



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71087

Entry Year 2024

Acreage: 3,562

County Ogemaw

Management Area: Ogemaw Hills

Stand Examiner: Brian Martell

Legal Description:

T24N R02E Sections 14-17, 20-23, 26-27

Identified Planning Goals:

Maintain current age and species diversity in a range of early and late succession ecosystems.

Soil and topography:

Soils are primarily Greycalm sands with some areas of Mancelona sands. Terrain ranges from mostly flat with gently rolling hills, to a series of steep hills and ridges within the center of the compartment.

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

The area consists of large blocks of state land with some areas of mostly recreational private property ownership.

Unique Natural Features:

None

Archeological, Historical, and Cultural Features:

There are potential archeological sites within sections 16 and 17. Additionally, the old "Tucker" Cemetery lies within section 22.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

None

Wildlife Habitat Considerations:

This compartment is located just NW of Rose City by Turney Ranch and Stoney Ridge roads. The western portion of the compartment is part of the dedicated Kirtland's Warbler Habitat. Stand types include jack pine, aspen, oak and mixed hardwoods. Topography is rolling hills comprised of ice contact ridges. The compartment is important to deer, turkey, grouse, and woodcock. Black bear also frequent the compartment, especially in association with stands that produce hard mast food sources. This compartment sees heavy pressure for hunting. Management considerations include treatments that will promote hard and soft mast production for wildlife including retention of large crown mast producing trees when possible. Early successional species such as aspen should be managed to ensure young stands are always available for grouse and woodcock. To promote snowshoe hare and other small mammals, brush piles will be constructed in association with timber harvests along stand edges. Aspen stands will be managed to promote young forests for early successional wildlife species. Whenever possible, aspen harvests will include drumming logs to enhance breeding habitat for ruffed grouse. Currently there are six managed wildlife openings within the compartment.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for metallic minerals in this part of the state. No active sand/gravel pits exist in the area, but commercial aggregate and private borrow pits are common in this region, and there is generally good potential for sand & gravel within the outwash and ice-contact glacial deposits of the area. There appears to be some good potential for sand & gravel within the compartment, but oil & gas infrastructure could inhibit development in some areas. A portion of the Rose City oil & gas field overlaps the compartment in the southwest. The field continues to produce from the Richfield Member of the Devonian Lucas Formation and the Ordovician St. Peter Sandstone. All state-owned mineral rights in sections 19 & 20 are currently under lease and held by production. There has been no additional well drilling or permitting activity within the compartment in the last ten years, and additional future oil & gas development within the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

There is good vehicle access to the compartment. There are multiple gravel county and forest roads. Additionally, there are some oil/gas roads that are well maintained.

Survey Needs:

Possible surveys needed in sections 15,16, and 22.

Recreational Facilities and Opportunities:

The compartment has a number of segments of Rose City ORV trail and Snowmobile trail 6 of the designated trail system. The ample number of roads provide access for year round recreation interests of small and large game hunting, gathering, and access for sight seeing in the state forest.

Fire Protection:

Most of this compartment is mixed upland aspen and hardwoods that may not produce huge threats for extreme fire behavior. There is moderate fire history in this area. West of this compartment lies large amounts of jack pine. There is hilly terrain that may be difficult to operate equipment. Wildland-urban interface exists in the compartment with good access along with oil and gas infrastructure within the compartment that can produce issues or hazards while suppressing wildfires.

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

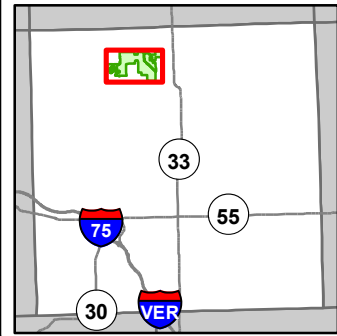
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

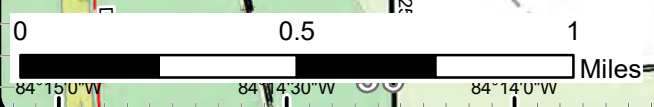
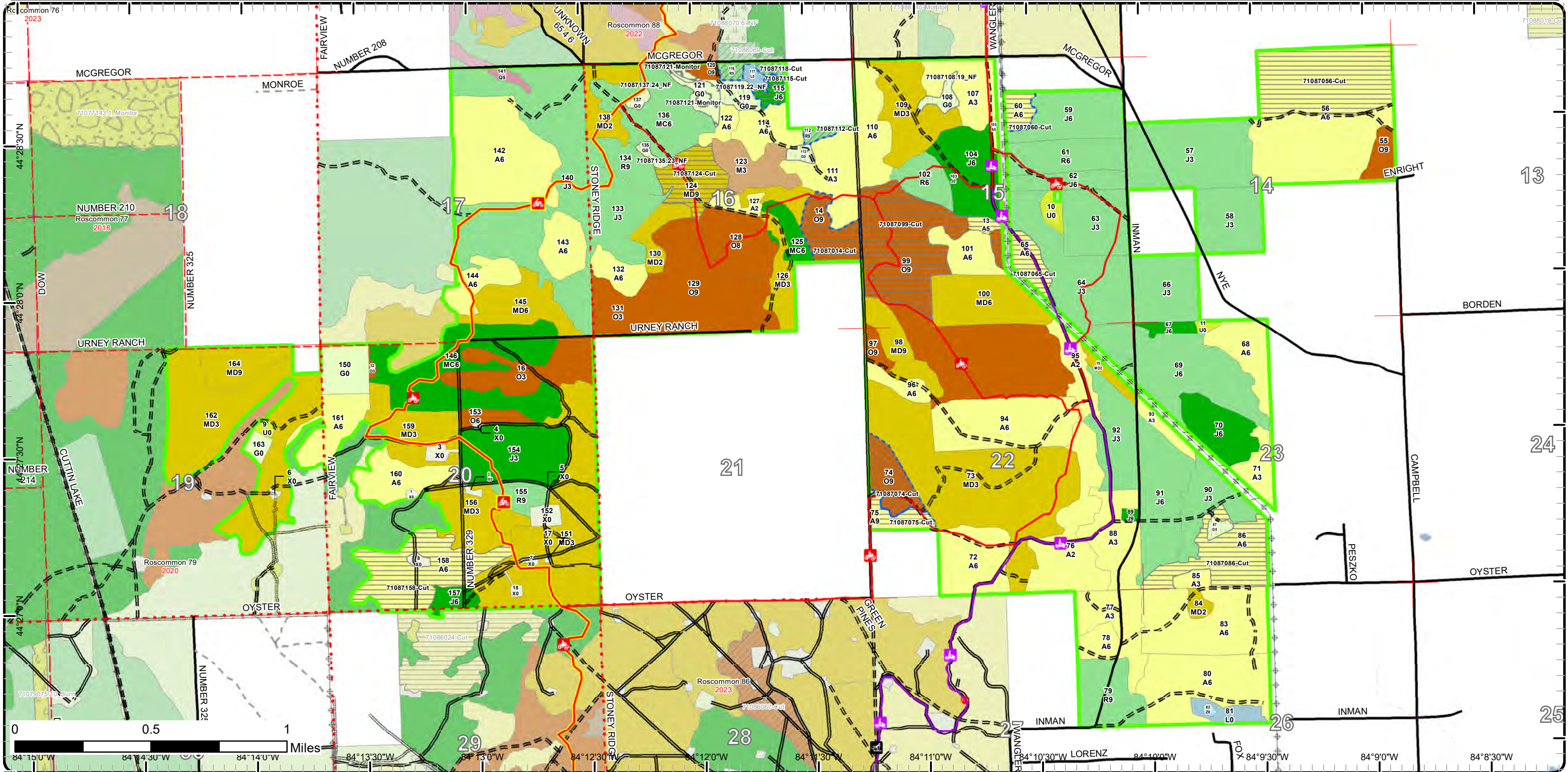
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 87
 T24N, R02E, Sec. 14-17, 19, 20,
 22, 23, 26, 27, 29
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Ogemaw Hills
 YOE: 2024
 Acres: 3562.1 GIS Calculated
 Examiner: Brian Martell
 Map Revised: 12/27/2022
 Map Phase: Post-Review



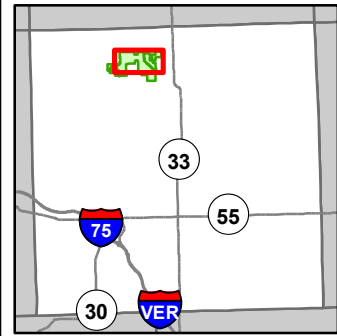
- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Ski Trails
- MCCCT Trails
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Sign
- Intermittent Stream
- Lake/Pond
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated



