



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71081

Entry Year 2025

Acreage: 2,711

County Ogemaw

Management Area: High Sand Plains

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**Stand Examiner:** Brian Martell

**Legal Description:**

T22N, R01E Section 2

T23N, R01E Sections 21, 26, 27, 28, 33, 34, 35

**Identified Planning Goals:**

Provide for sustainable ecosystem based management including forest products, wildlife, and recreation. Maintain healthy and diverse forested stands. Provide habitat for Kirtland warbler as per the KW Management Plan within T23N, R01E Sections 21, 28, and 33.

**Soil and topography:**

Surface soils include Graycalm, Klacking, Rubicon, Grayling, Menominee sand and Isabella and Montcalm loamy sand. Topography is mostly rolling hills, with some areas of steeper slopes and some flatter areas.

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

This compartment is somewhat jagged and has a lot of interface with private property. There is also a decent amount of surrounding state land around the compartment.

**Unique Natural Features:**

Kirtland warbler is present in the northern section of the compartment as well as a small occurrence of fragile prickly pear.

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

Two archeological sites fall within the compartment.

**Special Management Designations or Considerations:**

Kirtland Warbler habitat.

**Watershed and Fisheries Considerations:**

None noted.

**Wildlife Habitat Considerations:**

Follow existing plans for Kirtland's warbler habitat that are in place. Also, maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species.

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

Surface sediments consist of ice contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is quarried for gypsum elsewhere in the State. A gravel pit is located in Section 23 and potential is thought to be good. The Rose City Fields are located two miles to the northeast. The fields have produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation and are in secondary recovery operations currently. The main field also produces from the Prairie du Chien, and has produced over 31 Bcf gas and 200,000 BO. None of the State land is currently leased in the compartment.

**Vehicle Access:**

There is good access throughout the compartment utilizing county roads and various forest roads located along most quarter-quarter lines.

**Survey Needs:**

Surveys needed for stand 20 in section 27 and for stands 70 and 76 in section 2.

**Recreational Facilities and Opportunities:**

Recreation pressures exist in the compartment from the proximity of private land. Evidence of snowmobile/ORV, hunting, hiking and other dispersed recreation are popular in the area. There are many ORV, Snowmobile, and Motorcycle trails that run through the compartment and are a part of the Ogemaw Hills Route or Ogemaw Hills Trail.

**Fire Protection:**

Cover types include red pine, jack pine, mixed conifer, oak and mixed upland types.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

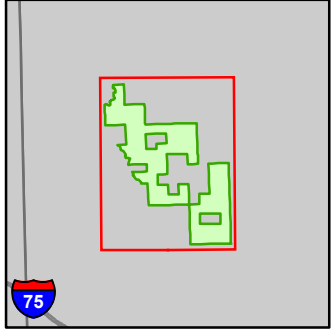
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

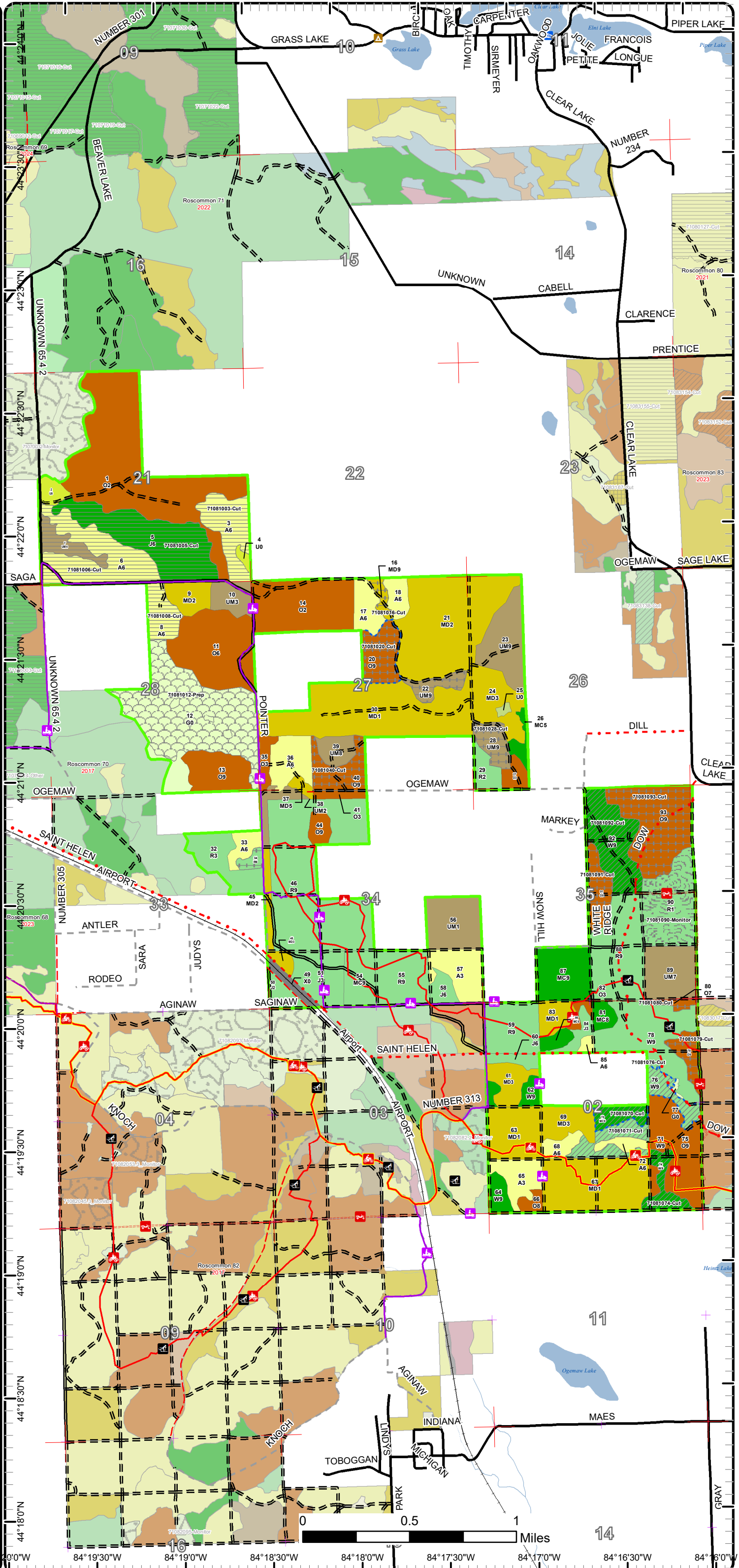
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 81  
 T23N-R03W Sec. 26,27,34,35  
 County: Ogemaw  
 Unit: Roscommon  
 Mgmt Area: High Sand Plains  
 YOE: 2025  
 Acres: 2710.8 GIS Calculated  
 Examiner: Brian Martell  
 Map Revised: 7/5/2023  
 Map Phase: Web-Post

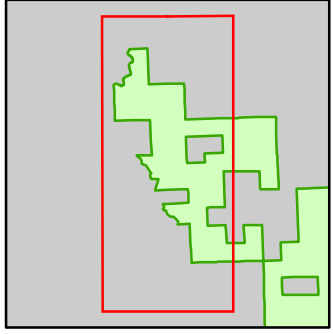


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- Ski Trails
- MCCCT Trails
- ORV Trails
- ORV Routes
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- Designated ATV
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- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Monitoring
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees

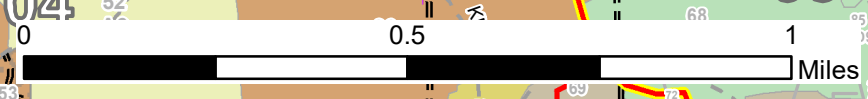
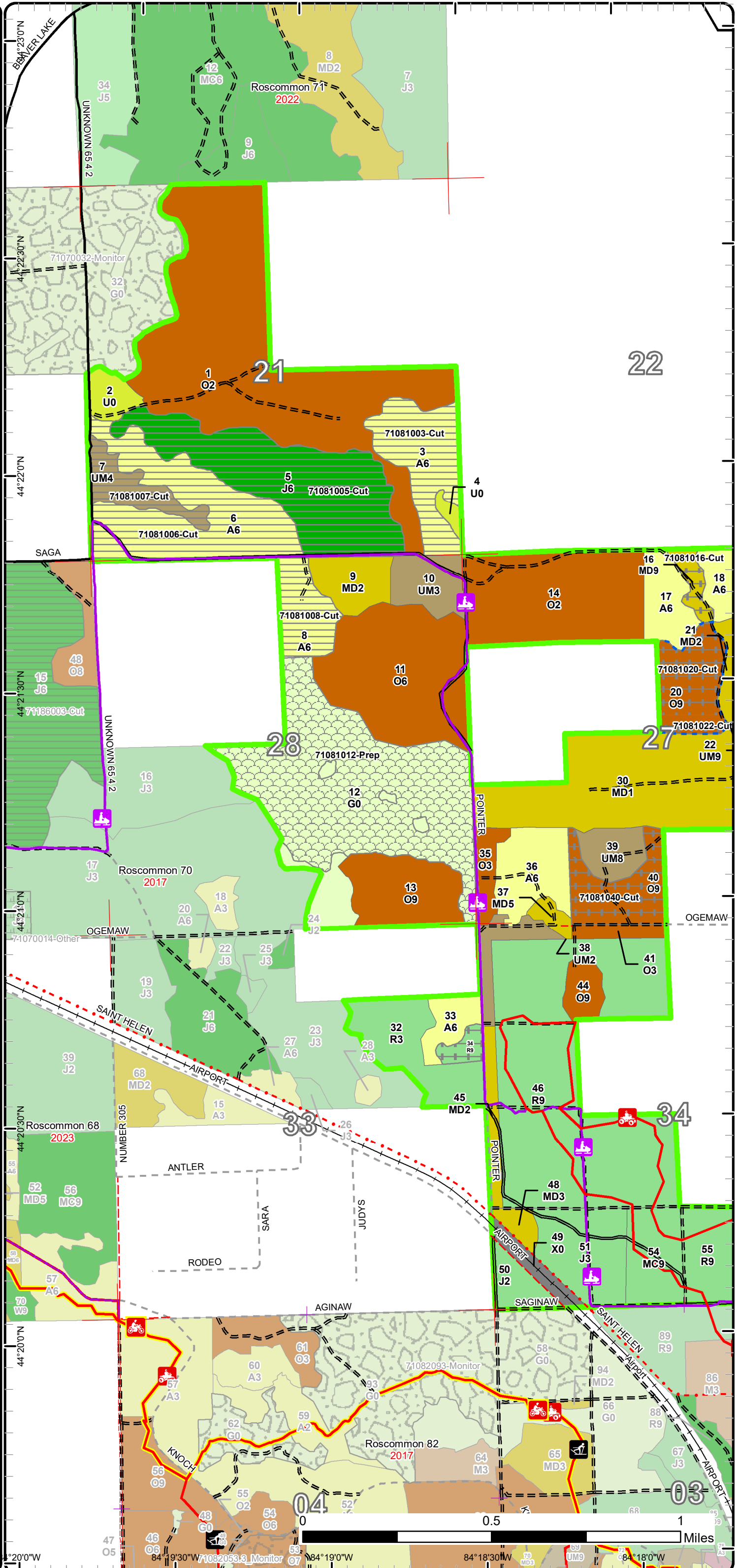


