



# Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52105

Entry Year 2022

Acreage: 3,658

County Emmet

Management Area: Emmet Moraines

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**Stand Examiner:** Donald Stacks

**Legal Description:**

T37N R06W Sec. 23-27, 34-36.

**Identified Planning Goals:**

To provide for the protection, integrated management, and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

**Soil and topography:**

Emmet and Blue Lakes loamy sands located on many rolling hills, some with very steep slopes.

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

The compartment contains a large amount of fairly contiguous state ownership. The private ownership adjacent to the compartment consists mostly of permanent residences, some located on larger parcels. Some of these parcels are currently forested, some being pine plantations, or are inactive pastures.

**Unique Natural Features:**

Past occurrences of red-shouldered hawks have been reported.

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

None listed.

**Special Management Designations or Considerations:**

Two MIMS plots were established in 1996 by DNR Forest Health Specialists in the SWSW of section 27.

**Watershed and Fisheries Considerations:**

No streams or lakes are located within the compartment boundary.

**Wildlife Habitat Considerations:**

American marten is known to occupy this area. When marten habitat specifications become available, include in forest management treatments. The area is relatively popular with those wishing to engage in wildlife-related recreation, such as hunting.

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

There are several active sand/gravel pits located in the area, and there is good sand & gravel potential within the compartment. There is no known oil & gas potential in this area, and there are no active oil & gas leases. There is no known metallic mineral potential in this part of the state.

**Vehicle Access:**

Vehicle access is good throughout the compartment by means of numerous permanent and seasonal county roads and forest two-track roads.

**Survey Needs:**

None needed on prescribed treatment areas.

**Recreational Facilities and Opportunities:**

A designated snowmobile trail, ORV route, and the North Country Pathway hiking trail run through the compartment.

**Fire Protection:**

The Indian River Field Office is located approximately 26 miles to the southeast and the Readmond Township VFD is located about 3 miles to the west.

**Additional Compartment Information:**

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

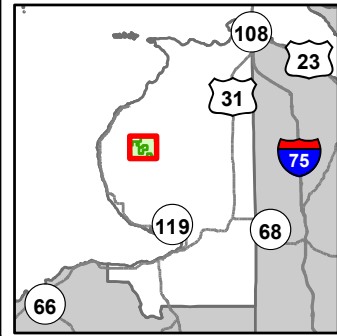
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

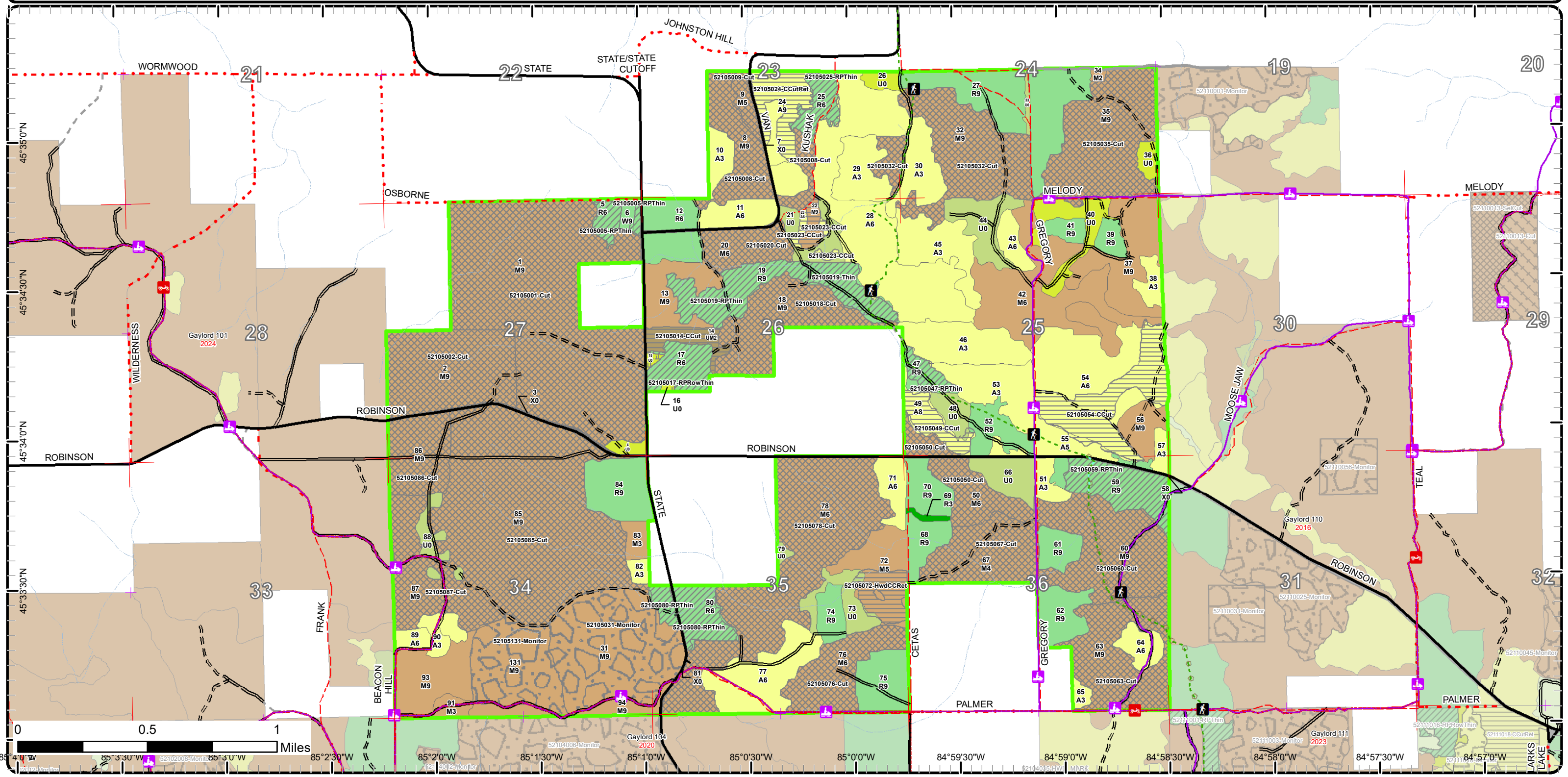
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 105  
 T37N, R06W, Sec. 23-27, 34-36  
 County: Emmet  
 Unit: Gaylord  
 Mgmt Area: Emmet Moraines  
 YOE: 2022  
 Acres: 3658.3 GIS Calculated  
 Examiner: Donald Stacks  
 Map Revised: 8/4/2022  
 Map Phase: Post-Review

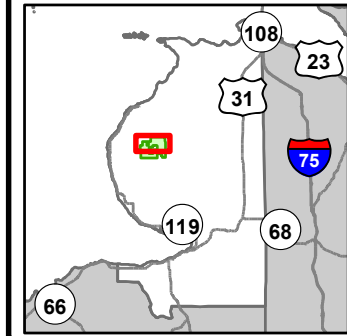


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Hiking Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Snowshoe Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees

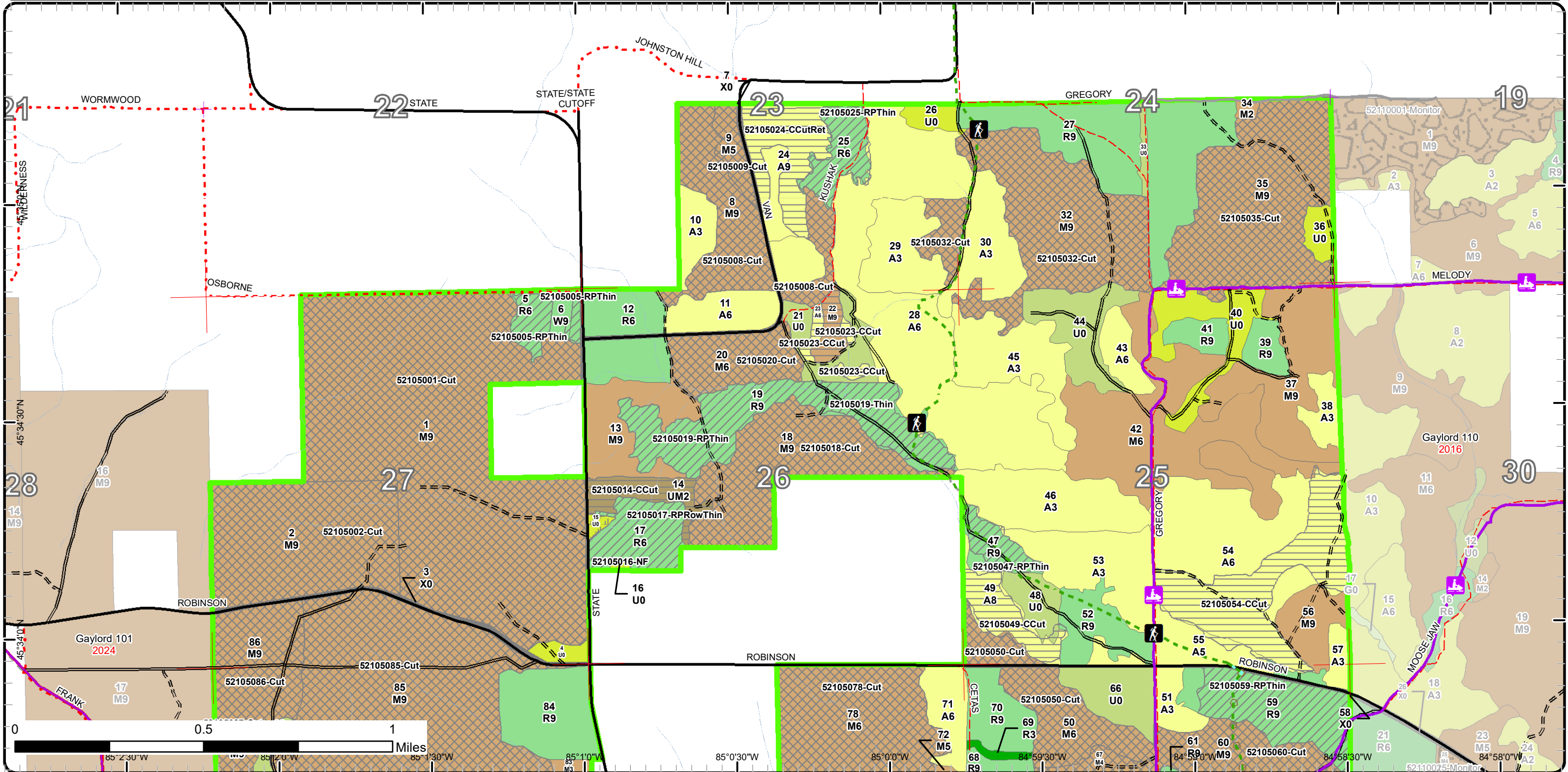


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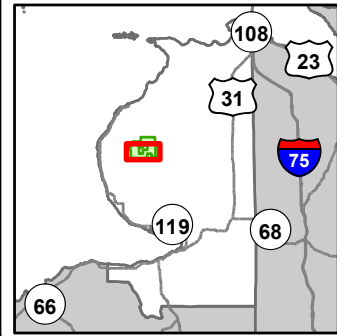