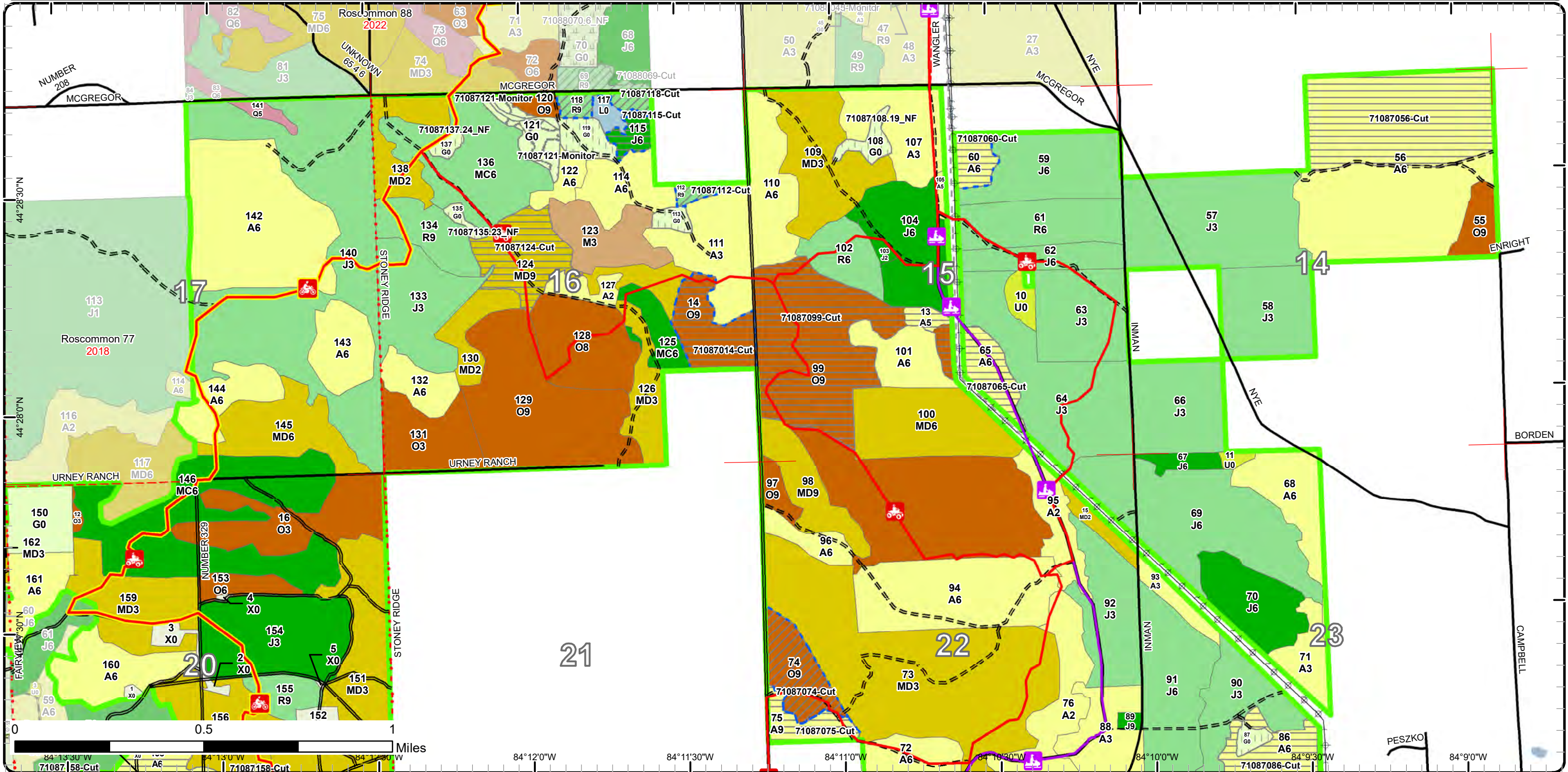
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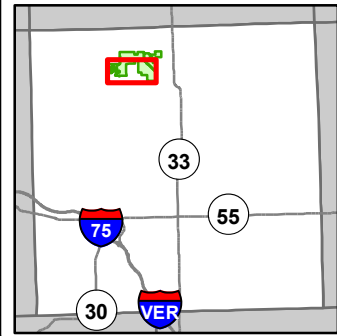


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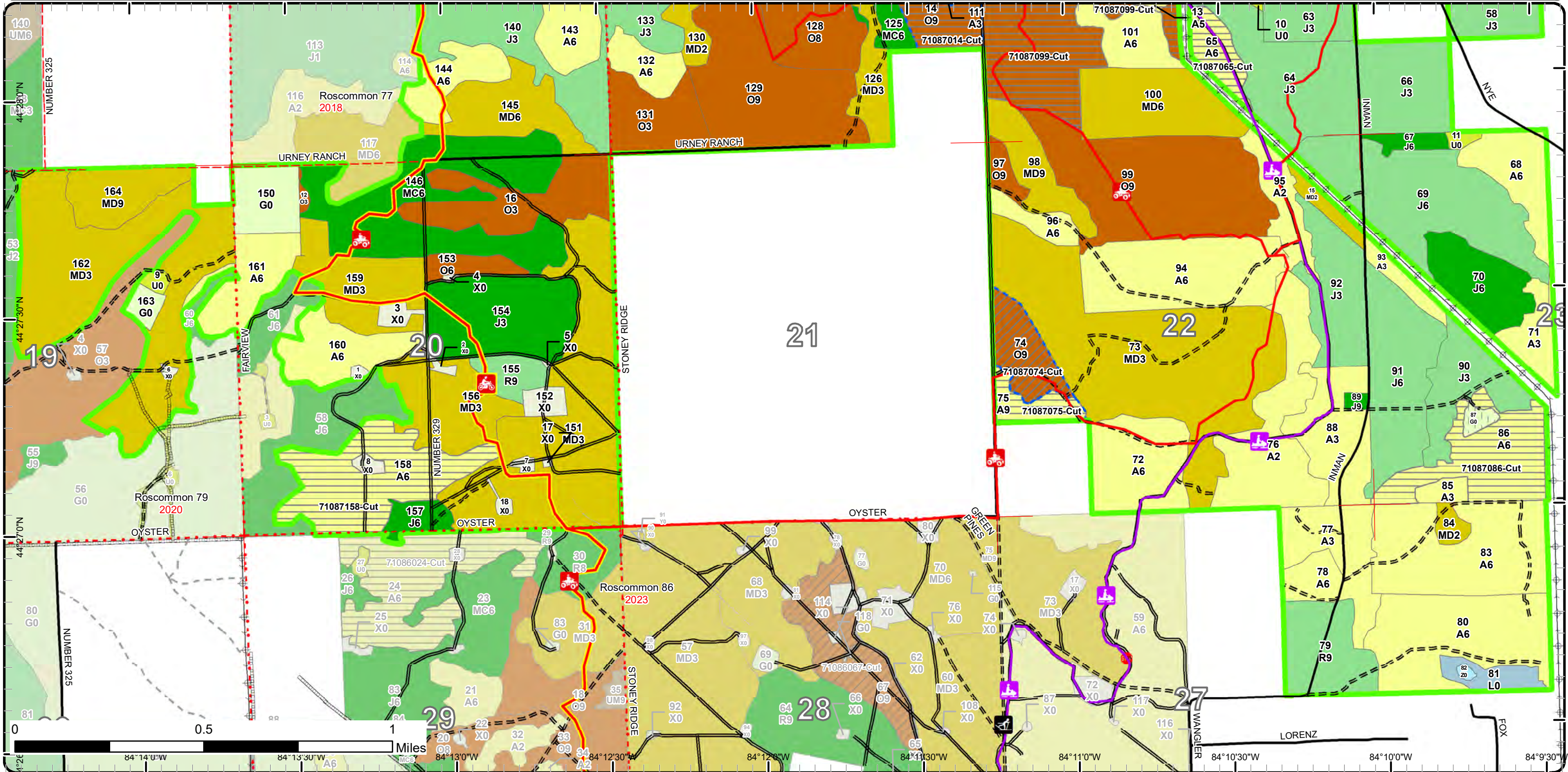


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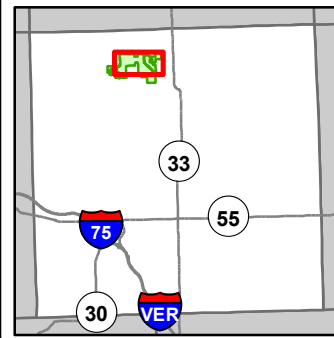


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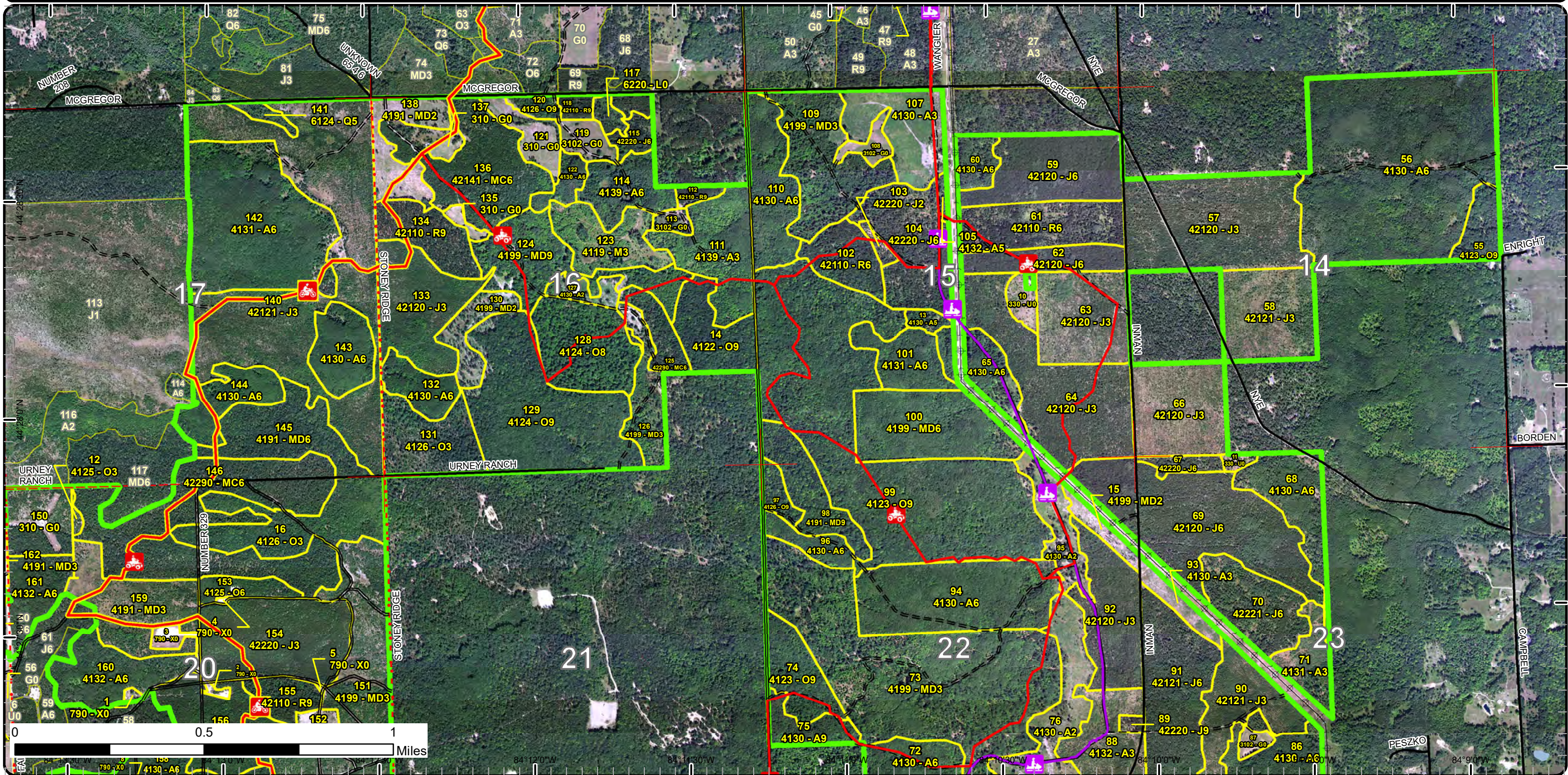