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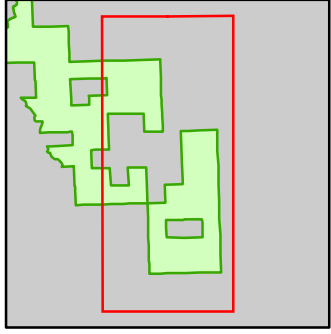


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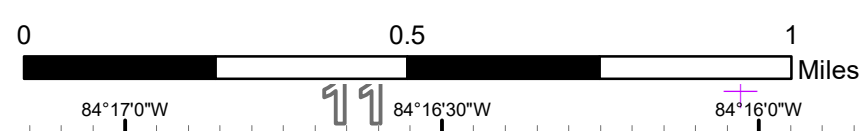
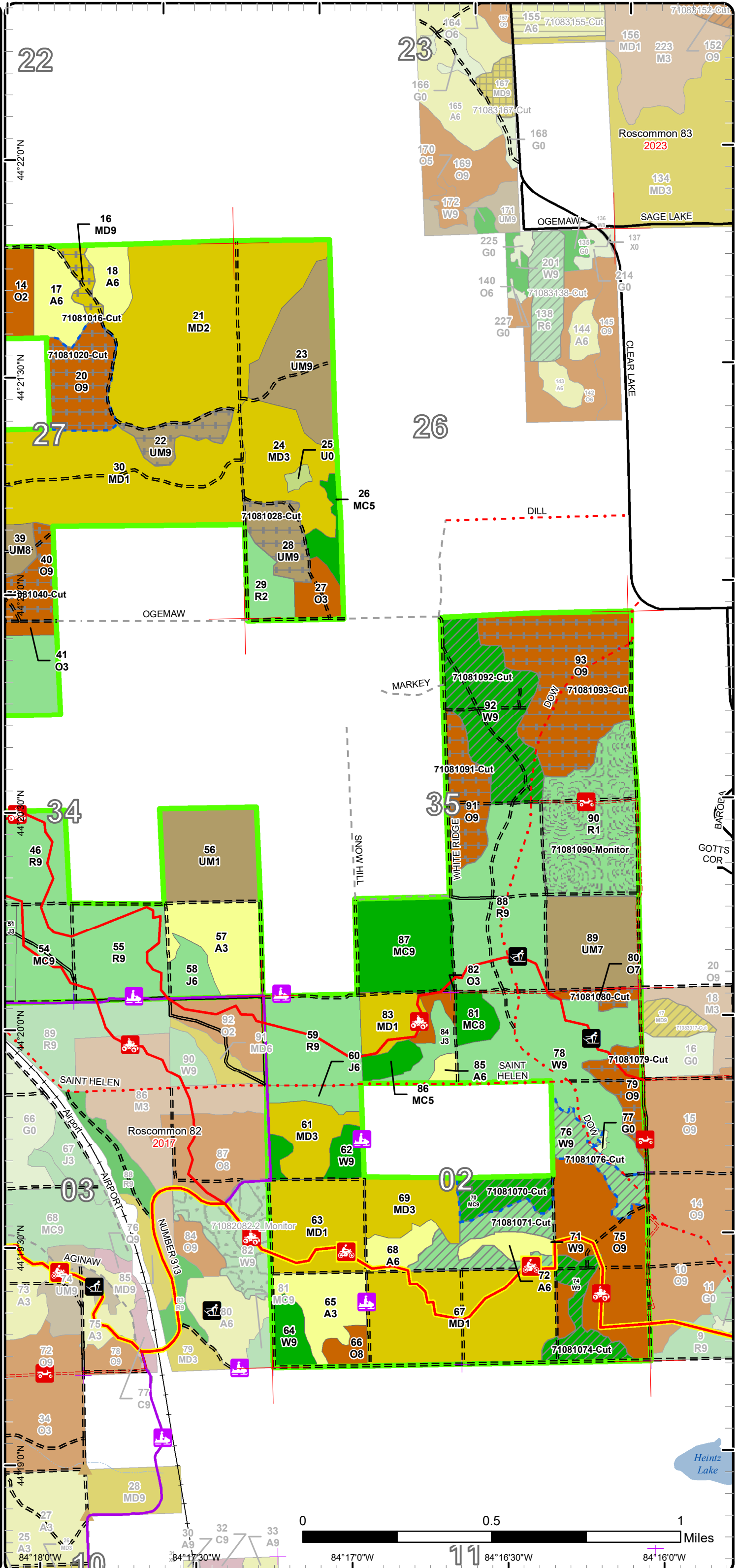


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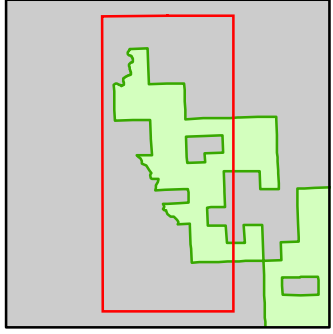


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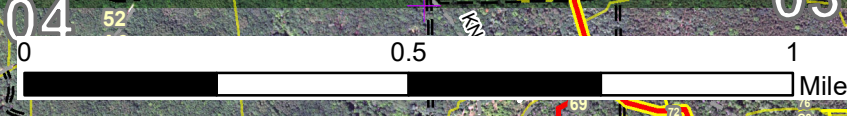
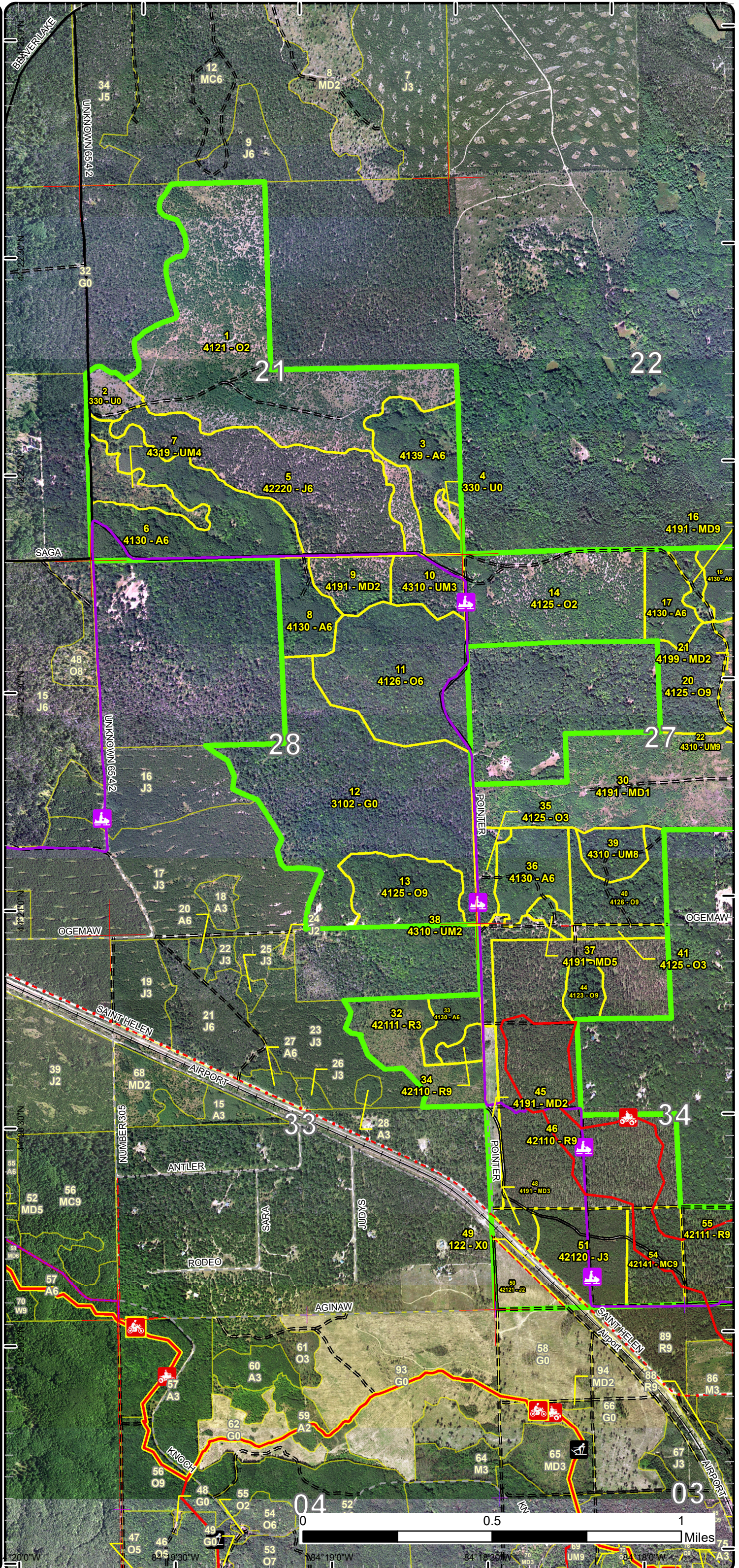


