



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71019

Entry Year 2024

Acreage: 2,558

County Roscommon

Management Area: Upper Muskegon

Stand Examiner: Jason Lewicki

Legal Description:

T21N, R03W Sections 17, 18, 19 and 30

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered, and special concern species; and provide for forest-based recreational uses.

Soil and topography:

Soils on the upland's are generally made up of Grayling sands. The lowland areas are dominated by Rifle and Greenwood Peats.

Topography within the compartment is generally flat to gently rooling.

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

This entire compartment and much of the surrounding township lies under State Ownership.

Unique Natural Features:

None known

Archeological, Historical, and Cultural Features:

None Known

Special Management Designations or Considerations:

The northern parts of sections 17and 18 contain part of the "Lost Twin Lakes SCA".

Watershed and Fisheries Considerations:

Townline Creek flows through the compartment.

Wildlife Habitat Considerations:

The compartment is south of Houghton Lake at the southern end of Reserve Road. It contains several drainages, including the headwaters of Townline Creek. The topography is generally flat. This compartment is largely composed of aspen, red pine, and mixed deciduous, with a few oak stands in the NE. Lowland fir, maple, cedar, and spruce are found along the drainages. The compartment is important to deer, turkey, waterfowl, grouse and woodcock. Black bear and snowshoe hare also frequent the compartment, especially in association with the drainages and marshes that serve as travel corridors for bears. This compartment sees heavy pressure for hunting along with trapping opportunity. The drainages and marshes provide opportunities for waterfowl hunting as well. 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 lowland 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 no managed wildlife openings within this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Sections 17-19 & 30, T21N-R3W, Roscommon County

No known potential exists for metallic minerals in this part of the state. The nearest active sand/gravel pit is nearly five miles to the north. Many active pits occur in this region, and there is generally good potential within the outwash and ice-contact glacial deposits of the area. There appears to be some potential for sand & gravel within the compartment, but surface development could be inhibited by oil & gas infrastructure in places. The northwest end of the Headquarters oil field occurs within the compartment. Enterprise is an old field and many wells in the field have been plugged and abandoned, but some are still producing. Potential for additional in-field development wells or new wildcat wells within the same formations beneath the compartment is low. Much of the southern portion of the compartment is currently leased

and held by production.

Vehicle Access:

Due to many seasonal county roads and forest roads, vehicle access is very good throughout the compartment.

Survey Needs:

None

Recreational Facilities and Opportunities:

Lost Twin Lakes Pathway occurs in the north half of the compartment. Designated Denton ORV Trail Route and Snowmobile Trail occur near Parrent Dr., Grass Lake, Rollaway and Reserve Roads. Townline Creek and associated flooding provides fishing, trapping and waterfowl hunting opportunities. The adjacent higher ground provides areas for small and large game hunting with dispersed camping. The improved roads provide for vehicle accesses for sight seeing or traveling on the back roads thru the county.

Fire Protection:

Nearly all of this compartment is within zone 4 fire dispatch area. This area is also a "no plow zone" due to the oil and gas infrastructure. Numerous natural barriers, roads and trails may help slow fire spread.

Additional Compartment Information:

The following reports from the Inventory are attached:

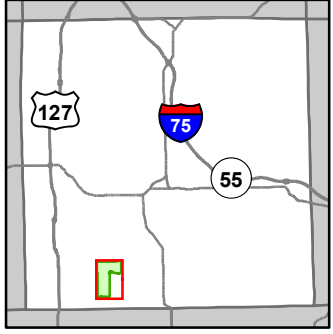
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

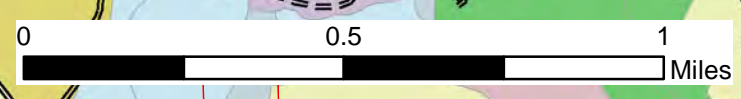
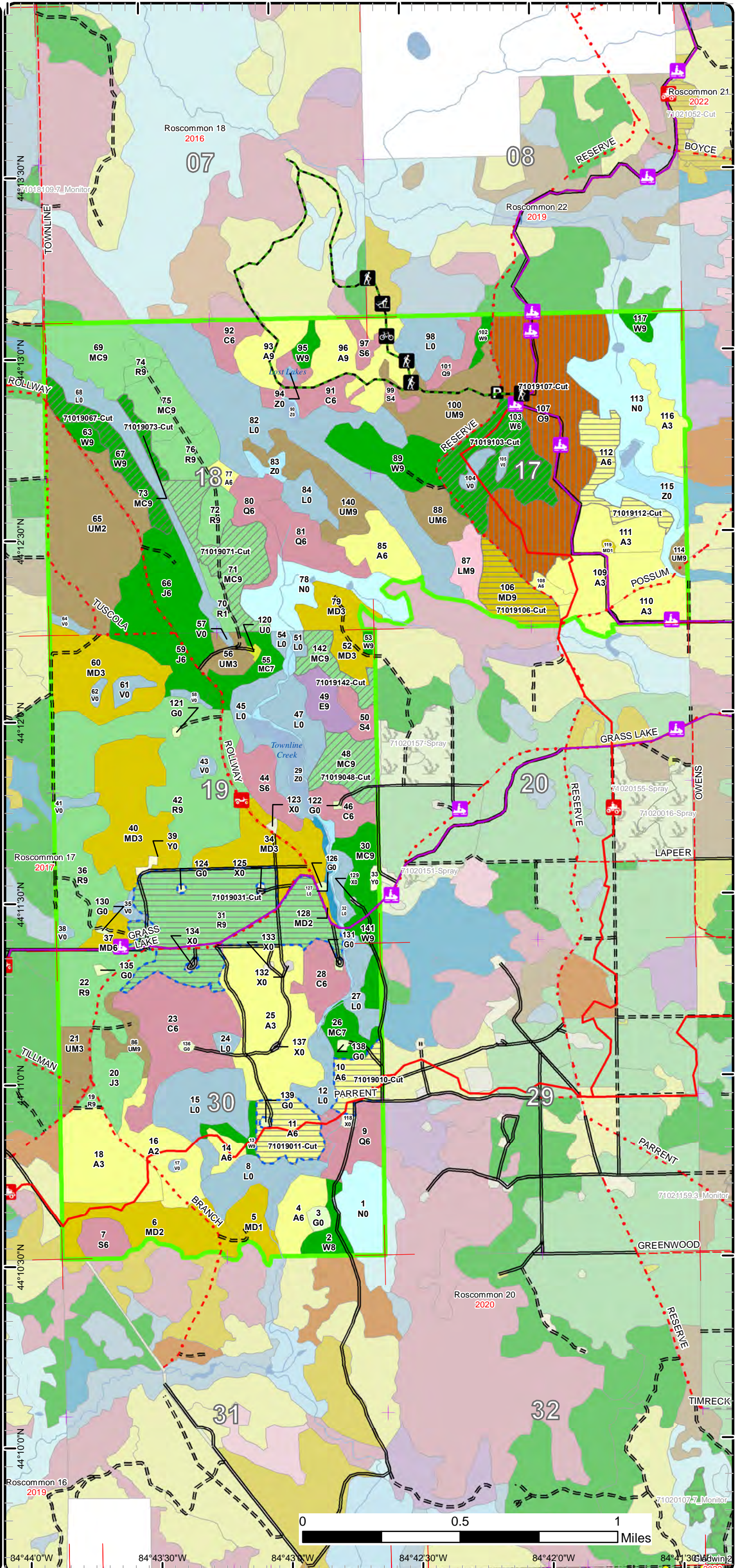
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 19
 T21N, R03W, Sec. 17-19, 30
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2024
 Acres: 2558.4 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 12/28/2022
 Map Phase: Post-Review



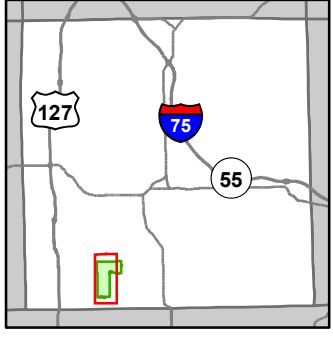
- Miris Corners
- ⊕ Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- .-.- County - Gravel Road
- .-.- County - Dirt Road (Seasonal)
- 🚶 Hiking Trails
- 🚲 Bike Trails
- 🏂 Ski Trails
- 🛻 ORV Trails
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- P Parking Lot
- ★ Trailhead
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
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- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
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- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland
- 710 - Sand/Soil
- 790 - Other Bare/Sparsely Vegetated