Stand Boundary Map

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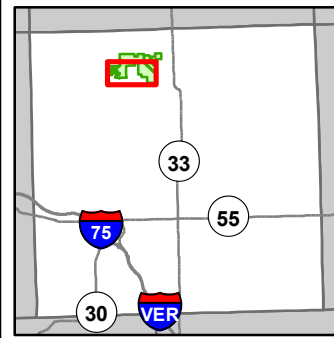


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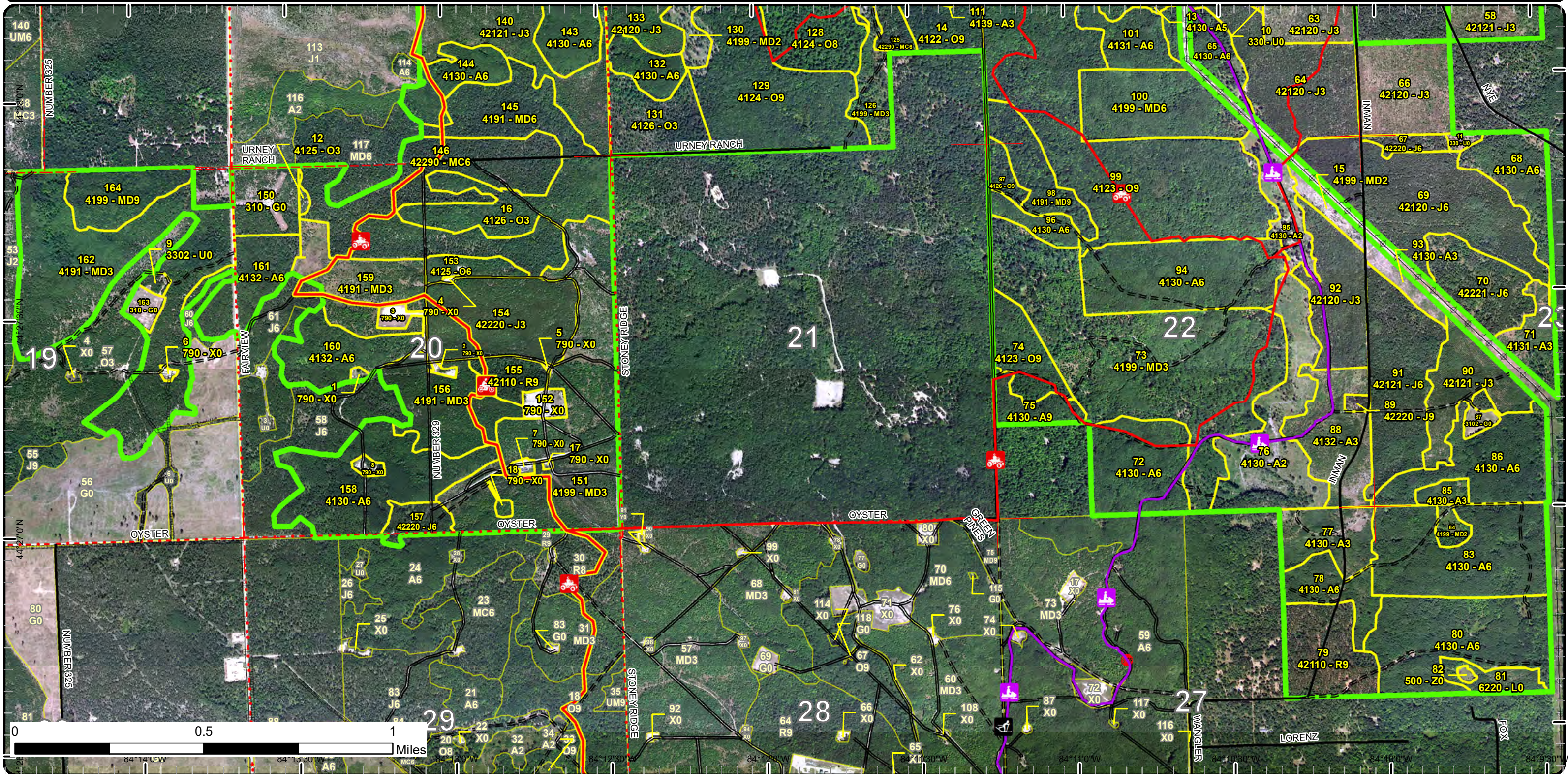


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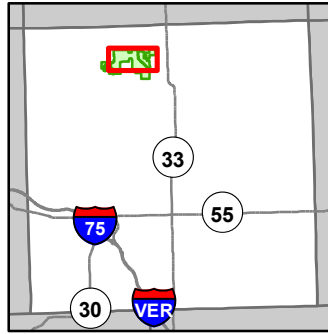


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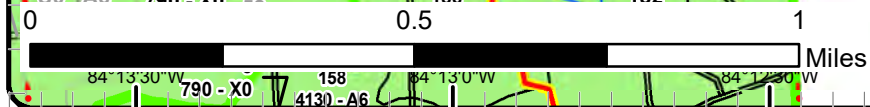
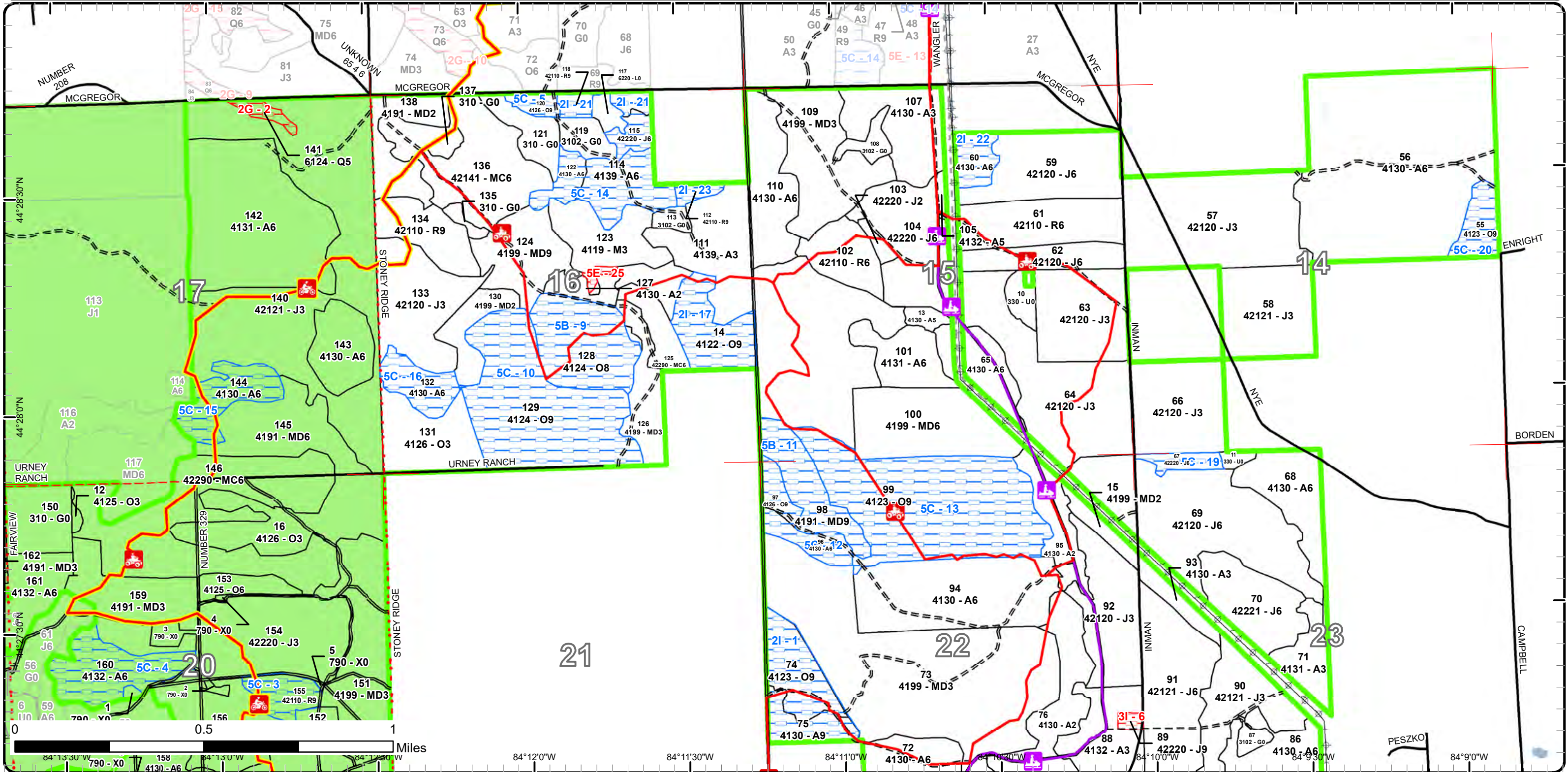


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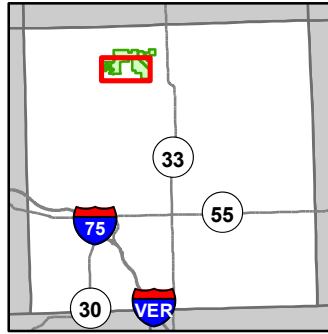


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- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat

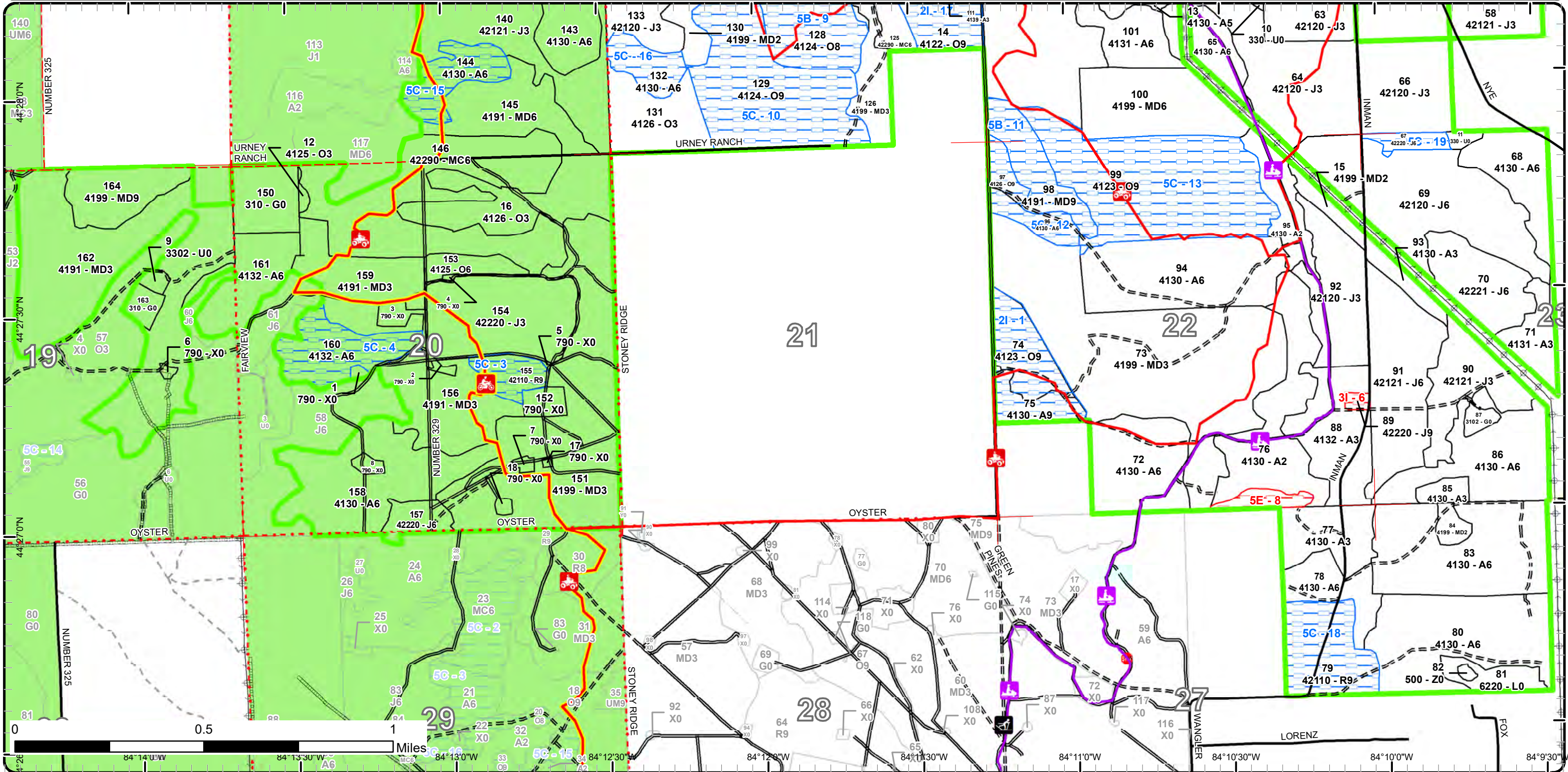


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	119	81	121	133	489	148	0	0	0	12	0	0	0	0	0	0	0	1103
Bare/Sparsely Vegetated	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Herbaceous Openland	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Jack Pine	0	0	326	232	209	53	10	12	0	0	2	0	0	0	0	0	0	0	844
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Lowland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	42	159	192	258	0	74	0	0	0	24	0	0	0	0	0	0	0	749
Natural Mixed Pines	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	104
Northern Hardwood	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Oak	0	0	30	0	0	42	9	0	0	0	340	0	24	0	0	0	0	0	445
Planted Mixed Pines	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Red Pine	0	0	0	0	34	0	40	8	3	34	0	12	0	0	0	0	0	0	131
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	109	161	621	597	634	584	385	20	3	38	378	12	24	0	0	0	0	0	3564



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 87
Total Compartment Acres: 3,562

Commercial Harvest - 313
Harvests with Site Condition - 84
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	218	0	0	0	0	0	0	0	0	218
Jack Pine	6	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	29	0	0	0	0	0	0	0	0	29
Oak	112	0	0	0	0	22	0	0	0	134
Red Pine	0	0	0	0	0	11	0	0	0	11
Total	365	0	0	0	0	33	0	0	0	398

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	398	0	0	0	0	11	0	26		435
Next Step	0	6	11	0	0	376	0	23		417
Total	398	6	11	0	0	387	0	49		852



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:

14	71087014-Cut	23.8	4122 - Oak, Pine	Sawtimber Well	115	111- 140	Harvest	Clearcut with Retention	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Cut all trees two inches DBH and larger. Leave area retention based on retention guidelines focused in areas heavy to white oak. Mark some scattered log sized pine and white oak to leave. Also, where still feasible for operability and spacing, mark the well formed pole and large sapling sized white and red pine to leave.</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> Oak with maple and aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
56	71087056-Cut	76.5	4130 - Aspen	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 1 inch DBH and larger. Leave all oak. Leave about 3% retention in areas heavy to oak. Include drumming log specs.</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> Aspen with some red maple and cherry.</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>											
60	71087060-Cut	9.4	4130 - Aspen	Poletimber Well	55	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2 inches DBH and larger. Leave all red pine. Include drumming log specs. Purchaser will need to gain permission from consumers.</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> Fully stocked stand of aspen and pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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65	71087065-Cut	14.4	4130 - Aspen	Poletimber Well	48	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches DBH and larger. Leave about 3% retention focusing on steep slopes and/or pockets dominated by oak. Include drumming log and snowmobile trail protection specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of aspen with some red maple and oak mixed in.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

74	71087074-Cut	21.6	4123 - Red Oak	Sawtimber Well	90	111-140	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	No
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Prescription Thin stand down to around 80 sq ft. Include oak wilt and ORV trail protection specs. ORV trail will most likely be used for hauling.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2023

75	71087075-Cut	12.3	4130 - Aspen	Sawtimber Well	90	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches DBH and larger. Leave about 3% area retention focused on a pocket dominated by oak. Include ORV trail protection specs. ATV trail will most likely need to be used for hauling.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of aspen with some red maple and oak.

Regen:

Other

Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2023

86	71087086-Cut	44.0	4130 - Aspen	Poletimber Well	46	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches DBH and larger. Leave area retention based on retention guidelines focused on steep terrain and/or areas with red oak in them. Include drumming log spec. Protect wildlife opening.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of aspen with some red maple and oak.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023



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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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87	71087087.17_NF	3.3	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 12.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 4 /20/2022</p>										

99	71087099-Cut	88.5	4123 - Red Oak	Sawtimber Well	95 111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2 inches DBH and larger. Leave between 3-10% area retention focused on areas dominated by red oak and with steep terrain.</p> <p><u>Specs:</u> Leave a handful of large crowned white oak and any super canopy pine as well. Leave drumming logs and include ORV trail protection specs and oak wilt specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Fully stocked stand of aspen with some red maple and oak.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2023</p>										

108	71087108.19_NF	5.6	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 8.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 4 /20/2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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112	71087112-Cut	3.4	42110 - Planted Red Pine	Sawtimber Well	72	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Remove about 1/3 of the volume. Cut suppressed and poor formed trees first then mark for spacing. Use edge of grassy opening for a landing.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2023

113	71087113.21_NF	3.5	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/Grass Planting	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 13.
Specs:

Next Step NonForestMgt, Herbaceous/Crop/Grass Planting
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 4 /20/2022

115	71087115-Cut	6.2	42220 - Natural Jack Pine	Poetimber Well	62	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Cut all trees 2" DBH and larger. Leave tops evenly scattered and scarify site for natural seeding. Leave no retention due to small stand size. Use edge of wildlife opening for truck turnaround and landing.
Specs:

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

Acceptable Jack pine mixed with red maple and some inevitable cherry.
Regen:

Other
Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2023

118	71087118-Cut	7.7	42110 - Planted Red Pine	Sawtimber Well	62	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Remove about a third of the volume. Take poor formed and suppressed trees first, then mark for spacing.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2023



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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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119	71087119.22_NF	8.2	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/Grass Planting	310 - Herbaceous Openland	No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 9.

Specs:

Next Step NonForestMgt, Herbaceous/Crop/Grass Planting

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 4 /20/2022

121	71087121-Monitor	11.0	310 - Herbaceous Openland	Nonstocked	0		Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription

Specs:

Next Step ; Planting, Replant; Monitoring, Artificial Regen(1yr)

Treatments:

Acceptable planted red pine with 80% free to grow.

Regen:

Other

Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/1 /2022

124	71087124-Cut	28.9	4199 - Other Mixed Upland Deciduous	Sawtimber Well	55	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
-----	--------------	------	-------------------------------------	----------------	----	--------	---------	-------------------------	-------------------------------------	-----------	----

Prescription Cut all trees 1 inch DBH and larger. Leave 10-20 healthy large-crowned white oak for hard mast. Approximate retention area is already delineated out. Include ORV trail protection specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of red maple, aspen, and oak.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023



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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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135 71087135.23_ NF	2.6	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 11.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 4 /20/2022

137 71087137.24_ NF	2.8	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 10.

Specs:

Next Step

NonForestMgt, Herbaceous/Crop/Grass Planting

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 4 /20/2022

158 71087158-Cut	61.1	4130 - Aspen	Poletimber Well	55	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2" DBH and larger. Leave are retention according to retention guidelines, possibly focused on steep areas in the eastern finger of

Specs: stand. Mark about 10 BA of red pine to leave in red pine veins. Include drumming log and oil/gas specs.

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Aspen with oak and pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2022

Total Treatment Acreage Proposed: 434.8

Report 4 – Site Conditions

Roscommon Mgt. Unit
 Brian Martell : Examiner

Compartment: 87
 Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2I	5B	5C	2G	3I	5E	
1103	973	124	6	Aspen	22		102				6
19	19	0	0	Bare/Sparsely Vegetated			0				
64	64	0	0	Herbaceous Openland							
844	830	12	2	Jack Pine	6		6			2	
10	10	0	0	Low-Density Trees							
4	0	0	4	Lowland Conifers					4		
14	14	0	0	Lowland Shrub							
748	722	24	2	Mixed Upland Deciduous	0	24					2
104	104	0	0	Natural Mixed Pines							
25	25	0	0	Northern Hardwood							
444	166	278	0	Oak	45	37	196				
52	52	0	0	Planted Mixed Pines							
130	73	57	0	Red Pine	11		46				
1	1	0	0	Water							
3,562	3,053	495	14	Total Forested Acres	85	60	349	4	2	8	
	86%	14%	0%	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	Available	2I: Survey needed	34	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Road/trucking access is very limited due to very steep terrain.								
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Roscommon Mgt. Unit

Brian Martell : Examiner

Compartment: 87

Year of Entry: 2024

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Allow aspen to reach larger size classes.							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	(Inactive)3I: Historical / archeological (add locked comments)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5B: Maintain for regeneration purposes	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 87

Brian Martell : Examiner

Year of Entry: 2024

10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5B: Maintain for regeneration purposes	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wait to harvest until southern half of stand 99 is harvested.							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	95	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Allow diameters to increase.							