# Stand Boundary Map

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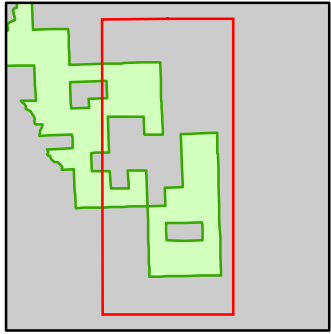


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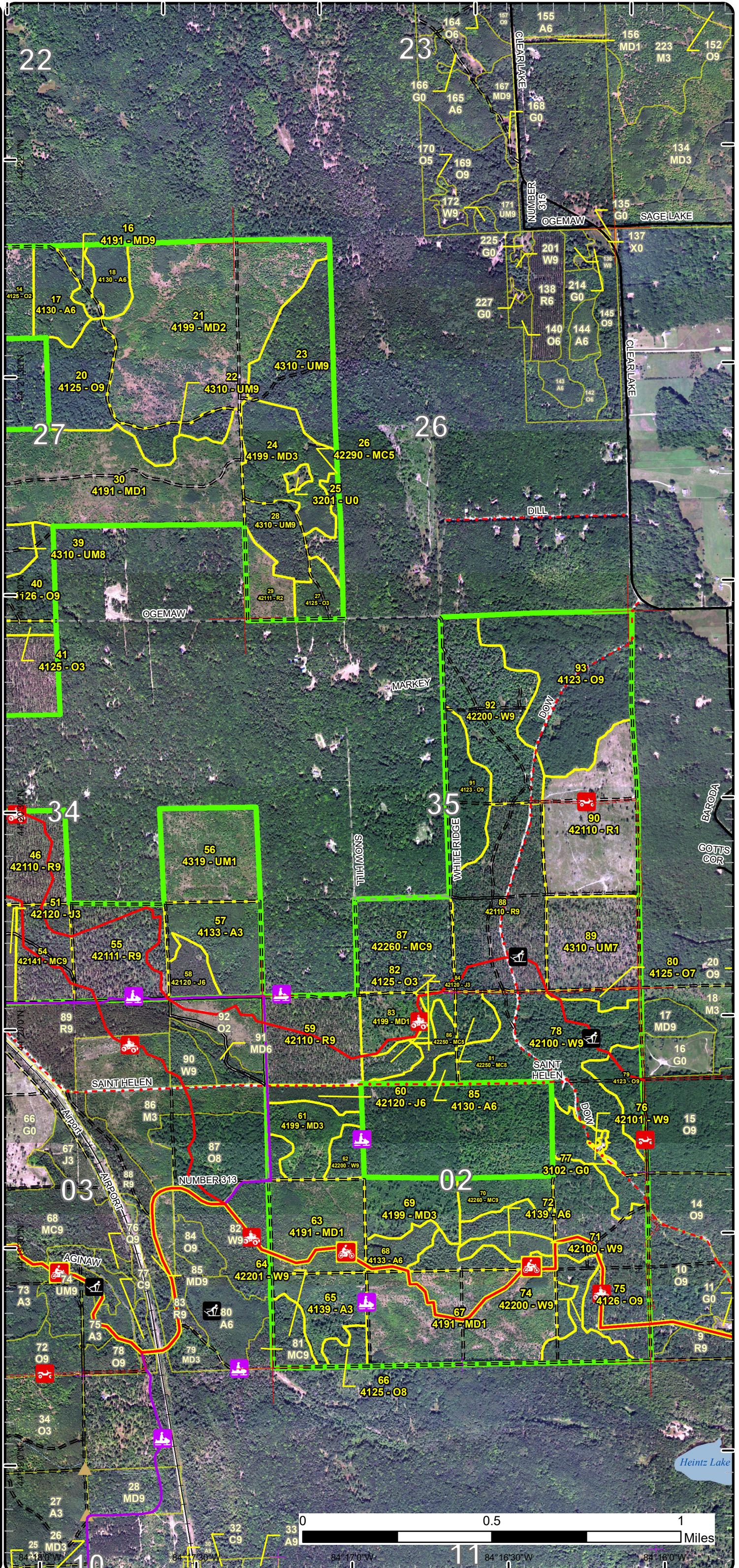


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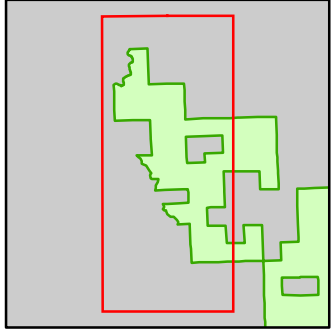


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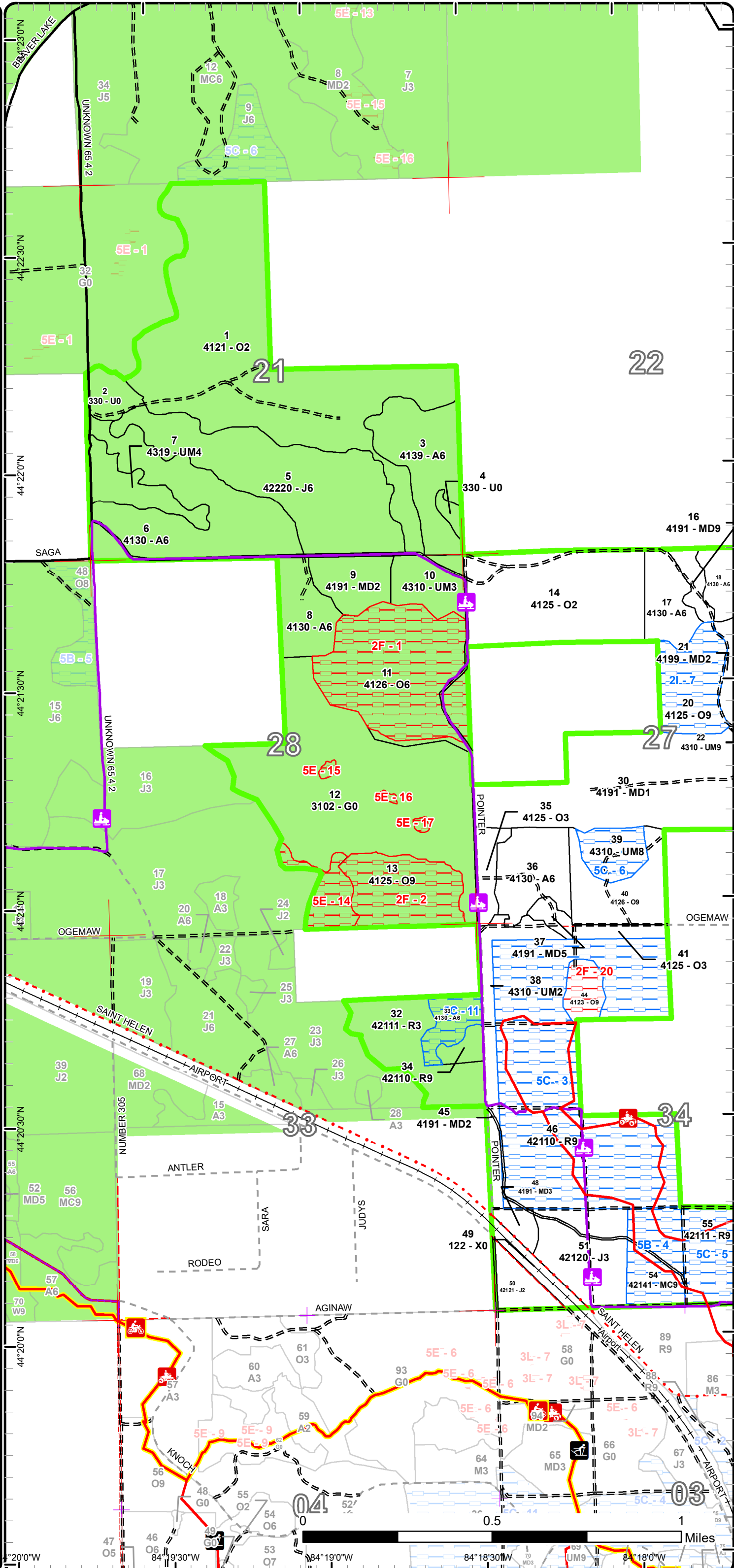


# Special Conservation Areas

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- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat







