



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71080

Entry Year 2021

Acreage: 2,189

County Ogemaw

Management Area: Ogemaw Hills

Revision Date: 2019-06-14

Stand Examiner: Dale Ekdom

Legal Description:

T24N R01E Section 36, T24N R02E Section 31, T23N R01E Section 1, 2, 12, and 13, T23N R02E Section 6, 7, and 12

Identified Planning Goals:

Vegetation management in the Ogemaw Hills management area (MA) will provide timber products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on harvesting older jack pine, balancing the age-class distributions of oak and aspen and regenerating red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends within this 10-year planning period are the need to regenerate oak and red pine, continue to balance aspen age-class distributions, an expected increase in recreation pressure and continued wildfire prevention and suppression.

Soil and topography:

The terrain in the compartment is primarily flat to gently rolling except for Sections 12 and 13 which are more hilly with some steeper slopes. Soils on the upland areas are primarily Grayling and Graycalm sands. Soils on the lowland areas are Lupton mucks.

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

State ownership in the compartment is mostly in large blocks interspersed with large blocks of private property. Private property in the area consists of permanent residences on small parcels and acreages, permanent and seasonal residences around the adjacent lakes, and seasonal residences on acreages. There is a large YMCA camp centered on Piper Lake in Section 12.

Unique Natural Features:

Common Loons and Bald Eagle nesting sites on adjacent lands. Hills Thistle identified within the compartment. Allegheny plum on adjacent lands.

Archeological, Historical, and Cultural Features:

Archeological sites have been identified in the compartment.

Special Management Designations or Considerations:

Compartment is adjacent to the Damon Kirtland's Warbler Management Unit

Watershed and Fisheries Considerations:

Ambrose Lake and Townline Lake are within the compartment. Clear Lake, Piper Lake, Horseshoe Lake, and several smaller lakes are just outside the compartment.

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, bear, and turkeys as well as non-game species

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are located more than three miles to the southeast. There is likely good sand & gravel potential within the compartment on the uplands. The Rose City Field is located just to the northeast of the compartment. The field is undergoing secondary recovery operations currently and is unlikely to expand. Additional oil & gas development from Devonian formations and younger is unlikely in this area. A St. Peter Sandstone gas well is located one mile east of the compartment. The well was completed in 2008 but never produced. Potential for oil & gas beneath the compartment appears to be low at this time. There is one active mineral lease at the north end of the compartment associated with the Rose City field and is held by production. The state does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they

choose to explore or develop their mineral rights. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access to the compartment is good via county roads and forest roads as well as designated recreational trails.

Survey Needs:

Possible survey needs in Section 12 and 13 in Foster Township and Section 6 of Klacking Township to establish boundaries for timber sales.

Recreational Facilities and Opportunities:

Ambrose Lake State Forest Campground and ORV parking area is located in Section 1 and 12. The designated Ambrose Lake 50" ATV trail continues through much of the compartment. A small portion of Snowmobile Trail #642 leads from Piper Lake Road to the parking area on Fairview Road. The varying cover types offering hunting, gathering and water resources promote dispersed recreation.

Fire Protection:

Compartment is in the Zone 3 dispatch area and has a high wildland/urban interface. There are some areas with high hazard fuel types (jack pine) in and adjacent to the compartment, including Kirtland's Warbler plantations. This area of Ogemaw County has a history of large and complex fires. There are some natural and man-made fuel breaks to assist with fire suppression.

Additional Compartment Information:

An RDR related to illegal ORV use on hilly terrain has been identified in the SESE of Section 12.

The following reports from the Inventory are attached:

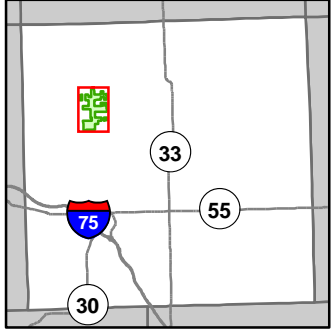
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

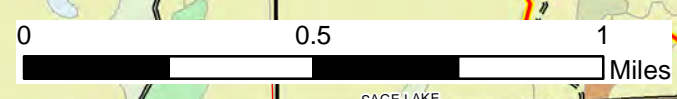
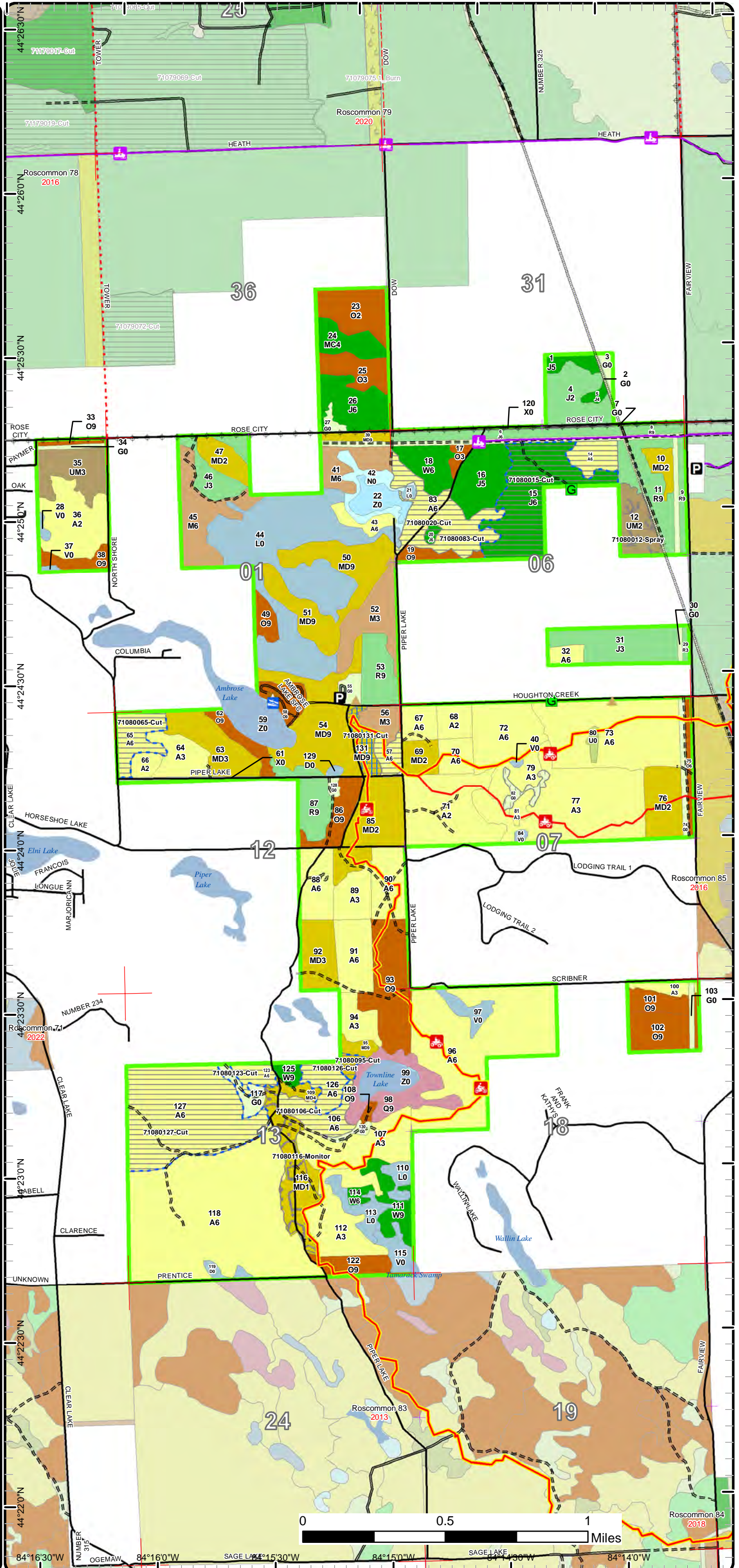
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 80
 T24N, R02E, Sec. 31
 T24N, R01E, Sec. 36
 T23N, R01E, Sec. 1-2, 12-13
 T23N, R02E, Sec. 7, 19
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 Unit: Roscommon
 Mgmt Area: Ogemaw Hills
 YOE: 2021
 Acres: 2,189 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 11/25/2019



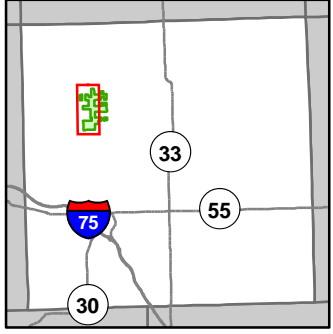
- Miris Corners
- ⊕ Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
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- 🚲 ORV Trails
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- Lake/Pond
- Lakes and Rivers
- ▲ Berms
- Ⓜ Gate
- 🚤 Boating Access Site
- 🏕 Campground
- 🅑 Parking Lot
- Pipeline
- ⚡ Powerline
- Compartment Boundary
- Treatments with Site Conditions
- ☒ Pesticide
- ☒ Clearcut (w/Reserves)
- ☒ Seed Tree (w/Reserves)
- ☒ Regeneration Survey
- ☒ Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