Report 4 – Site Conditions

Roscommon Mgt. Unit
 Brian Martell : Examiner

Compartment: 87
 Year of Entry: 2024

16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Allow diameters to increase.							
17	Available	2I: Survey needed	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand just thinned last entry.							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wait to cut with stand directly to south.							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	2I: Survey needed	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Brian Martell : Examiner

Compartment: 87
Year of Entry: 2024

22	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	2I: Survey needed	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Allow more of the red maple to become merchantable.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
1	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.9	0		oil well					
2	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.3	0		oil/gas infrastructure					
3	790 - Other Bare/Sparsely Vegetated	Nonstocked	4.2	0		oil well and above ground lines.					
4	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.4	0	Immature	oil well					
5	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.2	0		oil/gas infrastructure					
6	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.8	0		oil well pump jack					
7	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.3	0		oil/gas infrastructure					
8	790 - Other Bare/Sparsely Vegetated	Nonstocked	2.2	0		Test well. Permit terminated. There are EGLE permits issued, with the same number issued for this site. The first permit was "terminated" which likely means the permit expired before construction was completed then a second permit was issued. This site currently has a producing oil well (EGLE permit 11414) - R Merrick					
9	3302 - Low Density Conifer Trees	Nonstocked	2.4	0		oil/gas infrastructure					
10	330 - Low-Density Trees	Nonstocked	5.9	0		No	Non-forested stand resulting from a wildfire in 2004 or 2005, started from adjacent private cabin.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Black/Red (Hybrid) Oak	Trace	>20 feet	Pole
								White Oak	Trace	>20 feet	Pole
Pin Cherry	Medium	Variable	Sapling								
11	330 - Low-Density Trees	Nonstocked	2.2		Immature	4319 - Mixed Upland Forest					
12	4125 - Black, N. Pin Oak	Sapling Well	1.2	18	Immature	N/A					

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	93	Sapling	2	18
Jack Pine	2	Sapling	3	
White Oak	5	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	4130 - Aspen	Poletimber Medium	3.5	50	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	XLog/Log	18		Pin Cherry	
Pin Cherry		5	Pole/Sapling	5		Black/Red (Hybrid) Oak	
Black/Red (Hybrid) Oak		1	Log	14		White Pine	
Bigtooth Aspen		63	Pole/Log	9	50		
Jack Pine		1	Log/Pole	12			
Red Maple		25	Pole/Sapling	5			
14	4122 - Oak, Pine	Sawtimber Well	23.8	115	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Oak		37	Log/Pole	12	115	White Oak	
Black/Red (Hybrid) Oak		25	Log/Pole	12	95	White Pine	
White Pine		15	Log/Pole	10		Black/Red (Hybrid) Oak	
Red Pine		15	Log/Pole	10		Red Maple	
Red Maple		3	Pole	7			
Red Oak		5	Log/Pole/XLog	14	95		
15	4199 - Other Mixed Upland Deciduous	Sapling Medium	6.7	7	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
White Oak		15	Sapling/Pole	3			
Black/Red (Hybrid) Oak		10	Sapling	1	7		
Jack Pine		10	Sapling	1			
Quaking Aspen		10	Sapling	1	7		
Pin Cherry		55	Sapling	2	7		
16	4126 - White, Black, N. Pin Oak	Sapling Well	41.7	47	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		7	Pole/Sapling	6		White Oak	
Bigtooth Aspen		12	Sapling/Pole	4			
Red Maple		5	Sapling/Pole	3			
White Oak		34	Pole/Sapling	5	47		
Red Pine		5	Pole/Log	9			
White Pine		3	Log/Pole	12			
Black/Red (Hybrid) Oak		34	Sapling/Pole	4	47		
17	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.4	0			oil/gas infrastructure
18	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.4	0			Fairly new oil/gas infrastructure. Was not on pre-2020 imagery.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
55	4123 - Red Oak	Sawtimber Well	11.7	95	81-110	N/A																																																									
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56	4130 - Aspen	Poletimber Well	149.5	47	51-80	N/A	Poor quality quaking aspen on flats with bigtooth on ridges with better soil. Oak pockets throughout																																																								
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57	42120 - Planted Jack Pine	Sapling Well	74.4	24	Immature	N/A	Seeded 1998																																																								
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58	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	38.0	15	Immature	N/A																																																									
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59	42120 - Planted Jack Pine	Poletimber Well	41.4	36	51-80	N/A	Planted jack pine with multiple small pockets of aspen and cherry.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	4130 - Aspen	Poletimber Well	9.4	55	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		3	Log/Pole	12		Jack Pine	
Jack Pine		5	Pole/Sapling	6		Pin Cherry	
Quaking Aspen		92	Pole	7	55	Black/Red (Hybrid) Oak	
						Red Pine	
						Density	
						Avg. Height	
						Size	
61	42110 - Planted Red Pine	Poletimber Well	33.5	36	51-80	N/A	There are some open areas in the middle of the stand that have open grown pine and cherry.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		85	Pole/Sapling	7	36	Pin Cherry	
Jack Pine		10	Pole/Sapling	6			
Pin Cherry		5	Sapling/Pole	4			
						Density	
						Avg. Height	
						Size	
62	42120 - Planted Jack Pine	Poletimber Well	17.8	36	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		98	Pole/Sapling	5	36	White Oak	
Pin Cherry		1	Pole/Sapling	5		Black/Red (Hybrid) Oak	
Quaking Aspen		1	Sapling/Pole	4		Pin Cherry	
						Density	
						Avg. Height	
						Size	
63	42120 - Planted Jack Pine	Sapling Well	37.9	15	Immature	N/A	There is an aspen patch of about an acre in the NW part of the stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		88	Sapling	2	15		
Pin Cherry		5	Sapling	3			
Black/Red (Hybrid) Oak		3	Sapling/Pole	3			
White Oak		1	Sapling/Pole	3			
Quaking Aspen		3	Sapling	2			
64	42120 - Planted Jack Pine	Sapling Well	65.4	21	Immature	N/A	Seeded 1998, then planted 2001.
Canopy Species		% Cover	Size Class	DBH	Age		
Pin Cherry		5	Sapling/Pole	4			
Black/Red (Hybrid) Oak		1	Sapling/Pole	3			
White Oak		1	Sapling/Pole	4			
Jack Pine		92	Sapling/Pole	4	21		
Quaking Aspen		1	Sapling/Pole	4			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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65	4130 - Aspen	Poletimber Well	14.4	48	Unspecified	N/A	The north end of the stand is more open with wolfy oak and jack pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	7		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Quaking Aspen	7	Pole/Log	9		Red Maple	Low	Variable	Sapling
Black Cherry	1	Pole/Sap/Log	7					
Black/Red (Hybrid) Oak	5	Pole/Log	9					
Bigtooth Aspen	80	Pole/Log	9	48				
Red Pine	1	Log/Pole	13					
Jack Pine	1	Pole/Log	9					

66	42120 - Planted Jack Pine	Sapling Well	38.9	15	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	5	Sapling	3		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	5	Sapling	3					
Red Pine	1	Pole/Sapling	5					
Jack Pine	89	Sapling	2	15				

67	42220 - Natural Jack Pine	Poletimber Well	5.9	60	81-110	N/A	Small stand of natural jack pine. Harvest when adjacent plantation to the south is ready.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1	Log/Pole	10		Pin Cherry	Medium	5 - 10 feet	Sapling
Jack Pine	96	Pole/Log/Sap	7	60	Black/Red (Hybrid) Oak	Low	Variable	Sapling
Black/Red (Hybrid) Oak	2	Pole	7					
Pin Cherry	1	Pole/Sapling	5					

68	4130 - Aspen	Poletimber Well	27.6	46	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	1	Sapling/Pole	4		Pin Cherry	Low	Variable	Sapling
Bigtooth Aspen	46	Pole	7		White Oak	Low	Variable	Sapling
Quaking Aspen	50	Pole	7	46	White Pine	Trace	>20 feet	Pole
Red Maple	2	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Black/Red (Hybrid) Oak	1	Pole/Sapling	6					

69	42120 - Planted Jack Pine	Poletimber Well	80.7	36	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	93	Pole/Sapling	5	36	Pin Cherry	Low	5 - 10 feet	Sapling
Black Cherry	2	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Quaking Aspen	5	Pole/Sapling	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70 42221 - Natural Jack Pine, Mixed Deciduous Poletimber Well 29.9 36 1-50 N/A Jack pine stand mixed with poor quality aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	5	Pole/Sapling	5		Jack Pine	Low	Variable	Sapling
Jack Pine	70	Pole/Sap/Log	7	36	Pin Cherry	Low	Variable	Sapling
Quaking Aspen	25	Pole/Sap/Log	6		Quaking Aspen	Low	5 - 10 feet	Sapling

71 4131 - Aspen, Oak Sapling Well 15.1 18 Immature N/A White oak left after harvest mainly in the SE third of the stand. Areas of heavy cherry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Sapling	2		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Pin Cherry	30	Sapling	1	18				
Jack Pine	3	Sapling	2					
Red Maple	2	Sapling	2					
Quaking Aspen	40	Sapling	3	18				
White Oak	15	Log/Pole	13					

72 4130 - Aspen Poletimber Well 40.4 32 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	8	Sapling/Pole	4		Red Maple	Medium	Variable	Sapling
Quaking Aspen	9	Sapling/Pole	4		Pin Cherry	Low	Variable	Sapling
Bigtooth Aspen	78	Pole/Sapling	5	32	Beech	Trace	Variable	Sapling
Red Oak	5	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
					White Oak	Low	10 - 20 feet	Sapling