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	0	23	0	56	122	70	0	0	0	0	0	0	0	0	0	0	0	271
Herbaceous Openland	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153
Jack Pine	0	12	0	0	19	43	83	0	0	0	0	0	0	0	0	0	0	0	157
Low-Density Trees	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Mixed Upland Deciduous	0	0	304	144	0	67	0	0	0	0	0	7	0	0	0	0	0	0	521
Natural Mixed Pines	0	0	0	0	0	15	0	0	0	0	9	56	0	0	0	0	0	0	79
Oak	0	0	0	177	85	20	0	0	0	0	0	112	129	121	0	0	0	0	644
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	25
Red Pine	0	60	13	34	0	0	0	0	0	41	5	270	0	0	0	0	0	0	423
Upland Mixed Forest	0	0	40	30	0	0	18	44	14	0	0	51	16	0	0	0	0	0	213
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	0	0	0	0	52	139	11	0	0	0	0	0	202
<b>Total</b>	<b>176</b>	<b>72</b>	<b>380</b>	<b>385</b>	<b>160</b>	<b>267</b>	<b>171</b>	<b>44</b>	<b>14</b>	<b>41</b>	<b>91</b>	<b>635</b>	<b>156</b>	<b>121</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2711</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2025

Acres of Harvest

Compartment 81  
Total Compartment Acres: 2,711

Commercial Harvest - 510  
Harvests with Site Condition - 59  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	130	0	0	0	0	0	0	0	0	130
Jack Pine	83	0	0	0	0	0	0	0	0	83
Mixed Upland Deciduous	0	0	0	0	0	7	0	0	0	7
Natural Mixed Pines	0	0	0	0	14	0	0	0	0	14
Oak	0	0	0	0	0	175	0	0	0	175
Red Pine	0	0	0	0	0	5	0	0	0	5
Upland Mixed Forest	18	0	0	0	0	29	0	0	0	46
White Pine	0	0	0	0	109	0	0	0	0	109
<b>Total</b>	<b>230</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>123</b>	<b>216</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>569</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	569	136	0	0	0	60	0	0	0	764
Next Step	0	0	136	0	271	641	0	0	0	1048
<b>Total</b>	<b>569</b>	<b>136</b>	<b>136</b>	<b>0</b>	<b>271</b>	<b>701</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1812</b>



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

<b>3</b>	<b>71081003-Cut</b>	38.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	56	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<u>Prescription</u> Clearcut with retention. Focus some retention around legacy white pine near center of stand. Add drumming log spec and protection spec for legacy white pine.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Fully to moderately stocked stand of aspen and red maple, with trace amounts of white pine.											
<u>Regen:</u>											
<u>Other</u> Cut with neighboring stands to the West.											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2024											
<b>5</b>	<b>71081005-Cut</b>	83.2	42220 - Natural Jack Pine	Poletimber Well	50	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<u>Prescription</u> Clearcut with retention. Use retention to break up visual of snowmobile/ORV trail. Protect regen as much as possible. Add oak wilt, regen protection, and snowmobile/ORV trail specs. Mark to leave any legacy pine or oak.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Expect moderate to full stocking of red maple and aspen, with a mix of jack pine and pin oak											
<u>Regen:</u>											
<u>Other</u> Cut with neighboring stands.											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2024											
<b>6</b>	<b>71081006-Cut</b>	70.5	4130 - Aspen	Poletimber Well	46	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<u>Prescription</u> Clearcut with retention. Use retention to break up visual for snowmobile/ORV trail. Add oak wilt, drumming log, regen protection, and snowmobile/ORV trail protection specs.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Expect moderate to full stocking of aspen, with a mix of red maple and oak.											
<u>Regen:</u>											
<u>Other</u> Cut with neighboring stands.											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2024											
<b>7</b>	<b>71081007-Cut</b>	17.5	4319 - Mixed Upland Forest	Poletimber Poor	56	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<u>Prescription</u> Clearcut with retention. Use retention to break up visual of snowmobile/ORV trail. Add oak wilt and Snowmobile/ORV trail specs.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Mixed upland forest consisting of aspen, red maple, jack pine, and oak that meets minimum stocking. If natural regen fails, full stocking of planted red pine.											
<u>Regen:</u>											
<u>Other</u> Stand is open and has low merchantability, cut with adjacent aspen stand to try to get stand to fill in. If natural regen fails, trench and plant to red pine											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2024											



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
8	71081008-Cut	20.9	4130 - Aspen	Poletimber Well	50	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Focus retention on any steep slopes where operating may be difficult. Add drumming log and snowmobile/ORV trail specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Expect moderate to full stocking of aspen and red maple.</p> <p><u>Regen:</u></p> <p><u>Other</u> Cut with neighboring stands to the North.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
12	71081012-Prep	135.5	3102 - Grass	Nonstocked	0		SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Trench at standard spacing for a red pine plantation. Go around existing retention islands, which have been excluded from the treatment area. Trench through the blocked-off skidding road that runs through the stand.</p> <p><u>Next Step</u> Pesticide, Aerial - Release; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Fully stocked stand of planted red pine.</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 /2023</p>											
16	71081016-Cut	6.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	105	141-170	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Overstory removal, no retention due to size. Leave all legacy trees. Protect regen as much as possible. Add oak wilt and regen protection specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Moderate to full stocking of red maple and white pine, with a mix of other deciduous species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Cut with neighboring stands 20, 22, and 28.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
20	71081020-Cut	28.0	4125 - Black, N. Pin Oak	Sawtimber Well	120	111-140	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Overstory removal with retention. Leave any legacy trees. Protect regen as much as possible. Add regen protection specs and oak wilt specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Moderate to full stocking of red maple, with a mix of oak and pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Cut with adjacent stands 16, 22, and 28.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
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22	71081022-Cut	12.3	4310 - Pine, Oak Mix	Sawtimber Well	100	141-170	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Overstory removal with retention. Leave any legacy trees. Protect regen as much as possible. Add oak wilt and regen protection specs.  
Specs:

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

Acceptable Moderate to full stocking of red maple, with a mix of oak and pine.  
Regen:

Other Cut with neighboring stands 16, 20, and 28.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

28	71081028-Cut	16.3	4310 - Pine, Oak Mix	Sawtimber Well	110	141-170	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Overstory removal with retention. Leave any legacy trees. Protect regen as much as possible. Add oak wilt and regen protection specs.  
Specs:

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

Acceptable Moderate to full stocking of red maple and white pine, with a mix of other deciduous spp.  
Regen:

Other Cut with neighboring stands 16, 20, and 22.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

34	71081034-Cut	5.3	42110 - Planted Red Pine	Sawtimber Well	95	141-170	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Overstory removal, no retention due to size. Leave any legacy trees. Protect regen as much as possible. Add oak wilt and regen protection specs.  
Specs:

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

Acceptable Moderate to full stocking of white and hybrid oak with a lesser component of white pine. Expect some aspen and red maple to grown in from neighboring stands.  
Regen:

Other Cut with other nearby treatments.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

40	71081040-Cut	27.3	4126 - White, Black, N. Pin Oak	Sawtimber Well	111	81-110	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Overstory removal with retention. Leave any legacy trees. Protect regen as much as possible. Add oak wilt and regen protection specs.  
Specs:

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

Acceptable Moderate to full stocking of red maple, with a mix of aspen, oak, and pine spp.  
Regen:

Other Cut with other nearby treatments.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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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<b>70</b>	<b>71081070-Cut</b>	14.4	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	106	171-200	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Thin down to 70 to 90 BA. Remove poor formed and suppressed trees, as well as larger trees that are ready to be harvested. Leave smaller log and pole sized trees that can put on more growth, any legacy white and red pine, and any potential den trees. Protect any existing regen where present, especially white pine and oak. Thinning should allow smaller trees to put on growth, while promoting regeneration in the subcanopy.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2024

<b>71</b>	<b>71081071-Cut</b>	22.6	42100 - Planted White Pine	Sawtimber Well	102	141-170	Harvest	Crown Thinning	4210 - Planted White Pine	Even-Aged	No
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Prescription Thin down to 70 to 90 BA. Remove poor formed and suppressed trees, as well as larger trees that are ready to be harvested. Leave smaller log and pole sized trees that can put on more growth, any legacy white and red pine, and any potential den trees. Protect any existing regen where present, especially white pine and oak. Thinning should allow smaller trees to put on growth, while promoting regeneration in the subcanopy.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