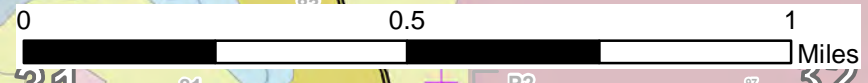
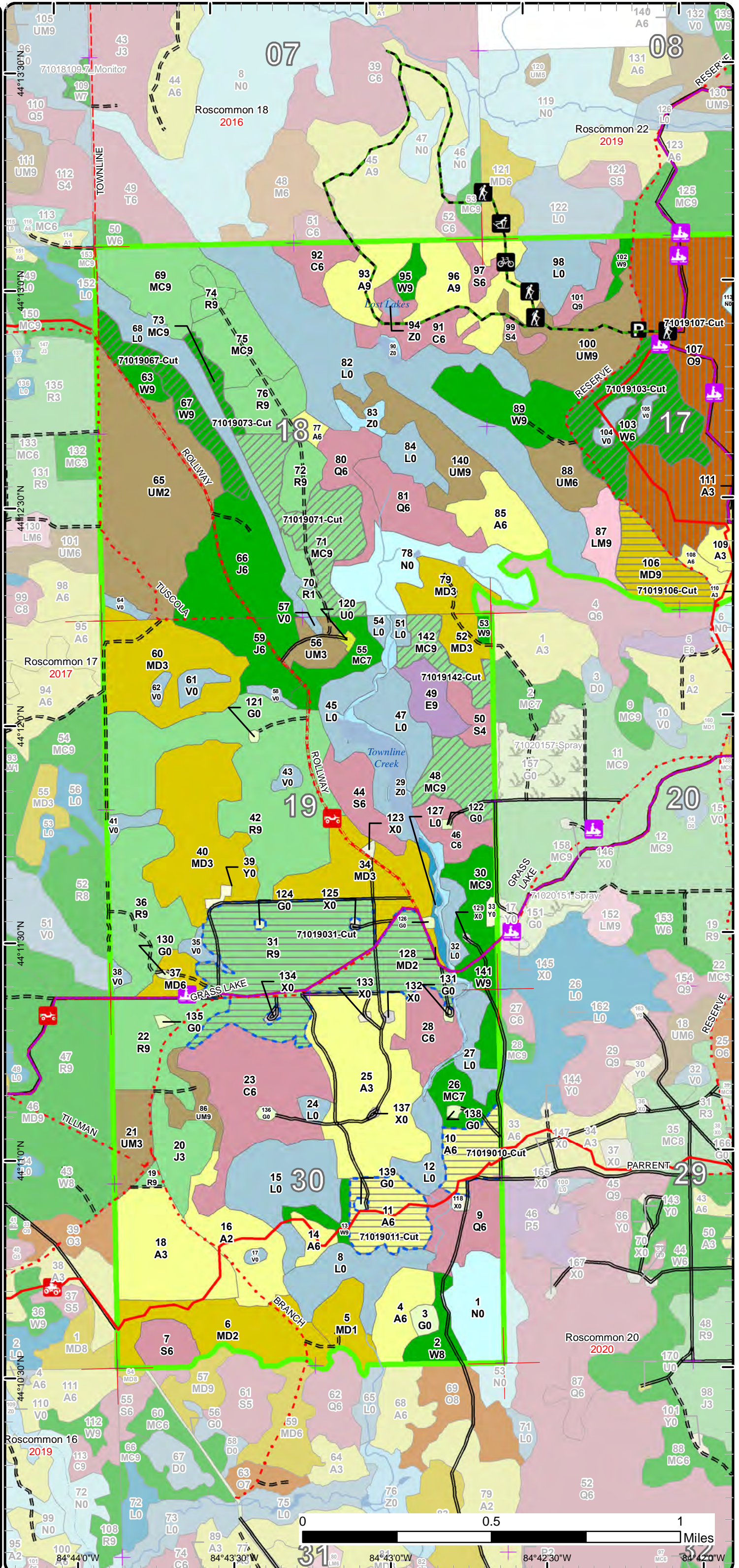
84°44'0"W 84°43'30"W 84°43'0"W 84°42'30"W 84°42'0"W 84°41'30"W
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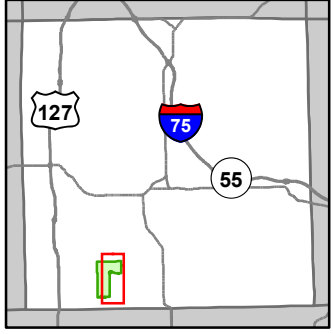
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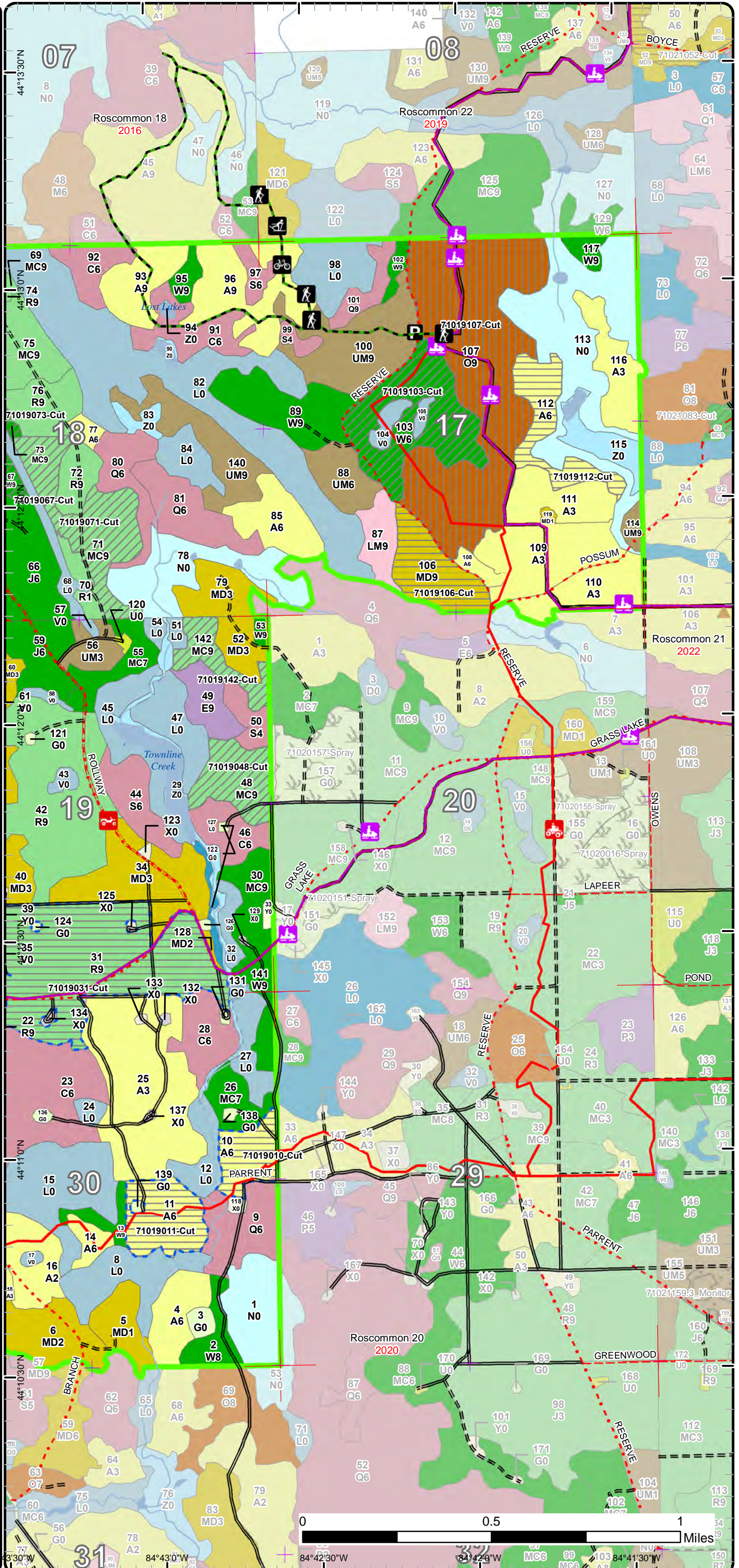
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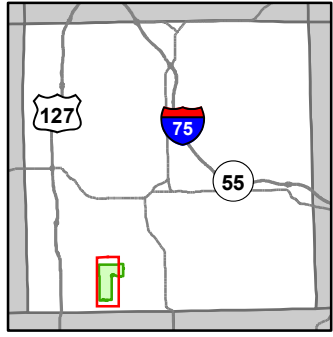


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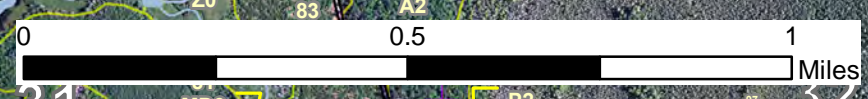
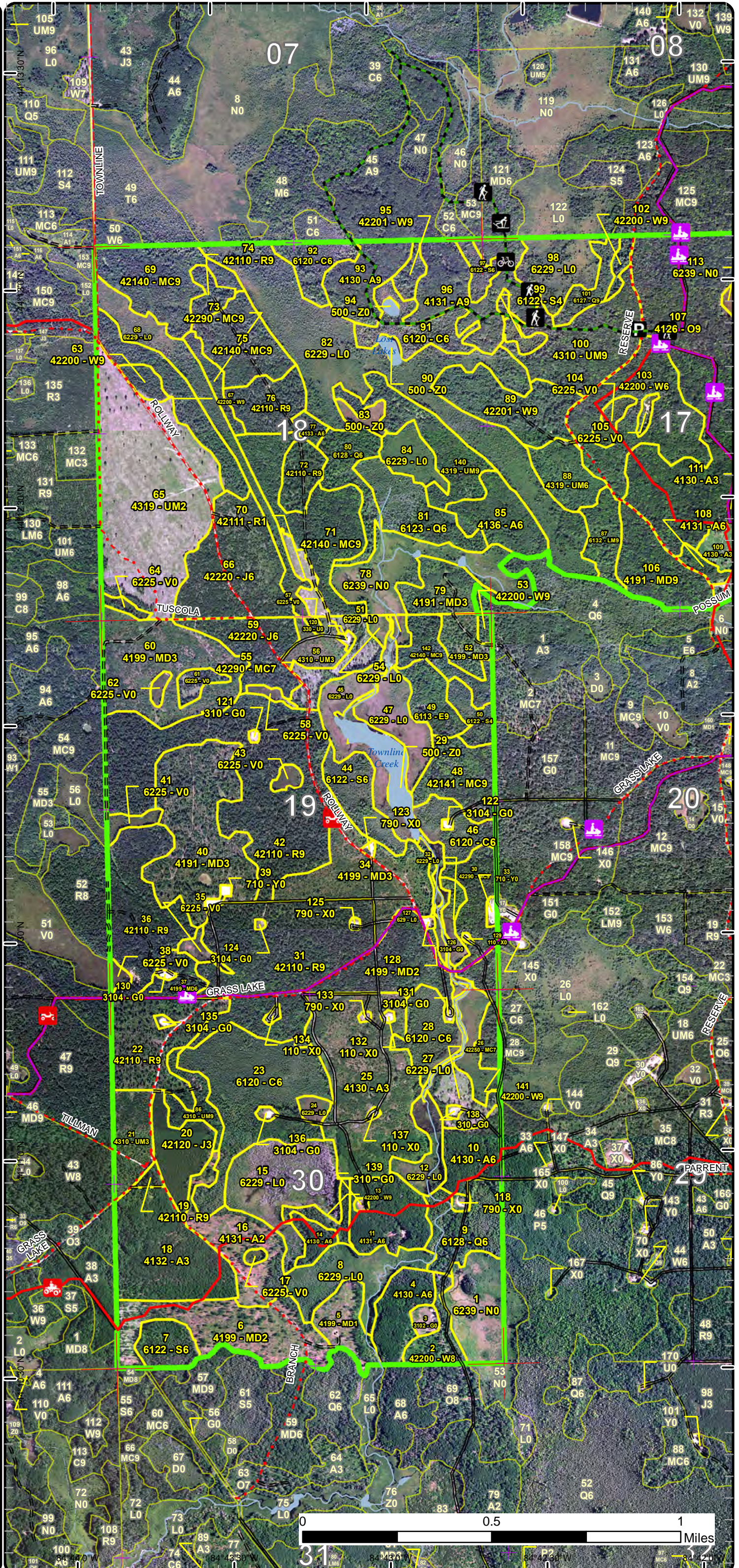