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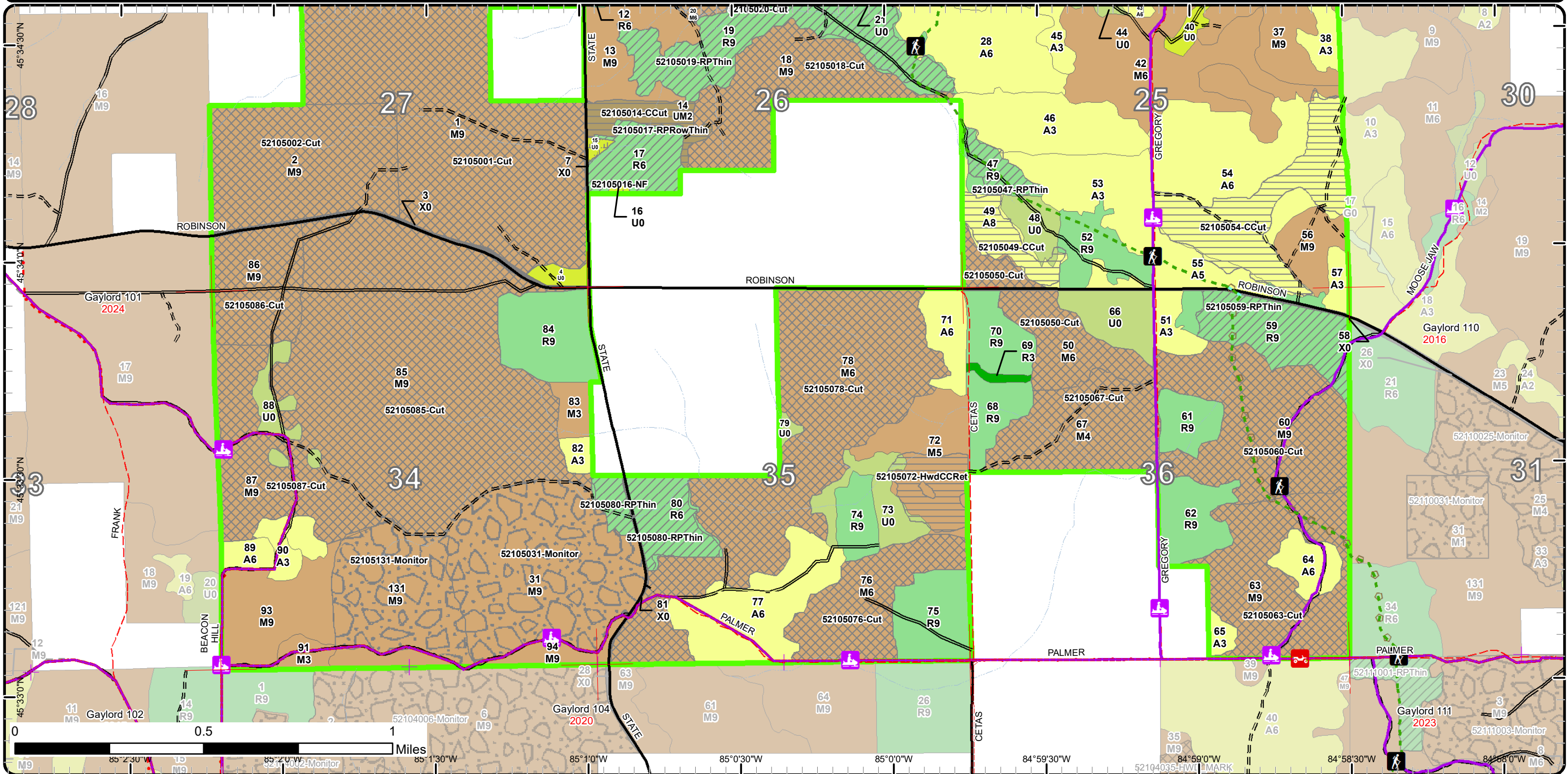


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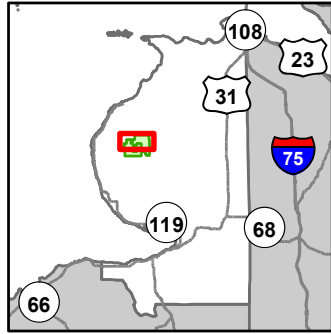


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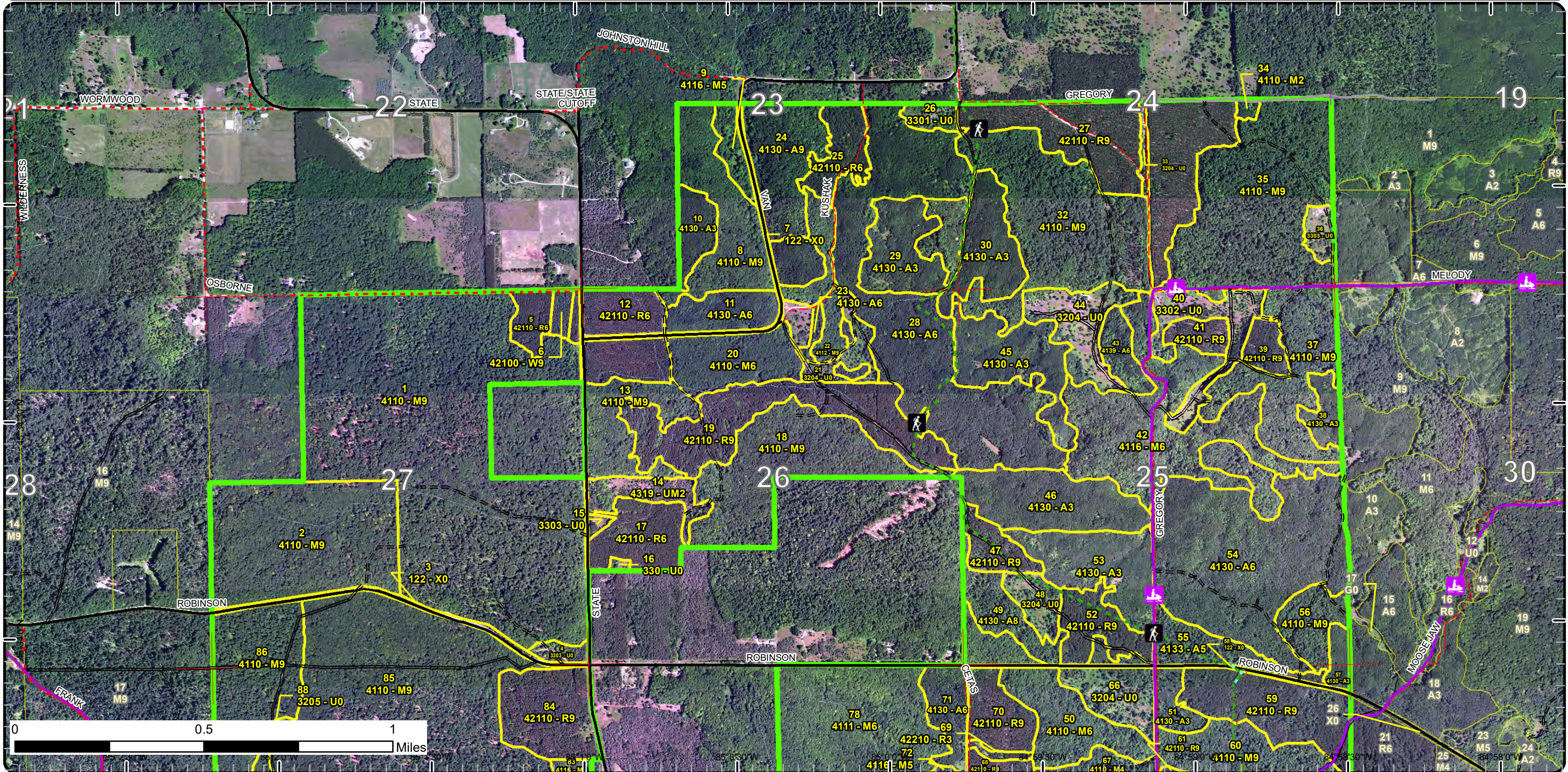


# Stand Boundary Map

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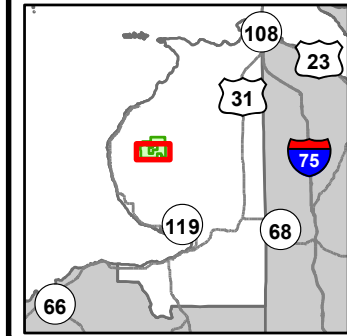