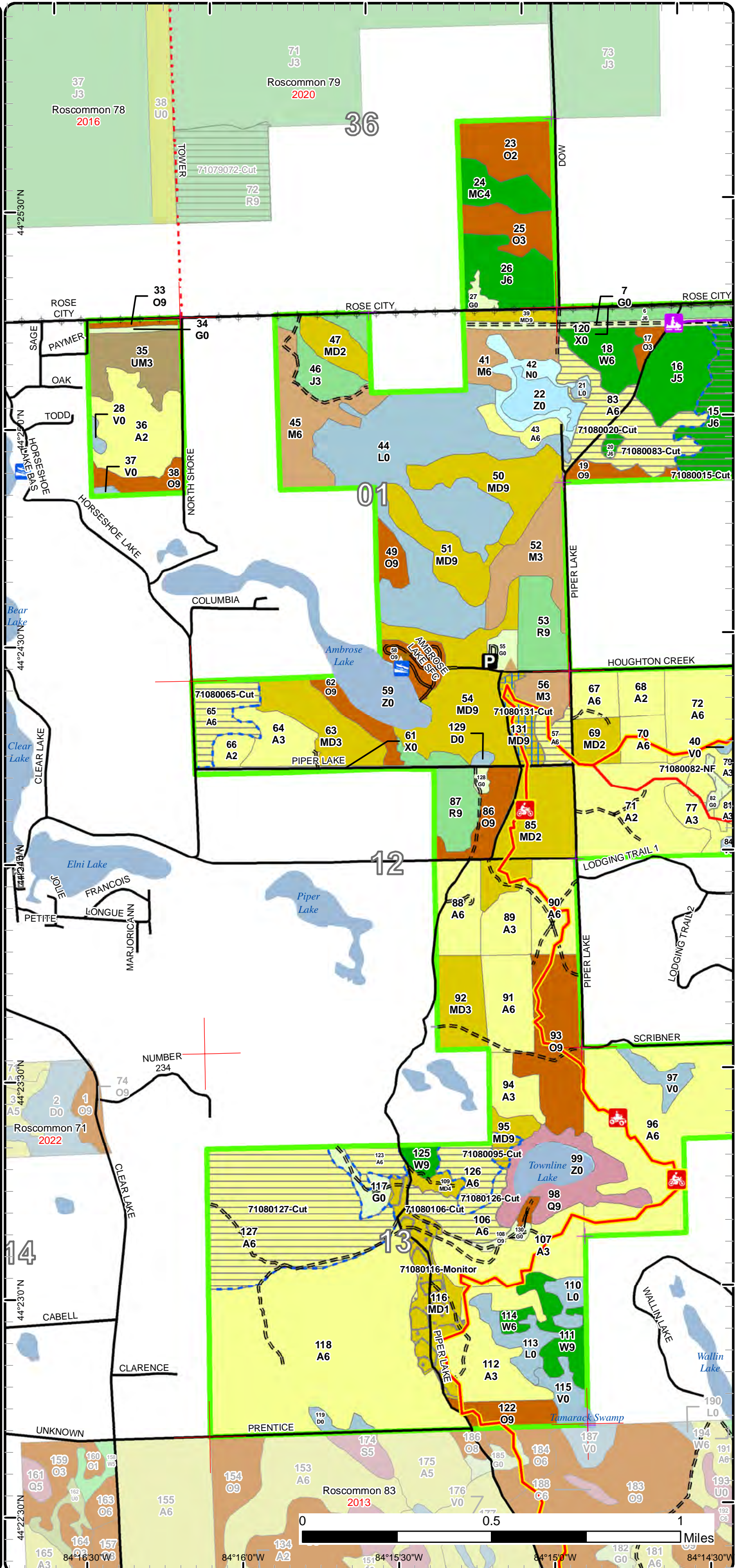
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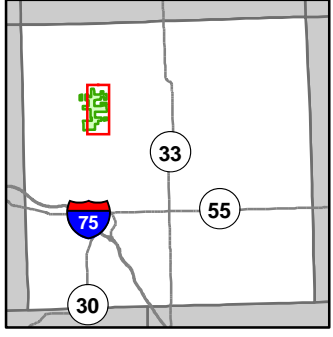
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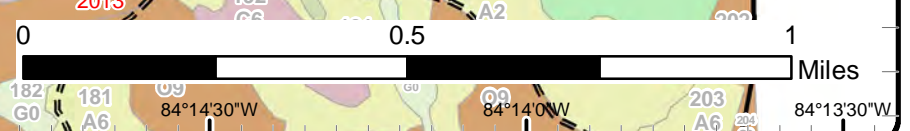
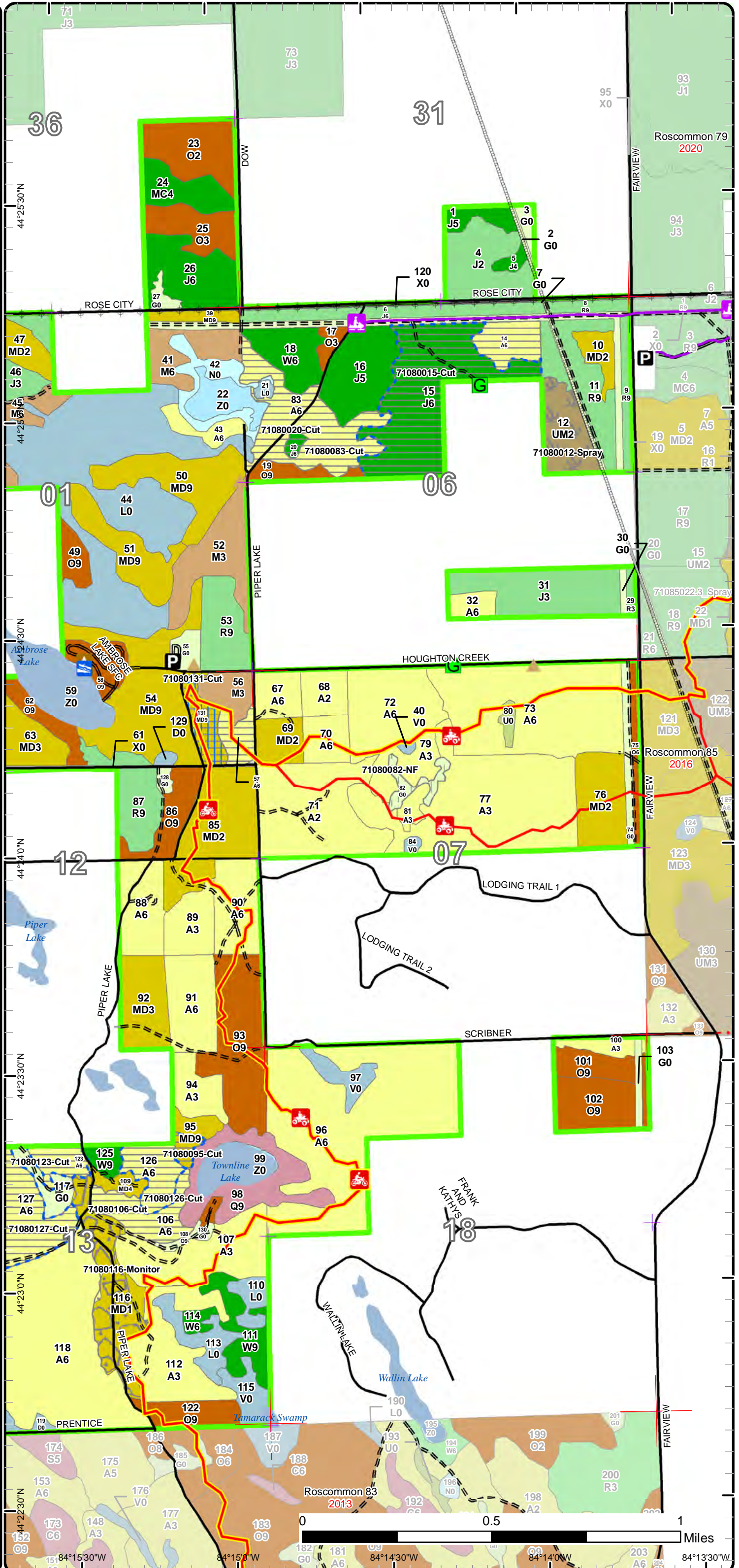
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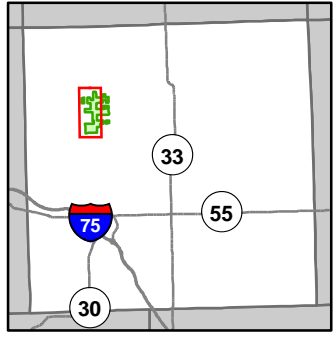