73 4199 - Other Mixed Upland Deciduous Sapling Well 153.5 16 Immature N/A Large oak stand that was cut 2 entries ago and all the white oak was left. Areas dominated by red maple stump sprouts. Stand may need to be split up during future inventory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	25	Log/Pole	12		White Oak	Low	< 5 feet	Sapling
Pin Cherry	5	Sapling	2		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Pine	1	Pole/Log	8		Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	2	Sapling	1					
Bigtooth Aspen	27	Sapling	2	16				
Red Maple	35	Sapling	2	16				
White Pine	1	Log/Pole	10					
White Oak	4	Sapling	1					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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74 4123 - Red Oak Sawtimber Well 21.6 90 111-140 N/A Nice quality red oak stand mixed with red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	27	Log/Pole	10		Witch Hazel	Medium	10 - 20 feet	Tall Shrub
Red Oak	65	Log/Pole	12	90	Red Maple	Low	>20 feet	Sapling
White Oak	2	Log/Pole	10					
Bigtooth Aspen	5	Log	12					
Red Pine	1	Log/Pole	13					

75 4130 - Aspen Sawtimber Well 12.3 90 111-140 N/A Large overmature bigtooth aspen mixed with red oak and red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	18	Log/Pole	13		Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	75	Log	14	90	Witch Hazel	Low	10 - 20 feet	Tall Shrub
Red Maple	7	Pole/Log	8					

76 4130 - Aspen Sapling Medium 55.4 7 Immature N/A Cut in 2015

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Sapling	1	7
Pin Cherry	20	Sapling	2	7
Red Maple	5	Sapling	1	7
White Oak	7	Log/Pole/Sap	12	
Jack Pine	1	Sapling	1	
Black/Red (Hybrid) Oak	7	Sapling	1	

77 4130 - Aspen Sapling Well 23.9 17 Immature N/A Stand was clearcut in 2005. Scattered patches with no regeneration. Scattered jack pine regen in pockets.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	10	Sapling	3	
Black Cherry	5	Sapling	2	
Quaking Aspen	80	Sapling	2	17
Black/Red (Hybrid) Oak	5	Sapling	2	

78 4130 - Aspen Poletimber Well 19.3 28 Immature N/A Stand was clearcut in 1994. Aspen with mixed upland deciduous.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	3	Sapling	3		Pin Cherry	Low	Variable	Sapling
Black Cherry	8	Sapling/Pole	3		White Oak	Low	Variable	Sapling
Bigtooth Aspen	5	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Pine	3	Log/XLog	16					
Red Maple	2	Pole/Sapling	5					
Quaking Aspen	70	Pole/Sapling	5	28				
White Oak	1	Pole/Sapling	5					
Black/Red (Hybrid) Oak	8	Sapling/Pole	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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79 42110 - Planted Red Pine Sawtimber Well 34.0 82 111-140 N/A Quality red pine on a good site. Heavy oak understory. Stand was prescribed in 1993 to remove merchantable species other than red pine and oak. Thinned in the fall 2016 under sale #71-036-13-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	1	Log	14		Red Maple	Low	Variable	Sapling
Red Pine	99	Log/Pole	12	82	Black/Red (Hybrid) Oak	High	Variable	Sapling
					Beech	Low	5 - 10 feet	Sapling
					Black Cherry	Low	Variable	Sapling
					White Oak	Low	Variable	Sapling
					Red Pine	Trace	< 5 feet	Sapling

80 4130 - Aspen Poletimber Well 65.3 28 Immature N/A Stand was clearcut 1994. Small area of older log size red maple, bigtooth aspen, and oak along power lines.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling/Pole	4	28	Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	70	Pole/Sapling	6	28	Red Oak	Low	>20 feet	Sapling
Quaking Aspen	20	Pole/Sapling	5	28	Serviceberry (Juneberry)	Low	10 - 20 feet	Tall Shrub
Red Oak	2	Sapling/Pole	3	28	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Paper Birch	1	Sapling	3					
Black Cherry	2	Sapling/Pole	4					

81 6220 - Alder/willow Nonstocked 10.0 No Old beaver flooding. Tag alder with some paper birch.

82 500 - Water Nonstocked 1.0 No Small old beaver pond.

83 4130 - Aspen Poletimber Well 67.5 45 141-170 N/A Stand is even aged aspen. Small scattered wet pockets with alder and willow.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	1	Pole	7		Tag Alder	Trace	10 - 20 feet	Tall Shrub
Black Cherry	2	Pole/Sapling	5		Northern White Cedar	Trace	>20 feet	Pole
Paper Birch	1	Sapling/Pole	4		Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	60	Pole	7	45	Autumn Olive	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	31	Pole/Sapling	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Pole/Sapling	5		Beech	Trace	10 - 20 feet	Sapling
					Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
					Willow spp.	Trace	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
84	4199 - Other Mixed Upland Deciduous	Sapling Medium	4.9	17	Immature	N/A	Stand was clearcut in 2005. Small pond in central part of stand. Autumn olive present.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Oak		5	Sapling	2		Autumn Olive	
Red Pine		1	Pole	5		Low	
Willow spp.		5	Sapling	2		5 - 10 feet	
Pin Cherry		72	Sapling	3	17	Tall Shrub	
White Ash		1	Sapling	3			
Red Maple		10	Sapling/Pole	3			
Quaking Aspen		5	Sapling	2			
Jack Pine		1	Sapling	2			
85	4130 - Aspen	Sapling Well	5.2	17	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Pin Cherry		14	Sapling	2		Black/Red (Hybrid) Oak	
Black/Red (Hybrid) Oak		1	Sapling	2		Low	
Quaking Aspen		85	Sapling	2	17	Variable	
						Sapling	
						White Oak	
						Trace	
						10 - 20 feet	
						Sapling	
86	4130 - Aspen	Poletimber Well	45.2	46	141-170	N/A	Stand of mixed aspen. There is a small patch of mature oak on the east side near powerline. A couple large old red pine and white pine throughout the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		2	Pole/Sapling	5		Pin Cherry	
Quaking Aspen		58	Pole/Log	9	46	Low	
Red Oak		2	Pole/Sap/Log	7		Variable	
Bigtooth Aspen		38	Pole/Log	9		5 - 10 feet	
						Tall Shrub	
						White Pine	
						Trace	
						>20 feet	
						Pole	
						Black/Red (Hybrid) Oak	
						Low	
						>20 feet	
						Sapling	
						Red Maple	
						Medium	
						>20 feet	
						Sapling	
						Quaking Aspen	
						Low	
						< 5 feet	
						Sapling	
87	3102 - Grass	Nonstocked	3.3			Managed Opening	
88	4132 - Aspen, Jack Pine	Sapling Well	36.9	18	Immature	N/A	Mixed stand of aspen, jack pine and cherry. Some open understocked areas.
Canopy Species		% Cover	Size Class	DBH	Age		
White Oak		2	Sapling	2			
Quaking Aspen		43	Sapling	2	18		
Black/Red (Hybrid) Oak		5	Sapling	1			
Jack Pine		35	Sapling	3			
Pin Cherry		15	Sapling	3			
89	42220 - Natural Jack Pine	Sawtimber Well	1.9	90	51-80	N/A	Tucker Cemetary, Rose Township. Old jack pine with a few red pine.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		1	Log/XLog	15			
Jack Pine		99	Log/Pole	10	90		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
90	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	30.4	16	Immature	N/A	Some patches and clones of aspen mixed in with the jack pine plantation.																																													
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91	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	53.3	42	51-80	N/A	Plantation jack pine with pockets of aspen.																																													
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93	4130 - Aspen	Sapling Well	8.0	7	Immature	N/A	cut in 2015																																													
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94	4130 - Aspen	Poletimber Well	61.1	36	81-110	N/A																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
96	4130 - Aspen	Poletimber Well	9.9	53	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		88	Pole/Sap/Log	7	53	Red Maple	Medium	>20 feet	Sapling
Red Oak		5	Pole/Sapling	6		White Oak	Low	Variable	Sapling
Red Maple		7	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
97	4126 - White, Black, N. Pin Oak	Sawtimber Well	6.6	90	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		50	Log/Pole	12	90	Red Pine	Low	Variable	Sapling
Red Maple		7	Pole/Sap/Log	7		Red Maple	Low	Variable	Sapling
Bigtooth Aspen		1	Pole/Log	9		White Oak	Medium	Variable	Sapling
Red Pine		5	Log/Pole	12		Witch Hazel	Medium	10 - 20 feet	Tall Shrub
White Oak		34	Log/Pole	12					
Red Oak		3	Log/Pole	12					
98	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	23.6	90	111-140	N/A	Black and white oak stand with plantation white pine working its way into the canopy. Planting card indicated it was understory planted in the spring of 1969 at 500 tpa. Most white pine is pole timber size. Northern and southern portions of the stand have more white pine in the canopy than the middle. No weevil problems. Hold until white pine is more merchantable then manage for an oak and pine mix.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		30	Pole/Sapling	6		White Pine	Medium	Variable	Sapling
Red Pine		5	Pole/Log	8		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen		1	Pole/Log	8					
Red Maple		5	Pole/Sapling	6					
Black/Red (Hybrid) Oak		34	Log/Pole	12	90				
99	4123 - Red Oak	Sawtimber Well	180.0	95	111-140	N/A	Stand of high quality red oak mixed with red maple and bigtooth aspen. Bigtooth is found scattered and in large clones. The north end has more aspen, the south end has more maple. Topography is made up of hills and ridges.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		15	Log/Pole	12		Red Maple	Low	>20 feet	Sapling
White Pine		1	Log/Pole	13		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Pine		2	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple		15	Pole/Log	8		White Pine	Low	Variable	Sapling
Red Oak		50	Log/Pole/XLog	14	95	White Oak	Trace	Variable	Sapling
White Oak		10	Log/Pole	12					
Black/Red (Hybrid) Oak		7	Log/Pole	12					
100	4199 - Other Mixed Upland Deciduous	Poletimber Well	44.5	36	51-80	N/A	Stand of oak and aspen with maple. Areas of almost solid red oak stump sprout origin poletimber.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		23	Sapling/Pole	3		Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen		37	Pole/Sapling	5	36	White Oak	Low	5 - 10 feet	Sapling
Red Oak		40	Pole/Sapling	5	36	Witch Hazel	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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101 4131 - Aspen, Oak Poletimber Well 19.6 47 51-80 N/A Steep hilly terrain.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Oak	25	Pole	7		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Maple	15	Pole/Sapling	5		Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	59	Pole	7	47				

102 42110 - Planted Red Pine Poletimber Well 18.6 53 141-170 N/A Low end of average BA range. East side has smaller diameters and is mixed with other species. West side is a more classic plantation with solid red pine. Re evaluate next entry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Log/Pole	12		Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Pine	5	Pole/Log	9		White Pine	Low	Variable	Sapling
Red Pine	87	Pole/Log	8	53	Red Pine	Low	Variable	Sapling
White Oak	3	Log/Pole	12		Pin Cherry	Low	Variable	Sapling