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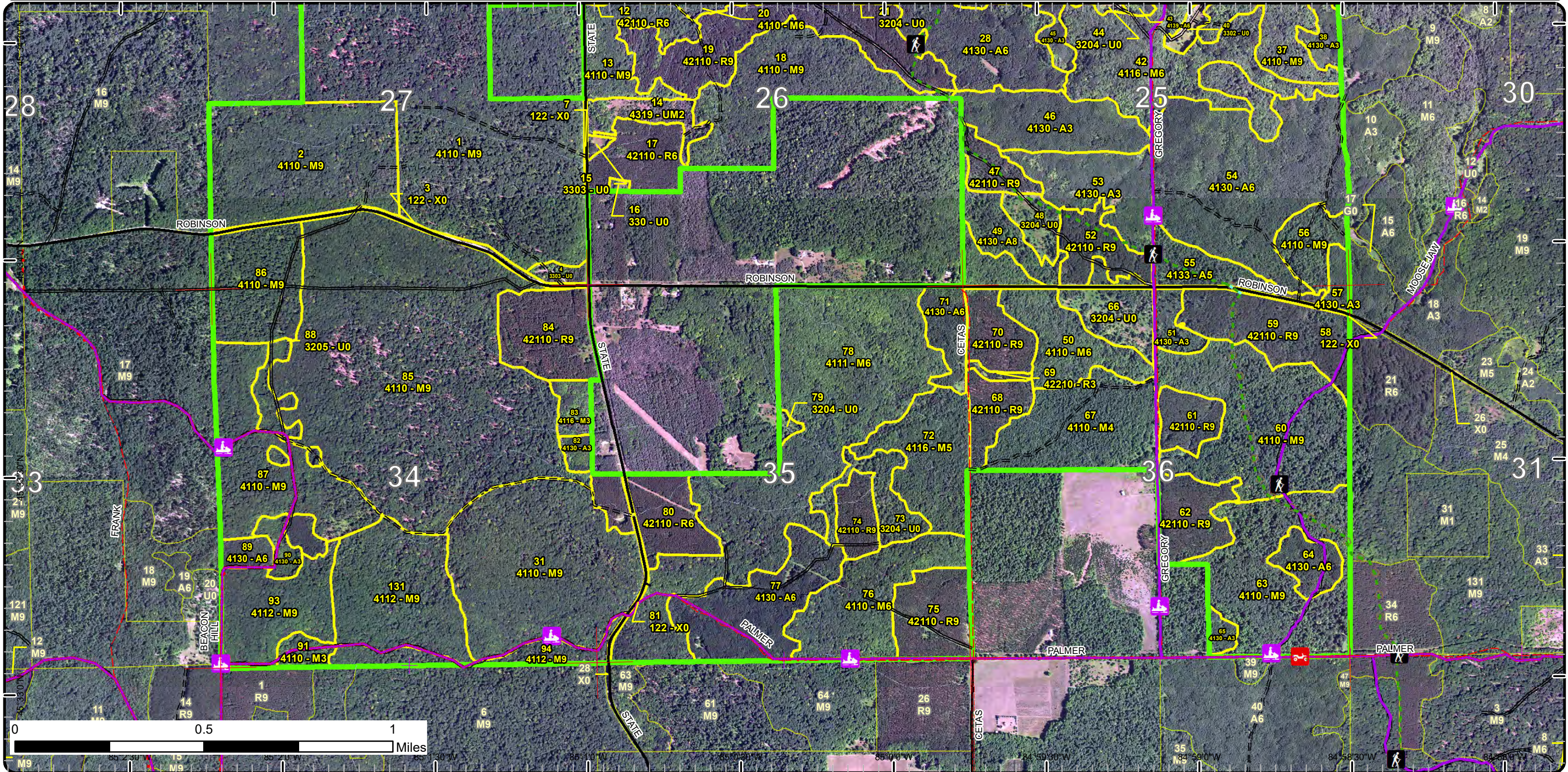


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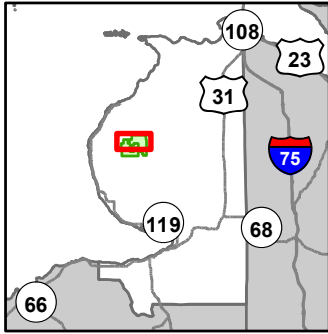


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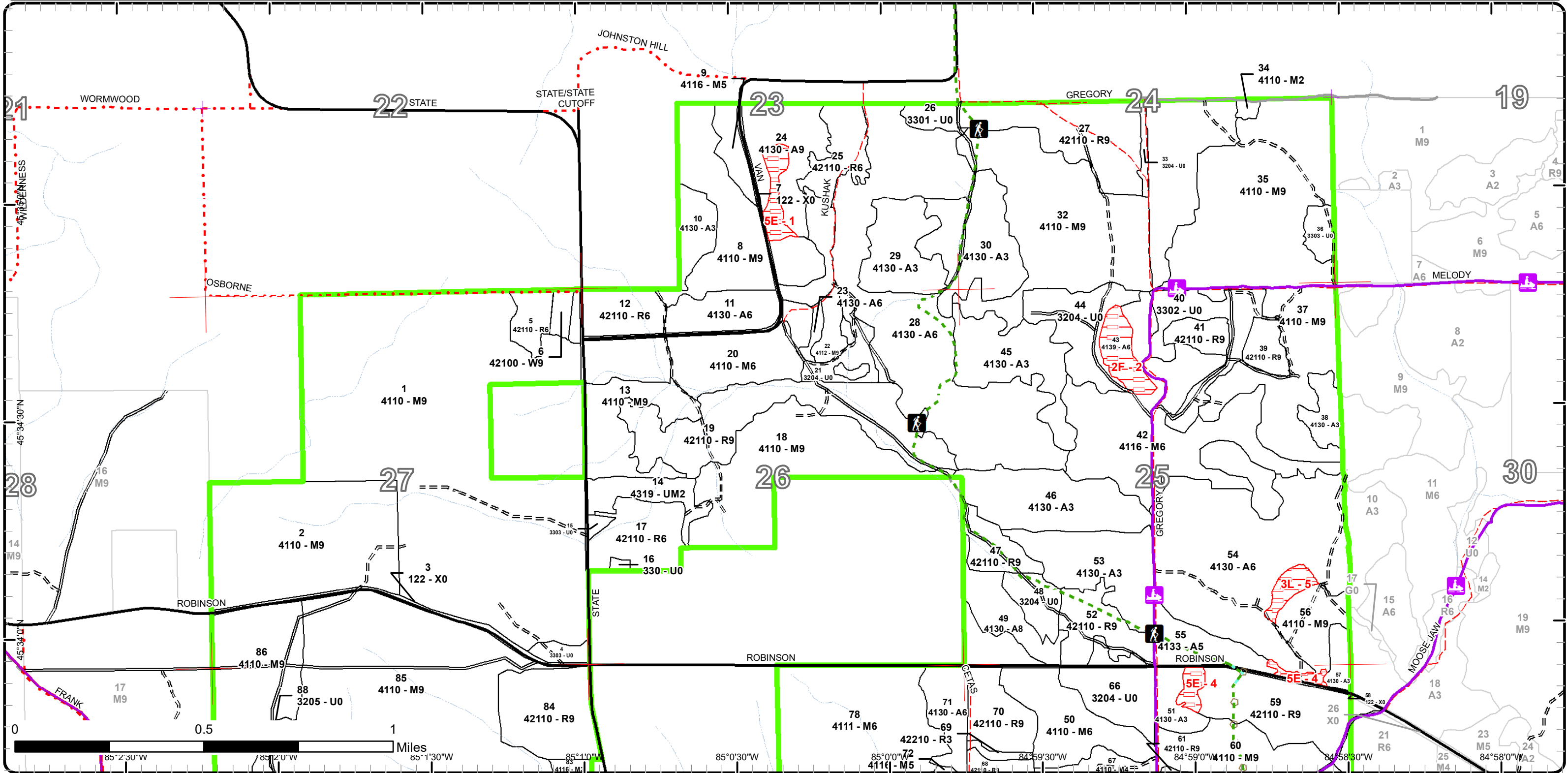


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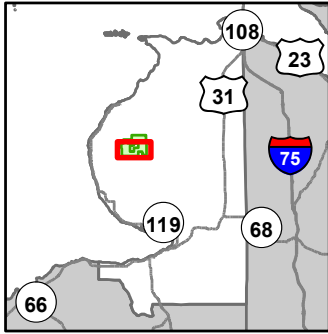
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- Compartment Boundary
- Unavailable
- 2F: Too steep
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries



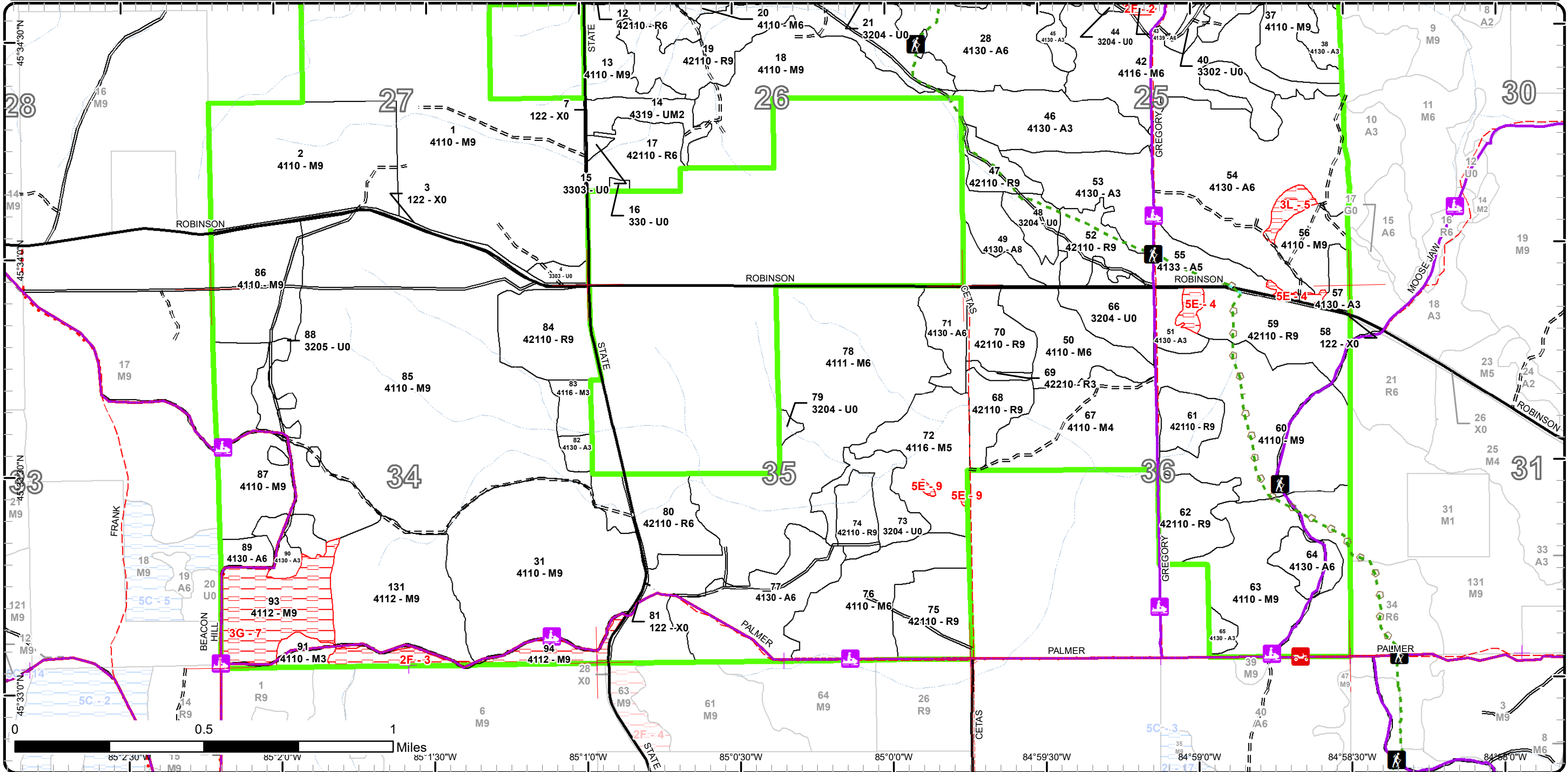


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- 2F: Too steep
- 3G: Other Influence zones - See comments
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries