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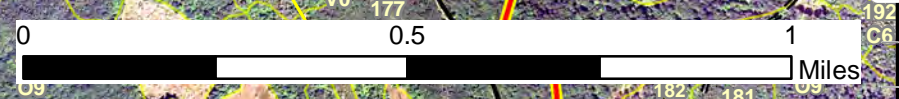
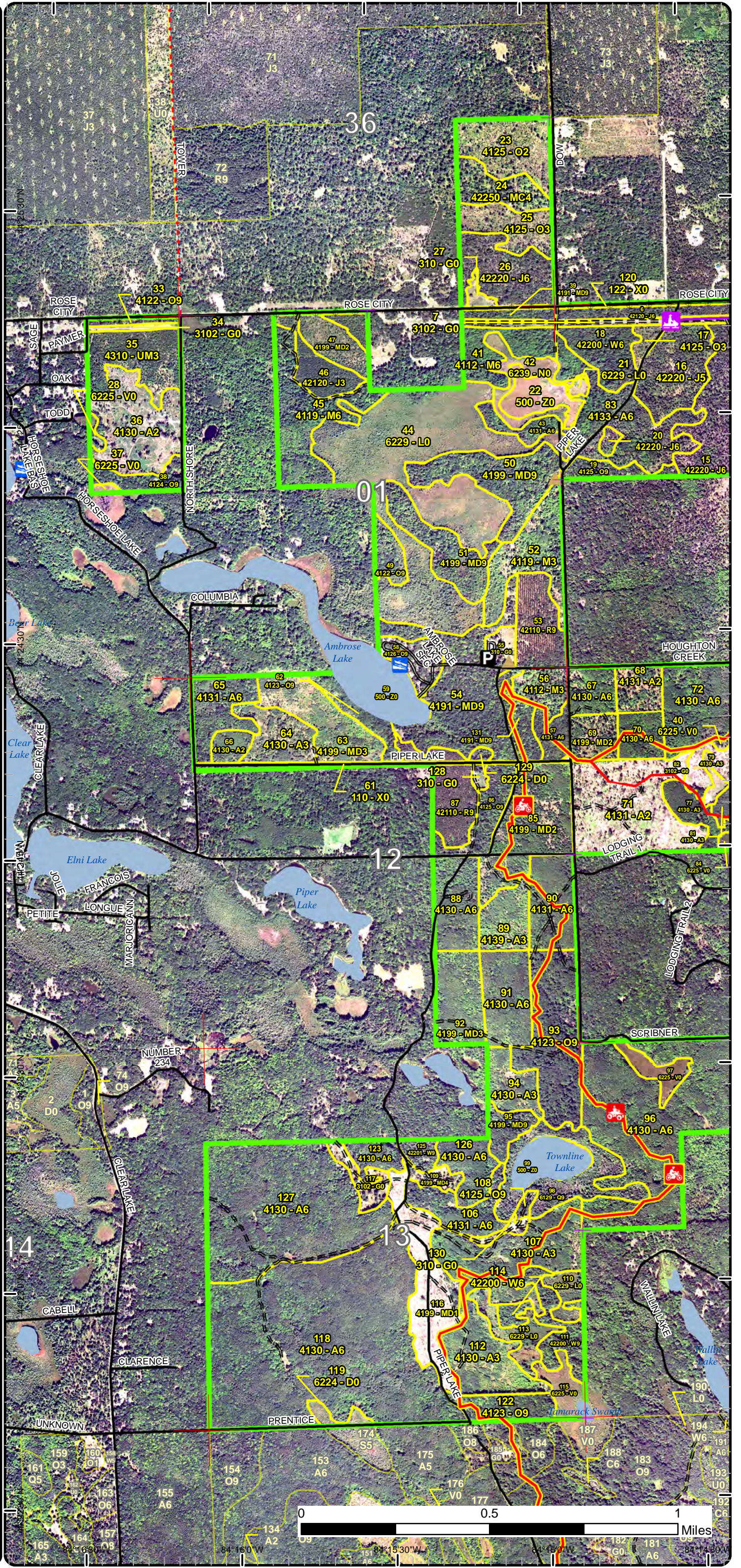


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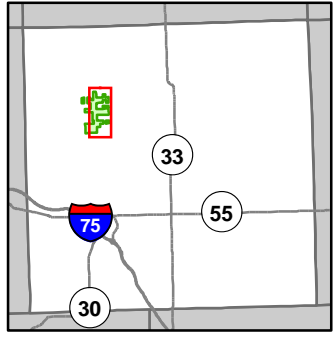


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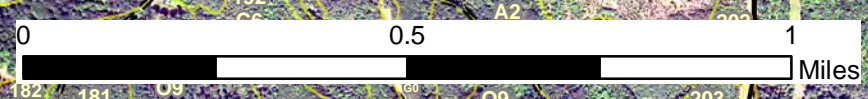
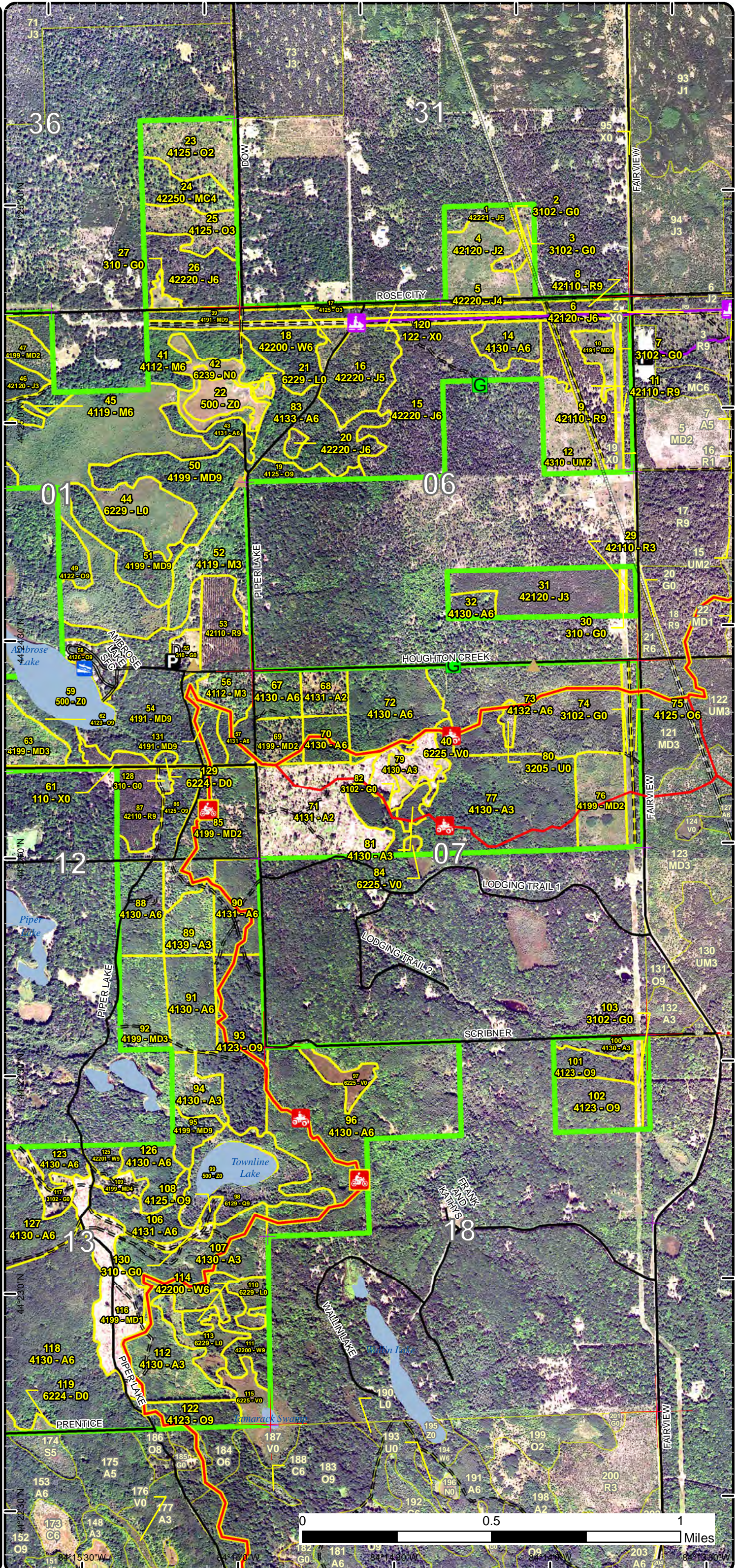


