u> regen survey</p> <p><u>Specs:</u></p> <p><u>Next Step</u> ; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Let stand regenerate naturally. Oak, aspen, pine, maple is acceptable regeneration.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/3 /2022</p>											
14	72023014-Monitor	47.6	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> regen survey</p> <p><u>Specs:</u></p> <p><u>Next Step</u> ; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Let stand regenerate naturally, jack pine is acceptable regen.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/3 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
25 72023025-Monitor	63.9	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Regen survey of stand. <u>Specs:</u> <u>Next Step</u> ; Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable Regen:</u> Let stand regenerate naturally. Any mix of Oak, maple, pine is acceptable. Full stocking is expected. If regen survey fails, trench and plant to JP. <u>Other Comment:</u> Percent to Treat = 100% <u>Site Condition</u> Proposed Start Date: 10/3 /2022</p>										
32 72023032-Monitor	29.9	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Regen Survey <u>Specs:</u> <u>Next Step</u> ; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Let stand naturally regenerate. Jack Pine is acceptable regeneration. <u>Other Comment:</u> Percent to Treat = 100% <u>Site Condition</u> Proposed Start Date: 3 /25/2022</p>										
43 72023036-Fuel Break	44.0	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	330 - Low-Density Trees		No
<p><u>Prescription</u> Maintain a 5 chain wide fuel break using methods such as mulching, mastication, brushing, mowing, or burning. Leave scattered fire-resistant trees where possible to soften the visual impact without compromising fuel break functionality. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> Functional Fuel Break conditions. <u>Other Comment:</u> This fuel break is part of a long-range fire control plan. Renew the treatment every inventory cycle. <u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										
36 72023036-Spray	98.8	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Pesticide	ERROR	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> <u>Specs:</u> <u>Next Step</u> SitePrep, Roller Chopping; ; Monitoring, Herbicide Use; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) <u>Treatments:</u> <u>Acceptable Regen:</u> Being Planted to RP <u>Other Comment:</u> Percent to Treat = 100% <u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
45 72023045-Fuel Break	36.0	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	12	Immature	NonForestMgt	Other - Specify	330 - Low-Density Trees		No
<p><u>Prescription Specs:</u> Maintain a 5 chain wide fuel break using methods such as mulching, mastication, brushing, mowing, or burning. Leave scattered fire-resistant trees where possible to soften the visual impact without compromising fuel break functionality.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory); NonForestMgt, Other - Specify</p> <p><u>Acceptable Regen:</u> Fuel Break.</p> <p><u>Other Comment:</u> This fuel break is part of a long-range fire control plan. Renew the treatment every inventory cycle.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
47 NF_72023047-Other	3.4	3102 - Grass	Nonstocked				Other	Other	310 - Herbaceous Openland	No
<p><u>Prescription Specs:</u> Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, brushing, burning and herbicide application.</p> <p><u>Next Step Treatments:</u> Other, Other</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 2 /17/2015</p>										
49 NF_72023049-Other	2.3	3102 - Grass	Nonstocked				Other	Other	310 - Herbaceous Openland	No
<p><u>Prescription Specs:</u> Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, brushing, burning and herbicide application.</p> <p><u>Next Step Treatments:</u> Other, Other</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 2 /17/2015</p>										

Total Treatment Acreage Proposed: 379.1

Report 4 – Site Conditions

Grayling Mgt. Unit
Cole Michaud : Examiner

Compartment: 23
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		MC	3J	5E
93	93	0	0	Aspen			0
175	167	0	7	Bare/Sparsely Vegetated			7
203	193	0	10	Herbaceous Openland	0	3	7
649	649	0	0	Jack Pine			
1	1	0	0	Marsh			
132	132	0	0	Mixed Upland Deciduous			
31	31	0	0	Natural Mixed Pines			
107	107	0	0	Red Pine			0
7	7	0	0	Sand, Soil			
148	148	0	0	Upland Mixed Forest			
1	1	0	0	Urban			
2	2	0	0	Water			
1,549	1,531	0	17	Total Forested Acres	0	3	15
	99%	0%	1%	Relative Percent			

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Grayling Mgt. Unit
Cole Michaud : Examiner

Compartment: 23
Year of Entry: 2026

4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	Minor Change in Acreage	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Area	Type	Description	ERA = Ecological Reference Area	HCVA = High Conservation Value Area	SCA = Special Conservation Area