85°2'30"W 85°2'0"W 85°1'30"W 85°1'0"W 85°0'30"W 85°0'0"W 84°59'30"W 84°59'0"W 84°58'30"W 84°58'0"W



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	143	41	239	209	5	0	67	0	0	0	0	0	0	0	0	0	703
Low-Density Trees	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Northern Hardwood	0	0	0	7	11	0	0	105	62	498	377	1117	0	0	0	0	0	46	2223
Red Pine	0	0	0	3	25	0	12	452	36	0	0	0	0	0	0	0	0	0	527
Upland Mixed Forest	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Upland Shrub	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Urban	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
White Pine	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>186</b>	<b>0</b>	<b>143</b>	<b>66</b>	<b>275</b>	<b>209</b>	<b>21</b>	<b>557</b>	<b>165</b>	<b>498</b>	<b>377</b>	<b>1117</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>3657</b>



## Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 105  
Total Compartment Acres: 3,658

Commercial Harvest - 2047  
Harvests with Site Condition - 0  
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	109	0	0	0	0	0	0	0	0	109
Northern Hardwood	29	1695	0	0	0	0	0	0	0	1723
Red Pine	0	0	0	0	199	0	0	0	0	199
Upland Mixed Forest	15	0	0	0	0	0	0	0	0	15
<b>Total</b>	<b>153</b>	<b>1695</b>	<b>0</b>	<b>0</b>	<b>199</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2047</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	2047	0	0	0	0	188	0	3	0	2237
Next Step	0	31	1710	0	0	1710	3543	3389	0	10383
<b>Total</b>	<b>2047</b>	<b>31</b>	<b>1710</b>	<b>0</b>	<b>0</b>	<b>1710</b>	<b>3730</b>	<b>3389</b>	<b>3</b>	<b>12621</b>



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

<b>1</b>	<b>52105001-Cut</b>	305.6	4110 - Sugar Maple Association	Sawtimber Well	102	81-110	Harvest	Group Selection	4123 - Red Oak	Two-Aged	No
<p><u>Prescription Specs:</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Next Step Treatments:</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable Regen:</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Other Comment:</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/7 /2021</p>											
<b>2</b>	<b>52105002-Cut</b>	96.9	4110 - Sugar Maple Association	Sawtimber Well	102	51-80	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription Specs:</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Next Step Treatments:</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable Regen:</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Other Comment:</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
<b>5</b>	<b>52105005-RPThin</b>	11.4	42110 - Planted Red Pine	Poletimber Well	55	171-200	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. No harvest operations will take place during the barkslip season.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Residual red pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>8</b>	<b>52105008-Cut</b>	56.6	4110 - Sugar Maple Association	Sawtimber Well	90	51-80	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription Specs:</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Next Step Treatments:</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable Regen:</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Other Comment:</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2021</p>											

<b>9</b>	<b>52105009-Cut</b>	9.3	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	90	1-50	Harvest	Group Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Next Step Treatments:</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable Regen:</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Other Comment:</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2021</p>											

<b>14</b>	<b>52105014-CCut</b>	15.4	4319 - Mixed Upland Forest	Sapling Medium	27	Immature	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees 2" and larger at DBH except any incidental apple trees, oak, or juneberry. All tops must be chipped to facilitate future site prep and re-planting operations. Use standard next step treatments for site prep, planting, and herbicide application, as well as any re-planting needs. Include scattered hard and soft mast species with the replanting of the red pine seedlings. After harvest, exclude SE finger from cultivation treatments and leave as an opening.</p> <p><u>Next Step Treatments:</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)</p> <p><u>Acceptable Regen:</u> A fully stocked stand of hand planted red pine seedlings.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2021</p>											

<b>15</b>	<b>52105015-NF</b>	1.7	3303 - Mixed Low Density Trees	Nonstocked		Unspecified	NonForestMgt	Other - Specify	320 - Upland Shrub		No
<p><u>Prescription Specs:</u> Brush, mow, plant, burn and/or herbicide to maintain opening. Planting of hard and soft mast. Protect hawthorn and other native mast producing shrubs.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2021</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>16 52105016-NF</b>	1.1	330 - Low-Density Trees	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	320 - Upland Shrub		No
<p><u>Prescription</u> Brush, mow, plant, burn and/or herbicide to maintain opening. Planting of hard and soft mast. Protect hawthorn and other native mast producing shrubs.</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 /2021</p>										
<b>17 52105017-RPRowThin</b>	25.4	42110 - Planted Red Pine	Poletimber Well	39	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut every third row of red pine beginning with the third row in from the south boundary line. Cut all scotch pine found within the sale area.</p> <p><u>Specs:</u> Cut and leave intact on the ground, any northern hardwood or aspen tree, except oak, that blocks the movement of equipment within the cuts of red pine. No harvest activity will be allowed during the barkslip season. No decking will be allowed in two small grass openings (Stands 15 and 16), along the west and south edges of the stand. Equipment will not be allowed to operate in these two locations either.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N/A</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 /2021</p>										
<b>18 52105018-Cut</b>	71.1	4110 - Sugar Maple Association	Sawtimber Well	93	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>19 52105019-RPThin</b>	40.3	42110 - Planted Red Pine	Sawtimber Well	64	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Add sale specs to protect hiking trail at time of harvest. No harvest operations will take place during the barkslip season. HRD harvest guidelines will be followed.</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> At Compartment Review, the west half of Stand19 was originally prescribed for final harvest with a post-harvest red pine MO to meet the goals for red pine restart acres in the MA. That treatment was terminated after HRD was discovered in multiple nearby red pine stands. The treatment was then changed to the existing present crown thinning. Variance process was completed.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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>19 52105019-Thin</b>	22.8	42110 - Planted Red Pine	Sawtimber Well	64	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Add sale specs to protect hiking trail at time of harvest. No harvest operations will take place during the barkslip season. HRD harvest guidelines will be followed.</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> West half of stand was prescribed for final harvest with a post-harvest red pine MO to meet the goals for red pine restart acres in the MA, but that treatment was terminated after HRD was discovered in the area. Variance process was completed.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>20 52105020-Cut</b>	30.7	4110 - Sugar Maple Association	Poletimber Well	77	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, <u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>22 52105022-HwdCCut</b>	7.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	102	81-110	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" or larger at DBH, except any incidental oak, hemlock, or white pine. No unharvested retention islands will be left on this sale because of the relatively small acreage being harvested. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Mark to leave clumps of paper birch at a rate of 1 per acre or less, with a band of green paint. Cut and leave intact on the ground any trees banded with pink paint. These trees will serve as ruffed grouse drumming logs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> A mix of northern hardwood/aspen. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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>23 52105023-CCut</b>	5.3	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" or larger at DBH, except any incidental oak, hemlock, or white pine. No unharvested retention islands will be left on this sale because of the relatively small acreage being harvested. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Mark to leave clumps of paper birch at a rate of 1 per acre or less, with a band of green paint. Cut and leave intact on the ground any trees banded with pink paint. These trees will serve as ruffed grouse drumming logs</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> A mix of aspen/hardwood.</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 /2021</p>										
<b>24 52105024-CCutRet</b>	27.5	4130 - Aspen	Sawtimber Well	72	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" or larger at DBH, except any incidental oak, hemlock, or white pine. No unharvested retention islands will be left on this sale because of the relatively small acreage being harvested. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Mark to leave clumps of paper birch at a rate of 1 per acre or less, with a band of green paint. Cut and leave intact on the ground any trees banded with pink paint. These trees will serve as ruffed grouse drumming logs.</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> A moderate to fully stocked stand of mixed aspen/northern hardwood.</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 /2021</p>										
<b>25 52105025-RPThin</b>	17.5	42110 - Planted Red Pine	Poletimber Well	64	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to a post-harvest BA of 120 sq. ft. Concentrate marking suppressed and poorly formed trees. No harvest operations will take place during the barkslip season.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> 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 /2021</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>31 52105031-Monitor</b>	120.7	4110 - Sugar Maple Association	Sawtimber Well	102	51-80	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Monitor regen following ash/beech salvage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood not dominated by beech.</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>										
<b>32 52105032-Cut</b>	103.7	4110 - Sugar Maple Association	Sawtimber Well	103	51-80	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280</p> <p><u>Comment:</u> acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>35 52105035-Cut</b>	107.7	4110 - Sugar Maple Association	Sawtimber Well	86	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280</p> <p><u>Comment:</u> acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/7 /2021</p>										
<b>47 52105047-RPThin</b>	10.5	42110 - Planted Red Pine	Sawtimber Well	64	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to a post-harvest BA of 120 sq. ft. Concentrate marking suppressed and poorly formed trees. No harvest operations will take place during the barkslip season. Protect hiking trail from equipment damage during harvest operations. Keep trail free from slash at all times. Place logging signs to alert trail users during harvest.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N/A</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 /2021</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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<b>49</b>	<b>52105049-CCut</b>	16.4	4130 - Aspen	Sawtimber Medium	70	1-50	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Cut all trees 2" or larger at DBH, except any incidental oak or hemlock. No unharvested retention islands will be left on this sale because of the relatively small acreage being harvested. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Monitor sale area for legacy trees, which should remain un-harvested. Mark to leave clumps of paper birch at a rate of 1 per acre or less, using green paint. Cut and leave intact on the ground any trees banded with pink paint. These trees will serve as ruffed grouse drumming logs.

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

Acceptable A moderate to fully stocked stand consisting of a mix of aspen/northern hardwood.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2021

<b>50</b>	<b>52105050-Cut</b>	43.8	4110 - Sugar Maple Association	Poletimber Well	92	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
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Prescription Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.

Next Step Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,  
Treatments: Pre-Commercial Thinning - Mechanical

Acceptable  
Regen: Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.

Other No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280  
Comment: acres. Incidental removal of trees between gaps will be required in many situations.

Site Condition

Proposed Start Date: 10/1 /2021

<b>54</b>	<b>52105054-CCut</b>	60.0	4130 - Aspen	Poletimber Well	47	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2" or larger at DBH, except any incidental oak or hemlock. No unharvested retention islands will be left on this sale because of the relatively narrow width of the harvest boundary and the mature timber adjacent to the sale area. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Cut and leave intact on the ground any trees banded with pink paint. These trees will serve as ruffed grouse drumming logs. Monitor adjacent Stand 56 for active raptor nests during sale prep and harvest activities.