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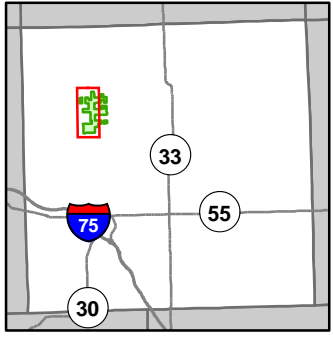
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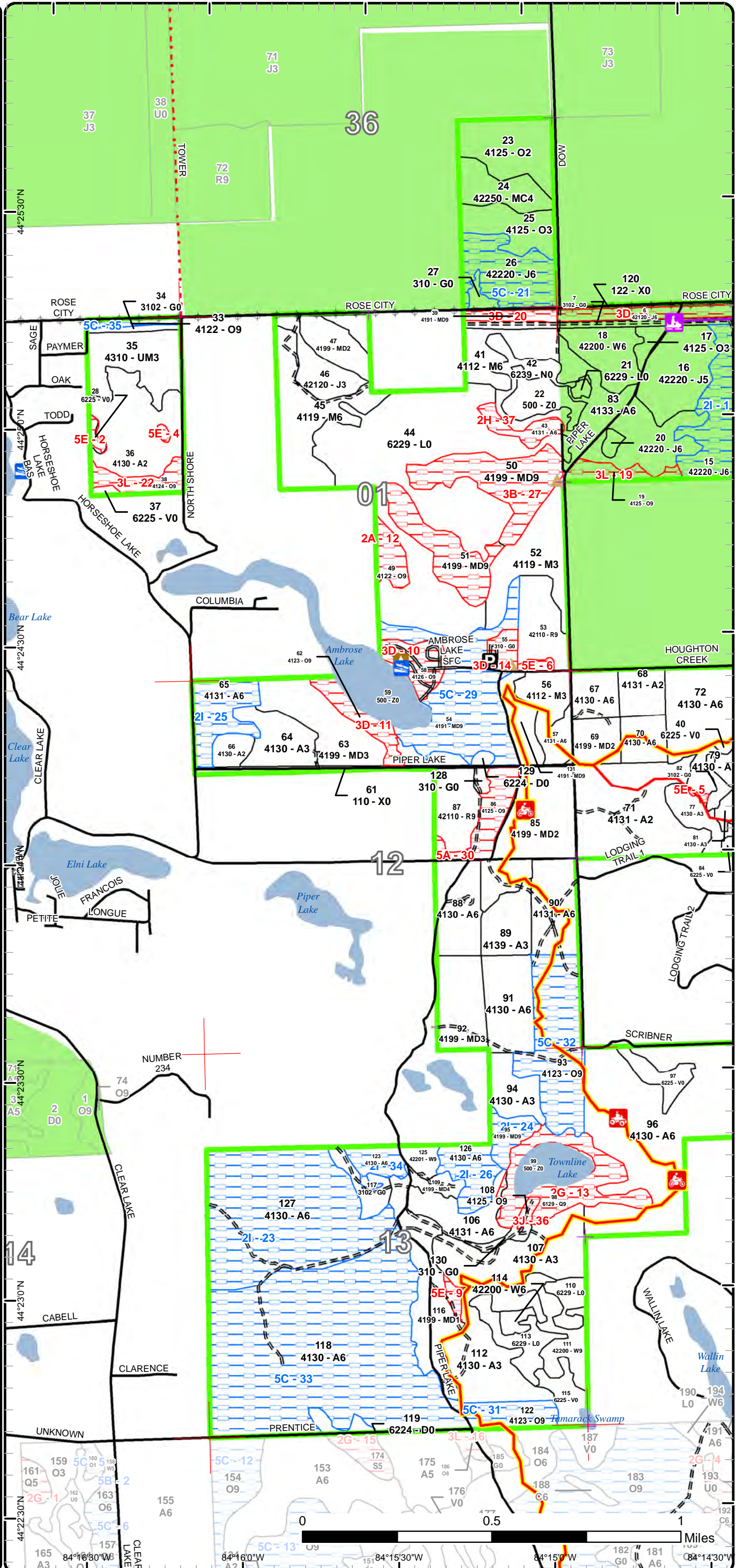
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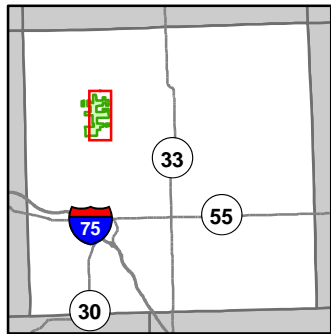


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat

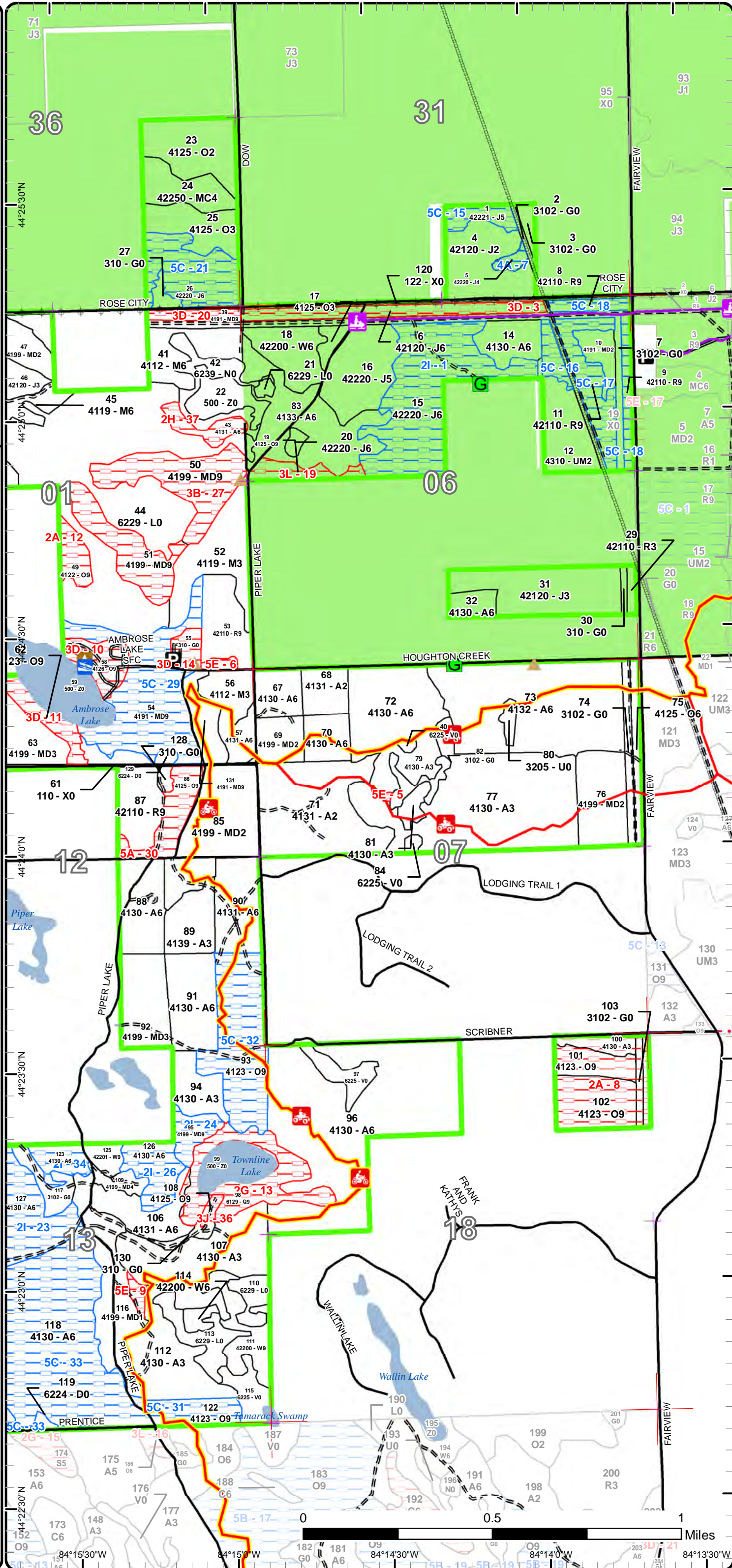


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
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- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
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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	93	66	138	223	415	11	7	0	0	0	0	0	0	0	0	0	0	953
Bog	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Herbaceous Openland	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Jack Pine	0	25	0	16	32	25	2	30	56	18	0	0	0	0	0	0	0	0	203
Lowland Conifers	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	26
Lowland Shrub	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129
Marsh	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	0	37	66	36	4	0	0	0	0	53	65	0	0	0	0	0	0	20	281
Natural Mixed Pines	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	14
Northern Hardwood	0	0	35	0	16	0	31	0	0	0	0	0	0	0	0	0	0	0	82
Oak	0	43	0	0	0	7	0	0	0	89	53	0	0	0	0	0	0	0	191
Red Pine	0	0	0	0	2	0	18	19	0	33	0	0	0	0	0	0	0	0	72
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Mixed Forest	0	18	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
White Pine	0	0	0	0	0	0	16	3	15	0	5	0	0	0	0	0	0	0	37
Total	289	216	191	190	277	447	78	73	71	219	123	0	0	0	0	0	0	20	2189