Stand Boundary Map

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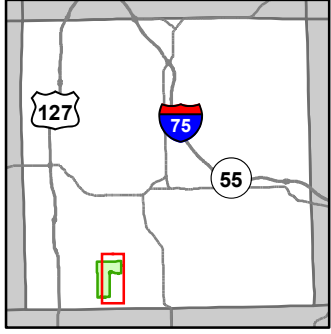


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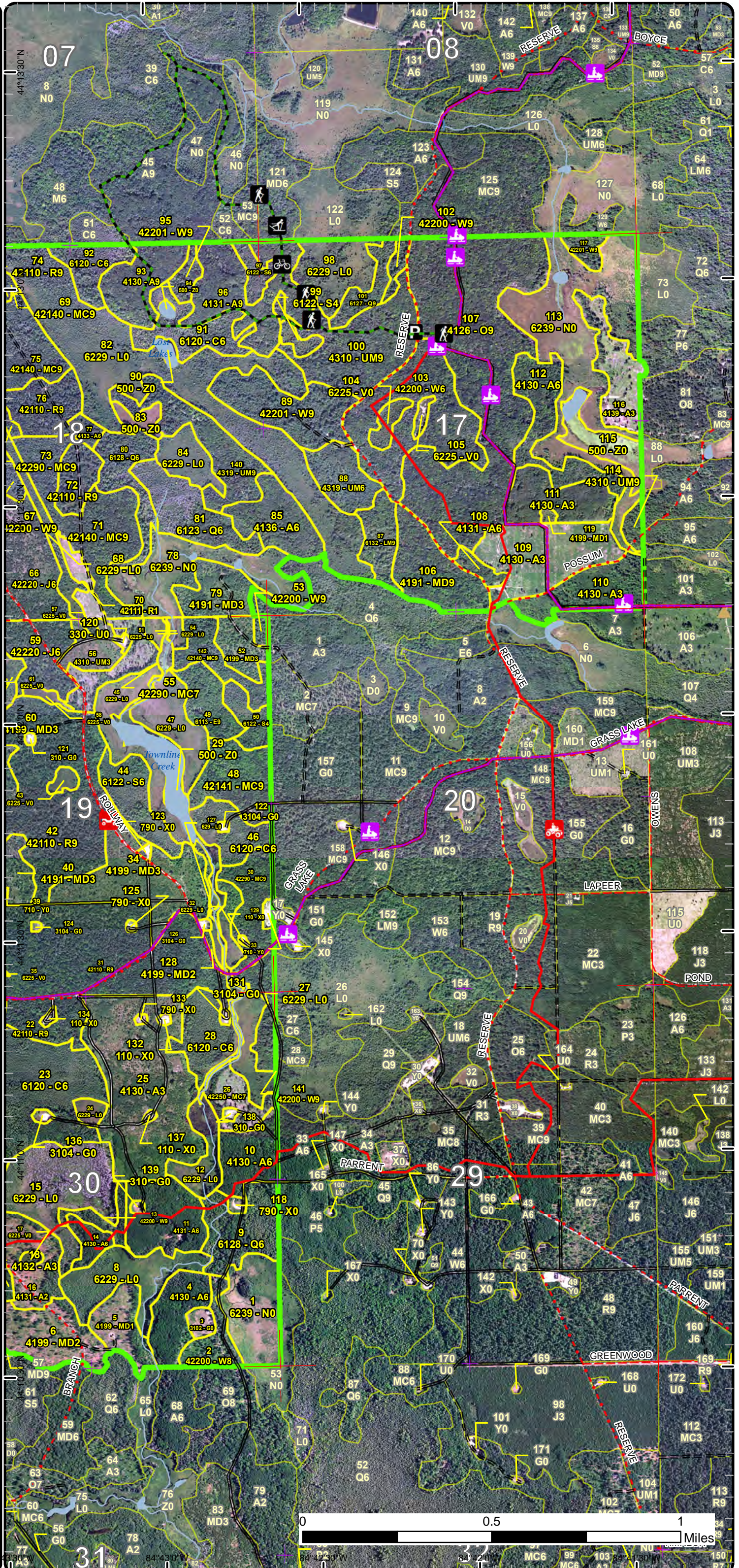


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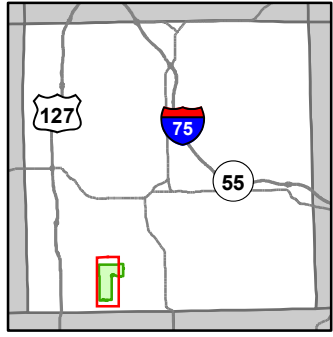


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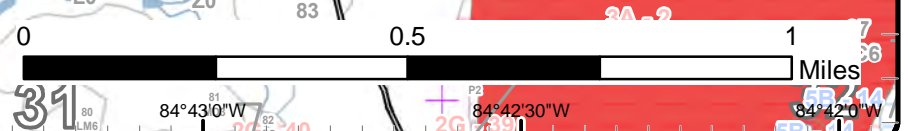
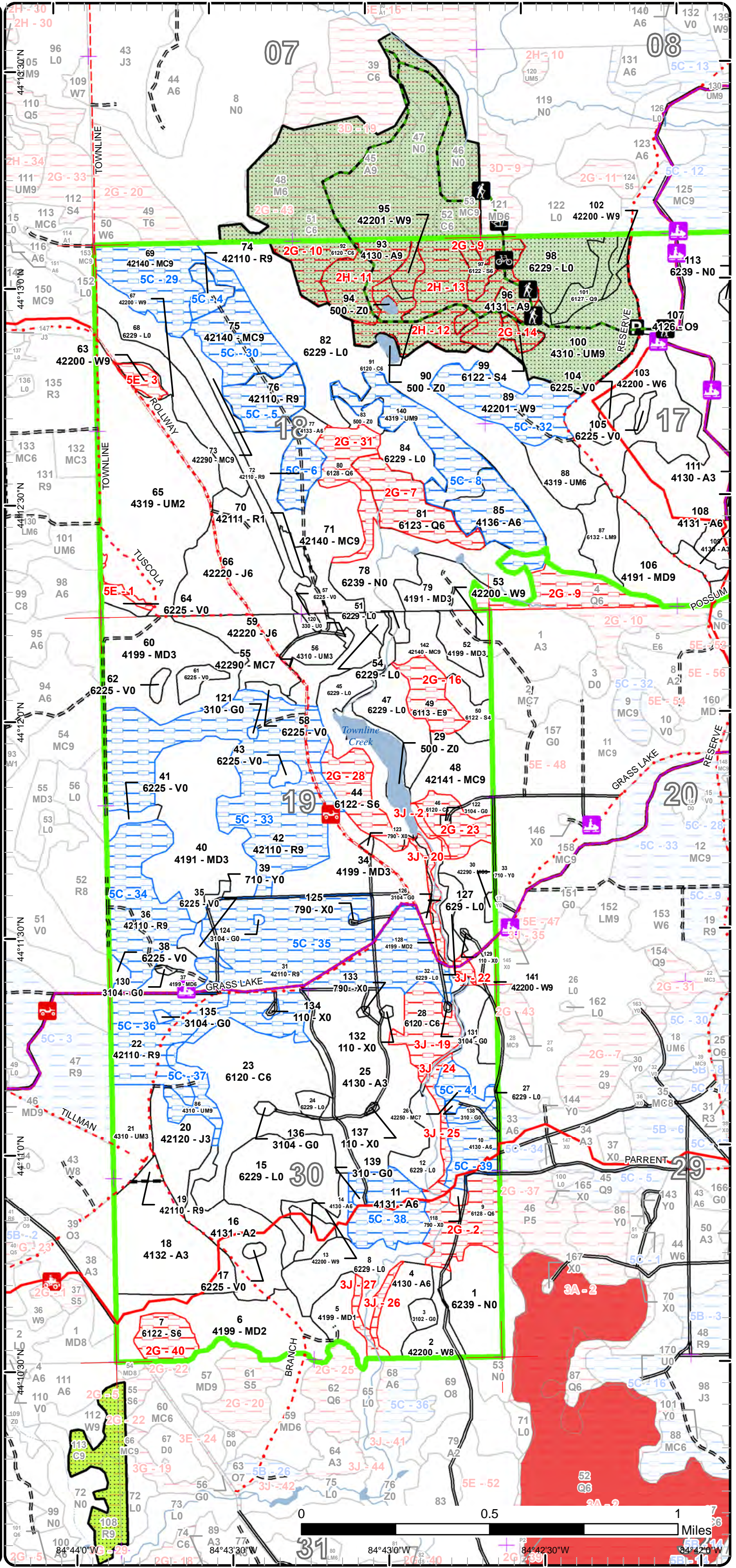