<b>74</b>	<b>71081074-Cut</b>	17.3	42200 - Natural White Pine	Sawtimber Well	107	81-110	Harvest	Crown Thinning	4210 - Planted White Pine	Even-Aged	No
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Prescription Thin down to 70 to 90 BA. Remove poor formed and suppressed trees, as well as larger trees that are ready to be harvested. Leave smaller log and pole sized trees that can put on more growth, any legacy white and red pine, and any potential den trees. Protect any existing regen where present, especially white pine and oak. Thinning should allow smaller trees to put on growth, while promoting regeneration in the subcanopy.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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
76	71081076-Cut	16.4	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	105	111- 140	Harvest	Crown Thinning	4210 - Planted White Pine	Even-Aged	No
<p><u>Prescription</u> Thin down to 70 to 90 BA. Remove poor formed and suppressed trees, as well as larger trees that are ready to be harvested. Leave smaller log and pole sized trees that can put on more growth, any legacy white and red pine, and any potential den trees. Protect any existing regen where present, especially white pine. Thinning should allow smaller trees to put on growth, while promoting regeneration in the subcanopy.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
79	71081079-Cut	14.5	4123 - Red Oak	Sawtimber Well	115	81-110	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Overstory removal with retention. Protect white pine regen where present, red maple regen can be cut in an attempt to set it back. Leave any legacy trees and obvious den trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of oak, pine, and maple regen that meets moderate to full stocking requirements for a mixed upland forest. <u>Regen:</u></p> <p><u>Other</u> Add oak wilt specs, regen protection specs, den tree specs. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
80	71081080-Cut	5.6	4125 - Black, N. Pin Oak	Sawtimber Poor	106	51-80	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Overstory removal with retention. Protect white pine and oak regen where present, red maple and aspen regen can be cut in an attempt to set it back. Leave any legacy trees and obvious den trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of oak, pine, aspen, and maple regen that meets moderate to full stocking requirements for a mixed upland forest. <u>Regen:</u></p> <p><u>Other</u> Add oak wilt spec, regen protection spec, and den tree spec. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
91	71081091-Cut	24.0	4123 - Red Oak	Sawtimber Well	105	111- 140	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Overstory removal with retention, protect pine and oak regen. Red maple regen can be cut in order to set it back. Leave any obvious den trees and legacy trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of oak, maple, and pine that meets requirements for moderate to full stocking in a mixed upland forest. <u>Regen:</u></p> <p><u>Other</u> Add oak wilt, regen protect and den tree specs. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>92 71081092-Cut</b>	52.4	42200 - Natural White Pine	Sawtimber Well	95	111-140	Harvest	Crown Thinning	4210 - Planted White Pine	Even-Aged	No
<p><u>Prescription</u> Thin down to 70 to 90 BA. Remove poor formed and suppressed trees, as well as larger trees that are ready to be harvested. Leave smaller log and pole sized trees that can put on more growth, any legacy white and red pine, and any potential den trees. Protect any existing regen where present, especially white pine and oak. Thinning should allow smaller trees to put on growth, while promoting regeneration in the subcanopy.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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 /2024</p>										
<b>93 71081093-Cut</b>	75.5	4123 - Red Oak	Sawtimber Well	104	111-140	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Overstory removal with retention, protect pine and oak regen. Red maple regen can be cut in order to set it back. Leave any obvious den trees and legacy trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of oak, maple, and pine that meets moderate to full stocking for an upland mixed forest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Add oak wilt, regen protection, and den tree specs.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

**Approved Treatments:**

<b>90 71081090-Monitor</b>	60.0	42110 - Planted Red Pine	Sapling Poor	5	Immature	Monitoring	Other - Specify	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Check to see how the herbicide release did to open up seedlings for FTG status and get a better count on pine survival to see if need a supplemental replant.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine 80% FTG</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> 5 /30/2023</p>										

**Total Treatment Acreage Proposed: 764.3**

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
 Brian Martell : Examiner

Compartment: 81  
 Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2I	5B	5C	2F	3D	5E	
272	261	11	0	Aspen			11				
153	137	0	15	Herbaceous Openland							15
157	157	0	0	Jack Pine							
13	13	0	0	Low-Density Trees							
521	500	20	0	Mixed Upland Deciduous			20	0			
79	15	64	0	Natural Mixed Pines	14		50				
644	431	94	119	Oak	28		66	119			
25	0	25	0	Planted Mixed Pines		25					
424	112	311	1	Red Pine			311				1
213	160	53	0	Upland Mixed Forest		39	14				
2	2	0	0	Upland Shrub							
8	8	0	0	Urban							
202	92	99	11	White Pine	16		83		11		
2,711	1,888	677	146	Total Forested Acres	59	64	554	119	11		16
	70%	25%	5%	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	2F: Too steep	76	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2F: Too steep	34	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 81

Brian Martell : Examiner

Year of Entry: 2025

3	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	162	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold stand to put on more growth and allow regen to pass free to grow.							
4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold to allow regen to get past free to grow.							
5	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	41	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Allow stand to grow into log class.							
7	<b>Available</b>	<b>2I: Survey needed</b>	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>2I: Survey needed</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
 Brian Martell : Examiner

Compartment: 81  
 Year of Entry: 2025

9	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Leave stand to put on growth.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold stand to put on growth.							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	59	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Allow stand to put on growth and let regen develop further.							
14	Unavailable	5E: Long-Term Retention	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
 Brian Martell : Examiner

Compartment: 81  
 Year of Entry: 2025

16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold stand to put on growth and let regen develop.							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand is too small to treat, let stand put on growth.							
20	Unavailable	2F: Too steep	9	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Most of stand is too steep to cut, allow operable portions to grow into log class.							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Brian Martell : Examiner

Compartment: 81

Year of Entry: 2025

22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Allow stand to put on more growth							
23	Unavailable	3D: Recreational / Scenic values	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold on to stand for diversity.							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	72	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Available	5B: Maintain for regeneration purposes	39	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	69	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Roscommon Mgt. Unit**  
**Brian Martell : Examiner**

**Compartment: 81**  
**Year of Entry: 2025**

28	Available	2I: Survey needed	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments
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### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	4121 - Oak, Aspen	Sapling Medium	177.4	23	Immature	N/A	Young Oak and Aspen stand with a smaller component of white oak and Jack pine. Stand was clearcut in 2000. Most of oak is from stump sprout origin. Some areas are a bit more open with lower regen density. Old Comment: Final harvest done finished in 2000. Very good regeneration of both oak and aspen coming in. The oak came back heavy on the stump sprouts and fair amounts of seeding. The stand is full of small aspen clones throughout and also will find scattered jack pine. On the high side for canopy closure percentage.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>60</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> <tr> <td>White Oak</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>8</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Northern Pin Oak	60	Sapling	2	23	Quaking Aspen	30	Sapling	2	23	White Oak	2	Sapling	2		Jack Pine	8	Sapling	2																								
Canopy Species	% Cover	Size Class	DBH	Age																																														
Northern Pin Oak	60	Sapling	2	23																																														
Quaking Aspen	30	Sapling	2	23																																														
White Oak	2	Sapling	2																																															
Jack Pine	8	Sapling	2																																															
2	330 - Low-Density Trees	Nonstocked	9.7		Immature	No	Grassy opening with a low density of open grown cherry, jack pine, and pin oak. Trees are mostly distributed evenly across the stand, but there some clumps.																																											
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Pin Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak		Low	5 - 10 feet	Sapling	Jack Pine	Low	5 - 10 feet	Sapling	Pin Cherry	Low	5 - 10 feet	Sapling																																
Sub-Canopy Species	Density	Avg. Height	Size																																															
Northern Pin Oak	Low	5 - 10 feet	Sapling																																															
Jack Pine	Low	5 - 10 feet	Sapling																																															
Pin Cherry	Low	5 - 10 feet	Sapling																																															
3	4139 - Aspen, Mixed Deciduous	Poletimber Well	38.1	56	111-140	N/A	Mostly pole size aspen stand with a mix of red maple and pin oak. North end of stand has a bit larger aspen that is closer to log sized. Red maple is of stump-sprout origin in clusters of 6 to 10. BA averaging around 120. Understory has high stocking of red maple and not much else. There is a small inclusion of Jack and white pine towards the center of the stand.  Old Comment: Dominate canopy species is aspen on the tops of ridges. The red maple is slowly entering more into the canopy and has taken over almost all the sub-canopy regeneration. On the northern fringe will find the log sized aspen mixed in with a fair amount of stump sprouted red maple. Hold for one more rotation due to the compartment being harvested heavily this rotation for Kirtland Warbler habitat.																																											
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4	330 - Low-Density Trees	Nonstocked	2.9			No	Grassy open with a small amount of scattered Jack pine and cherry.																																											
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5	42220 - Natural Jack Pine	Poletimber Well	83.2	50	81-110	N/A	Mostly pole-sized Jack pine stand with a smaller portion of Red Pine and pin oak. Red pine is mostly saw sized with some poles. BA average is around 100. Understory is fairly open, with a medium amount of pin oak.  Old Comment: Stand harvested in 1977. Find no planting records or rows in the stand so believe it is all natural. Not the best quality jack pine but hold it one more rotation and treat with the adjoining aspen stands.																																											
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6	4130 - Aspen	Poletimber Well	70.5	46	141-170	N/A	Pole sized Aspen stand with a mix of red maple and pin oak. BA averages are around 150 to 160. Stand has a well developed understory of red maple with some pin oak mixed in. Small inclusion towards the center of the stand that is more open with some log sized red pine mixed in.  Old Comment: Very nice aspen stand but chose not to harvest at this time because this compartment is being cut heavily this rotation for Kirtland Warbler habitat. The stand will hold fine until next rotation.																																											
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7	4319 - Mixed Upland Forest	Poletimber Poor	17.5	56	1-50	N/A	Open stand of scattered cherry and jack pine with a small amount of aspen and red pine. Stand is poor quality with most trees being pole or sapling sized.  Old Comment: A very poor quality stand of mainly pin cherry with jack pine clumps. Recommend holding site one more rotation and then final harvesting with the aspen stand to the south. Afterward plant areas not filling in with the adjacent aspen to jack pine.																																													
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8	4130 - Aspen	Poletimber Well	20.9	50	141-170	N/A	Good quality aspen stand that is mostly pole sized. BA averages are around 160. Terrain is rolling, with most of the stand running along a ridge top.																																													
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9	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	17.4	28	Immature	N/A	Young mixed upland stand consisting of hybrid oak and jack pine with a smaller component of red maple and cherry. There is also a trace of red pine. Stand is very similar to Stand 10 to the East, but has lower amount of pine and more red maple. This stand also has very few larger overstory trees left from the previous harvest compared to 10.																																													
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10	4310 - Pine, Oak Mix	Sapling Well	18.0	28	Immature	N/A	Mixed stand of young hybrid oak and Jack pine. There are also smaller portions of white pine, red pine, and white oak. Stand is mostly immature, but there were some scattered pole and log sized pine and oak that were left during the last harvest.  Old Comment: Several age classes of mixed oak and jack pine. Scattered red pine, white pine, and jack pine left for retention. Feature stand is the understory.																																													
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11	4126 - White, Black, N. Pin Oak	Poletimber Well	78.2	115	81-110	N/A	Older oak stand with a lot of stagnant poletimber mixed with scattered low quality log trees. Most of stand is on pretty step terrain along high ridges. Stand would be a prime candidate to cut and restart, but most of stand would be too hard to cut with the steep terrain.																																													
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12	3102 - Grass	Nonstocked	151.5	0		No	Cut in the fall of 2021, but not much has come back yet. There are some clumps of stump sprouted red maple, but it has been very heavily browsed.																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>13</b>	4125 - Black, N. Pin Oak	Sawtimber Well	33.8	120	81-110	N/A	Mature oak stand that is on varying terrain. Southern part of stand is mostly a steep slope, while north part is a bit more flat. BA averages are around 90. Understory has very little development, with low to medium amounts of red maple and oak.																																											
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<b>14</b>	4125 - Black, N. Pin Oak	Sapling Medium	74.0	34	Immature	N/A	Young mixed Oak stand that is mostly sapling sized. Stand also has a mix of Aspen and maple. There is a lot of open areas in the stand, regen tends to be focused in clusters. Stump sprouting is pretty common, but there is a bit of seed origin as well.																																									
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<b>16</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.7	105	141-170	N/A	Mixed stand of red maple, hybrid oak, white pine, red pine, Aspen, and white oak. Stand is a mix of log and pole sized trees. Understory has decent development with moderate stocking of red maple and white pine. Much of the red maple is from stump sprout origin. South end of stand is a bit more open and features some larger white pine and red maple. It was a separate stand, but had to be merged in due to acreage being too low.																																												
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<b>17</b>	4130 - Aspen	Poletimber Well	17.9	42	81-110	N/A	Sapling to small pole sized Aspen stand that is fairly dense. BA is around 90, but about half of stand is still immature. The center of the stand has some steep and sloping terrain, especially on the North face. The North tip of the stand is a little heavier to the pole size class, and BA is a bit higher due to trees being larger overall. This area was a separate stand but was merged in due to acreage being too low.																																									
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<b>18</b>	4130 - Aspen	Poletimber Well	11.5	37	111-140	N/A	Young aspen stand that is mostly a mix of poles and saplings. There are also some white pine scattered throughout.																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>20</b>	4125 - Black, N. Pin Oak	Sawtimber Well	28.0	120	111-140	N/A	Mixed deciduous stand pin oak, red maple, white oak, and Red pine with a mix of other species. North end of stand has more red maple and aspen. It looks like red maple was cut out of the south end of the stand in the past. Stand is mostly log sized , with some poles as well. BA is around 110 to 120. Stand has a well developed understory of red maple and mixed oak.  Old Comment: Looks like red maple was cut out of stand in the past. Heavy rm regen in understory, just reaching canopy. Ridge top was not cut. Scattered red oak.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	7	Pole	6		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Northern Pin Oak	30	Log/Pole	11	120	Northern Pin Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole	11		White Pine	Low	Variable	Sapling
Red Oak	5	Log	11		Red Maple	Full	Variable	Sapling
Bigtooth Aspen	5	Pole	5		White Oak	Low	< 5 feet	Sapling
White Oak	15	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	15	Pole	5					
Red Pine	13	Pole/Sapling	5					