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 80
Total Compartment Acres: 2,189

Commercial Harvest - 82
Harvests with Site Condition - 184
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	196	0	0	0	0	0	0	0	0	196
Jack Pine	58	0	0	0	0	0	0	0	0	58
Mixed Upland Deciduous	3	0	0	10	0	0	0	0	0	13
Total	257	0	0	10	0	0	0	0	0	267

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	267	0	0	0	18	26	0	5		316
Next Step	0	56	0	0	0	284	0	5		345
Total	267	56	0	0	18	311	0	10		661



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:

12	71080012-Spray	17.6	4310 - Pine, Oak Mix	Sapling Medium	7	Immature	Pesticide	ERROR	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> spray with Valpar as an experiment to control hardwood competition</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Herbicide Use</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine plantation</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 /2020</p>											
14	71080014-Cut	11.2	4130 - Aspen	Poletimber Well	54	51-80	Harvest	Clearcut	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> 4" spec to save as much understory oak as possible and dormant season cut to maximize sprouting, plant jack pine if aspen/oak fails to fill in stand. Will need Snowmobile trail specs on sale.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any combination of aspen, oak, and other species to a fully stocked stand</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 /2020</p>											
15	71080015-Cut	55.7	42220 - Natural Jack Pine	Poletimber Well	76	51-80	Harvest	Clearcut with Retention	42121 - Planted Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> harvest to balance jack pine age class distribution, leave tops and scarify stand to establish natural regeneration, alternate regeneration will be to trench and plant jack pine to a fully stocked stand, leave a couple of small islands along the powerline ROW/SMT for retention, will need snowmobile trail specs,</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; ; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any combination of natural jack pine and other natural regeneration to a fully stocked stand, alternate regeneration is to trench/plant jack pine</p> <p><u>Regen:</u></p> <p><u>Other</u> will probably need a survey to locate corners and state/private boundary</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</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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20	71080020-Cut	1.8	42220 - Natural Jack Pine	Poletimber Well	56	51-80	Harvest	Clearcut	4132 - Aspen, Jack Pine	Even-Aged	No
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Prescription final harvest and manage for a mixed stand of aspen and jack pine, aspen should fill in but some natural jack pine regeneration is expected
Specs: also, no retention due to small size and conversion to aspen

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

Acceptable Regen: any combination of aspen, jack pine, and other species to a fully stocked stand

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2020

57	71080057-Cut	7.3	4131 - Aspen, Oak	Poletimber Well	62	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
----	--------------	-----	-------------------	-----------------	----	--------	---------	----------	-------------	-----------	----

Prescription regenerate for aspen management, push out into stand to west as much as possible, retain scattered red and white pine for visual, no
Specs: retention due to small size and age, mark up to 1 oak per acre for wildlife mast.

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

Acceptable Regen: Any combination of aspen and other species to a fully stocked stand.

Other Comment: dormant season cut to maximize sprouting of older aspen, use drumming log spec on sale

Site Condition

Proposed Start Date: 10/1 /2020

65	71080065-Cut	17.4	4131 - Aspen, Oak	Poletimber Well	46	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest for aspen management, leave island in the NE corner which is heavier to oak, leave out NW part of the stand which looks lower
Specs: and wetter(?). Save all red and white pine for visual and mark up to 1 oak per acre for wildlife mast

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

Acceptable Regen: Any combination of aspen and other species to a fully stocked stand

Other Comment: dormant season cut to maximize sprouting along a busy road

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

82	71080082-NF	4.9	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
----	-------------	-----	--------------	------------	--	--	--------------	---------------------------------	---------------------------	--	----

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw #14.
Specs:

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

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2020



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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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83	71080083-Cut	37.2	4133 - Aspen, Mixed Pine	Poletimber Well	42	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription cut part or all of stand for aspen age class distribution, buffer wet edges for BMP's, leave all oak and red/white pine less than 10" dbh for visual/diversity, leave retention islands along Piper Lake Road and /or leave out any narrow arms, Use brush pile and drumming log specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any combination of aspen and other species to a fully stocked stand

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

95	71080095-Cut	3.2	4199 - Other Mixed Upland Deciduous	Sawtimber Well	92	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription buffer lake by avoiding steep slopes. treat as much of stand as possible if cut. no retention other than buffers left on lake and the steep slopes.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen and other species to a fully stocked stand

Regen:

Other

No retention due to small size of the stand, attempt to close illegal ORV trail that is causing downhill erosion

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

106	71080106-Cut	15.0	4131 - Aspen, Oak	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription final harvest for aspen management, use north arm along steep slopes by lake for retention and any other steep slopes also for retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen and other species to a fully stocked stand

Regen:

Other

use drumming log spec on sale

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

116	71080116-Monitor	26.2	4199 - Other Mixed Upland Deciduous	Sapling Poor	3	Immature	Monitoring	Natural Regen (Intermediate)	4125 - Black, N. Pin Oak	Even-Aged	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Any combination of oak/other hardwoods, aspen, and pine to a fully stocked stand

Regen:

Other

Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 2 /21/2019



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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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123	71080123-Cut	7.6	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription final harvest for aspen management, no retention due to stand size and desire to fill in more open areas of the stand
Specs:

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

Acceptable Any combination of aspen and other species to a fully stocked stand
Regen:

Other may need survey on north end
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

126	71080126-Cut	12.8	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription final harvest for aspen management, no retention due to small size of stand and desire to expand aspen into Stand 109
Specs:

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

Acceptable Any combination of aspen and other species to a fully stocked stand
Regen:

Other may need survey
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

127	71080127-Cut	87.7	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription cut or hold all or part, split stand if necessary to treat for aspen age class distribution, retention will be on steeper bowls or in areas heavy to red maple or oak
Specs:

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

Acceptable any combination of aspen and other species to a fully stocked stand
Regen:

Other use drumming log spec on sale
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

131	71080131-Cut	9.9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	97	81-110	Harvest	Seed Tree	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Treat stand with a seed tree cut, no retention due to stand size, cut most black oak except for leaving a few pockets, leave all white oak, cut all sawlog size red and white pine and cut aspen, jack pine, red maple, and other species to 2 inches. Use a target residual of 30 SF of oak and pine.
Specs:

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

Acceptable Any combination of species and stocking level
Regen:

Other Aspen should expand into this stand from Stand 57.
Comment:

Site Condition

Proposed Start Date: 10/1 /2020



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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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Total Treatment Acreage Proposed: 315.5

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 80

Dale Ekdom : Examiner

Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions											
		With Condition				2I	4A	5C	2A	2G	2H	3B	3D	3J	3L	5A	5E
953	653	286		14	Aspen	126		160	6	1	6						1
20	19	0		1	Bog												1
64	56	0		8	Herbaceous Openland				3				5				0
203	99	88		16	Jack Pine	55	2	31					16				
26	0	0		26	Lowland Conifers					26							
129	129	0		0	Lowland Shrub												
12	12	0		0	Marsh												
281	171	55		55	Mixed Upland Deciduous	8		47				49	5				2
14	14	0		0	Natural Mixed Pines												
82	82	0		0	Northern Hardwood												0
192	50	53		89	Oak			53	38				20	2	16	13	
73	38	33		2	Red Pine			33									2
5	5	0		0	Treed Bog												
41	41	0		0	Upland Mixed Forest												
2	2	0		0	Upland Shrub												
16	16	0		0	Urban								0				
39	39	0		0	Water												
37	37	0		0	White Pine												
2,189	1,463	515		212	Total Forested Acres	188	2	324	46	27	6	49	46	2	16	13	7
	67%	24%		10%	Relative Percent												

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2I: Survey needed	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 80

Year of Entry: 2021

3	Unavailable	3D: Recreational / Scenic values	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2A: Adjacent landowner denied access	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 80