103 42220 - Natural Jack Pine Sapling Medium 2.6 28 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	1	Log/Pole	10	
Jack Pine	90	Sapling	3	28
Pin Cherry	4	Sapling	2	
Black/Red (Hybrid) Oak	5	Sapling	2	

104 42220 - Natural Jack Pine Poletimber Well 39.3 36 51-80 N/A Northeastern quarter of the stand is much more open than the rest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	2	Sapling/Pole	4		Black/Red (Hybrid) Oak	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	3	Sapling/Pole	4		Pin Cherry	Low	Variable	Sapling
Jack Pine	85	Pole/Sapling	6	36				
Pin Cherry	5	Sapling/Pole	4					
Red Pine	5	Log/Pole	10					

105 4132 - Aspen, Jack Pine Poletimber Medium 2.0 40 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Pole/Sapling	6	40	Pin Cherry	Low	10 - 20 feet	Sapling
Jack Pine	20	Pole/Sapling	5					
Pin Cherry	20	Sapling/Pole	4					

107 4130 - Aspen Sapling Well 31.4 7 Immature N/A Cut in the fall of 2015

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Sapling	1		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Pine	1	Log	16		Jack Pine	Low	< 5 feet	Sapling
Pin Cherry	10	Sapling	1					
Quaking Aspen	84	Sapling	1	7				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
108	3102 - Grass	Nonstocked	5.6			Managed Opening	

109	4199 - Other Mixed Upland Deciduous	Sapling Well	44.1	38	1-50	N/A	North third of the stand has more pole sized aspen, red maple, and oak.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	XLog/Log	18	
Black/Red (Hybrid) Oak	36	Sapling/Pole/Log	4	38
Red Pine	8	Log/Pole/XLog	15	
Red Maple	10	Sapling/Pole/Log	4	
Pin Cherry	15	Sapling	3	
Jack Pine	5	Pole/Sapling	6	
White Oak	10	Sapling/Pole	4	
Quaking Aspen	15	Sapling/Pole/Log	4	

110	4130 - Aspen	Poletimber Well	31.5	38	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Log/Pole	13	
Red Pine	2	Log/Pole	13	
Red Maple	8	Pole/Sapling	5	
Bigtooth Aspen	86	Pole/Log/Sap	7	38
Red Oak	1	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Witch Hazel	Low	Variable	Tall Shrub
White Oak	Low	Variable	Sapling
Black/Red (Hybrid) Oak	Low	Variable	Sapling

111	4139 - Aspen, Mixed Deciduous	Sapling Well	36.0	25	Immature	N/A	About half is aspen and half is pockets of maple and oak.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	27	Sapling/Pole	3	
Bigtooth Aspen	50	Sapling/Pole	3	25
White Pine	4	Pole	7	
Pin Cherry	5	Sapling/Pole	3	
Red Pine	1	Pole	7	
White Oak	3	Sapling/Pole	3	
Red Oak	10	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub

112	42110 - Planted Red Pine	Sawtimber Well	3.4	72	171-200	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	10	72

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	< 5 feet	Sapling
White Pine	Trace	Variable	Sapling

113	3102 - Grass	Nonstocked	3.5		Unspecified	Managed Opening	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
114	4139 - Aspen, Mixed Deciduous	Poletimber Well	21.0	48	81-110	N/A	Mixed stand of aspen, red maple and birch. Some scattered red pine especially on west side. A pocket of white pine and small bogs present.																																																
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115	42220 - Natural Jack Pine	Poletimber Well	6.2	62	81-110	N/A	High water table jack pine (possible clay lens) with some red pine mixed in and some tag alder in understory.																																																
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117	6220 - Alder/willow	Nonstocked	4.0			No	Tag alder with some aspen and jack pine mostly around the perimeter.																																																
118	42110 - Planted Red Pine	Sawtimber Well	7.7	62	171-200	N/A																																																	
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119	3102 - Grass	Nonstocked	8.2		Unspecified	Managed Opening	Managed Wildlife Opening																																																
120	4126 - White, Black, N. Pin Oak	Sawtimber Well	4.7	90	51-80	N/A	Somewhat low density oak stand with a good understory of oak and red maple. Maple is advanced and is making it into canopy. Most oak understory is white oak. No priority in harvesting or regenerating. White oak is in good shape.																																																
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121	310 - Herbaceous Openland	Nonstocked	12.5	0		4211 - Planted Red Pine	Cut in spring of 2016. Planted to red pine in 2017 FTP C71-953. Spring 2018 check revealed low survival and closed trenches with moderate competition. 2019 check revealed poor survival and no trenches. Would have to be retrenched and replanted so decided to drop further treatments and let regenerate naturally. Still not enough regen taller than 3 ft to make it forested. Includes a couple rows of trees on either side of a small drainage that was left during harvest.																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
122	4130 - Aspen	Poletimber Well	7.4	48	81-110	N/A	Small pocket of poletimber quaking aspen. Reevaluat next entry for regenerating.																																																												
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123	4119 - Mixed Northern Hardwoods	Sapling Well	25.1	12	Immature	N/A	Only 13.3 of the 25 acres were treated. Trenched in 2011; Planted to red pine in 2012 and replanted with red pine in 2014 Stand was cut out of entry for the red pine project. Clearcut a stand of red pine that was thinned and had heavy advanced hardwood competition. heavy hardwood competition.																																																												
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125	42290 - Natural Mixed Pine	Poletimber Well	12.1	57	81-110	N/A	Jaxk pine is concentrated in the noethern and western parts od the stand the white pine is in the east and central areas. Decent amounts of advanced black and white oak and red maple in understory of the jack pine.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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126 4199 - Other Mixed Upland Deciduous Sapling Well 18.8 30 Immature N/A Northern tip is grassy and open. Trace amounts of oak logs.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	17	Sapling	3	
Pin Cherry	60	Sapling/Pole	4	30
White Oak	2	Sapling/Pole	4	
White Pine	3	Pole/Sap/Log	7	
Jack Pine	1	Pole/Sapling	6	
Red Maple	16	Sapling/Pole	4	
Red Pine	1	Log/Pole	10	

127 4130 - Aspen Sapling Medium 6.5 7 Immature N/A Cut in 2015

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	1	7
Quaking Aspen	72	Sapling	1	7
Black/Red (Hybrid) Oak	1	Log	15	
White Oak	5	Log	15	
Pin Cherry	5	Sapling	1	
Quaking Aspen	1	Log/Pole	10	
Red Pine	1	Log	14	

128 4124 - Red with White Oak Sawtimber Medium 36.9 95 51-80 N/A Some of the regenerating maple and aspen has reached the canopy level, but most is still in the understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	50	Log	15	95	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	20	Log	15		Red Maple	Full	>20 feet	Sapling
Bigtooth Aspen	14	Sapling/Pole	4	25	Pin Cherry	Low	Variable	Sapling
Paper Birch	1	Log/Pole	10		White Oak	Low	Variable	Sapling
Red Pine	1	Log/Pole	12		Bigtooth Aspen	Medium	>20 feet	Sapling
Red Maple	14	Pole/Sapling	5	25	Red Pine	Trace	>20 feet	Pole

129 4124 - Red with White Oak Sawtimber Well 78.0 95 111-140 N/A Nice stand of good quality oak, especially on south 2/3 of stand. North end has lower quality soils and timber. Hold till next entry and then reevaluate. Not a priority to regenerate.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Log/Pole	12		Witch Hazel	Medium	10 - 20 feet	Tall Shrub
Red Maple	10	Pole/Log	8		White Oak	Low	Variable	Sapling
Red Oak	45	Log/Pole	12	95	White Pine	Low	Variable	Sapling
White Oak	20	Log/Pole	12		Bigtooth Aspen	Low	< 5 feet	Sapling
Bigtooth Aspen	20	Log/Pole	12		Red Maple	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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130 4199 - Other Mixed Upland Deciduous Sapling Medium 13.9 7 Immature N/A Cut in 2015

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	30	Sapling	1	7	Witch Hazel	Low	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	30	Sapling	1	7				
White Oak	20	Log/Pole	12					
Pin Cherry	5	Sapling	1	7				
Red Maple	5	Sapling	1	7				
Red Pine	10	Log/Pole	12					

131 4126 - White, Black, N. Pin Oak Sapling Well 29.3 18 1-50 N/A Oak clearcut from two entries ago. White oak was left. Heavier white oak sawtimber on east side.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	3	Sapling	2	
Black/Red (Hybrid) Oak	40	Sapling	2	18
Jack Pine	5	Sapling	2	
White Oak	39	Log/Pole	10	95
Red Pine	1	Sapling	3	
White Oak	10	Sapling	2	
Red Maple	2	Sapling	2	

132 4130 - Aspen Poletimber Well 13.8 54 81-110 N/A A few scattered white pine, red pine, and jack pine that don't equal 1% of the stand of any one species.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	1	Pole/Sapling	5		Red Maple	Medium	>20 feet	Sapling
White Oak	1	Pole/Sapling	5		Pin Cherry	Low	Variable	Sapling
Bigtooth Aspen	70	Pole	7	54	Witch Hazel	Low	10 - 20 feet	Tall Shrub
Red Oak	10	Pole	7					
Red Maple	18	Pole/Sapling	6					

133 42120 - Planted Jack Pine Sapling Well 40.3 16 Immature N/A Cut 2004, planted 2006. Jack pine plantation with some hardwoods mixed in. Aspen clone on SE side.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Sapling	2		White Oak	Medium	Variable	Sapling
Jack Pine	83	Sapling	3	16	Black/Red (Hybrid) Oak	Low	Variable	Sapling
Pin Cherry	2	Sapling	2					
Bigtooth Aspen	5	Sapling	3					
White Oak	3	Sapling	2					
Red Maple	2	Sapling	2					

134 42110 - Planted Red Pine Sawtimber Well 21.3 53 141-170 N/A Cut in the spring of 2016

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log/Pole	10	53	White Oak	Medium	Variable	Sapling
					Black/Red (Hybrid) Oak	Low	Variable	Sapling
					Pin Cherry	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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135	310 - Herbaceous Openland	Nonstocked	2.6			Managed Opening	
136	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	52.3	23	1-50	N/A	Red pine plantation with heavy oak and cherry competition. Some areas seem to be unplanted. Planted red pine 1999 FTP C. 71-609