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

Acceptable A moderate to fully-stocked stand of mixed aspen/northern hardwood.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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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>59 52105059-RPThin</b>	40.2	42110 - Planted Red Pine	Sawtimber Well	65	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Add sale specs to protect hiking trail at time of harvest. No harvest operations will take place during the barkslip season. One un-harvested red pine retention island will be left on the north side of Robinson Rd., with another retention island west of the NCP, centered around grouping of large white pine. Add sale specs to protect NCP hiking trail and the designated snowmobile trail during harvest operations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> NA. Red pine crown thinning.</p> <p><u>Regen:</u></p> <p><u>Other</u> At 2022 Compartment Review, Stand 59 was originally prescribed for final harvest with a post-harvest red pine MO, to meet the goals for red pine restart acres in the MA, but that treatment was terminated and changed to the current crown thinning after HRD was discovered in multiple area red pine stands. Variance process was completed.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>60 52105060-Cut</b>	96.6	4110 - Sugar Maple Association	Sawtimber Well	92	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/7 /2021</p>										
<b>63 52105063-Cut</b>	81.2	4110 - Sugar Maple Association	Sawtimber Well	92	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap. Keep pockets away from rec trail if possible. Protect trail in specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>67 52105067-Cut</b>	60.1	4110 - Sugar Maple Association	Poletimber Poor	62	1-50	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280 acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/7 /2021</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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<b>72</b>	<b>52105072-HwdCCRet</b>	21.6	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	68	51-80	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	No
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Prescription Harvest all trees 2" and greater at DBH, except any incidental hemlock or oak, and any black cherry painted with a band of green. Leave one .5 acre uncut retention island near the center of the stand, and another .5 acre island near Cetas Rd. around the group of large white pine trees. Monitor for legacy trees, which should remain un-harvested. Mark 6-8 trees with pink paint to be felled and left intact on site to serve as grouse drumming logs. Also, protect hawthorn and other native mast producing shrubs during harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully-stocked mixed northern hardwood/aspen.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

<b>76</b>	<b>52105076-Cut</b>	52.1	4110 - Sugar Maple Association	Poletimber Well	89	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
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Prescription Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.

Next Step Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,

Treatments: Pre-Commercial Thinning - Mechanical

Acceptable

Regen: Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.

Other No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280

Comment: acres. Incidental removal of trees between gaps will be required in many situations.

Site Condition

Proposed Start Date: 10/1 /2021

<b>78</b>	<b>52105078-Cut</b>	182.2	4111 - S.Maple, Hard Mast Association	Poletimber Well	82	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
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Prescription Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.

Next Step Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,

Treatments: Pre-Commercial Thinning - Mechanical

Acceptable

Regen: Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.

Other No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280

Comment: acres. Incidental removal of trees between gaps will be required in many situations.

Site Condition

Proposed Start Date: 10/1 /2021



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
80	52105080-RPThin	31.0	42110 - Planted Red Pine	Poletimber Well	65	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to a post-harvest BA of 120 sq. ft. Concentrate marking suppressed and poorly formed trees. No harvest operations will take place during the barkslip season.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N/A.</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 /2021</p>											
85	52105085-Cut	284.0	4110 - Sugar Maple Association	Sawtimber Well	102	1-50	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280</p> <p><u>Comment:</u> acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/7 /2021</p>											
86	52105086-Cut	45.7	4110 - Sugar Maple Association	Sawtimber Well	102	51-80	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280</p> <p>acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/7 /2021</p>											
87	52105087-Cut	67.4	4110 - Sugar Maple Association	Sawtimber Well	102	51-80	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Regeneration gaps between .5 – 10 acres will be created throughout the stands. Gaps will be identified on the ground and all trees 6' or taller will be removed from the gap.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,</p> <p><u>Treatments:</u> Pre-Commercial Thinning - Mechanical</p> <p><u>Acceptable</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u> No more than 30% of one stand will be gap harvested. Total amount of gap acres to be targeted of the 1,698 total acres will be around 280</p> <p>acres. Incidental removal of trees between gaps will be required in many situations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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
131 52105131-Monitor	66.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	102	51-80	Monitoring	Natural Regen (Intermediate)	4119 - Mixed Northern Hardwoods	Even-Aged	No
<p><u>Prescription</u> Monitor northern hardwood regen, especially white ash and beech components.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Minimum stocking of northern hardwoods, especially sugar maple, without excessive growth of beech and white ash.</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> 10/1 /2023</p>										

**Total Treatment** 2237.4  
**Acreage Proposed:**

Report 4 – Site Conditions

Gaylord Mgt. Unit  
Donald Stacks : Examiner

Compartment: 105  
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions			
		With Condition				2F	3G	3L	5E
703	679	0		24	Aspen	11		6	7
46	46	0		0	Low-Density Trees				
2222	2158	0		64	Northern Hardwood	19	44		1
528	522	0		6	Red Pine				6
15	15	0		0	Upland Mixed Forest				
113	113	0		0	Upland Shrub				
25	25	0		0	Urban				
4	4	0		0	White Pine				
3,658	3,563			95	Total Forested Acres	31	44	6	15
	97%			3%	Relative Percent				

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

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	7	2F: Too steep	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
3	Unavailable	2F: Too steep	19	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
4	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

**Report 4 – Site Conditions**

**Gaylord Mgt. Unit**  
**Donald Stacks : Examiner**

**Compartment: 105**  
**Year of Entry: 2022**

5	Unavailable	3L: Other wildlife concerns	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	Unavailable	3G: Other Influence zones - See comments	44	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Sale contract was not completed by the producer and was terminated.							
9	Unavailable	5E: Long-Term Retention	1	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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Mgt. Unit

Compartment:

Year of Entry



### 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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
1	4110 - Sugar Maple Association	Sawtimber Well	305.6	102	81-110	N/A	Stand consists of mostly sugar maple and basswood sawtimber/poletimber, with lesser amounts of scattered red maple, black cherry, and yellow birch on many rolling hills with multiple steep slopes present. Stand was selectively harvested 1992-1995 and received ash/beech salvage harvest 2015-2017 (Emmet Salvage #15, 52-127-13, and Emmet Salvage #17, 52-129-13). 2017 post salvage harvest BA is 85. N1/2NE of 27 acquired in 2011. N1/2SE of 27 acquired in 2001.																																								
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2	4110 - Sugar Maple Association	Sawtimber Well	96.9	102	51-80	N/A	Stand consists of mostly sugar maple and basswood sawtimber/poletimber, with scattered red maple, black cherry, and yellow birch on hilly topography, with a few steep slopes. Stand was selectively harvested 1994-1995 and received ash/beech salvage harvest 2017, (Emmet Salvage #16, 52-128-13). Current BA is lower (55 sq. ft.). Adjacent to Robinson Rd.																																								
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3	122 - Road/Parking Lot	Nonstocked	8.2		Unspecified	No	Robinson Rd.																																								
4	3303 - Mixed Low Density Trees	Nonstocked	4.7		Unspecified	No	Open area that has filled in with encroaching hardwood saplings and scattered red pine and scotch pine saplings.																																								
5	42110 - Planted Red Pine	Poletimber Well	12.0	55	171-200	N/A	Stand was part of a land aquisition in 2011, so no plantation record. Stand is transitioning from pole timber to sawlogs. Current BA stands at about 188 sq. ft., so a marked thinning will be prescribed to restore the BA back to 120 sq. ft. Very dense mixed hardwood understory is present. Stand has about a dozen rows of white pine planted within the stand boundary (Stand 6), which will not be thinned at this time but will be part of the final harvest of Stand 5 when that occurs in about 20 years. Stand is adjacent to State and Osborne Rds.																																								
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6	42100 - Planted White Pine	Sawtimber Well	4.3	55	141-170	N/A	Stand was part of a private land aquisition in 2011. The stand consists of planted white pine sawtimber/poletimber, many with multiple stems and poor form. Current BA is about 147 sq. ft. A dense understory of mixed hardwood exists in the understory. When the adjacent red pine stand (Stand 5) is final harvested in about 20 years, final harvest this stand at that time. Re-start red pine in both stands at that time.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
8	4110 - Sugar Maple Association	Sawtimber Well	56.6	90	51-80	N/A	Mixed northern hardwood stand, mostly sugar maple sawtimber/poletimber, with lesser amounts of BTA, white ash, beech, and basswood. The portion of the stand that is located on the west side of W. Van Rd. was advertised twice for ash/beech salvage, but was never sold, probably due to low ash/beech volumes and topography issues. Some of the ash and beech is still alive. BTA is presently falling out of the stand. Current BA is about 79 sq. ft. Fairly high quality sugar maple crop trees are present.																																						
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9	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	9.3	90	1-50	N/A	Mixed lesser stocked northern hardwood/aspen saps and small poletimber encroaching into a flat upland shrub stand along the west edge of W. Van Rd. A few scattered sugar maple and basswood sawlog trees are present also. BA is estimated to be about 40 sq. ft.																																						
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10	4130 - Aspen	Sapling Well	12.6	29	Immature	N/A	High quality BTA regen, in transition from saps to poletimber, on ridge from 1993 final harvest. Adjacent to private property.																																						
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11	4130 - Aspen	Poletimber Well	28.4	40	51-80	N/A	Mixed aspen/northern hardwood stand, mostly small aspen poletimber from 1982 final harvest. Advanced mixed hardwood regen in the understory, mostly sugar maple. Sugar maple poletimber is mostly found along the edge of Van Rd., with a dense BTA poletimber located in the north 2/3 of the stand. Present BA is about 67 sq. ft. Adjacent to W. Van Rd.																																						
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12	42110 - Planted Red Pine	Poletimber Well	33.2	64	141-170	N/A	Stand consists of red pine poletimber in transition to sawlogs. Stand was row-thinned in 1994, with a marked thinning completed in 2013. Present BA is about 143 sq. ft. Stand will be ready for another marked thinning next YOY (2032). Mark the rows accordingly to allow equipment to operate without damaging residual red pine, as row spacing is quite narrow. Adjacent to State and W. Van Rds. Light hardwood understory present.																																						
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13	4110 - Sugar Maple Association	Sawtimber Well	31.0	77	81-110	N/A	Stand consists of a mix of northern hardwood, mostly sugar maple sawtimber/poletimber, with lesser amounts of basswood and red maple sawtimber/poletimber. Sparse, scattered yellow birch, black cherry, and hemlock are also present. Current BA is about 93 sq. ft. Possible selection cut in about 20 years. Adjacent to State Rd. Past owl nesting activity has occurred within the stand.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
14	4319 - Mixed Upland Forest	Sapling Medium	15.4	27	Immature	N/A	Stand is a former grass opening/shrub stand that has had red pine, scotch pine, white pine, black cherry, quaking aspen, basswood, and sugar maple encroach and establish from adjacent stands. Mostly small one stick poletimber and saplings. Scattered apple trees and clumps of hawthorn, sumac, and pin cherry also present. Stand will be included this YOE with the final harvest and red pine replant in Stand 19, adjacent to the north. Stand is adjacent to State Rd.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Scotch Pine		20	Sapling/Pole	4		Pin Cherry		Medium	10 - 20 feet	Sapling	
Sugar Maple		10	Sapling/Pole	3		Hawthorn (spp.)		Low	5 - 10 feet	Tall Shrub	
Quaking Aspen		10	Sapling/Pole	4		Sumac		Low	5 - 10 feet	Tall Shrub	
White Pine		10	Sapling/Pole	3							
Basswood		10	Sapling/Pole	3							
Red Pine		25	Sapling/Pole	4	27						
Black Cherry		15	Sapling/Pole	4							
15	3303 - Mixed Low Density Trees	Nonstocked	1.7		Unspecified	No	Grass opening with a small aspen clone and sparse, scattered shrubs, including hawthorn. Adjacent to State Rd. Prescribe opening maintenance this YOE.				
16	330 - Low-Density Trees	Nonstocked	1.1	0	Unspecified	No	Small grass opening with encroaching mixed hardwood, red pine, and scotch pine saps, as well as sparse low shrubs. Old homestead site. Prescribe opening maintenance this YOE.				
17	42110 - Planted Red Pine	Poletimber Well	25.4	39	171-200	N/A	Young, fair quality and form 2-4 stick, red pine poletimber. Current BA is about 172 sq. ft. Lower 2/3 of trees have had branches shade out and die. Prescribe row thinning this YOE. Rows spacing is wider than normal, which should result in very little damage to residual red pine. Adjacent to State Rd. and private property.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Pine		95	Pole	8	39	Black Cherry		Trace	5 - 10 feet	Sapling	
Sugar Maple		5	Sapling/Pole	4		White Ash		Trace	5 - 10 feet	Sapling	
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18	4110 - Sugar Maple Association	Sawtimber Well	71.1	93	81-110	N/A	High quality mixed northern hardwood stand, mostly sugar maple sawtimber/poletimber. Pockets of dead/dying ash and beech present. Fairly hilly topography, but operable. Slightly lower BA (108 sq. ft.) at present time. Adjacent to private ownership.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		91	Log/Pole/XLog	13	93	Beech		High	Variable	Sapling	
Basswood		2	Log/XLog/Pole	16		Sugar Maple		High	Variable	Sapling	
Beech		7	Log/Pole/XLog	11							
19	42110 - Planted Red Pine	Sawtimber Well	66.2	64	171-200	N/A	Red pine plantation in transition from poletimber to sawtimber. Stocking density and diameters are variable within the stand. The east half of the plantation is more uniform with higher a stocking density (BA 217 sq.ft.) than the west (BA 175 sq. ft.). The west half of the plantation has groups of densely stocked trees, with lower stocked or open areas around it. The stand contains a dense hardwood understory. North Country Pathway runs through east end of the plantation. Plantation had every third row of red pine and all hardwood and aspen removed in 1992. Prescribe a marked thinning this YOE.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Pine		100	Log/Pole	10	64	Sugar Maple		Full	Variable	Sapling	
						Beech		Medium	Variable	Sapling	
						Hawthorn (spp.)		Trace	5 - 10 feet	Tall Shrub	
20	4110 - Sugar Maple Association	Poletimber Well	30.7	77	81-110	N/A	Stand consists of a mix of northern hardwood poletimber and smaller diameter sawlogs, mostly sugar maple, with the balance being mostly black cherry sawtimber/poletimber, located on flat ground. Fairly sparse understory. Quality is fair. Stand should be ready for a selection harvest in 20 years to allow for sugar maple diameter growth. Adjacent to W. Van Rd.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		78	Pole/Sap/Log	9	77	Sugar Maple		Low	10 - 20 feet	Sapling	
Basswood		1	Log/XLog/Pole	14		Ironwood		Low	10 - 20 feet	Sapling	
Black Cherry		20	Log/Pole	11		Beech		Low	10 - 20 feet	Sapling	
Red Maple		1	Log/XLog/Pole	14							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
21	3204 - Mast Producing Shrub	Nonstocked	16.2		Unspecified	No	Clumps of dense hawthorne with scattered pin cherry and black cherry.																																																	
22	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.1	102	81-110	N/A	Small stand of lower quality mixed hardwood sawtimber, mostly sugar maple, with lesser amounts of red maple, yellow birch, and black cherry. Many forked and double stems. Decline and pending mortality is evident in many trees. There are very few crop trees present within the stand. Final harvest the stand this YOE to regenerate it with better quality stems. The adjacent aspen stand (Stand 23) will also be harvested at this time. Stand is adjacent to W. Van Rd.																																																	
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23	4130 - Aspen	Poletimber Well	5.3	52	81-110	N/A	Small stand of mixed aspen, mostly poletimber, located along the edge of Stand 22 M9. Final harvest this stand, along with Stand 22, this YOE to regenerate the hardwood/aspen mix.																																																	
24	4130 - Aspen	Sawtimber Well	36.6	72	81-110	N/A	Stand consists of mixed over-mature aspen and sparse northern hardwood poletimber located on a north-south running ridge. The west half of this stand is adjacent to W., Van Rd. The aspen overstory is somewhat sparse, except for a few dense clones, with some decline present. The understory consists of dense, advanced northern hardwood saps, mostly sugar maple and beech. The east half of the stand sits on top of a plateau, and is more easily accessible from the east, through Stand 25. Prescribe a final harvest with a mixed aspen/n. hardwood MO. Do not harvest on excessively steep west slope along W. Van Rd. This area will be factor limited.																																																	
25	42110 - Planted Red Pine	Poletimber Well	17.9	64	141-170	N/A	Variably stocked red pine plantation, mostly poletimber in transition to sawtimber. Every third row of red pine, along with all hardwood and aspen, was removed in 1992. Preseent BA averages out at 163 sq. ft. Mark and thin this smaller stand with several other red pine plantations nearby that are being treated this YOE.																																																	
26	3301 - Low Density Deciduous Trees	Nonstocked	6.2		Unspecified	No	Scattered sugar maple, beech, pin cherry, and red pine saps, with a few juniper clumps.																																																	
27	42110 - Planted Red Pine	Sawtimber Well	83.8	64	111-140	N/A	High quality red pine plantation, mostly young sawtimber with lesser amounts of scattered poletimber trees. Entire stand received a marked thinning that was completed in 2015. Current ave. BA is about 129 sq. ft. presently. West half of stand had 50% of the basal area removed in the mid 1990's. East half of stand was marked and thinned in 2004. Stand might be ready for another marked thinning next YOE.																																																	
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28	4130 - Aspen	Poletimber Well	135.1	38	51-80	N/A	Young aspen poletimber from 1984 final harvest. North Country Pathway runs through this stand. Fairly dense mixed hardwood understory. Stand is fairly large so it is recommended to final harvest 1/3 of this stand next YOE, and also a 1/3 harvest 20 and 30 years from now to create 3 different age classes of aspen, desirable habitat.																																																	
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29	4130 - Aspen	Sapling Well	27.9	19	Unspecified	N/A	Well-stocked, mixed aspen/northern hardwood regen from 2003 final harvest.																																																								
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30	4130 - Aspen	Sapling Well	28.6	28	Immature	N/A	High quality aspen regen, mostly saplings in transition to small poletimber, from 1994 final harvest. Medium stocked sugar maple and beech understory. Some hilly topography is present within the stand. North Country Pathway runs along the west edge of this stand.																																																								
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31	4110 - Sugar Maple Association	Sawtimber Well	120.8	102	51-80	N/A	High quality northern hardwood sawtimber/poletimber stand adjacent to the west side of State Rd., and south of Robinson Rd. Stand 31 was a much larger stand last YO, but has been divided up by multiple ash/beech salvage sales. Current Stand 31 received an ash/beech salvage in 2020 (Emmet Salvage #22, 52-134-13). Many rolling hills throughout stand but most are operable for equipment. Post harvest BA is about 70 sq. ft.. Snowmobile trail present along the south boundary of the stand.																																																								
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32	4110 - Sugar Maple Association	Sawtimber Well	103.7	103	51-80	N/A	Northern hardwood sawtimber/poletimber stand. Ash/beech salvage sale completed 10/06/2015 (Emmet Salvage #12, 52-124-13), except for SW portion of the stand, which did not get salvaged. Most of the ash and beech in this portion of the stand is already dead, or dying. Post-harvest BA is 66 sq. ft.																																																								
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33	3204 - Mast Producing Shrub	Nonstocked	2.9		Unspecified	No	Pin cherry, raspberry, and apple trees along seasonal county road.																																																								
34	4110 - Sugar Maple Association	Sapling Medium	2.0	32	Immature	N/A	Mostly sugar maple saps, with scattered apple trees, pin cherry, and just a few red pine saplings.																																																								
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35	4110 - Sugar Maple Association	Sawtimber Well	107.7	86	81-110	N/A	Fairly high quality northern hardwood stand, mostly sugar maple sawtimber. Stand received a selection harvest in 2002. Dense hardwood regen in understory following harvest. Current BA averages 104 sq. ft.																																																								
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36	3303 - Mixed Low Density Trees	Nonstocked	6.7		Unspecified	No	Scattered apple trees, scotch pine, pin cheery and hawthorn.																																																								