<hr/>					
<hr/>					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	40.5	37	Unspecified	N/A	Seedtree done in 1987- regen is mostly pin oak, single stem and stump sprouts- some aspen as well. Some areas heavier to aspen and red maple regen. Regen is doing well. Log sized stems are starting to decline in places.																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling</td> <td>5</td> <td>37</td> </tr> <tr> <td>Northern Pin Oak</td> <td>15</td> <td>Log</td> <td>10</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	15	Log	11		Jack Pine	15	Pole	5		Quaking Aspen	30	Sapling	5	37	Northern Pin Oak	15	Log	10																					
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2	310 - Herbaceous Openland	Nonstocked	17.4	0	Unspecified	412 - Oak Types	Harvested in 2019 under contract Comp 23 Mix 72-015-16. Regen is present but will require more in depth survey during re-inventory next year. Oak is getting old. Health is still decent in most places. Understory is coming in strong. Regeneration should not be an issue. Ground water monitoring wells installed after a release on west side of road. Ground water monitoring wells are authorized under a land use permit to Riverside Energy. Site is commonly referred to as the "Wolf Lake" site.																																													
5	4310 - Pine, Oak Mix	Sapling Well	59.8	36	1-50	N/A	Jack Pine is reaching merch Size in some areas, 1 stck tall. Most still submerch. About 10 BA of residual oak from harvest in 86. Old Comment. JP is merchantable in most places. Oak is decent quality. Ground water monitoring wells installed after a release on west side of road. Ground water monitoring wells are authorized under a land use permit to Riverside Energy. Site is commonly referred to as the "Wolf Lake" site.																																													
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6	42110 - Planted Red Pine	Poletimber Well	5.9	57	81-110	N/A	Stand was third row thinned under tsale 720040601 in 2008-2009. BA was quite variable due to size variation in trees. Stand is small acreage. Quality is fair.																																													
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7	500 - Water	Nonstocked	1.9			No																																														
8	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	91.5	98	1-50	N/A	Stand was shelterwooded in 1997. RP quality is decent. Oak is variable. Regen is dense in the understory. Lots of nice oak regen coming in. Featured the large diameter trees. Understory is coming in nicely.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
10	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	57.5	13	Immature	N/A	Stand was harvested under tsale contract 720040601 in 2006-2008. FTP was submitted, C72-614. JP is doing well, just reaching the 3' mark. Oak regen is very dense. Some heavy patches of BTA throughout. Decision was made at compt review to accept existing regeneration from previous treatment. Drop old FTP C72-614. JC update: was trenched in 2009 (C72-614), planted to JP in 2010, and re-planted in 2011. Passed Year 3 regen survey with a mix of planted JP and significant deciduous components (O-A-BC). Canopy updates based on the treatment reports & past inventory data, not a site visit.																									
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11	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	25.5	13	Immature	N/A	Stand was final harvested in 2006-2008 under tsale 720040601. FTP was submitted, C72-614. JP plantation. JP survival is decent, most is not past the 3' mark. Well site adjacent to the stand. Decision was made to accept existing regeneration at compartment review. Drop old FTP C72-614. JC update: was trenched in 2010 (C72-614) and planted to JP in 2011. Passed Year 3 regen survey with a mix of planted JP and significant deciduous components (O-BC-A). Canopy updates based on the treatment reports & past inventory data, not a site visit.																									
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Jack Pine	60	Sapling	1	13																												
12	42110 - Planted Red Pine	Poletimber Medium	7.9	60	81-110	N/A	Stand was third row thinned under tsale contract 720040601 in 2008-2009. RP plantation bordering townline rd. rows running N/S. Quality is decent. RP has responded to thinning fairly well.																									
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Jack Pine	5	Pole	6																													
14	310 - Herbaceous Openland	Nonstocked	60.5	0	Unspecified	4222 - Natural Jack Pine	Harvested in Winter 2021/2022 whole tree. Comp 23 Mix 72-015-16. Natural Jack Pine stand. JP is showing its age in places, starting to drop individual stems. Aspen is in poor shape as well. Oak is decent. Good access to the stand.																									