<b>21</b>	4199 - Other Mixed Upland Deciduous	Sapling Medium	126.5	27	Immature	N/A	Large immature stand that has the same species throughout, but composition varies across the stand. Stand consists of aspen, red maple, oak spp, Jack pine, and red pine. Some areas are heavier to Aspen and some to red maple. There are also some smaller patches of planted red pine intermixed with deciduous species. Old Comment: Stand is diverse with variable canopy and species composition. Red pine scattered throughout. Oak regen is from 6" seedlings to 6' stump sprouts. Scattered aspen clones. Open pockets of sedge. Portion of stand were trenched and planted to red pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	10	Sapling	1		Red Pine	Medium	Variable	Seeding
White Pine	2	Sapling	2		Witch Hazel	Low	Variable	Tall Shrub
Red Pine	6	Sapling	3					
Black Cherry	6	Sapling	1					
White Oak	8	Sapling	1					
Bigtooth Aspen	28	Sapling	1					
Black/Red (Hybrid) Oak	10	Sapling	1					
Red Maple	30	Sapling	1	27				

<b>22</b>	4310 - Pine, Oak Mix	Sawtimber Well	12.3	100	141-170	N/A	Mixed stand of red pine, red maple, hybrid oak, Jack pine, and white pine. Stand is log and pole sized with a BA around 160. Stand has a good understory of red maple, with mixed oak and white pine.  Old Comment: Stand looks like retention from previous harvest, provides good buffer between stands 8 and 12. Red maple understory with variable density. Trace BTA.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole/Log	8		White Oak	Low	< 5 feet	Sapling
Jack Pine	15	Pole/Log	8		White Pine	Low	Variable	Sapling
Red Maple	25	Pole/Log	8		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	25	Log	12		Red Maple	High	Variable	Sapling
Red Pine	30	Log	14	100				