Year of Entry: 2021

10	Unavailable	3D: Recreational / Scenic values	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Ambrose Lake State Forest Campground							
11	Unavailable	3D: Recreational / Scenic values	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2A: Adjacent landowner denied access	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: consider cutting if needed to balance jack pine age class distribution in new compartment							

Report 4 – Site Conditions

Roscommon Mgt. Unit

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Compartment: 80

Year of Entry: 2021

16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Maintain for now as a buffer until adjacent planted stand is taller/older							
19	Unavailable	3L: Other wildlife concerns	7	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: Hold for mast producing qualities.							
20	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: maintain for visual on Rose City Road							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 80

Dale Ekdorn : Examiner

Year of Entry: 2021

21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: consider for cutting if more jack pine is needed to balance jack pine age class distribution.							
22	Unavailable	3L: Other wildlife concerns	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Good source of hard mast which will last several more entries.							
23	Available	2I: Survey needed	88	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	2I: Survey needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	2I: Survey needed	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	3B: Threatened, endangered, and special concern species	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 80

Dale Ekdorn : Examiner

Year of Entry: 2021

29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5A: Not able to obtain desirable regeneration	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	160	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	2I: Survey needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 80

Dale Ekdorn : Examiner

Year of Entry: 2021

35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Maintain for now as a buffer between the road and powerline to buffer the younger stand to the south							
36	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Medium	6.3	65	51-80	N/A	strip left when stand to the south was cut, should have been cut with stand to the south last time, no good way to get to this stand now without destroying a bunch of 7 year old regeneration																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Pole</td> <td>6</td> <td>65</td> </tr> <tr> <td>Northern Pin Oak</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td>65</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	30	Pole	6	65	Northern Pin Oak	10	Pole/Log	8	65	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Pin Cherry</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Low	5 - 10 feet	Sapling	Pin Cherry	Medium	5 - 10 feet	Tall Shrub									
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Northern Pin Oak	10	Pole/Log	8	65																																			
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Pin Cherry	Medium	5 - 10 feet	Tall Shrub																																				
2	3102 - Grass	Nonstocked	1.4		Unspecified	No	Large gas pipeline, Grassy open areas with some cherry brush.																																
3	3102 - Grass	Nonstocked	2.8		Unspecified	No	Grass and some cherry brush.																																
4	42120 - Planted Jack Pine	Sapling Medium	24.9	7	Immature	N/A	cut Spring 2011 and planted to jack pine																																
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Jack Pine	100	Sapling	1	7																																			
5	42220 - Natural Jack Pine	Poletimber Poor	2.2	86	1-50	N/A	Very open area with scattered jack pine and some oak.																																
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Pin Cherry	Low	5 - 10 feet	Sapling																																				
6	42120 - Planted Jack Pine	Poletimber Well	16.2	87	51-80	N/A	Strip between powerline and road. Parts are solid J6 and doing okay, other parts the jack pine is starting to fall apart and there is quaking aspen and oak mixed in. Retain for buffer.																																
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7	3102 - Grass	Nonstocked	22.8			No	Gas pipeline/powerline																																
8	42110 - Planted Red Pine	Sawtimber Well	4.3	87	81-110	N/A	retain as buffer on Rose City Road																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
10	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	6.7	7	Immature	N/A	Cut spring 2011, planted 2013 and ran out of seedlings, finished planting in 2014. Initial planting failed so replanted in 2018 and that has also failed. The site is not free to grow, the competition is too tall to spray with a skidder and not conducive for aerial. Let MO go to a mixed stand.																																
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11	42110 - Planted Red Pine	Sawtimber Well	22.2	87	81-110	N/A	Cut in spring of 2011																																
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12	4310 - Pine, Oak Mix	Sapling Medium	17.6	7	Immature	N/A	Final harvest and planted red pine in 2014. Replanted in 2018 and they failed. It is a mixed stand now with natural regeneration too far along to effectively spray. Let management objective be a mixed stand and do no further treatments.																																
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14	4130 - Aspen	Poletimber Well	11.2	54	51-80	N/A	Poor quality quaking aspen stand. Heavy pin cherry and some oak in understory. Aspen fairly small yet but should probably be regenerated as aspen is starting to fall apart. 4" spec to save as much oak as possible? and dormant season cut to maximize sprouting? plant jack pine if aspen/oak fails to fill in stand.																																
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15	42220 - Natural Jack Pine	Poletimber Well	55.7	76	51-80	N/A	Jack pine pole timber stand with a few oaks and red pine. Pin cherry found in understory and in small openings. Some areas have good advanced oak single stem regeneration. Should be cut based on age. Consider cutting for jack pine age class distribution.																																
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16	42220 - Natural Jack Pine	Poletimber Medium	24.5	42	51-80	N/A	Mixed jack pine/aspen stand. Fully stocked but fairly sparse in spots. Trees are small and low quality. Hold 10 years or cut now and regenerate to jack pine with adjacent stand.																																
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17	4125 - Black, N. Pin Oak	Sapling Well	3.6	7	1-50	N/A	Cut Spring 2011, Mixed oak/jack pine/aspen stand. Scattered oak and white pine left.																																
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18	42200 - Natural White Pine	Poletimber Well	15.5	59	111-140	N/A	Thick white pine poletimber stand with large 20"+ red and white pine super canopy trees. Some sapling white pine and cherry understory.																																	
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19	4125 - Black, N. Pin Oak	Sawtimber Well	6.9	86	81-110	N/A	Oak stand on higher terrain along private property. Some aspen, red maple, jack pine and red pine present. Areas of heavy red maple 1-3" in understory. Stand will succeed to maple over time. Good source of mast for the area.																																	
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20	42220 - Natural Jack Pine	Poletimber Well	1.8	56	51-80	N/A	Small pocket of jack pine pole timber. Pin cherry understory. Lower possibly wetter ground.																																	
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21	6229 - Mixed lowland shrub	Nonstocked	1.3			No	Low wet areas that sometimes holds water. Some lowland brush																																	
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22	500 - Water	Nonstocked	10.9			No																																		
23	4125 - Black, N. Pin Oak	Sapling Medium	23.8	7	Immature	N/A	cut spring 2011, some open areas but filling in with oak and jack pine saplings																																	
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24	42250 - Pine, Oak	Poletimber Poor	13.8	66	1-50	N/A	Very open stand with scattered oak, cherry, jack pine, white pine, and red pine poles and sawlogs.																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
26	42220 - Natural Jack Pine	Poletimber Well	24.3	66	81-110	N/A	Jack pine pole timber stand with some scattered larger red pine and a few oak. Pin cherry and oak in understory. Some spots have lots of white pine saplings. consider for cutting if more jack pine is needed to balance jack pine age class distribution.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		8	Log/Pole	10	86	Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling
Jack Pine		90	Pole	8	66	Pin Cherry		Low	5 - 10 feet	Sapling
27	310 - Herbaceous Openland	Nonstocked	2.4			No				
28	6225 - Bog	Nonstocked	1.6	0	Immature	No	2 small bogs with forested strip between them and treed buffers on the edges			
29	42110 - Planted Red Pine	Sapling Well	2.1	35	1-50	N/A	just reaching pole size			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Pine		90	Sapling/Pole	4	35	Northern Pin Oak	Low	5 - 10 feet	Sapling	
30	310 - Herbaceous Openland	Nonstocked	1.4			No	Utility ROW			
31	42120 - Planted Jack Pine	Sapling Well	31.9	36	1-50	N/A	almost pole size			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		100	Sapling/Pole	3	36					
32	4130 - Aspen	Poletimber Well	5.4	36	1-50	N/A	slow growing			
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		95	Pole/Sapling	5	36					
33	4122 - Oak, Pine	Sawtimber Well	2.3	87	51-80	N/A	maintain as buffer between road and powerline ROW			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		60	Log/Pole	12	87	White Pine	Low	5 - 10 feet	Sapling	
Jack Pine		40	Log/Pole	10		Pin Cherry	Low	5 - 10 feet	Sapling	
34	3102 - Grass	Nonstocked	2.3			No				
35	4310 - Pine, Oak Mix	Sapling Well	23.7	19	Immature	N/A	Jack pine plantation with heavy oak and cherry component. SE part of stand is fairly sparse. An inclusion/strip (approx. 2 acres) where they left all the oak along the private property is O7UM2.			
Canopy Species		% Cover	Size Class	DBH	Age					
Northern Pin Oak		30	Sapling	2						
Jack Pine		50	Sapling	2	19					
Pin Cherry		15	Sapling	2						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
36	4130 - Aspen	Sapling Medium	33.3	4	Immature	N/A	Cut in the summer of 2015, filling in slowly with aspen/oak regeneration. Some scattered oak and pine left. Retention island in middle of stand.																																	
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37	6225 - Bog	Nonstocked	1.1			No																																		
38	4124 - Red with White Oak	Sawtimber Well	8.7	82	81-110	N/A	Red and white oak with red maple and big tooth aspen. Stand is growing well with some oak over 100 yrs old. Several small lowland brush potholes within stand. Should hold 10 years no problem. Good source of hard mast which will last several more entries.																																	
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39	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.5	87	51-80	N/A	maintain for visual on Rose City Road																																	
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40	6225 - Bog	Nonstocked	0.8	0		No																																		
41	4112 - Maple, Beech, Cherry Association	Poletimber Well	15.8	32	1-50	N/A	just at pole size, lots of multi-stemmed red maple and oak with scattered conifers																																	
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42	6239 - Mixed Emergent Wetland	Nonstocked	11.7			No																																		
43	4131 - Aspen, Oak	Poletimber Well	6.4	42	Unspecified	N/A	small island surrounded by low ground																																	
44	6229 - Mixed lowland shrub	Nonstocked	110.5			No																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
45	4119 - Mixed Northern Hardwoods	Poletimber Well	31.1	51	51-80	N/A	Red maple pole timber stand. Some wet areas. More red pine on NW side, aspen on south edge.																																	
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46	42120 - Planted Jack Pine	Sapling Well	15.5	21	Immature	N/A																																		
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47	4199 - Other Mixed Upland Deciduous	Sapling Medium	11.1	13	Immature	N/A	Old fire which killed jack pine plantation. Now growing oak and cherry.																																	
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49	4122 - Oak, Pine	Sawtimber Well	7.2	92	81-110	N/A	blocked by private property to the west and lowland brush stand on the other sides. Basal area is an estimate.																																	
50	4199 - Other Mixed Upland Deciduous	Sawtimber Well	28.2	87	81-110	N/A	nice stand which is fairly unique to the Roscommon area, lots of single stem red maple, scattered XL red and white pine, fairly open understory but white pine slowly seeding in and has areas heavy to red maple saplings in spots, edges are wetter where they grade into the lowland brush stand, scattered aspen on the wetter edges, stand doing well on its own, heard RSH calls and found the stick nest on the north edge of the stand along the "L" type																																	
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51	4199 - Other Mixed Upland Deciduous	Sawtimber Well	20.6	87	81-110	N/A	long narrow peninsula of mixed hardwoods with lowland brush on 3 sides, poor access without some road building, edges somewhat wetter where they grade into the lowland brush stand																																	