16	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Medium	15.6	42	Unspecified	N/A	Stand created by trespass harvest- Old fence wire still exists. Some portions regenerated to JP poles, others have filled in with a U type, Aspen saplings as well. Old Comment.																									
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Northern Pin Oak	15	Sapling/Pole	4																													
Jack Pine	60	Pole	5	42																												
Pin Cherry	10	Sapling	2																													
18	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	25.9	27	Unspecified	N/A	Stand was final harvested in 1997, was replanted to JP, some aspen regen as well, one pocket near well site did not get planted- came back to heavy A3, rest of stand is doing well as jack pine. Old Comments. JP is doing well, starting to get close to pole sized in some places.																									
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Northern Pin Oak	20	Sapling	3																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
19	42120 - Planted Jack Pine	Sapling Well	159.0	27	Unspecified	N/A	Planted 1997. Nice plantation, growing well.																																
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21	4131 - Aspen, Oak	Sapling Well	15.7	27	Unspecified	N/A	Stand was final harvested in 1997, MO said JP previously, stand is now a well regenerated stand of Aspen, was perscribed for planting, never was done. Stand is now fully established as an aspen stand.																																
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Quaking Aspen	60	Sapling	3	27																																			
23	4131 - Aspen, Oak	Poletimber Well	10.4	56	51-80	N/A	Aspen stand, pole sized , along Seasonal County RD. Mixed stand. Previously typed as an A6. Stand is fairly healthy. Oak is coming in well in the understory.																																
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24	4132 - Aspen, Jack Pine	Sapling Medium	12.2	26	Unspecified	N/A	This is a sparse stand. Excluded from the JP plantation, looks like this is an area that the plantation may have failed and the aspen filled in. Aspen is small and patchy. Oak and JP are poor form																																
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25	310 - Herbaceous Openland	Nonstocked	73.3	0	Unspecified	4222 - Natural Jack Pine	Portion along Townline harvested in 2020 and contains fair aspen regen along with mix oak and maple. East portion harvested in 2021. Both harvested under contract Comp 23 Mix 72-015-16. M.O is natural Jack Pine but will accept any mix of Oak, Aspen, Pine. Stand should transition to aspen but may have a UM component. **TREATMENT NOTE** : Maintain a 3-5 chain strip along the west side of stand 25 as a fuel break. Monitor regeneration to determine if fuel break maintenance is needed. Nice mixed stand. Health is decent. JP is showing its age. Dense regen in the understory in places.																																
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27	42110 - Planted Red Pine	Poletimber Well	24.8	36	51-80	N/A	RP Plantation. Has not started to self prune yet. Decent quality, not much in the understory.																																
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28	623 - Emergent Wetland	Nonstocked	0.6		Unspecified	No	Previously mapped as gas well, appears to be a wetland in air photos.																																