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<b>37</b>	4110 - Sugar Maple Association	Sawtimber Well	64.7	86	81-110	N/A	Fairly nice quality northern hardwood stand. Nice mix of sawtimber and poletimber. Stand was thinned in 2002. Dense hardwood regen in understory following harvest. Slightly lower BA presently.																																																					
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<b>38</b>	4130 - Aspen	Sapling Well	9.6	18	Immature	N/A	Mixed aspen regen with mixed northern hardwood regen in the understory, from 2004 final harvest. Maintain aspen MO. This stand was harvested with Stand 10 in Compartment 110. Harvest this stand when Stand 10 is harvested.																																																					
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<b>39</b>	42110 - Planted Red Pine	Sawtimber Well	8.7	66	111-140	N/A	Red pine plantation, mostly smaller sawlog trees with lesser amounts of poletimber present. Rows of planted white pine, a couple for about every dozen rows of red pine, mostly poletimber with lesser amounts of sawlogs. Fairly dense of mixed hardwood is found in the understory, along with scattered white pine seedlings. Stand is located on a northand west facing slope, with a plateau located on the south half of the stand. Crown thinning was completed in 2015. Current BA stands at about 130 sq. ft. Possible thinning prescribed next YOE.																																																					
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<b>40</b>	3302 - Low Density Conifer Trees	Nonstocked	26.1		Unspecified	No	Grass opening which has started to become encroached by naturally grown red pine volunteer seedlings and saplings, which have seeded in from adjacent red pine plantations.																																																					
<b>41</b>	42110 - Planted Red Pine	Sawtimber Well	8.4	66	111-140	N/A	Red pine plantation, mostly smaller sawlog trees with lesser amounts of poletimber present. Moderate amount of mixed hardwood is found in the understory. Stand is mostly located on top of a hill. Crown thinning was completed in 2015. Current BA stands at about 130 sq. ft. Possible thinning prescribed next YOE.																																																					
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<b>42</b>	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	90.8	86	81-110	N/A	Stand consists of a mix of northern hardwood, mostly poletimber, with a consistent but lesser amount of big-toothed aspen. Lower BA and smaller hardwood diameters presently. Better quality on west side of Gregory Rd. Dense understory in stand on east side of Gregory Rd.																																																					
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<b>43</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	11.3	78	51-80	N/A	Mix of big-toothed aspen/northern hardwood, mostly poletimber, on west-facing slope. Unevenly stocked with areas of dense clones surrounded by areas of sparse hardwood. Not very good quality tim																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
44	3204 - Mast Producing Shrub	Nonstocked	27.5		Unspecified	No	Large opening with a mix of pin cherry, black cherry, and sumac. A fair amount of apple trees are found in this stand also.			
45	4130 - Aspen	Sapling Well	36.8	19	Immature	N/A	Mixed aspen/northern hardwood regen from 2003 final harvest.			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Sugar Maple	10	Sapling	1	19	Sugar Maple	Medium	5 - 10 feet	Sapling
		Beech	10	Sapling	1	19	Beech	Medium	5 - 10 feet	Sapling
		Bigtooth Aspen	60	Sapling	2	19				
		Quaking Aspen	20	Sapling	2	19				
46	4130 - Aspen	Sapling Well	42.9	30	Unspecified	N/A	Fairly high quality mixed aspen in transition from saps to poletimber from 1992 final harvest. Medium stocked mixed hardwood understory			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Bigtooth Aspen	70	Sapling/Pole	4	30	Beech	Medium	5 - 10 feet	Sapling
		Quaking Aspen	30	Sapling/Pole	4	30	Sugar Maple	Medium	5 - 10 feet	Sapling
47	42110 - Planted Red Pine	Sawtimber Well	13.1	64	171-200	N/A	Variably stocked red pine plantation in transition from poletimber to sawtimber. Current BA averages 200 sq. ft. Dense hardwood and shrub understory. North Country Pathway runs through stand. Prescribe a crown thinning this YOE.			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Red Pine	100	Log/Pole	10	64	Sugar Maple	Full	Variable	Sapling
							Beech	Medium	Variable	Sapling
							Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
							White Ash	Low	Variable	Sapling
48	3204 - Mast Producing Shrub	Nonstocked	11.5		Unspecified	No	Open ground, clumps of dense hawthorn with scattered hardwood and rp/wp saps and small poletimber.			
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>					
		Hawthorn (spp.)	Medium		Tall Shrub					
49	4130 - Aspen	Sawtimber Medium	18.8	70	1-50	N/A	Stand consists of a lesser stocked mix of quaking aspen sawlogs/poletimber, with scattered sugar maple, red maple, and black cherry. Fairly dense mix of shrubs in understory, with a few apple trees present. Older aspen showing decline in vigor. Final harvest stand this YOE to restart and maintain aspen covertime MO.			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Black Cherry	10	Pole/Sap/Log	9		Honeysuckle (spp.)	Medium	5 - 10 feet	Tall Shrub
		Sugar Maple	10	Pole/Sap/Log	9		Pin Cherry	Medium	10 - 20 feet	Tall Shrub
		Red Maple	9	Pole/Sap/Log	9		Black Cherry	Low	Variable	Sapling
		Quaking Aspen	71	Log/Pole	10	70	Paper Birch	Low	Variable	Sapling
							Ironwood	Low	10 - 20 feet	Sapling
							Serviceberry (Juneberry)	Medium	10 - 20 feet	Tall Shrub
							Hawthorn (spp.)	Medium	5 - 10 feet	Tall Shrub
							Sugar Maple	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
<b>50</b>	4110 - Sugar Maple Association	Poletimber Well	44.1	92	81-110	N/A	Fair quality mixed northern hardwood, mostly poletimber. Lesser amounts of BTA found throughout stand. Slightly lower BA at present.																																																							
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<b>51</b>	4130 - Aspen	Sapling Well	13.3	18	Immature	N/A	The primary component of the stand is quaking and big-toothed aspen regen from a 2004 final harvest, with lesser amounts of mixed hardwood and hawthorn/pin cherry brush. A sparse overstory of white pine, red pine, black cherry and sugar maple sawtimber/poletimbers also present.																																																							
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<b>52</b>	42110 - Planted Red Pine	Sawtimber Well	21.3	64	141-170	N/A	Red pine plantation in transition from poletimber into sawtimber. Slightly lower BA at present time ( 158 sq. ft.). Dense hardwood understory. Adjacent to Robinson Rd. North Country Pathway runs through the stand. Stand was originally prescribed this YOE for a final harvest with a post-harvest MO of red pine to help achieve MA red pine re-start goals. After the discovery of HRD in the area, a variance was created to cancel the original prescribed treatment. No treatment will take place this YOE. A marked thinning will most likely be prescribed in ten years.																																																							
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<b>53</b>	4130 - Aspen	Sapling Well	38.6	18	Immature	N/A	Mixed aspen regen from 2004 final harvest. Mixed hardwood understory. Final harvest in 30 - 40 years to maintain aspen covertype.																																																							
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<b>54</b>	4130 - Aspen	Poletimber Well	119.7	47	81-110	N/A	Fairly large contiguous stand of dense mixed aspen regen, mostly poletimber, from 1975 final harvest. Scattered hardwood poletimber, with a fairly dense mixed hardwood understory is also present. In order to break up this stand into two age classes, final harvest about half of the stand this YOE, with the remainder of the stand prescribed for harvest next YOE.																																																							
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<b>55</b>	4133 - Aspen, Mixed Pine	Poletimber Medium	17.9	47	51-80	N/A	Stand consists of sparse mixed aspen poletimber with scattered black cherry poles and white pine of various diameters. Dense shrub undersrory. Adjacent to Robinson Rd. North Country Pathway runs through this stand.																																																							
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<b>56</b>	4110 - Sugar Maple Association	Sawtimber Well	18.0	92	81-110	N/A	Nice quality stand of mostly sugar maple sawtimber. Slightly lower BA at the present time.																																													
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<b>57</b>	4130 - Aspen	Sapling Well	6.2	35	Immature	N/A	Dense mixed aspen regen from 1987 final harvest, in transition from saps to poletimber. This stand was harvested with the larger acreage in Stand 18 in the adjacent Compartment 110 to the east. Harvest this stand with Stand 18 in about 20 years to maintain aspen covertime.																																													
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<b>58</b>	122 - Road/Parking Lot	Nonstocked	5.1		Unspecified	No	Robinson Rd.																																													
<b>59</b>	42110 - Planted Red Pine	Sawtimber Well	46.3	65	171-200	N/A	Red pine plantation that is a fairly even mix of sawtimber/poletimber at present. Scattered hardwood, aspen, and white pine throughout stand. Dense hardwood understory. Current BA is about 196 sq. ft. This stand was prescribed for final harvest with a post-harvest red pine MO to meet the goals for red pine restart acres in the MA, but that treatment was terminated after HRD was discovered in the area. Variance process was completed. The treatment will now consist of a marked RP thinning. Adjacent to Robinson Rd. North Country Pathway and designated snowmobile trail run through this stand.																																													
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<b>60</b>	4110 - Sugar Maple Association	Sawtimber Well	96.6	92	81-110	N/A	High quality stand of northern hardwood sawtimber. Stand received a selection harvest in 2003 - 2004. Lower post-harvest BA at present time. Lighter hardwood understory with a dense growth of berry brush. Snowmobile trail and North Country Pathway run through center of stand.																																													
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<b>61</b>	42110 - Planted Red Pine	Sawtimber Well	15.1	65	111-140	N/A	Red pine plantation, sawtimber/poletimber. Stand was marked and thinned in 2013 - 2014, to a post-harvest BA 108. Present BA is about 120 sq. ft. Row-thinned in 1992. Good quality. Fairly dense hardwood sapling understory. Adjacent to Gregory Rd., which also serves as a snowmobile trail.																																													
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<b>62</b>	42110 - Planted Red Pine	Sawtimber Well	24.8	65	111-140	N/A	Red pine plantation in transition from poletimber to sawtimber. Stand was marked and thinned in 2013 - 2014 with a present BA of about 130 sq. ft. The stand was row-thinned in 1992. Light hardwood understory. Adjacent to Gregory Rd., which also serves as a designated snowmobile trail.																																													
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<b>63</b>	4110 - Sugar Maple Association	Sawtimber Well	81.2	92	81-110	N/A	High quality stand of northern hardwood sawtimber. Stand received a selection harvest in 2003 - 2004, and an ash/beechn salvage in 2013 - 2014. Average BA of 87 sq. ft. at present time. Lighter hardwood understory with a dense growth of berry brush. Snowmobile trail and North Country Pathway run through center of stand.																																																			
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<b>64</b>	4130 - Aspen	Poletimber Well	14.1	47	81-110	N/A	Mixed aspen poletimber from 1975 final harvest. Mixed hardwood saps in the understory. Snowmobile trail runs through the middle of this stand. Harvest next YOE.																																																			
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<b>65</b>	4130 - Aspen	Sapling Well	4.4	18	Immature	N/A	Aspen regen from 2004 final harvest. Small acreage. Treat when adjacent hardwood stand is prescribed in 20 - 30 years.																																																			