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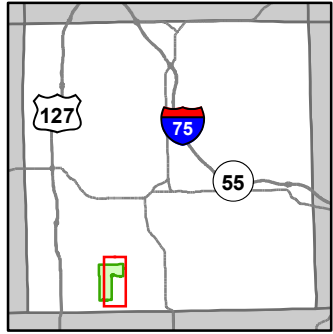


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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams
- Recreational/Scenic Value Area
- Possible Type 2 Old Growth

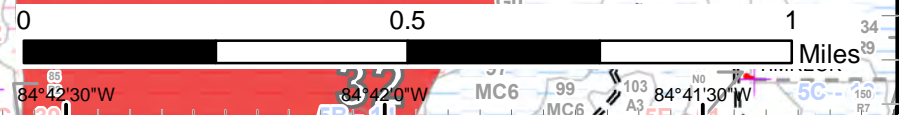
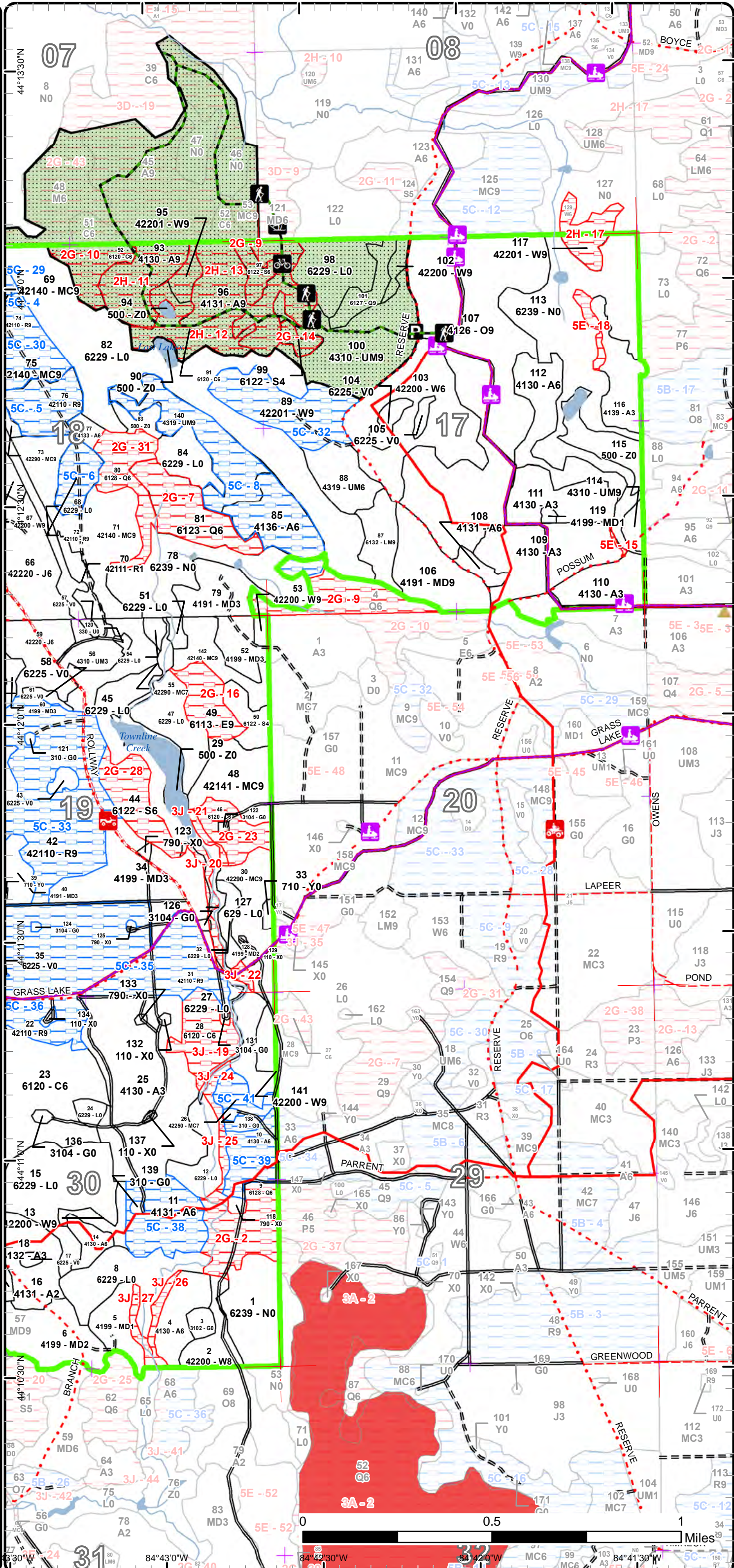


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- Cold Water Lakes
- Recreational/Scenic Value Area



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	82	94	28	46	46	43	0	0	0	0	57	0	0	0	0	0	17	412
Bare/Sparsely Vegetated	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Bog	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Cedar	0	0	0	0	0	0	0	0	0	73	17	31	0	0	0	0	0	0	121
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Jack Pine	0	0	0	19	0	22	46	0	0	0	0	0	0	0	0	0	0	0	87
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Conifers	0	0	0	0	0	0	0	9	17	24	23	0	0	0	0	0	0	0	73
Lowland Deciduous	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12
Lowland Shrub	309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	309
Lowland Spruce/Fir	0	0	0	0	0	0	0	3	8	34	0	0	0	0	0	0	0	0	45
Marsh	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
Mixed Upland Deciduous	0	58	148	27	0	9	0	0	0	0	0	25	0	0	0	0	0	0	267
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	49
Oak	0	0	0	0	0	0	0	0	0	0	0	124	0	0	0	0	0	0	124
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	25	107	0	0	0	0	0	0	0	132
Red Pine	0	6	0	0	0	0	0	0	0	0	320	0	0	0	0	0	0	0	326
Sand, Soil	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	98	10	32	0	0	67	0	0	0	10	4	0	0	0	0	0	0	221
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
White Pine	0	0	0	0	0	0	0	65	6	44	4	0	29	0	0	0	0	0	148
Total	533	244	252	106	46	77	156	12	90	187	570	245	0	29	0	0	0	17	2561



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 19
Total Compartment Acres: 2,558

Commercial Harvest - 321
Harvests with Site Condition - 146
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	62	0	0	0	0	0	0	0	0	62
Mixed Upland Deciduous	25	0	0	0	0	0	0	0	0	25
Natural Mixed Pines	0	0	0	0	6	0	0	0	0	6
Oak	0	0	0	124	0	0	0	0	0	124
Planted Mixed Pines	0	0	0	0	74	0	0	0	0	74
Red Pine	107	0	0	0	0	0	0	0	0	107
White Pine	0	0	0	0	70	0	0	0	0	70
Total	194	0	0	124	150	0	0	0	0	468

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	468	0	0	0	0	0	0	0	0	468
Next Step	0	107	107	0	0	213	211	0	0	637
Total	468	107	107	0	0	213	211	0	0	1105



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:

10	71019010-Cut	16.1	4130 - Aspen	Poletimber Well	48	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 2" spec. Leave retention along swamp edges. Apply drumming log and brush pile specs. ORV trail runs through the stand. Protect with the appropriate 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 at fully stocked levels</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Age-Class or Site Quality</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
11	71019011-Cut	23.6	4131 - Aspen, Oak	Poletimber Well	48	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 2" spec. Leave retention along swamp edges. Apply drumming log and brush pile specs. ORV trail runs through the stand. Protect with the appropriate 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 at fully stocked levels</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Age-Class or Site Quality</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
31	71019031-Cut	106.6	42110 - Planted Red Pine	Sawtimber Well	90	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 1" spec. Chipping of tops required. Leave retention along southern swamps, any bogs and Townline creek to the east. Trench and plant red pine in a free to grow scenario with all site prep tools available.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Free to grow red pine at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Age-Class or Site Quality</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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
48	71019048-Cut	21.8	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	91	111- 140	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Remove old, high risk oak and aspen. Target larger diameter red pine for removal as well as poor formed and suppressed pine. Focus growth on dominant white pine. Target a residual BA of 50-70. Open up the canopy to allow white pine to recruit. There is a set of test wells on the west part other the stand. Leave that area out of the treatment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
67	71019067-Cut	23.0	42200 - Natural White Pine	Sawtimber Well	94	111- 140	Harvest	Crown Thinning	4220 - Natural White Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand down to an average BA of 50-70. Target poor formed and suppressed pine for removal. Remove large diameter red pine over 14" and target growth on dominate white pine stems. Protect advanced regeneration with appropriate cutting specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
71	71019071-Cut	38.6	42140 - Planted Mixed Pine	Sawtimber Well	91	111- 140	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Thin stand down to an average of 50-70 B.A. Remove poor formed and suppressed pine. Remove red pine over 14" and favor nice formed white pine to take its place in the canopy. Heavily target the mature high risk oak. Remove all aspen. Protect white pine understory.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
73	71019073-Cut	5.9	42290 - Natural Mixed Pine	Sawtimber Well	91	111- 140	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Thin stand to an average BA of 50 -70. Remove poor formed and suppressed pine. Target large diameter red pine for removal. Focus growth on dominant white pine throughout the stand. Opening the canopy should allow advanced white pine an opportunity to grow. Protect understory.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></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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103	71019103-Cut	47.0	42200 - Natural White Pine	Poletimber Well	79	81-110	Harvest	Crown Thinning	4220 - Natural White Pine	Even-Aged	No
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Prescription Thin white pine down to an average of 50-70 BA. Target poor formed and suppressed pine for removal. Remove all aspen and high risk oak.
Specs: Retain some dominate white oak. Protect understory but expect damage. Snowmobile trail is close to stand. Protect with appropriate specs.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