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29	4132 - Aspen, Jack Pine	Poletimber Well	31.3	52	Unspecified	N/A	Well stocked stand of Aspen, mostly poles, a few reaching sawlog size. June berry present in the understory, also a component of RM/WP/ pin Oak Old Comment. Stand has a good mix of oak/jp/asp. Aspen is fair quality, sawlog sized stuff is declining. Oak is poor quality in some places.																																							
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30	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	183.4	36	Unspecified	N/A	Planted 1988. Seems to be growing well, some pockets of aspen growing up along with the JP. Some oak mixed in as well.																																							
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31	42250 - Pine, Oak	Poletimber Well	13.3	34	1-50	N/A	Sparse stand of sawlog sized Pin Oka, understory of JP, Rp poles alsosapling sized pin cherry and pin oak stump sprouts. Hold- Oak is not worth the distraction to the the J1-J2 understory. Old Comments. Previous comments still hold true. Oak is not very good quality. Some stems are dropping out. JP understory is doing well, Oak was featured previously, JP is now featured with some large diameter oak in the overstory as well.																																							
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32	310 - Herbaceous Openland	Nonstocked	34.7	0	Unspecified	4222 - Natural Jack Pine	Stand harvested in 2019 under contract 72-016-16(2) Williams Jack Pine. Current stand conditions are trending towards a poorly to moderately stocked Aspen stand with clumps of scrubby oak and cherry. Some scattered advanced oak regen. Originally a coded as a MC6 stand with pockets of aspen. Overall age of the stand was 52.																																							
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34	4310 - Pine, Oak Mix	Sapling Well	88.1	14	Immature	N/A	Stand harvested under tsale 720040601 in 2006-2007. It was decided that this stand was going to be planted to JP and FTP was submitted, C72-614. JP has good survival, just reaching the 3' mark. Oak is doing very well and competing with the JP. JC update: edited JP canopy age to reflect 2010 planting completion.																																							
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35	4133 - Aspen, Mixed Pine	Poletimber Well	23.6	27	Unspecified	N/A	Mixed stand. Stand was final harvested in 1997. It is approaching pole sized in most places. Aspen is decent quality, regeneration is extremely dense, very tough to walk through. There is a small patch of RP plantation in the south end of the stand. It is approximately 1/4 to 1/2 acre. Several locations that have yard waste dumped on state land.																																															
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36	790 - Other Bare/Sparsely Vegetated	Nonstocked	123.3	0	Unspecified	4211 - Planted Red Pine	Final harvested in early 2022 (#016-16) with island retention. Contract trenched May 2023 (C72-925) except for fuelbreak along Stickfort Road. Old Notes: Marginal 2-aged strip plantation. The older strips are from approximately 1967, the younger strips are from approximately 1997.																																															
37	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	6.4	24	Unspecified	N/A	Young JP plantation. JP is doing well. Oak is keeping pace, not a whole lot of browse in the stand. Lots of garbage and yard waste in teh stand from the neighboring subdivision.																																															
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39	42111 - Planted Red Pine, Mixed Deciduous	Sapling Medium	68.9	12	Immature	N/A	Stand harvested under tsale contract 72-003-06-01 by 2009. FTP submitted, C72-625. Leave Fuel Break along Lyle rd per Jim Fisher. Dense natural JP regen along with planted stock. There are some large top piles left throughout the stand from the harvest that were never cleaned up. They make good rabbitat. Accepted natural regeneration in the stand. No need for additional regen surveys. Old Comments: Planted JP/RP mix. About 80-20 JP-RP. JC update: trenched in 2011 (C72-625) and RP planted in 2012. Passed Year 3 regen survey to planted RP with significant component of natural regen (oak, JP). Canopy updates based on the treatment reports & past inventory data, not a site visit.																																															
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40	42220 - Natural Jack Pine	Poletimber Well	15.5	47	51-80	N/A	Jack pine stand mixed with some other species. Quality is fair. Some rolling terrain in the stand.																																															
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41	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	14.1	27	Unspecified	N/A	Planted JP in 1997. Some insect damage, about 10 20 % of trees are affected. Terminal leader is filled with white larvae, looks like WP Weevil possibly. Old Comment. Stand is dense in most areas. Cherry and oak is filling in where it is fairly open. Quality is fair.																																															
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42	42220 - Natural Jack Pine	Poletimber Medium	51.2	46	1-50	N/A	Sparsely stocked stand. JP is mostly pole sized. Quality is fair. Some large open areas throughout the stand. Cherry is filling in pretty readily.																																
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43	790 - Other Bare/Sparsely Vegetated	Nonstocked	51.4	0	Unspecified	4211 - Planted Red Pine	Stand was harvested early 2022 under contract 72-016-16 Williams Jack Pine. Stand is planned for planted red pine. Do NOT plant within 5 chains of Stickfort. The unplanted area will be utilized as a fuel break. Sale was whole tree skid, good scarification. Areas of thick Oak regen are expected. Stand age when harvested was 49 y.o. **For fuel break info see 'Trenching comments' in the next step treatments. **OLD NOTES:I suspect this was part of the plantation that is directly to the north, just may have filled in better than the other stands. JP is fair quality. Size varies throughout stand. RP in the area is nice quality and doing well.																																