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52	4119 - Mixed Northern Hardwoods	Sapling Well	25.4	14	Immature	N/A	Red maple stump sprouts with a few areas of aspen, Jack pine and scattered sawtimber white oak.																																	
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53	42110 - Planted Red Pine	Sawtimber Well	18.4	50	111-140	N/A	Plantation red pine, YOO = 1969, thinned by removing every 3rd row in Summer 2015.																																	
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54	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	47.1	97	81-110	N/A	Mixed oak stand with scattered red and white pine. Thick understory of red maple and white pine. Mature white pine has excellent growth and form. White pine saplings filling in nicely in the understory. Hold, no priority to regenerate.																																	
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55	310 - Herbaceous Openland	Nonstocked	5.1			No	west part is ORV parking lot, east part is a grassy opening, middle part has scattered trees																																	
56	4112 - Maple, Beech, Cherry Association	Sapling Well	9.3	12	Immature	N/A	Stand that was cut last entry with a 4" diameter cut leaving all sapling and small pole red maple. Many have crown die back or are left in a bent over position from tree felling, Sawtimber white oak were also left. Stand regenerated to stump sprout red maple. The old landing is now a stockyard for stumps.																																	
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57	4131 - Aspen, Oak	Poletimber Well	7.2	62	81-110	N/A	regenerate for aspen mgt, push out into stand to west as much as possible, retain scattered red and white pine for visual, no retention due to small size and age, mark up to 1oak per acre for wildlife mast.																																	
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58	4126 - White, Black, N. Pin Oak	Sawtimber Well	10.6	92	51-80	N/A	Ambrose Lake State Forest Campground.																																	
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59	500 - Water	Nonstocked	15.8			No	Ambrose Lake																																	
61	110 - Low Intensity Urban	Nonstocked	7.0			No																																		
62	4123 - Red Oak	Sawtimber Well	9.6	92	81-110	N/A	Stand Buffers clear cuts on the west side of ambrose lake.																																	
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63	4199 - Other Mixed Upland Deciduous	Sapling Well	24.4	13	Immature	N/A	Aspen stand with heavy amounts of cherry and red maple, mostly cut Fall 2006 except for SE part which was cut Fall 2005																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
64	4130 - Aspen	Sapling Well	15.4	21	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling/Pole	3		Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen		90	Sapling/Pole	3	21	Pin Cherry	Low	10 - 20 feet	Sapling
65	4131 - Aspen, Oak	Poletimber Well	17.4	46	81-110	N/A	Old black oak sawlogs with a younger age class of aspen pole timber within it. Some larger and older sawlog size aspen also. Scattered red/white pine poles and sawlogs. Heavier to oak in the NE corner of the stand and the SW corner, extreme NW part of the stand looks lower and wetter. Oak and older aspen starting to decline.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		60	Pole/Log	8	46	Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak		20	Log/Pole	12	92	Pin Cherry	Low	5 - 10 feet	Sapling
White Pine		8	Pole	7					
66	4130 - Aspen	Sapling Medium	5.2	21		N/A	Some low density areas with cherry and maple.		
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		75	Sapling	2	21				
Pin Cherry		20	Sapling	1					
67	4130 - Aspen	Poletimber Well	10.3	32	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Pole	4		Red Maple	High	10 - 20 feet	Sapling
Bigtooth Aspen		70	Pole	5	32	Witch Hazel	Medium	10 - 20 feet	Tall Shrub
Black/Red (Hybrid) Oak		10	Pole	4					
68	4131 - Aspen, Oak	Sapling Medium	9.8	12	Immature	N/A	Stand was cut last entry . White oak sawtimber was left along with some red maple under 4". low density/stocking throughout most of the stand. A few aspen clones and scattered red maple stump sprouts.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		25	Sapling	1					
White Oak		20	Log	12					
Bigtooth Aspen		55	Sapling	1	12				
69	4199 - Other Mixed Upland Deciduous	Sapling Medium	9.7	12	Immature	N/A	Stand was cut last entry and white oak and white pine were left. Low stocking of trees, High amounts of witch hazel in "canopy".		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		45	Sapling	1	12	Witch Hazel	High	5 - 10 feet	Tall Shrub
White Oak		25	Log	12					
Bigtooth Aspen		20	Sapling	1	12				
White Pine		10	Pole	6					
70	4130 - Aspen	Poletimber Well	9.6	32	51-80	N/A	nice A6 stand - hold for now as its still growing well		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		90	Pole	5	32	Red Maple	Low	10 - 20 feet	Sapling
						Witch Hazel	Medium	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
71	4131 - Aspen, Oak	Sapling Medium	47.4	3	Immature	N/A	Cut summer 2016, slowly filling in with oak, aspen, and red maple; left scattered white oak log trees and white pine/red pine pole and log trees, some sparser areas but shouldn't need to be planted.																																				
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72	4130 - Aspen	Poletimber Well	31.6	32	Immature	N/A	stand just reaching pole size especially the aspen, red maple is mostly smaller than pole siz, east edge has smaller diameters and isn't quite pole size																																				
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73	4132 - Aspen, Jack Pine	Poletimber Well	70.6	43	1-50	N/A	Aspen/ pin oak stand that had open areas planted to jack pine. Aspen and oak barely merchantable in most spots and poorer quality, jack pine not yet pole size. A6 clones with numerous open areas of oak, jack pine, and cherry. Look at splitting stand now or next entry and potentially regenerating the aspen if needed for age class distribution. Jack pine areas need to grow some more.																																				
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74	3102 - Grass	Nonstocked	6.4			No	Utility ROW																																				
75	4125 - Black, N. Pin Oak	Poletimber Well	7.4	47	51-80	N/A	More jack pine on N. end, better oak on south end, maintain as buffer between road and ROW																																				
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76	4199 - Other Mixed Upland Deciduous	Sapling Medium	21.0	12	Immature	N/A	Red pine plantation with maple, cherry and aspen competition. Hardwoods are too far along to skidder spraying and stand is too small for aerial spraying. Go with a MO of mixed upland deciduous.																																				
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79	4130 - Aspen	Sapling Well	11.6	3	Immature	N/A	Cut 2016, Most spots regenerated well to aspen.																																				
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80	3205 - Mixed Upland Shrub	Nonstocked	2.4			No																																							
81	4130 - Aspen	Sapling Well	3.8	24	1-50	N/A																																							
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82	3102 - Grass	Nonstocked	4.9			Managed Opening																																							
83	4133 - Aspen, Mixed Pine	Poletimber Well	37.2	42	81-110	N/A	mostly aspen but also has scattered oak and jackpine, fully stocked but with a few sparse areas with just scattered oak/jp and heavy pin cherry, Growing better than Stand 14 but should be cut before it starts to decline.																																						
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84	6225 - Bog	Nonstocked	1.2			No																																							
85	4199 - Other Mixed Upland Deciduous	Sapling Medium	36.4	21	Immature	N/A	regenerated winter 1999																																						
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86	4125 - Black, N. Pin Oak	Sawtimber Well	13.5	92	111-140	N/A	Old low quality oak with some large red and white pine mixed in. Heavy advanced understory and pole timber component of red maple. Stand would probably convert to red maple stump sprouts if harvested. Some areas heavy to white pine saplings. SW part is fairly open south of the red pine stand.																																						
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87	42110 - Planted Red Pine	Sawtimber Well	18.8	62	111-140	N/A	Red pine plantation, YOO = 1957/1960, removed marked trees within rows in Summer 2015. Look at in 10 years for another thinning.																																						
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88	4130 - Aspen	Poletimber Well	19.3	31	1-50	N/A	More maple and oak mixed with white pine on north end.																																						
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89	4139 - Aspen, Mixed Deciduous	Sapling Well	13.6	14	Immature	N/A	A3 mixed with areas of solid red maple regen.																																					
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90	4131 - Aspen, Oak	Poletimber Well	19.6	34	51-80	N/A																																						
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91	4130 - Aspen	Poletimber Well	20.9	32	51-80	N/A																																						
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92	4199 - Other Mixed Upland Deciduous	Sapling Well	19.9	21	Immature	N/A	Nice mixed stand of red maple and red oak stump sprouts. Some entering poletimber size.																																					
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93	4123 - Red Oak	Sawtimber Well	39.0	87	81-110	N/A	Red oak stand that was thinned in Summer 1997 by removing aspen and red maple. Some steep hills and ridges. Heavy red maple stump sprouts in the under-story. Heavy erosion on some of the hills from illegal ORV damage.																																					
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95	4199 - Other Mixed Upland Deciduous	Sawtimber Well	7.6	92	111-140	N/A	Small stand sloping towards Townline Lake and a flowing stream. overmature aspen with mature red and white oak. scattered red maple thru-out. north end is lower and slightly wetter with an old railroad grade on the north side of the lake. leave as bmp buffer or regenerate for aspen with stand to the west.																																					
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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	106.4	33	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		20	Pole	7		Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen		73	Pole	8	33	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
97	6225 - Bog	Nonstocked	7.5			No			
98	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	26.2	87	81-110	N/A	Lowland conifer swamp surrounding townline lake.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		30	Pole	8		Black Spruce	Low	5 - 10 feet	Sapling
Northern White Cedar		45	Log/Pole	10	87	Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Pine		20	Log/Pole	12					
99	500 - Water	Nonstocked	12.0			No	Townline Lake		
100	4130 - Aspen	Sapling Well	5.8	21		N/A	Cut in Fall 1998, questionable access		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Sapling	2		Red Maple	High	10 - 20 feet	Sapling
Quaking Aspen		50	Sapling	2	21				
Bigtooth Aspen		30	Sapling	2					
101	4123 - Red Oak	Sawtimber Well	12.2	87	51-80	N/A	Thinned in 1998, questionable access, records indicate we trespassed on the private to the east to access the stand for a timber sale, South end of the arm east of the powerline was not thinned.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		100	Log	14	87	Red Maple	Full	>20 feet	Sapling
						Witch Hazel	Low	10 - 20 feet	Tall Shrub
102	4123 - Red Oak	Sawtimber Well	18.5	87	111-140	N/A	never thinned or otherwise treated, questionable access		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole	6		Red Maple	Medium	10 - 20 feet	Sapling
Red Oak		70	Log/Pole	12	87	Witch Hazel	Medium	10 - 20 feet	Tall Shrub
Bigtooth Aspen		15	Log/Pole	12					
103	3102 - Grass	Nonstocked	2.9			No	powerline/pipeline ROW		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
106	4131 - Aspen, Oak	Poletimber Well	15.1	49	81-110	N/A	Middle part is aspen poles with scattered oak and white pine, west end and north arm are less dense and have oak and white pine with scattered aspen, stand is on a ridge with steeper sides in spots, some areas are heavy to oak saps/poles or red maple saps/poles, white pine saplings are mostly in the west end and the north arm, should hold okay overall																																				
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107	4130 - Aspen	Sapling Well	33.0	20	Immature	N/A	Regenerated Summer 1999 and Winter 2000, good regeneration thru-out stand.																																				
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108	4125 - Black, N. Pin Oak	Sawtimber Well	1.7	87	81-110	N/A	Small low quality oak stand on a ridge that overlooks townline lake.																																				
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109	4199 - Other Mixed Upland Deciduous	Poletimber Poor	4.2	37	1-50	N/A	grassy area with scattered trees, white pine saplings slowly seeding in																																				
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110	6229 - Mixed lowland shrub	Nonstocked	6.2			No																																					
111	42200 - Natural White Pine	Sawtimber Well	14.5	77	51-80	N/A	WP on more upland ground surrounded by lower ground or private property, poor access due to terrain and private property, not ready for treatment yet anyways.																																				
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112	4130 - Aspen	Sapling Well	31.1	13	Immature	N/A	Cut Fall 2006																																				
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113	6229 - Mixed lowland shrub	Nonstocked	11.0			No																																					