106	71019106-Cut	25.2	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	102	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with a 2" spec. Manage the stand for aspen regeneration. Stand should regenerate to a mix of aspen, maple and some oak.
Specs: Leave an island of retention preferably in a area with low amounts of aspen present. Leave all white oak over 12" and white pine over 18". Add drumming log spec to harvesting contract.

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

Acceptable Aspen and mixed hardwoods at fully stocked levels.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

107	71019107-Cut	123.7	4126 - White, Black, N. Pin Oak	Sawtimber Well	104	81-110	Harvest	Shelterwood	412 - Oak Types	Even-Aged	No
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Prescription Thin/shelterwood stand and target 50-70 BA. Retain primarily healthy large crowned white oak and white pine. Remove all aspen. Remove the majority of black oak unless it appears healthy with a large crown or exhibits wildlife/den tree characteristics. Protect understory from logging damage. The snowmobile trail runs through the stand. Protect with appropriate specs.

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

Acceptable Aspen, oak, white pine and mixed hardwoods at fully stocked levels.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023



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
112	71019112-Cut	22.2	4130 - Aspen	Poletimber Well	54	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 2" spec. Leave any large crowned oak, especially white oak for mast. Leave 1-2 large crowned white pine/acre for aesthetics and vertical structure. Will lose acreage along swamp edge but will probably gain some along its west line amongst oak stand. Snowmobile trail lies on parts of its western border. Protect with appropriate specs. Add drumming log spec to harvesting contract.</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 and mixed hardwoods at fully stocked levels.</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>											
142	71019142-Cut	13.8	42140 - Planted Mixed Pine	Sawtimber Well	91	111- 140	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Thin stand down to around 50-70 BA. Remove much of the large diameter red pine above 14". Focus growth on dominant white pine. Remove all poor formed and suppressed pine. Remove all black oak as it is in heavy decline. Opening up the canopy should allow some white pine and maybe even some oak recruitment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											

Total Treatment 467.5
Acreage Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 19
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		5C	2G	2H	3E	3J	5E
412	288	58	66	Aspen	58	0	57		5	4
3	3	0	0	Bare/Sparsely Vegetated						
32	32	0	0	Bog						
121	59	0	61	Cedar		24	18		19	
10	9	0	1	Herbaceous Openland		0			0	
87	87	0	0	Jack Pine						
1	1	0	0	Low-Density Trees						
72	9	0	63	Lowland Conifers	0	63				
13	0	0	13	Lowland Deciduous		13				
12	12	0	0	Lowland Mixed Forest		0				
309	305	1	4	Lowland Shrub	1	0	0		3	
46	9	0	37	Lowland Spruce/Fir		37	0			
131	131	0	0	Marsh	0	0	0			0
267	262	0	5	Mixed Upland Deciduous		0		0	4	
49	37	9	3	Natural Mixed Pines	9				3	
124	124	0	0	Oak						
132	74	58	0	Planted Mixed Pines	58					
326	8	318	0	Red Pine	318					
3	3	0	0	Sand, Soil						
220	181	36	3	Upland Mixed Forest	36	0	0			3
2	2	0	0	Urban						
41	40	0	0	Water	0		0		0	
147	103	29	15	White Pine	29		10		1	4
2,558	1,779	509	271	Total Forested Acres	509	139	85	0	36	10
	70%	20%	11%	Relative Percent						

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

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

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 19
Year of Entry: 2024

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Checked per SBW analysis							
3	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

Compartment: 19
Year of Entry: 2024

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

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13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 19
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19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

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Year of Entry: 2024

31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	103	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	107	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 19
Year of Entry: 2024

36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Jason Lewicki : Examiner

Compartment: 19

Year of Entry: 2024

41	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
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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
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
1	6239 - Mixed Emergent Wetland	Nonstocked	24.5			No																																							
2	42200 - Natural White Pine	Sawtimber Medium	10.7	70	1-50	N/A	Stand had all of the oak cut out of it last entry. Heavy understory of advanced oak regeneration. Understory is growing up into the canopy.																																						
<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>White Pine</td> <td>60</td> <td>Log/Pole</td> <td>10</td> <td>70</td> </tr> <tr> <td>Red Pine</td> <td>40</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	60	Log/Pole	10	70	Red Pine	40	Log/Pole	10		<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>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	White Pine	Medium	5 - 10 feet	Sapling	Black/Red (Hybrid) Oak	High	5 - 10 feet	Sapling											
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White Pine	Medium	5 - 10 feet	Sapling																																										
Black/Red (Hybrid) Oak	High	5 - 10 feet	Sapling																																										
3	3102 - Grass	Nonstocked	3.1			No	Deep Well Drilling Pad, plugged 1989																																						
4	4130 - Aspen	Poletimber Well	17.2	47	81-110	N/A	Bigtooth aspen stand with some oak and red pine supercanopy. Oak is found scattered and in small groups.																																						
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White Pine	Medium	>20 feet	Pole																																										
5	4199 - Other Mixed Upland Deciduous	Sapling Poor	14.6	7	Immature	N/A	Oak clearcut struggling to regenerate.																																						
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Black/Red (Hybrid) Oak	20	Sapling	1																																										
6	4199 - Other Mixed Upland Deciduous	Sapling Medium	43.2	7	Immature	N/A	Scattered mature pine over oak and aspen regeneration.																																						
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7	6122 - Black Spruce	Poletimber Well	11.5	85	111-140	N/A	Areas of very nice quality black spruce.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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8	6229 - Mixed lowland shrub	Nonstocked	25.4		Unspecified	No	
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9	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	23.5	80	81-110	N/A	Variable stand. Contains some upland areas smaller than mapping standards. Townline creek flows through west side.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole	8		Balsam Fir	High	10 - 20 feet	Sapling
Balsam Fir	35	Pole	8					
White Pine	3	Log/Pole	10					
Northern White Cedar	40	Pole	8	80				
Red Pine	2	Log/Pole	12					
Red Maple	15	Log/Pole	10					

10	4130 - Aspen	Poletimber Well	16.1	48	111-140	N/A	bigtooth aspen stand with some older oak and red pine scattered about.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen	70	Pole/Log	8	48	Balsam Fir	Low	Variable	Sapling
Red Pine	5	Log	12		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log	14					
White Pine	10	Pole/Log	9					

11	4131 - Aspen, Oak	Poletimber Well	23.6	48	111-140	N/A	Bigtooth aspen pole timber stand with scattered oak and pine supercanopy. It would be nice to hold until aspen grows into sawtimber.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole	6		Balsam Fir	Low	10 - 20 feet	Sapling
Red Pine	2	Log	12		White Pine	Medium	>20 feet	Sapling
Red Maple	5	Log/Pole	10		Red Maple	Low	5 - 10 feet	Sapling
White Oak	10	Log	14		Witch Hazel	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	65	Pole/Log	8	48				
Black/Red (Hybrid) Oak	13	Log	14					