44	42250 - Pine, Oak	Poletimber Medium	17.2	48	1-50	N/A	Sparse stand of sawlog sized Pin Oka, understory of JP, Rp poles alsosapling sized pin cherry and pin oak stump sprouts. Hold- Oak is not worth the distruction to the the J1-J2 understory. Stands were excluded from previous sale. Quality is decent.																																
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45	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	35.1	12	Immature	N/A	Stand was harvested by 2009 under tsale contract 72-003-06-01. FTP submitted, C72-625. Good oak regen, some JP regen. Heavy to cherry. Some larger Dia oak scattered through stand. Accepted natural regeneration, no need for additional regeneration surveys. Old Comment: Leave fuel break along Lyle Rd per Jim Fisher. JC update: trenched in 2011 (C72-625) and JP planted in 2012. Passed Year 3 regen survey to planted JP with significant component of natural regen (oak, JP). Canopy updates based on the treatment reports & past inventory data, not a site visit.																																
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46	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	22.6	27	Unspecified	N/A	Planted JP in 1997. Flat terrain, quality is decent. Lots of yard waste and trash dumped in stand from neighborhood. Nice oak regen along south end of the stand.																																
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47	3102 - Grass	Nonstocked	3.4			Managed Opening																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
49	3102 - Grass	Nonstocked	2.3			Managed Opening	Wildlife opening. ORV activity all around and through the opening. Some mixed pine in the center.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Jack Pine	Trace		Sapling	
50	710 - Sand, Soil	Nonstocked	7.4		Unspecified	No	This is a road and a maintained fire break. No trees are to be planted in this stand.					
51	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	37.5	12	Immature	N/A	Stand harvested under tsale contract 72-003-06-01 by 2009. FTP submitted, C72-625. Dense natural JP regen along with planted stock. There are some large top piles left throughout the stand from the harvest that were never cleaned up. They make good rabbitat. Accepted natural regeneration in the stand. No need for additional regen surveys. JC update: trenched in 2011 (C72-625) and JP planted in 2012. Passed Year 3 regen survey to planted JP with significant component of natural regen (oak, JP). Canopy updates based on the treatment reports & past inventory data, not a site visit.					
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								Black Cherry	10	Sapling	1	15
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400	3102 - Grass	Nonstocked	0.9		Unspecified		Plugged Well Delta Oil Co, State Greenwood, D3-13.					
401	3102 - Grass	Nonstocked	0.9		Unspecified		Former well site, plugging complete. Riverside Energy Michigan LLC, State Greenwood B2-13					
402	3102 - Grass	Nonstocked	1.0		Unspecified		Producing Gas well start hole. Riverside Energy Michigan LLC, State Greenwood D1-1.					
403	3104 - Degraded	Nonstocked	0.8		Unspecified		Producing GAS well. Riverside Energy Michigan LLC, State Greenwood D4-1.					
404	3102 - Grass	Nonstocked	1.0		Unspecified		Producing Gas well Riverside Energy Michigan LLC, State Greenwood B4-1					
405	3102 - Grass	Nonstocked	1.0		Unspecified		Producing Gas well Breitburn Operating, State Elmer 4-6, 4-6HDN1, 4-6HDL1, 4-6HD1, 4-6HD SUMP,					
406	3102 - Grass	Nonstocked	1.0		Unspecified		Producing Gas well Breitburn Operating, State Elmer 3-7					
407	110 - Low Intensity Urban	Nonstocked	1.5		Unspecified		Producing Gas well Breitburn Operating, State Elmer 1-7, 1-7HDL, 1-7HD, 1-7HDN					
408	3102 - Grass	Nonstocked	1.2		Unspecified		Producing Gas well Breitburn Operating, State Elmer D3-6, D3-6HD, D3-6HDL, D3-6HDN					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
409	3102 - Grass	Nonstocked	1.3		Unspecified		Directional Start hole, Producing gas Breitburn Operating, State Elmer 10-6
410	3102 - Grass	Nonstocked	1.0		Unspecified		Producing Gas well Breitburn Operating, State Elmer 8-6
411	3102 - Grass	Nonstocked	1.0		Unspecified		Producing Gas well Breitburn Operating, State Elmer 2-6