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114	42200 - Natural White Pine	Poletimber Well	2.9	62	81-110	N/A																																						
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115	6225 - Bog	Nonstocked	8.3		Unspecified	No																																						
116	4199 - Other Mixed Upland Deciduous	Sapling Poor	29.7	3	Immature	N/A	Thin narrow stand of old pin/black oak. Heavy red maple and cherry under-story. A few scattered pine. Stand regenerated in Summer 2016. Stand may have regeneration issues. Plant red pine if hardwood regeneration fails (?)																																					
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117	3102 - Grass	Nonstocked	7.0			No	grassy bowl with scattered trees																																					
118	4130 - Aspen	Poletimber Well	160.2	49	81-110	N/A	mostly bigtooth aspen, scattered red and white pine, areas of good A6 but also areas of red maple poles which are just at polesize or low quality black oak poles, scattered spots with steeper terrain and a few areas of grassy opening.																																					
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119	6224 - Treed Bog	Nonstocked	3.4			No																																						
120	122 - Road/Parking Lot	Nonstocked	9.5			No	Rose City Road																																					
122	4123 - Red Oak	Sawtimber Well	11.6	92	81-110	N/A	Nice red and white oak sawlog stand mixed with some nice sawtimber red maple and bigtooth aspen. Thinning itself out on its own. Should hold okay with minimal volume loss. Possibly manage with Stand 184 in the Compartment 83 to the south in 2023.																																					
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123	4130 - Aspen	Poletimber Well	7.6	49	81-110	N/A	aspen knob with scattered red maple and oak, west edge and SW arm is mostly oak and white pine which could be left if cut. NE part is more open with scattered oak and pin cherry, cut or hold as desired for MA plan.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
125	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	4.5	92	111-140	N/A	Mix of white pine and oak with other scattered hardwoods and red pine, rolling terrain, one small "G" type within stand, oak is low quality and declining, stand wants to be white pine, possibly thin white pine in 10 years																																
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126	4130 - Aspen	Poletimber Well	12.8	49	81-110	N/A	mix of bigtooth aspen and quaking aspen with scattered other species, cut or hold all or part for balancing aspen age class distribution																																
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127	4130 - Aspen	Poletimber Well	87.7	49	81-110	N/A	mostly bigtooth aspen, scattered red and white pine, areas of good A6 but also areas of red maple poles which are just at polesize or low quality black oak poles, scattered spots with steeper terrain and a few areas of grassy opening.																																
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128	310 - Herbaceous Openland	Nonstocked	1.6	0		No	grassy opening, large wolffy trees scattered in north 1/3rd of stand																																
129	6224 - Treed Bog	Nonstocked	1.2	0		No	Treed bog with numerous pole/SL/XL size white pine																																
130	310 - Herbaceous Openland	Nonstocked	2.6	0	Unspecified	No	elongated grassy bowl with steeper sides, scattered trees																																
131	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	9.9	97	81-110	N/A	Mixed oak stand with scattered red and white pine. Thick understory of red maple and white pine. Mature white pine has excellent growth and form. White pine saplings filling in nicely in the understory. Could attempt to regenerate some oak but probably will result in lots of stump sprout red maple. May need survey if cut.																																
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