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<b>66</b>	3204 - Mast Producing Shrub	Nonstocked	20.4		Unspecified	No	Open upland brush stand with clumps of dense hawthorne, th scattered pin cherry, black cherry, and juniper. A few large white pine are located in this stand. Adjacent to Robinson and Gregory Rds.																																																			
<b>67</b>	4110 - Sugar Maple Association	Poletimber Poor	60.1	62	1-50	N/A	Sparse overstory of poor quality mixed hardwoods over dense hardwood and upland shrub understory. Good wildlife cover. Protect shrubs during harvest activity.																																																			
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<b>68</b>	42110 - Planted Red Pine	Sawtimber Well	17.0	65	111-140	N/A	Red pine plantation, mostly smaller sawtimber and poletimber in transition to sawlogs. Stand received a marked thinning in 2013, with current BA at about 115 sq. ft. Stand was row-thinned in 1994. Lighter hardwood understory, except for south 1/4 of stand. Possibe treatment next YOE.																																																			
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<b>69</b>	42210 - Natural Red Pine	Sapling Well	2.5	26	Immature	N/A	Small stand of young, natural red pine volunteer saplings and small poles that have filled in a landing area to the adjacent pine plantations on either side.																																																			
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<b>70</b>	42110 - Planted Red Pine	Sawtimber Well	19.8	65	111-140	N/A	Red pine plantation, mostly smaller sawtimber and poletimber in transition to sawlogs. Stand received a marked thinning in 2013, with current BA at about 125 sq. ft. Stand was row-thinned in 1994. Possible treatment next YOE.																																																														
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<b>71</b>	4130 - Aspen	Poletimber Well	16.4	45	51-80	N/A	Young BT aspen poletimber from 1977 final harvest. Adjacent to Robinson and Cetas Rds.																																																														
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<b>72</b>	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	45.1	68	51-80	N/A	Stand consists of lesser stocked, poor quality mixed northern hardwood and scattered sparse mixed aspen in the overstory, with a dense growth of hardwood and shrubs in the understory. Current BA is about 80 Sq. Ft. Final harvest the south half of the stand this YOE. Final harvest the north half of the stand when Stand 71 is treated.																																																														
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<b>73</b>	3204 - Mast Producing Shrub	Nonstocked	20.4		Unspecified	No	Open stand of hawthorn, pin cherry, and a few small aspen clones.																																																														
<b>74</b>	42110 - Planted Red Pine	Sawtimber Well	13.8	65	111-140	N/A	Red pine plantation, mostly small sawlogs and poletimber Stand was row- thinned about 1992. Fairly good quality stems. Stand received a marked thinning in 2013. Current BA is about 120 sq. ft. Possible thinning next YOE.																																																														
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<b>75</b>	42110 - Planted Red Pine	Sawtimber Well	29.6	65	111-140	N/A	Red pine sawtimber/poletimber stand. Fairly good form and quality. Stand was row-thinned in 1992. Marked thinning in 2013. Current BA is about 136. Mostly clean understory. Adjacent to county roads and snowmobile trail. Possible marked thinning next YOE.																																																														
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<b>76</b>	4110 - Sugar Maple Association	Poletimber Well	52.1	89	81-110	N/A	Mix of fair quality mixed northern hardwood, mostly poletimber with a lesser sawtimber component. Adjacent to Cetas Rd. and Palmer Rd (designated snowmobile trail).																																																														
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77	4130 - Aspen	Poletimber Well	54.3	39	81-110	N/A	Well-stocked, young aspen poletimber stand with a mixed hardwood understory, from a 1983 final harvest. Current BA is about 100 sq. ft. Possible final harvest in 10 - 20 years.																																										
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78	4111 - S.Maple, Hard Mast Association	Poletimber Well	182.4	82	81-110	N/A	Mix of northern hardwood poletimber, with a lesser amount of sawtimber. Fair quality. Lower BA at present.																																										
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79	3204 - Mast Producing Shrub	Nonstocked	2.2		Unspecified	No	Sparse pin cherry in opening.																																										
80	42110 - Planted Red Pine	Poletimber Well	32.9	65	141-170	N/A	Red pine poletimber with a few scattered sawlogs present. Stand was last thinned in 2003. Present BA is about 170 sq. ft at this time. Prescribe a marked thinning this YOE to restore BA to 120 sq. ft. Adjacent to State Rd. and private ownership.																																										
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81	122 - Road/Parking Lot	Nonstocked	2.9		Unspecified	No	State Rd.																																										
82	4130 - Aspen	Sapling Well	4.7	19	Immature	N/A	Mixed aspen/hardwood saplings from scotch pine final harvest in 2003. Mixed aspen/hardwood MO. Final harvest in about 30 years.																																										
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83	4116 - Mixed N. Hardwood - Aspen	Sapling Well	8.7	32	Immature	N/A	Stand consists of young northern hardwood/aspen encroaching in from the west, scattered upland brush, and scotch pine saplings left over from previous harvest to the south. Adjacent to private on east. Saplings have become established in stand. Manage as a forested covertype.																																										
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<b>84</b>	42110 - Planted Red Pine	Sawtimber Well	36.3	72	111-140	N/A	Red pine stand in transition from poletimber to sawlogs. Received a marked thinning in 2013. Present BA is about 125 sq. ft. Stand was acquired in 1994. Pockets of trees were lost to an ice storm in 1995. Heavy shrub, hardwood and aspen saps in understory at present. On rolling hills, adjacent to State and Robinson Rds. Possible thinning prescribed next YOE.																																				
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<b>85</b>	4110 - Sugar Maple Association	Sawtimber Well	284.2	102	1-50	N/A	High quality northern hardwood, mostly sugar maple, sawtimber/poletimber stand south of Robinson Rd. This stand was originally part of Stand 31. This stand received an ash/beech salvage sale (Emmet Salvage #20) completed in 2015. Post-harvest BA is 47 sq. ft.																																				
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<b>86</b>	4110 - Sugar Maple Association	Sawtimber Well	45.7	102	51-80	N/A	STAND CONSISTS OF MOSTLY SUGAR MAPLE AND BASSWOOD SAWTIMBER/POLETIMBERWITH SCATTERED BLACK CHERRY, RED MAPLE, AND YELLOW BIRCH. HARVESTED AS A SINGLE TREE SELECTION, WITH ALL ASH/BEECH REMOVED, AND WAS ALSO USED AS A DNR VOLUME/CRUISING STUDY, WHICH WAS COMPLETED 5/21/2013. CURRENT BA IS ABOUT 80 SQ. FT. FAIRLY DENSE ASH AND BEECH REGEN PRESENTLY.																																				
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<b>87</b>	4110 - Sugar Maple Association	Sawtimber Well	68.4	102	51-80	N/A	High quality northern hardwood, mostly sugar maple, sawtimber/poletimber stand south of Robinson Rd. This stand was originally part of Stand 31. This stand received an ash/beech salvage completed in 2015. Post-harvest BA is 72 sq. ft. presently.																																				
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<b>88</b>	3205 - Mixed Upland Shrub	Nonstocked	12.1		Unspecified	411 - Northern Hardwood	Stand was clearcut in 2004 to encourage black cherry regen. At present, stand consists of mostly raspberry and scattered hardwood regen.																																				
<b>89</b>	4130 - Aspen	Poletimber Well	12.4	47	81-110	N/A	Small stand of aspen poletimber with a mixed hardwood understory and fairly dense blackberry/raspberry shrub growth. Final harvest in 10 - 20 to maintain aspen MO.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>90</b>	4130 - Aspen	Sapling Well	7.4	18	Immature	N/A	Mixed aspen/northern hardwood regen from 2004 final harvest. Dense blackberry present. Possible final harvest in 20 years with adjacent aspen Stand 89 to maintain aspen MO.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Bigtooth Aspen		50	Sapling	2	18	Blackberry/Raspberry		
Quaking Aspen		50	Sapling	2	18	Sugar Maple		
						White Ash		
						Black Cherry		
						Beech		
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		
<b>91</b>	4110 - Sugar Maple Association	Sapling Well	7.1	22	Immature	N/A	Upland brush stand that has converted to a mixed northern hardwood sapling stand, with a few scattered red pine saplings and juniper shrubs.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Black Cherry		20	Sapling/Pole	3	22			
Sugar Maple		60	Sapling/Pole	4	22			
Red Maple		20	Sapling/Pole	4	22			
<b>93</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	43.9	102	111-140	N/A	High quality northern hardwood sawtimber/poletimber stand south of Robinson Rd. and west of State Rd. Many rolling hills throughout stand but most are operable for equipment. Variable BA throughout stand. This stand was prescribed for ash/beech salvage, originally set up in 2013 - 14, sold, but harvest operations never started. Sale was re-advertised and sold as Emmet Salvage #21 (52-123-18). This stand was PU 1B of that sale, but was never started. The contract holder declined to extend the sale after 09/30/2021 expiration date, so the contract was terminated in January 2022.. This unit will be re-evaluated based on ash/beech mortality level and possibly re-sold. Snowmobile trail present along the west boundary, and portions of the north and south boundaries.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Beech		10	Log/Pole/Sap	11		Beech		
White Ash		5	Log/Pole/Sap	11		White Ash		
Red Maple		15	Log/Pole/Sap	10		Sugar Maple		
Bigtooth Aspen		3	Log	12				
Ironwood		1	Pole/Sapling	6				
Black Cherry		10	Log/Pole/Sap	10				
Yellow Birch		4	Log/Pole	12				
Sugar Maple		52	Log/Pole/Sap	10	102			
<b>94</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.9	102	111-140	N/A	High quality northern hardwood sawtimber/poletimber stand south of Robinson Rd. and west of State Rd. This stand was originally part of Stand 31, which was prescribed for ash/beech salvage. This part of Stand 31 was not included for treatment because of topography and the snowmobile trail was used as the south treatment boundary. Many rolling hills throughout stand, with some being very difficult for harvest equipment to operate safely. Current ash/beech trees are dead and dying and will eventually fall out of the stand. Selection harvest possible in 10 - 20 years. Snowmobile trail is the north boundary of this stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Yellow Birch		4	Log/Pole	12		Beech		
White Ash		2	Log/Pole/Sap	11		White Ash		
Beech		5	Log/Pole/Sap	11		Sugar Maple		
Red Maple		20	Log/Pole/Sap	10				
Red Oak		1	Log/Pole/XLog	12				
Bigtooth Aspen		2	Log	12				
Black Cherry		10	Log/Pole/Sap	10				
Sugar Maple		55	Log/Pole/Sap	10	102			
Ironwood		1	Pole/Sapling	6				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>131</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	66.4	102	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/Pole	12	
White Ash	2	Log/Pole/Sap	11	
Beech	3	Log/Pole/Sap	11	
Black Cherry	5	Log/Pole/Sap	10	
Bigtooth Aspen	2	Log	12	
Red Oak	1	Log/Pole/XLog	12	
Sugar Maple	70	Log/Pole/Sap	10	102
Ironwood	2	Pole/Sapling	6	
Red Maple	10	Log/Pole/Sap	10	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Sapling
Beech	Low	Variable	Sapling
White Ash	Low	Variable	Sapling

High quality northern hardwood sawtimber/poletimber stand south of Robinson Rd. and west of State Rd. Many rolling hills throughout stand but most are operable for equipment. Stand received an ash/beechn salvage treatment in 2020 (Emmet Salvage #21, PU 1A), that was partially completed and cancelled. Most of the ash and beech was cut and skidded to landing, but an area along the west boundary of the PU was not totally completed. Sale was terminated in January 2022 because producer failed to extend sale to finish harvest. Snowmobile trail represents south boundary of timber sale and this stand.