<b>23</b>	4310 - Pine, Oak Mix	Sawtimber Well	43.6	65	81-110	N/A	Mixed stand of white pine, red pine, pin oak, and white oak. Stand is a mix logs and poles, with BA around 100. Understory is pretty well developed with a mix of red maple, white pine, and red pine. Old Comment: Very mixed stand nice white pine and red maple. red pine and red maple understory, thick in places. Oak starting to senesce.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	30	Pole/Sap/Log	9	65	White Pine	Medium	Variable	Sapling
Red Maple	20	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Northern Pin Oak	16	Log/Pole	12		Red Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	4	Log	13		Red Maple	Medium	Variable	Sapling
White Oak	8	Log	14		Black Cherry	Low	5 - 10 feet	Sapling
Red Pine	2	XLog	22					
Red Pine	20	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
24	4199 - Other Mixed Upland Deciduous	Sapling Well	36.5	45	51-80	N/A	Some red maple, and pin oak stump sprouts entering pole class. Aspen thicker on east side of stand, red maple thicker on west side of stand. Red pine, white pine, and jack pine saplings present.																																																					
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25	3201 - Sweet Fern	Nonstocked	1.9			No	Opening with heavy sweet fern cover. Several red pine and pin oak are scattered around the edge of the opening.																																																					
26	42290 - Natural Mixed Pine	Poletimber Medium	7.7	42	51-80	N/A	Mixed stand of red pine, jack pine, Aspen, red maple, and pin oak. Stand is pretty open with BA averaging around 60 or 70. Stand is a mix of poles and logs. Understory is very open, with little to no regeneration.																																																					
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28	4310 - Pine, Oak Mix	Sawtimber Well	16.3	110	141-170	N/A	Mixed upland stand of pin oak, white pine, red pine, and red maple. There is also a small mix of a few other species. Stand is mostly log sized, with a good amount of poles mixed in. Understory is decently developed with medium amounts of red maple and white pine.																																																					
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29	42111 - Planted Red Pine, Mixed Deciduous	Sapling Medium	13.3	10	Immature	N/A	Young red pine plantation that has a mix of red maple and pin oak. Red Pine seedlings are doing pretty well, with most being free to grow. There are scattered small pockets where the red pine didn't take as well and red maple is dominant.																																																					
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30	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	135.1	17	Immature	N/A	Young stand of planted Red pine with deciduous species mixed in. Deciduous species are mixed in with the red pine, but there are some more condensed pockets that were planted around. Old Comment: Stand clearcut '05 and planted '09. Scattered pole size conifers left. Elevation increases from E to W. Cherry spp. less prevalent on hilltops and ridges.																																											
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32	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	34.4	22	Immature	N/A	Young red pine plantation, with some cherry and oak mixed in. Red pine has done well with competing natural regen, although there are some areas where natural regen took over. North end of stand has two small inclusions of aspen that were likely left as retention during last harvest.  Old Comment: Red pine plantation with heavy hardwood competition. Mostly cherry.																																											
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33	4130 - Aspen	Poletimber Well	11.3	55	141-170	N/A	Pole sized Aspen stand that has a decent amount still in the sapling class. BA averages are around 160. Understory is heavy to witch hazel.																																											
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34	42110 - Planted Red Pine	Sawtimber Well	5.3	95	141-170	N/A	Log sized red pine plantation that has been thinned in the past. BA averages around 160. Understory is decently developed with medium stocking of white and hybrid oak that is mostly free to grow. There is also low stocking of white pine that is 5 feet or shorter.  Old Comment: 1931 Red pine plantation that was thinned in the past. Heavy mixed oak understory.																																											
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35	4125 - Black, N. Pin Oak	Sapling Well	9.8	45	51-80	N/A	Mostly pole-sized and sapling-sized Oak stand with a mix of red maple and jack pine. BA is pretty low because stand still has a lot of Immature trees.																																											
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<b>36</b>	4130 - Aspen	Poletimber Well	26.4	35	81-110	N/A	Middle aged aspen stand with a mix of red maple and oak. Stand is mostly pole sized with a lot of stump origin outside of the aspen.																																																												
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<b>37</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	4.5	47	51-80	N/A	Variable stand of mixed conifer and deciduous species, consisting mainly of oak, red maple, and jack pine. Lots of stump sprouting in the red maple.																																																												
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<b>38</b>	4310 - Pine, Oak Mix	Sapling Medium	11.9	28	1-50	N/A	Young Pin Oak and jack pine stand with a smaller component of red pine. Structure is variable with some more open areas. Stand also has some scattered supercanopy red pine.																																																												
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<b>39</b>	4310 - Pine, Oak Mix	Sawtimber Medium	13.5	70	141-170	N/A	Mixed upland stand consisting mainly of oak, pine, maple, and aspen. Stand is pole to log sized with a BA around 150. There are also some xlog pine and oak that are older. Old Comment: Stand appears to be of natural succession. Scattered aspen mostly in north part. Monarch red pine, with patches of natural regen. Patches of mid canopy white pine.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>40</b>	4126 - White, Black, N. Pin Oak	Sawtimber Well	27.3	111	81-110	N/A	Mature oak stand that was thinned in 1997. Around 100 BA of overstory oak, maple, and pine were left. Understory is pretty well developed, with red maple, Aspen, hybrid oak, white and red pine. Understory is open in some areas. Regen tends to be focused in pockets, especially aspen.																																																							
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<b>41</b>	4125 - Black, N. Pin Oak	Sapling Well	6.1	35	1-50	N/A	Young Oak stand with a mix of pine, maple, and aspen. Stand is pretty open, with regen focused in clumps.																																
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<b>44</b>	4123 - Red Oak	Sawtimber Well	9.4	115	51-80	N/A	Mature mixed oak stand that is of decent quality. Stand was thinned in 2007 and BA is around 70 now. Trees are mostly logs with some poles mixed in. Understory has high stocking of red maple and aspen, with lower stocking of other species mixed in. Stand has a steep hill in the center that limits operability.																																
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<b>45</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	10.6	12	Immature	N/A	Young stand of Red pine, planted in 2016, that has strong competition from natural regen of white oak, pin oak, Aspen, cherry, and jack pine. Natural regen is mostly 10 feet plus, while planted red pine is mostly 5 feet or smaller. Judging by neighboring stand 32, the red pine might stand a chance of keeping up with natural regen.																											
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<b>46</b>	42110 - Planted Red Pine	Sawtimber Well	162.1	105	111-140	N/A	Large mature planted Red pine stand that was thinned in 2015. Stand is mostly in the lower end of the log size class. BA is around 120. Understory is well developed, with medium to high stocking of hybrid oak, pin oak and red maple. Red maple regen tends to be focused in heavier pockets scattered around the stand, while the oak tends to be evenly dispersed throughout. About half of regen is already free to grow.																															
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48	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	5.5	44	51-80	N/A	Planted Jack pine stand that has a mix of oak and aspen from natural regen. Most of stand is still in the sapling class, with some of the stand starting to come into the pole sized class. Aspen tends to be focused in clumps.																																																		
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49	122 - Road/Parking Lot	Nonstocked	8.0			No																																																			
50	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	11.8	6	Immature	N/A	Young stand of planted Jack Pine with a mix of oak and cherry. Planted saplings are doing well.  Old Comment: Stand was involved in a wildfire in 2015 that killed all the jack pine seedlings. Site was replanted to jack pine in 2017 under FTP C71-963.																																																		
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51	42120 - Planted Jack Pine	Sapling Well	34.3	45	1-50	N/A	Young stand of Jack pine that is mainly sapling sized, with a few trees coming into the pole class. Stand has a small amount of hybrid oak mixed in.																																																		
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54	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	24.6	92	81-110	N/A	Mature mixed conifer stand that consists of white pine, red pine, and jack pine. There is also a smaller component of white oak, hybrid oak, and aspen. There is some mortality starting in the larger Jack pine. Understory has a good amounts of white pine and hybrid oak and smaller amounts of red pine.																																																		
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55	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	40.9	88	111-140	N/A	Mature planted Red pine stand that has a mix of Aspen, white oak, white pine, and jack pine. Stand is mostly log sized and was thinned in 2015. Stand has a good understory of hybrid oak, Aspen, red maple, and white pine. Old Comment: Nice stand could be managed for uneven-aged pine dominant. The dominant jack pine is healthy except for the suppressed which is dying. Stand treated spring 2015.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>56</b>	4319 - Mixed Upland Forest	Sapling Poor	40.4	16	Immature	N/A	Young planted red pine stand that is facing somewhat heavy competition from natural regen. In some areas the planted red is doing well, but in others the seedlings have been overgrown by natural regen of red maple, aspen, and pin oak. Old Comment: Clearcut in 2007, trenched 2010 and planted to red pine in 2011.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		18	Sapling	1			
Bigtooth Aspen		25	Sapling	1			
Red Pine		42	Sapling	1	16		
Northern Pin Oak		15	Sapling	1			
<b>57</b>	4133 - Aspen, Mixed Pine	Sapling Well	30.7	45	1-50	N/A	Young aspen stand with a large mix of other species including, white pine, red pine, jack pine, pin oak, and Red maple. Stand is mostly sapling sized with some trees coming into the pole class.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Jack Pine		2	Sapling	4			
Red Maple		14	Sapling	4			
Bigtooth Aspen		50	Sapling/Pole	4	45		
Northern Pin Oak		11	Sapling	4			
White Pine		15	Pole/Log	8			
Red Pine		8	Pole/Log	9			
<b>58</b>	42120 - Planted Jack Pine	Poletimber Well	10.1	38	51-80	N/A	Jack pine plantation that is just starting to come into the pole class. BA is only around 70 since around half of stand is still in the sapling class. Stand also has a small component of pin oak.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Jack Pine		94	Pole/Sapling	5	38		
Northern Pin Oak		6	Sapling	1			
<b>59</b>	42110 - Planted Red Pine	Sawtimber Well	39.1	101	81-110	N/A	Mature planted Red pine stand that was thinned in 2015. Stand also has a small mix of delicious species. Understory is somewhat developed with a mix of red pine, white pine, hybrid oak, and red maple. Pine regen is mostly 3 feet or shorter, while deciduous regen is nearing free to grow.  Old Comment: Decent red pine stand with a mix of red maple and oak. Stand should be thinned. Stand treated winter 2014/2015.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		3	Pole/Sapling	7			
White Oak		3	Log	13			
Red Pine		85	Log/Pole	12	101		
Jack Pine		1	Pole/Log	9			
Black/Red (Hybrid) Oak		8	Log/Pole	10			
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Red Pine		Medium	< 5 feet	Sapling			
Red Maple		Medium	5 - 10 feet	Sapling			
White Pine		Low	Variable	Sapling			
Black/Red (Hybrid) Oak		Medium	Variable	Sapling			
<b>60</b>	42120 - Planted Jack Pine	Poletimber Well	8.6	40	51-80	N/A	Stand of planted Jack pine that is just coming into the pole size class, with about half still being sapling sized. There is a small amount of white pine and hybrid oak in the understory.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Jack Pine		100	Pole/Sapling	5	40		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Black/Red (Hybrid) Oak		Trace	5 - 10 feet	Sapling			
White Pine		Low	Variable	Sapling			
<b>61</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	20.4	40	141-170	N/A	Mixed deciduous stand consisting of aspen, red maple and hybrid oak with smaller parts of cherry and jack pine. Stand is pole to sapling sized. Understory consists of medium to low stocking of white pine and hybrid oak.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Black Cherry		10	Pole/Sapling	5			
Red Maple		25	Sapling/Pole	3			
Jack Pine		5	Pole/Sapling	5			
Black/Red (Hybrid) Oak		25	Sapling/Pole	4			
Bigtooth Aspen		35	Sapling/Pole	4	40		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
White Pine		Medium	Variable	Sapling			
Black/Red (Hybrid) Oak		Low	< 5 feet	Sapling			