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	17	Sapling/Pole	3	
Red Pine	59	Pole/Sapling	5	23
Jack Pine	5	Sapling/Pole	4	
Pin Cherry	17	Sapling/Pole	3	
White Oak	1	Sapling/Pole	4	
Red Maple	1	Pole/Sapling	6	

137	310 - Herbaceous Openland	Nonstocked	2.8			Managed Opening	
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138	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	21.3	5	Immature	N/A	Cut in the spring of 2016. Planted to jack pine in 2017.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	1	Log/Pole	12	
Black/Red (Hybrid) Oak	39	Sapling	1	6
Jack Pine	40	Sapling	1	5
Pin Cherry	20	Sapling	2	6

140	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	140.9	15	Immature	N/A	Trenched 2006, planted 2007. Some areas with good aspen or oak regeneration were planted around according to FTP completion report.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Sapling	2	
Bigtooth Aspen	8	Sapling	2	
Black/Red (Hybrid) Oak	15	Sapling	2	
Pin Cherry	5	Sapling	2	
Jack Pine	69	Sapling	3	15

141	6124 - Lowland Spruce-Fir	Poletimber Medium	3.8	88	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	30	Pole	6	88	Tag Alder	Medium	Variable	Tall Shrub
Northern White Cedar	5	Pole/Log	8		White Pine	Low	Variable	Sapling
Black Spruce	25	Pole	7		Balsam Fir	Low	Variable	Sapling
White Pine	10	XLog/Log	18					
Tamarack	25	Pole	7					
Red Maple	5	Log/Pole	11					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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142 4131 - Aspen, Oak Poletimber Well 84.5 45 51-80 N/A Aspen oak stand. Most oak is from stump sprout origin. Pine is mostly around the edges and corners of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Pole/Log	8		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Pole/Sapling	5	45	Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
White Oak	1	Pole/Sapling	6		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen	55	Pole	7	45	Balsam Fir	Trace	Variable	Sapling
Jack Pine	3	Pole/Log	8					
Black/Red (Hybrid) Oak	30	Pole	7	45				
White Pine	1	Pole/Log	8					

143 4130 - Aspen Poletimber Well 21.1 45 51-80 N/A Bigtooth aspen stand with some oak and a few pine mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	4	Pole	6	45	Red Maple	Medium	Variable	Sapling
Red Pine	2	Pole/Sap/Log	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	90	Pole/Sapling	6	45				
Red Maple	4	Pole/Sapling	5	45				

144 4130 - Aspen Poletimber Well 20.5 56 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1	Pole/Sapling	5		Pin Cherry	Low	Variable	Sapling
Red Pine	1	Log/Pole	10		White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	1	Pole	6	56	Red Maple	Low	Variable	Sapling
White Pine	2	Log/Pole	12		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Bigtooth Aspen	95	Pole	7	56				

145 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 34.3 55 51-80 N/A Two aged stand resulting from wildfire. Older age classes of oak and pine survived the fire. Younger oak that regenerated from the fire is just entering pole timber size.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Pole/Log	8	97	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	34	Pole/Sap/Log	7	55	Black/Red (Hybrid) Oak	Low	Variable	Sapling
Bigtooth Aspen	15	Pole/Log	8	55	White Oak	Low	Variable	Sapling
Red Pine	15	Pole/Log	9	97				
White Pine	1	Pole	7					
Jack Pine	15	Pole/Log	8	55				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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146 42290 - Natural Mixed Pine Poletimber Well 91.6 55 81-110 N/A Jack pine pole timber stand with both red and white pine mixed in. Some older classes of pine present. More of an oak component as you move to the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	50	Pole/Log/Sap	7	55	Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Oak	10	Pole/Log	8		White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	15	Pole/Log	8		White Oak	Low	Variable	Sapling
White Pine	5	Pole/Log	8					
Red Pine	20	Pole/Log	9					

150 310 - Herbaceous Openland Nonstocked 20.4 Land split off for MSP radio tower site. North half is 17 year old aspen and south half is 41 year old jack pine.

151 4199 - Other Mixed Upland Deciduous Sapling Well 116.3 21 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	35	Sapling	2	21
Red Maple	5	Sapling	1	21
Jack Pine	10	Sapling	3	21
Black/Red (Hybrid) Oak	40	Sapling	2	21
Pin Cherry	5	Sapling	2	21
White Oak	3	Sapling	2	
White Pine	1	Sapling/Pole	4	
Red Pine	1	Sapling	3	

152 790 - Other Bare/Sparsely Vegetated Nonstocked 5.4 oil/gas infrastructure

153 4125 - Black, N. Pin Oak Poletimber Well 8.9 55 1-50 N/A Mixed oak and aspen stand with some older red pine mixed in. Aspen is on the west side.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	50	Pole/Sapling	5	55	Red Maple	Low	Variable	Sapling
Red Pine	13	Log/Pole	10		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Jack Pine	5	Pole/Sapling	6					
Red Maple	5	Sapling/Pole	3					
White Oak	14	Pole/Sapling	5					
Bigtooth Aspen	13	Pole/Sapling	5					

154 42220 - Natural Jack Pine Sapling Well 53.1 28 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	21	Sapling/Pole	3		Northern Pin Oak	Low	< 5 feet	Sapling
White Oak	2	Sapling/Pole	4					
White Pine	1	Pole/Sapling	6					
Red Pine	5	Pole/Sapling	5					
Jack Pine	70	Sapling/Pole	3	28				
Red Maple	1	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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155 42110 - Planted Red Pine Sawtimber Well 11.6 102 81-110 N/A Red pine stand that was thinned at some prior entry period. The east side has a higher density than the west. Good advanced oak regeneration in the understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log/Pole	11	102	White Oak	Low	Variable	Sapling
					Northern Pin Oak	Medium	Variable	Sapling
					Red Maple	Low	>20 feet	Sapling
					Red Pine	Low	Variable	Sapling

156 4191 - Mixed Upland Deciduous with Conifer Sapling Well 38.6 28 Immature N/A Mix of oak and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	Pole/Sapling	6	
Northern Pin Oak	45	Sapling	3	28
Bigtooth Aspen	10	Sapling	1	28
Jack Pine	35	Sapling	3	28
Red Pine	4	Sapling/Pole	3	
Red Maple	5	Sapling/Pole	2	28

157 42220 - Natural Jack Pine Poletimber Well 9.7 55 51-80 N/A Natural (fire generated) jack pine stand with some bigtooth aspen mixed in especially on the east end. Some super canopy red pine found throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Pole	6		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Pine	15	Log/Pole	13					
Jack Pine	78	Pole/Sapling	5	55				
Black/Red (Hybrid) Oak	1	Pole/Sapling	5					
White Oak	1	Pole	6					

158 4130 - Aspen Poletimber Well 61.1 55 81-110 N/A Aspen stand with both quaking aspen and bigtooth aspen and some sawtimber red pine veins. Most quaking aspen is found in south end. Far east arm has more of an oak component.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	45	Pole	8	55	Jack Pine	Low	Variable	Sapling
Bigtooth Aspen	33	Pole	8		White Pine	Low	Variable	Sapling
Northern Pin Oak	8	Pole/Sap/Log	6		Red Maple	Low	Variable	Sapling
Red Pine	8	Log/Pole	13		Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Pine	1	Log/Pole	13					
Jack Pine	5	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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159 4191 - Mixed Upland Deciduous with Conifer Sapling Well 37.4 21 Immature N/A NW part of stand is more open with with low amounts of jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Sapling	2	21
White Pine	1	Pole/Sapling	6	
Red Pine	1	Pole	6	
Northern Pin Oak	54	Sapling	2	21
Red Maple	2	Sapling	2	
Jack Pine	35	Sapling/Pole	3	21
Bigtooth Aspen	5	Sapling	2	21

160 4132 - Aspen, Jack Pine Poletimber Well 29.2 55 51-80 N/A Natural jack pine, oak and aspen stand from 1966 wildfire. Some older super canopy oak and pine present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	6		Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Oak	2	Log	14		Jack Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	1	Log	12		Red Pine	Low	Variable	Sapling
White Oak	5	Pole/Sapling	5		White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	5	Pole/Sapling	5		White Oak	Low	Variable	Sapling
Jack Pine	20	Pole/Sapling	6					
Bigtooth Aspen	65	Pole/Sapling	6	55				

161 4132 - Aspen, Jack Pine Poletimber Well 28.8 42 51-80 N/A Bigtooth aspen with some jack pine and oak. Some super canopy oak and pine present that survived the fire.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	7	Pole/Sap/Log	6		White Oak	Low	Variable	Sapling
Bigtooth Aspen	70	Pole/Sapling	6	42	White Pine	Low	Variable	Sapling
Jack Pine	23	Pole/Sap/Log	6	42	Black/Red (Hybrid) Oak	Low	Variable	Sapling

162 4191 - Mixed Upland Deciduous with Conifer Sapling Well 125.6 34 1-50 N/A Pin/black oak stand regenerated from Perry Holt fire. Stand has areas heavier to aspen. Some pockets of super canopy oak and pine are left that survived the fire.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	45	Sapling/Pole	3	34	Northern Pin Oak	Low	Variable	Sapling
White Oak	8	Log/Pole	12					
Jack Pine	20	Sapling/Pole	4					
White Oak	3	Sapling	3					
Red Pine	1	Log	14					
Black/Red (Hybrid) Oak	1	Log	14					
Red Maple	2	Sapling	3					
Bigtooth Aspen	20	Sapling/Pole	4					

163 310 - Herbaceous Openland Nonstocked 5.0 No Well plugged in 08/06/2003. Updated to reflect not "managed oil/gas". Foster 1-9 (EGLE permit 40876) was plugged/abandoned in 2003; oil/gas company is no longer responsible for restoring the well pad.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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164 4199 - Other Mixed Upland Deciduous Sawtimber Well 24.6 34 51-80 N/A

Previously an oak ridge that was burned in the Perry Holt fire. Fire scars are present on residual oak, heavy aspen and oak regeneration has now reached the canopy in most places.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	5		Black/Red (Hybrid) Oak	Medium	Variable	Sapling
Red Pine	1	Log	12		White Pine	Low	Variable	Sapling
Jack Pine	1	Pole	6		Red Maple	Low	Variable	Sapling
White Oak	24	Log	13	102	White Oak	Medium	Variable	Sapling
White Pine	1	Pole	7					
Bigtooth Aspen	38	Pole/Sapling	6	34				
White Oak	10	Pole/Sapling	5	34				
Black/Red (Hybrid) Oak	13	Pole/Sapling	6	34				
Black/Red (Hybrid) Oak	10	Log/Pole	12	102				