12	6229 - Mixed lowland shrub	Nonstocked	11.9		Unspecified	No	
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13	42200 - Natural White Pine	Sawtimber Well	6.1	80	111-140	N/A	Small narrow stand of small diameter sawtimber white pine. Stand is split by small creek. A few large white pine growing along creek. ORV trail runs through stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	10	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	5	Log	12					
Bigtooth Aspen	2	Log	10					
White Pine	83	Log/Pole	10	80				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
14	4130 - Aspen	Poletimber Well	5.9	47	81-110	N/A	Small stand of mixed aspen. ORV trail runs through stand. Unaccessible for harvesting purposes. Beaver damage in some areas.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		2	Log/Pole	10		Balsam Fir	Medium	5 - 10 feet	Sapling
Red Pine		2	Log/Pole	12		Black Spruce	Low	5 - 10 feet	Sapling
Quaking Aspen		15	Pole	8	47	White Pine	Medium	5 - 10 feet	Sapling
Bigtooth Aspen		81	Pole/Log	8	47	Red Maple	Medium	5 - 10 feet	Sapling
15	6229 - Mixed lowland shrub	Nonstocked	38.5		Unspecified	No	Old beaver flooding		
16	4131 - Aspen, Oak	Sapling Medium	27.3	6	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		2	Log	12					
White Pine		2	Sapling	1					
Black/Red (Hybrid) Oak		34	Sapling	1	6				
White Pine		2	Pole/Log	8					
Red Maple		20	Sapling	1	6				
Bigtooth Aspen		40	Sapling	1	6				
17	6225 - Bog	Nonstocked	1.2		Unspecified	No			
18	4132 - Aspen, Jack Pine	Sapling Well	45.8	34	1-50	N/A	Aspen, oak and jack pine stand. Some trees entering pole timber size		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		45	Sapling/Pole	3	34	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		35	Sapling/Pole	3		White Pine	Low	5 - 10 feet	Sapling
Jack Pine		20	Sapling/Pole	4		Pin Cherry	Medium	5 - 10 feet	Sapling
19	42110 - Planted Red Pine	Sawtimber Well	1.9	91	81-110	N/A	Small stand of red pine mixed with jack pine and poor quality oak.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		5	Log/Pole	10		White Pine	Medium	10 - 20 feet	Sapling
Red Pine		80	Log	14	91	Pin Cherry	Low	5 - 10 feet	Sapling
Jack Pine		5	Log/Pole	10		Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
White Pine		10	Pole/Log	8					
20	42120 - Planted Jack Pine	Sapling Well	18.6	20	Immature	N/A	PRESCRIBED BURN STAND IN 1997 FOR SLASH. ON 4-26-01		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		10	Sapling	2		Pin Cherry	Low	Variable	Sapling
Jack Pine		86	Sapling	3	20				
Pin Cherry		2	Sapling	2					
Quaking Aspen		2	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
21	4310 - Pine, Oak Mix	Sapling Well	16.6	20	Immature	N/A	PRESCRIBED BURN STAND IN 1997 FOR SLASH ON 4-26-01 THE AREA WAS HAND PLANTED WITH 2-0 RED PINE.																																													
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Pin Cherry	5	Sapling	2																																																	
22	42110 - Planted Red Pine	Sawtimber Well	34.4	91	1-50	N/A	Stand was selected for RPP and was shelterwood/seed tree cut. Little to no red pine is expected due to hardwood competition. Some pole timber red maple and aspen were left. Open areas have the regeneration technically is in the canopy																																													
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23	6120 - Lowland Cedar	Poletimber Well	59.1	85	Unspecified	N/A																																														
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24	6229 - Mixed lowland shrub	Nonstocked	3.0		Unspecified	No																																														
25	4130 - Aspen	Sapling Well	72.0	15	Immature	N/A	Aspen stand with some stump sprout oak mixed in. Scattered white oak left from harvest. Some areas heavier to oak and cherry.																																													
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Pin Cherry	5	Sapling	1																																																	
26	42250 - Pine, Oak	Sawtimber Poor	11.7	95	1-50	N/A	Stand was seed tree cut last entry. A good mixed understory developing.																																													
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27	6229 - Mixed lowland shrub	Nonstocked	12.2		Unspecified	No																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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28	6120 - Lowland Cedar	Poletimber Well	17.2	95	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		70	Pole	8	95	Balsam Fir	Full	5 - 10 feet	Sapling
Black Spruce		25	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir		5	Pole	6		Black Spruce	Low	5 - 10 feet	Sapling

29	500 - Water	Nonstocked	21.2		Unspecified	No	
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30	42290 - Natural Mixed Pine	Sawtimber Well	17.3	90	81-110	N/A	Mixed pine and oak stand. Oak is old and of poor quality. Good advanced white pine regen , some making it into the canopy. Scattered mature red and white pine. Harvesting in this stand would cause too much damage from large crowned oaks. Reevaluate next entry.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		20	Log/Pole	13		White Pine	High	Variable	Sapling
Bigtooth Aspen		2	Log	12					
Black/Red (Hybrid) Oak		20	Log/Pole	12					
White Pine		53	Pole/Log	8	90				
Red Maple		5	Pole/Log	8					

31	42110 - Planted Red Pine	Sawtimber Well	106.6	90	111-140	N/A	Thinned in the fall of 2016. Heavy hardwoods sprouting in green understory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		2	Pole/Log	8		White Pine	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak		1	Log	12		Pin Cherry	Medium	5 - 10 feet	Sapling
Red Pine		87	Log	14	90	Red Maple	Medium	5 - 10 feet	Sapling
White Pine		10	Pole	8		Balsam Fir	Low	Variable	Sapling
						Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
						Bigtooth Aspen	Low	5 - 10 feet	Sapling