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<b>62</b>	42200 - Natural White Pine	Sawtimber Well	11.2	105	81-110	N/A	Multipart Mature white pine stand that was thinned in 2016. White pine are very well formed single stems that are log sized. Understory has high amounts of red maple and a bit lower amount of white pine. White pine regen size is variable, with many seedlings included. Western portion of stand does appear to have been thinned when the Eastern portion was.  Old Comment: Nice multi part, stand manage for large late seral white pine with red maple and white pine understory. CWD present. Red maple saplings in understory. Treated with a thinning in the fall of 2016.																																																											
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<b>63</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	40.1	19	Immature	N/A	Red pine planted in 2007 that has received heavy component from natural regen. There are multiple areas where natural regen completely took over or was planted around.																																																											
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<b>64</b>	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	10.8	117	201+	N/A	Mature white pine stand that is mostly log to xlog in size. There is also a mix of white oak, hybrid oak, red maple, and aspen that are smaller. Understory has variable density of red maple, white pine, and white oak. Old Comment: Nice remnant white pine stand. Trace large red pine. CWD some large stand ing dead trees.																																																											
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<b>65</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	23.1	17	Immature	N/A	Young aspen stand that was final harvested in 2006. Stand also has a mix of red maple and cherry.																																																											
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<b>66</b>	4125 - Black, N. Pin Oak	Sawtimber Medium	6.2	105	111-140	N/A	Mature oak stand that is a mix of hybrid oak, red maple, white pine, red oak, white oak, and aspen. Stand was thinned in 2016 and stand is mostly pole to log sized. Understory is fairly well developed with decent amounts of white pine, red maple, cherry, white oak, and hybrid oak.  Old Comment: Thinned from below in fall 2016. Removed most of aspen but a few.																																																											
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67	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	78.7	17	Immature	N/A	Mixed upland stand that was planted to red pine but has faced heavy competition from natural deciduous regen. Red pine is dominant in some areas, but deciduous regen is more dominant across the stand. Old Comment: Stand planted to red pine in 2006, currently less than 2' tall so red pine cover type does not show up in inventory.																																																						
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68	4133 - Aspen, Mixed Pine	Poletimber Well	10.1	39	141-170	N/A	Mostly pole sized aspen stand with a mix of red maple and white pine. Stand was clearcut in 1984, but a few larger white pine were left scattered throughout. BA averages are around 150, with around a third of the aspen being just outside of the pole class. Understory consists of medium stocking of red maple.																																																						
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69	4199 - Other Mixed Upland Deciduous	Sapling Well	23.5	17	Immature	N/A	Young mixed deciduous stand of red maple and aspen with a small amount of cherry. Stand was cut in 2006 and a small amount of log sized white pine and white oak was left scattered throughout. Old Comment: Stand was clearcut in 2006. White pine was left, looks like a seed tree. Dense red maple and aspen regen.																																																						
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70	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	14.4	106	171-200	N/A	Natural White pine stand with a large mix of other species. White pine is log sized with some poles. Other species include red maple, red pine, Aspen, and hybrid oak. Stand composition is variable with white pine throughout and other species mixed in at different amounts and sizes.																																																						
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71	42100 - Planted White Pine	Sawtimber Well	22.6	102	141-170	N/A	Mature white pine stand with a small mix of other species. Stand was planted in 1921, but rows are not obvious in most parts of the stand. Understory is well developed, high stocking of white pine, with lower amounts of red maple, Aspen, hybrid oak, and white oak.  Old Comment: Planted in 1921. Looks like all species except white were removed. Aspen clones in scattered pockets, some is reaching into the canopy. Skid trails throughout stand.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
<b>72</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	8.0	39	81-110	N/A	Pole sized Aspen stand with a mix of other species, including red maple, white pine, hybrid oak, white oak, and red pine. Stand was cut in 1984 and a handful of mature white pine were left. BA averages around 150. Understory is mostly open with low stocking of white pine and red maple.																																																			
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<b>74</b>	42200 - Natural White Pine	Sawtimber Well	17.3	107	81-110	N/A	Mature white pine stand with a small mix of hybrid and white oak. White pine is mostly log sized and Oaks are pole to log sized. Understory has decent development of white pine of varying sizes. Regen tends to be focused in heavier pockets.																																																			
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<b>75</b>	4126 - White, Black, N. Pin Oak	Sawtimber Well	59.4	120	111-140	N/A	Mixed upland deciduous stand that is pole to log sized. Stand consists mostly of white oak, hybrid oak, white pine, and red maple. Stand has high stocking of white pine of varying sizes in the understory. Small chunk to the West was a separate stand, but was too small and had to be merged in. This chunk is very similar in age and structure, but is a bit heavier to hybrid oak compared to the rest of the stand. Old Comment: Nice mature stand on a good site. BTA starting to senesce. White pine mostly in north part of stand. BTA and white pine are not evenly distributed. Nice red oak scattered throughout stand. Scattered fire scarred white pine stumps. Stand is healthy. The dominant oaks show good growth in the last few years. ATV trail present.																																																			
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<b>76</b>	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	16.4	105	111-140	N/A	Mature stand of planted white pine (1919) with a smaller mix of other species. White pine is mostly log sized with some poles. Understory is doing decently well, with good amounts of white pine and red maple of varying sizes.  Old Comment: White pine planted in 1919. Pocket of oak located in NW part of stand.																																																			
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<b>77</b>	3102 - Grass	Nonstocked	1.2			No	Grassy open that receives heavy use from vehicles and orvs. There is also an illegal dump site of furniture and other garbage																																																			



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<b>78</b>	42100 - Planted White Pine	Sawtimber Well	71.7	108	81-110	N/A	Mature white pine stand planted in 1915/1916, that is mostly log sized with some poles. Stand was thinned in the past, removing everything but the white pine. Understory has good development, with a mix of species including white pine, red maple, aspen, and oak spp.																																												
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<b>79</b>	4123 - Red Oak	Sawtimber Well	14.5	115	81-110	N/A	Mature Red oak stand with a mix of red maple, hybrid oak, white oak, and white pine. Stand is most log sized and was thinned in the past, so trees are of good quality. Understory is well developed and consists mainly of Red maple and white pine.																																												
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<b>80</b>	4125 - Black, N. Pin Oak	Sawtimber Poor	5.6	106	51-80	N/A	Mature Hybrid oak stand that is mostly log sized. Stand was thinned or shelterwood cut in the past, leaving about 60 BA. Understory is well developed with high stocking of red maple and aspen with a smaller portion of hybrid oak and white pine.																																												
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<b>81</b>	42250 - Pine, Oak	Sawtimber Medium	8.5	95	51-80	N/A	Pole to log sized white pine stand. Thinned in 2006 when much of oak was removed. Understory is very heavy to white pine. Old Comment: Stand was harvested in 2006, most of the oak was removed and white pine was left.																																												
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<b>82</b>	4125 - Black, N. Pin Oak	Sapling Well	4.5	35	1-50	N/A	Immature hybrid oak stand with a small mix of Jack pine, white pine, and white oak. Stand is mostly sapling sized, with some poles here and there. Stand also has a moderate amount of white pine in the understory at variable sizes.																																												
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<b>83</b>	4199 - Other Mixed Upland Deciduous	Sapling Poor	15.0	16	Immature	N/A	Immature stand of hybrid oak and red maple, with a smaller mix of other species. Stand was clearcut in 2007 and some white pine and white oak were left scattered throughout the stand. Old Comment: Stand was clearcut in 2007. White pine and white oak were left but make up less than 25% of the canopy. Trace scots pine was left and is regenerating. Regeneration is adequate oak seedlings are in the 3-5' range.																																																																	
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<b>84</b>	42120 - Planted Jack Pine	Sapling Well	9.0	37	51-80	N/A	Stand of planted Jack pine that is just coming into the pole size class, with many saplings still mixed in. There is also a small amount of white pine in the understory.																																																																	
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<b>85</b>	4130 - Aspen	Poletimber Well	3.2	45	141-170	N/A	Middle aged Aspen stand with a small mix of other species. Stand is mostly pole-sized with some saplings still. Understory is pretty open, with low amounts of white pine.																																																																	
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<b>86</b>	42250 - Pine, Oak	Poletimber Medium	7.2	40	81-110	N/A	Mixed stand of pine and that mainly consists of Jack pine and hybrid oak, with smaller amounts of white oak. Stand is mostly pole sized, with a fairly open canopy. Understory has moderate development, with medium amounts of hybrid oak and low amounts of other species.																																																																	
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<b>87</b>	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	41.4	107	81-110	N/A	Mature stand mixed pine stand with a smaller amount of deciduous species. Stand mainly consists of white pine, red pine, hybrid oak, and red maple. Stand was thinned in 2015 and most log sized trees were left. Understory is well developed, but most regen is still pretty short. Old Comment: Stand was treated in 2015. A thinning from below was done and most of the aspen and deformed trees were removed. Some super-canopy pines were left.																																																																	
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<b>88</b>	42110 - Planted Red Pine	Sawtimber Well	68.5	105	81-110	N/A	Nice quality red pine stand that is mostly log sized, with some poles. Stand has a heavy understory of red maple, aspen, hybrid oak, and white pine. Old Comment: Nice stand, utility poles and saw logs, some areas have been pruned. Stand has been harvested within the past 10-20 years. Some areas were not thinned recently so basal area is high. Trees are smaller to the east and there is more bracken fern. Black oak and White pine understory to east and mostly red maple understory to west. Not a good stand to regenerate because of heavy maple understory. White pine, bigtooth aspen and jack pine also present in canopy. Treated in the Spring 2015.																																																						
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<b>89</b>	4310 - Pine, Oak Mix	Sawtimber Poor	39.0	105	1-50	N/A	White pine stand with a mix of oak species. Stand was treated in 2015 with a seed tree harvest. Understory has heavy stocking of white pine and moderate stocking of red pine, red maple, and aspen.																																																						
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<b>90</b>	42110 - Planted Red Pine	Sapling Poor	60.0	5	Immature	N/A	Immature stand of red pine that was planted and release sprayed in 2019. Release spray did well, with there being little to no competition from natural regen. There has been some more open pockets where the red pine didn't do as well. Overall the stand is doing pretty well, but is not past free to grow yet.  Old Comment: Stand final harvest and is trenched awaiting to be planted to red pine. Replanted to red pine in 2017. Site was replanted in 2019 and release sprayed the same year. Check in 2020 for effectiveness of the release and get a better idea of pine survival.																																																						
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<b>91</b>	4123 - Red Oak	Sawtimber Well	24.0	105	111-140	N/A	Good quality red oak stand that is log sized. Stand was thinned in the past and red maple was removed. Understory is heavy to red maple as a result.																																																						
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<b>92</b>	42200 - Natural White Pine	Sawtimber Well	52.4	95	111-140	N/A	White pine stand that is log sized. Red maple was removed in a previous harvest, now there is a dense red maple understory with many stump sprouts. Large super canopy white pine present.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>93</b>	4123 - Red Oak	Sawtimber Well	75.5	104	111-140	N/A	
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Log sized Red oak stand with a small mix of other species. Understory is heavy to red maple and white pine, with some areas being mostly maple and others mostly pine. Stand was thinned in the past and appears to have removed red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	7	Pole	6		Red Maple	High	Variable	Sapling
Bigtooth Aspen	3	Pole	6		White Pine	Low	Variable	Sapling
White Oak	10	Log/XLog	17		Beech	Low	Variable	Sapling
Red Oak	60	Log/XLog	17	104				
Red Maple	10	Pole	5					
White Pine	10	Log/XLog	16					