32	6229 - Mixed lowland shrub	Nonstocked	5.7		Unspecified	No	
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33	710 - Sand, Soil	Nonstocked	1.3		Unspecified	CPF/Well Site	
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34	4199 - Other Mixed Upland Deciduous	Sapling Well	39.2	17	Immature	N/A	Red pine palntation with heavy hardwood competition in the form of aspen, oak and cherry.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		10	Sapling	2			
Pin Cherry		20	Sapling	2			
Bigtooth Aspen		10	Sapling	2			
Red Maple		10	Sapling	2			
Quaking Aspen		10	Sapling	1			
Black/Red (Hybrid) Oak		40	Sapling	2	17		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
35	6225 - Bog	Nonstocked	3.4		Unspecified	No																																									
36	42110 - Planted Red Pine	Sawtimber Well	40.7	91	81-110	N/A	1931 red pine plantation. Thinned in the fall of 2016. Much of the oak that was left after the thinning has died.																																								
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37	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.8	45	1-50	N/A	Old records indicate a "habitat cut".																																								
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38	6225 - Bog	Nonstocked	1.9		Unspecified	No																																									
39	710 - Sand, Soil	Nonstocked	1.3		Unspecified	No	Old Well site, plugged in 1950's																																								
40	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	59.1	12	Immature	N/A	Stand was part of RPP and was harvested as a "seed tree". Scattered red pine and islands of red pine left. Advanced oak understory was protected and left and is now coded as the canopy. A few scattered red pine found but will likely be in the subcanopy in the future. Some red pine is found along the N/S two track.																																								
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41	6225 - Bog	Nonstocked	4.0		Unspecified	No																																									
42	42110 - Planted Red Pine	Sawtimber Well	102.6	91	81-110	N/A	1931 plantation that was species thinned in the past. Understory is "dog hair" advanced oak regeneration. Some white pine regen in spots. BA is variable. some dense 150+ areas and areas with very little.																																								
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43	6225 - Bog	Nonstocked	2.6		Unspecified	No																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
44	6122 - Black Spruce	Poletimber Well	17.0	85	81-110	N/A	Typical lowland swamp. Has 2 pockets of high ground with some large diameter white pine on them.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		5	Pole	6		Balsam Fir		High	10 - 20 feet	Sapling
White Pine		8	Log/XLog	16		Black Spruce		Low	5 - 10 feet	Sapling
Northern White Cedar		37	Pole/Log	8		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Black Spruce		50	Pole/Log	8	85					
45	6229 - Mixed lowland shrub	Nonstocked	19.6		Unspecified	No				
46	6120 - Lowland Cedar	Poletimber Well	14.0	85	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple		30	Pole/Log	8		Balsam Fir	Medium	5 - 10 feet	Sapling	
Balsam Fir		15	Pole	6		Black Spruce	Low	5 - 10 feet	Sapling	
Black Spruce		5	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub	
Northern White Cedar		50	Pole/Log	8	85					
47	6229 - Mixed lowland shrub	Nonstocked	17.8		Unspecified	No				
48	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	21.8	91	111-140	N/A	Mixed stand of oak, maple and pine. Heavy balsam fir and white pine understory. Low quality oak in decline. Heavier to red pine on south end. Small pocket of lowland on southern end. Stand appears natural but old planting cards indicate it was planted in 1931. Old test wells from small spill in the SW part of the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		15	Log/Pole	13	91	Balsam Fir		Medium	5 - 10 feet	Sapling
White Pine		53	Log/Pole	10	91	Red Maple		Low	10 - 20 feet	Sapling
Red Pine		20	Log/Pole	13		White Pine		Medium	5 - 10 feet	Sapling
Bigtooth Aspen		2	Log/Pole	12						
49	6113 - Lowland Maple	Sawtimber Well	13.2	85	81-110	N/A	Primarily a red maple stand with balsam and white pine in the understory. Much of the stand would probably give us operability problems if harvested.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		92	Log/Pole	12	85	Balsam Fir		High	Variable	Sapling
Bigtooth Aspen		5	Log	12		White Pine		High	Variable	Sapling
Black/Red (Hybrid) Oak		1	Log	12		Red Maple		Low	5 - 10 feet	Sapling
White Pine		2	Log/Pole	10						
50	6122 - Black Spruce	Poletimber Poor	8.3	75	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Black Spruce		85	Pole/Sapling	3	75	Tag Alder	Full	5 - 10 feet	Tall Shrub	
White Pine		10	Pole/Sapling	3						
Balsam Fir		5	Pole/Sapling	3						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
51	6229 - Mixed lowland shrub	Nonstocked	2.2		Unspecified	No																																														
52	4199 - Other Mixed Upland Deciduous	Sapling Well	10.2	27	Immature	N/A	Oak stump sprout stand with cherry.																																													
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53	42200 - Natural White Pine	Sawtimber Well	1.9	75	81-110	N/A	Small stand of sawtimber white pine. Treat with the compartment to the east.																																													
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54	6229 - Mixed lowland shrub	Nonstocked	2.3		Unspecified	No																																														
55	42290 - Natural Mixed Pine	Sawtimber Poor	14.0	95	1-50	N/A	Stand was seed tree cut last entry. Syltump sprout oak present. White pine seems to be seeding in very well.																																													
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56	4310 - Pine, Oak Mix	Sapling Well	9.8	17	Immature	N/A	Young Red pine plantation with scattered oak, cherry and aspen. A few jack pine seedlings. Fed pine is beginning to gain space in the canopy since last inventory time.																																													
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59	42220 - Natural Jack Pine	Poletimber Well	22.2	46	81-110	N/A	Records show that this stand was harvested then rollerchopped in 1976. More diverse than the stand to the north. Better stocking and better diameter also. Scattered pine and oak sawtimber Scattered around.																																																		
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60	4199 - Other Mixed Upland Deciduous	Sapling Well	48.8	17	Immature	N/A	Stand is growing a good mix of oak and aspen.																																																		
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61	6225 - Bog	Nonstocked	4.7		Unspecified	No																																																			
62	6225 - Bog	Nonstocked	1.9		Unspecified	No																																																			
63	42200 - Natural White Pine	Sawtimber Well	4.8	94	111-140	N/A	Natural white pine stand with some red pine mixed in. Stand averages around 100 B.A. Stand could be thinned.																																																		
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64	6225 - Bog	Nonstocked	2.4		Unspecified	No																																																			
65	4319 - Mixed Upland Forest	Sapling Medium	98.1	5	Immature	N/A	Stand was final harvest in the spring 2016 and is trenched and planted to jack pine under FTP #C71-968. Stand planted to jack pine in 2017. Third year regeneration check found TPA of jack pine to be 560. Many natural jack pine mixed in with thick/tall oak and cherry competition. Some scattered mature oak and pine left from previous stand.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
66	42220 - Natural Jack Pine	Poletimber Well	46.1	50	1-50	N/A	OI indicates 1972 Yr Origin. Stand was probably roller chopped like the similar stand to the south. Open areas contain cherry and jack pine saplings.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		2	Pole	6		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		5	Pole/Sapling	5		White Pine		Low	Variable	Sapling
Jack Pine		93	Pole/Sapling	5	50	Pin Cherry	Medium	5 - 10 feet	Sapling	
67	42200 - Natural White Pine	Sawtimber Well	23.2	94	111-140	N/A	Natural white pine stand with some red pine mixed in. Stand averages around 100 B.A. Stand could be thinned.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		2	Pole/Log	8		Red Maple		Low	10 - 20 feet	Sapling
White Pine		83	Log/Pole	12	94	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Red Pine		10	Log/Pole	12		White Pine		Low	Variable	Sapling
Black/Red (Hybrid) Oak		3	Pole/Log	8		Pin Cherry		Low	5 - 10 feet	Sapling
White Oak		2	Pole	6						
68	6229 - Mixed lowland shrub	Nonstocked	29.0		Unspecified	No				
69	42140 - Planted Mixed Pine	Sawtimber Well	33.0	91	81-110	N/A	Stand of red and white pine with higher water table than stands to the south. Stand appears to have had all the hardwoods removed in the past. Fairly heavy understory of red maple saplings. A few pockets of pole size aspen. Planting cards indicate this was planted to red pine in the fall of 1931. Scattered large diameter white pine. Old notes indicate it was planted to red pine but definitely has a natural look to it. Let aspen grow another 10 years before harvesting again.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		35	Log	12		Red Maple		High	10 - 20 feet	Sapling
Red Maple		5	Pole/Log	8						
White Pine		53	Log/Pole/XLog	12	91					
Quaking Aspen		2	Pole	6						
Bigtooth Aspen		5	Pole	5						
70	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	6.0	5	Immature	N/A	Stand final harvested in spring 2016 and is trenched waiting to be planted back to red pine under FTP# C71-968. Stand planted to red pine in 2017. Third year regeneration check found just over 800 TPA average and high percentage free to grow. Does not need release treatment at this time			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		73	Sapling	1	5					
Black/Red (Hybrid) Oak		25	Sapling	1						
71	42140 - Planted Mixed Pine	Sawtimber Well	38.6	91	111-140	N/A	Stand of mixed red and white pine. Some scattered oak and some clones of bigtooth aspen especially on east side. Old planting records indicate area was planted to red pine in 1931. Oak within the stand is overmature and showing signs of decline..			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		5	Log	10		Balsam Fir		Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		10	Log/Pole	13		White Pine		Medium	Variable	Sapling
White Pine		54	Log/Pole	12	91					
Red Pine		30	Log/Pole	12	91					
Jack Pine		1	Pole/Log	9						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
72	42110 - Planted Red Pine	Sawtimber Well	10.7	91	51-80	N/A	Stand appears to have been shelterwood cut in the past. Open areas are dominated by jack pine and oak that are transitioning into poletimber.																																										
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73	42290 - Natural Mixed Pine	Sawtimber Well	5.9	91	111-140	N/A	Strip of primarily white pine mixed with red pine along swamp edge. Appears to have never been thinned. Old planting notes indicate entire area was planted to red pine in 1931. North end is primarily white pine and the southern end contains more red pine.																																										
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74	42110 - Planted Red Pine	Sawtimber Well	6.2	91	81-110	N/A	Thinned in 1997. Old planting cards indicate a 1931 red pine plantation. Contains an old turn around landing that has filled in with natural red pine saplings.																																										
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75	42140 - Planted Mixed Pine	Sawtimber Well	24.6	89	81-110	N/A	Mix of red and white pine stand that was thinned in the past. Heavier red pine component on west side of stand. Pockets or clones of aspen that sprouted after thinning. Possible wait another 10 years before harvesting stand to allow more growth on the aspen?																																										
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76	42110 - Planted Red Pine	Sawtimber Well	16.9	91	81-110	N/A	Old planting notes indicate area was planted to red pine in 1931. Stand was thinned in the past. It has a heavy understory of oak and white pine. BA averages around 100.																																										
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77	4133 - Aspen, Mixed Pine	Poletimber Well	3.3	26	81-110	N/A																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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78 6239 - Mixed Emergent Wetland Nonstocked 35.8 Unspecified No

79 4191 - Mixed Upland Deciduous with Conifer Sapling Well 16.0 27 Immature N/A Pockets and clones of aspen with scattered oak and pine. Areas of heavy cherry. Beaver activity on north end.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Sapling/Pole	4	27	White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	30	Sapling/Pole	4	27	Pin Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen	10	Sapling/Pole	4	27				
White Pine	15	Pole/Sapling	5					
Pin Cherry	30	Sapling	2					
Jack Pine	5	Sapling	2					

80 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 17.3 79 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole/Log	8		Black Spruce	Low	5 - 10 feet	Sapling
Balsam Fir	30	Pole	6	79	Tag Alder	High	5 - 10 feet	Tall Shrub
Black Spruce	15	Pole	6		Balsam Fir	Medium	5 - 10 feet	Sapling
Northern White Cedar	5	Pole/Log	8					
Red Maple	25	Pole/Log	8					
White Pine	20	Pole/Log	9					

81 6123 - Lowland Fir Poletimber Well 22.8 94 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Black Spruce	30	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	50	Pole	8	94	Black Spruce	Low	Variable	Sapling

82 6229 - Mixed lowland shrub Nonstocked 107.2 No Tag alder with some scattered balsam fir.

83 500 - Water Nonstocked 4.3 Unspecified No

84 6229 - Mixed lowland shrub Nonstocked 11.1 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
85	4136 - Aspen, Mixed Conifer	Poletimber Well	20.3	57	111-140	N/A	Second growth aspen stand. No access. Possibly habitat cut in the past.																																															
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86	4310 - Pine, Oak Mix	Sawtimber Well	9.7	93	81-110	N/A	Small stand of mature oak and red pine. A small pocket of aspen. Area that looks an old oil well pad that's been reclaimed by jack pine. Stand would probably struggle to regenerate hardwoods after a harvest being so close to a lowland conifer stand.																																															
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87	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	12.2	84	51-80	N/A																																																
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88	4319 - Mixed Upland Forest	Poletimber Well	15.1	27	Immature	N/A	Clone or patch of aspen by old landing and two track. Rest of stand is dominated by white pine and red maple. South west part of stand is wetter with some tag alder.																																															
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89	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	29.2	120	51-80	N/A	Variable white pine stand that was shelterwood cut in 1997 and had all hardwoods removed. Some open areas aspen, maple and white pine saps are technically in the canopy																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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90 500 - Water Nonstocked 1.8 Unspecified No

91 6120 - Lowland Cedar Poletimber Well 18.3 102 111-140 N/A

Lowland conifer stand with areas dominated by cedar other areas by spruce mix.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/XLog	14		Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	30	Pole	6		Black Spruce	Low	5 - 10 feet	Sapling
Northern White Cedar	50	Pole/Log	8	102	White Pine	Low	Variable	Sapling
Red Maple	10	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole	6					

92 6120 - Lowland Cedar Poletimber Well 12.3 102 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	6		Black Spruce	Medium	5 - 10 feet	Sapling
Northern White Cedar	85	Pole/Log	8	102	Tag Alder	High	5 - 10 feet	Tall Shrub
White Pine	5	Log	10		Balsam Fir	Medium	5 - 10 feet	Sapling

93 4130 - Aspen Sawtimber Well 20.0 102 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1	Log	14		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	10	Pole/Log	8		Red Maple	Low	5 - 10 feet	Sapling
White Oak	5	Log/Pole	10		White Pine	High	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole	13					
Bigtooth Aspen	69	Log/Pole	12	102				
White Pine	5	Log/XLog	16					

94 500 - Water Nonstocked 0.7 Unspecified No

95 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 4.7 94 81-110 N/A

96 4131 - Aspen, Oak Sawtimber Well 36.9 102 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	8		White Pine	High	>20 feet	Sapling
White Oak	5	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	55	Log/Pole	10	102				
White Pine	5	Log/Pole	10					
Black/Red (Hybrid) Oak	30	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
97	6122 - Black Spruce	Poletimber Well	5.7	84	51-80	N/A																																																								
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101	6127 - Lowland Pine	Sawtimber Well	8.8	65	51-80	N/A	Stand had hardwoods removed in 1997.																																																							
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102	42200 - Natural White Pine	Sawtimber Well	3.6	109	81-110	N/A	Thinned in 1997. Heavy understory.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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103	42200 - Natural White Pine	Poletimber Well	47.0	79	81-110	N/A	Natural white pine stand with some oak and aspen mixed in. White pine is on a good site with good form.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Log	14		White Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	10	Pole	6		White Pine	Low	Variable	Sapling
White Oak	2	Log/Pole	12					
White Pine	72	Pole/Log	9	79				
Red Pine	1	Log	12					
Red Maple	5	Pole/Log	8					

104	6225 - Bog	Nonstocked	4.6		Unspecified	No	
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105	6225 - Bog	Nonstocked	2.0		Unspecified	No	
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106	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	25.2	102	81-110	N/A	Mix of oak, white pine and bigtooth aspen. Some aspen is large and overmature. Black oak is overmature and in decline. Some scattered large crowned white oak present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Log	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	31	Log/Pole	12	102	Balsam Fir	Low	Variable	Sapling
White Pine	25	Log/Pole	12		White Pine	Medium	Variable	Sapling
Red Pine	2	Log	12					
Red Maple	15	Pole/Log	8					
Black/Red (Hybrid) Oak	22	Log/Pole	12	102				

107	4126 - White, Black, N. Pin Oak	Sawtimber Well	123.7	104	81-110	N/A	Mixed stand of oak and white pine. White oak and white pine are doing well with good form. Black oak is in decline and more prevalent on the north end. There are scattered sawtimber aspen throughout. There is pockets of poletimber aspen found mostly on the south end. The snowmobile trail runs through the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	35	Log	14	104	White Oak	Low	< 5 feet	Sapling
Red Maple	5	Pole/Log	9		White Pine	Medium	Variable	Sapling
White Oak	30	Log	12					
White Pine	20	Pole/Log	9					

108	4131 - Aspen, Oak	Poletimber Well	4.0	26	1-50	N/A	Northern has more oak and maple along with some mature red pine left after harest. Transitioning to poletimber size.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling/Pole	3		Red Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen	56	Pole/Sapling	5	26	Pin Cherry	Low	Variable	Sapling
Black/Red (Hybrid) Oak	20	Sapling/Pole	3					
Bigtooth Aspen	5	Sapling	2					
Red Pine	4	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
109	4130 - Aspen	Sapling Well	35.4	6	Immature	N/A	Stand final harvested in spring 2016.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		77	Sapling	1	6	Witch Hazel	
Quaking Aspen		15	Sapling	1		Red Maple	
Black/Red (Hybrid) Oak		4	Sapling	1		Density	
Black Cherry		2	Sapling	1		Avg. Height	
Red Maple		2	Sapling	1		Size	
						Tall Shrub	
						Sapling	
110	4130 - Aspen	Sapling Well	21.7	16	Immature	N/A	Primarily a bigtooth aspen stand with some supercanopy pine scattered throughout.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Sapling	3		Witch Hazel	
Quaking Aspen		8	Sapling	3		Red Maple	
Bigtooth Aspen		73	Sapling/Pole	3	16	Density	
Black/Red (Hybrid) Oak		2	Sapling	2		Avg. Height	
White Pine		10	Log/Pole	10		Size	
Red Pine		2	Log	14		Tall Shrub	
						Sapling	
111	4130 - Aspen	Sapling Well	20.7	26	Immature	N/A	Transitioning quickly to poletimber size. Much of the bigtooth on the sw side has already done that.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		80	Sapling/Pole	3	26	Pin Cherry	
Black/Red (Hybrid) Oak		3	Sapling/Pole	3		Red Maple	
Pin Cherry		2	Sapling	3		Density	
Bigtooth Aspen		15	Pole/Sapling	5		Avg. Height	
						Size	
						Sapling	
						Sapling	
112	4130 - Aspen	Poletimber Well	22.2	54	81-110	N/A	Mixed aspen stand with some white pine, oak and maple. Some low areas to the SE. Quaking aspen is mature.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Pole/Log	8	54	Red Maple	
Bigtooth Aspen		15	Pole/Log	9		White Pine	
Quaking Aspen		45	Pole/Log	8	54	Density	
Black/Red (Hybrid) Oak		5	Log/Pole	10		Avg. Height	
White Pine		15	Pole/Log	8		Size	
						Sapling	
						Sapling	
113	6239 - Mixed Emergent Wetland	Nonstocked	70.7		Unspecified	No	
114	4310 - Pine, Oak Mix	Sawtimber Well	3.6	102	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole/Log	8		White Pine	
Quaking Aspen		2	Pole	8		Red Maple	
White Pine		48	Log/Pole/XLog	10	102	Density	
Black/Red (Hybrid) Oak		45	Log	14	102	Avg. Height	
						Size	
						Sapling	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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115	500 - Water	Nonstocked	12.7		Unspecified	No	
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116	4139 - Aspen, Mixed Deciduous	Sapling Well	19.4	6	Immature	N/A	Stand was final harvested in the spring 2016.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Log	14	
Black/Red (Hybrid) Oak	2	Log	14	
Bigtooth Aspen	45	Sapling	1	6
Red Maple	30	Sapling	1	
White Pine	10	Sapling	1	
Quaking Aspen	2	Sapling	1	
Black/Red (Hybrid) Oak	8	Sapling	1	

117	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	4.9	75	81-110	N/A	Small island dominated by white pine and red maple.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
White Pine	66	Log/Pole	12	75	White Pine	High	Variable	Sapling
Red Maple	30	Log/Pole	10					
Quaking Aspen	2	Pole	6	58				

118	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.3	0	Unspecified		oil well site
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119	4199 - Other Mixed Upland Deciduous	Sapling Poor	1.0	25	Immature	N/A	Possible old well site.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	100	Sapling/Pole	3	25	Pin Cherry	Low	< 5 feet	Sapling

120	330 - Low-Density Trees	Nonstocked	0.9	0	Unspecified	No	Old well site, scattered trees, was used for landing when stand to the west was cut
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121	310 - Herbaceous Openland	Nonstocked	0.5	0	Unspecified	No	Old Well Site
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122	3104 - Degraded	Nonstocked	0.5	0	Unspecified		Old Well Site, well plugged??
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123	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.7	0	Unspecified		Well site, plugged 4/1/2016
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124	3104 - Degraded	Nonstocked	0.4	0	Unspecified		Well Site, plugged 6/1/201
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
125	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.5	0	Unspecified		Active Well Site, State Roscommon FC-1																														
126	3104 - Degraded	Nonstocked	0.6	0	Unspecified		recently plugged wellsite?																														
127	629 - Mixed non-forested wetland	Nonstocked	3.6	0	Unspecified	No	lowland shrub alongside townline creek																														
128	4199 - Other Mixed Upland Deciduous	Sapling Medium	1.0	17	Immature	N/A	strip of hardwoods along townline creek																														
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129	110 - Low Intensity Urban	Nonstocked	0.3	0	Unspecified		Active Well Site																														
130	3104 - Degraded	Nonstocked	0.7	0	Unspecified		Well Site, Recently Plugged?																														
131	3104 - Degraded	Nonstocked	0.6	0	Unspecified		oil well site, recently plugged?																														
132	110 - Low Intensity Urban	Nonstocked	0.6	0	Unspecified		active well site																														
133	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.5	0	Unspecified		well site, recently plugged?																														
134	110 - Low Intensity Urban	Nonstocked	0.8	0			active well site																														
135	3104 - Degraded	Nonstocked	0.8	0	Unspecified		well site, recently plugged?																														
136	3104 - Degraded	Nonstocked	1.0	0	Unspecified		well site, recently plugged?																														
137	110 - Low Intensity Urban	Nonstocked	0.5	0	Unspecified		active well site																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
138	310 - Herbaceous Openland	Nonstocked	0.8	0	Unspecified	No	well site, well plugged 9/9/2003. Stand data updated to not "managed for oil/gas". Muskegon Development is no longer responsible for any additional surface restoration. R Merrick
139	310 - Herbaceous Openland	Nonstocked	0.7	0	Unspecified	No	well site, plugged 6/7/2004. Stand data updated to not "Managed oil/gas". Muskegon Development is no longer responsible for any additional surface restoration.

140	4319 - Mixed Upland Forest	Sawtimber Well	27.1	57	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	6	
Red Maple	40	Log/Pole	10	57
White Pine	45	Log/Pole	10	57
Bigtooth Aspen	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling

141	42200 - Natural White Pine	Sawtimber Well	10.8	90	81-110	N/A	Small narrow stand surrounded by lowland. Contains oil field acces route.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	65	Log/Pole/XLog	10	90
Red Pine	25	Log/Pole	13	
Black/Red (Hybrid) Oak	5	Log/Pole	12	
Red Maple	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Red Maple	Low	>20 feet	Sapling
White Pine	High	Variable	Sapling

142	42140 - Planted Mixed Pine	Sawtimber Well	13.8	91	111-140	N/A	Mixed stand of red and white pine sawtimber that appears natural. Old notes indicate that it was planted in 1931. Some oak found on the northern end.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Log	12	91
Red Pine	45	Log/Pole	13	
White Pine	50	Pole/Log	8	91

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
White Pine	Medium	5 - 10 feet	Sapling