



# Compartment Review Presentation

## Baraga Forest Management Unit

Compartment 11016

Entry Year 2025

Acreage: 1,952

County Baraga

Management Area: Michigamme Highlands

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**Stand Examiner:** Jason Mittlestat

### Legal Description:

Baraga County, Covington & L'Anse Townships.

T48N R32W Sec: 3, 4, 9, 10, 12

T49N R32W Sec: 27, 28, 34

### Identified Planning Goals:

Peshekee Highlands

To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs while protecting the water resources.

### Soil and topography:

Champion cobbly silt loams, Michigamme cobbly silt loam, Rubicon sand, Croswell sand, Au Gres sand, Linross mucky sand, Carbondale and Tacoosh much, Witbeck much, Dawson and Greenwood peat. This area has scattered rock out crops and very rugged terrain.

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

The surrounding ownership is a mix of forest industry and small private owners. Adjacent lands are managed for timber and recreation.

### Unique Natural Features:

The Sturgeon River and Lateral Creek flow through this compartment. Both of these are trout streams

### Archeological, Historical, and Cultural Features:

None listed.

### Special Management Designations or Considerations:

The Sturgeon River Corridor is listed as an SCA.

### Watershed and Fisheries Considerations:

The Sturgeon River and Lateral creek are trout streams.

### Wildlife Habitat Considerations:

Compartment 16 is found in the Peshekee Highlands Management Area; on a Bedrock Controlled Ground Moraine in east central Baraga and northwestern Marquette County. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and boreal forests. Major forest cover types include Northern Hardwoods, Mixed Lowland Conifer, and Upland Spruce-fir.

Three of the largest tracts of mature forest in the Great Lakes (McCormick Tract, Craig's Lake, and the Huron Mountain Club) occur within or adjacent to this management area. The current condition and spatial arrangement of these areas provide some of the best opportunities within the WUP, state, and Great Lakes for area sensitive wildlife requiring large tracts of mature forest, mesic conifer or corridors between such areas. The most significant wildlife management issues in the management area are: habitat fragmentation; coarse woody debris; retain or develop large living and dead standing trees (for cavities); mesic conifer; mature forest; within-stand diversity; early successional forest (hardwood browse adjacent to closed canopy lowland conifer swamps); and coarse woody debris.

The following have been identified as featured species for the Peshekee Highlands Management Area: American Marten, Blackburnian Warbler, Gray Jay, Moose, Northern Goshawk, and Pileated Woodpecker

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

Surface sediments consist of coarse-textured glacial till to the southwest and thin to discontinuous (coarse-textured) till to the north and minor peat and muck. The glacial drift thickness varies from insufficient data to determine up to a thickness of 50 feet. The Precambrian Michigamme Formation, Siamo Slate and Archean Granite/Gneiss subcrop below the glacial drift. There is not a current economic use for these rocks, but the granite/gneiss could be used as dimension stone or aggregate. Gravel pits are located in the Compartment and potential appears to be good, especially to the south. This

Compartment is located between the Ohio Mine and Taylor Mine areas. Some of the State land in the Compartment and to the west was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Access is from US-41, the Herman – Nestoria road and the North Nestroia road. The north east of the compartment is limited by rugged terrain and private property.

**Survey Needs:**

None needed.

**Recreational Facilities and Opportunities:**

Snowmobile trail 8 used the power line right of way through the southern part of the compartment. The North Nestroia road provides access to Craig Lake.

**Fire Protection:**

Historical wildfire occurrence is largely from lighting strike origin. Extended suppression tactics are common due to rugged terrain and limited access.

**Additional Compartment Information:**

There is a closed gravel pit lease along the North Nestoria Road.

**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**

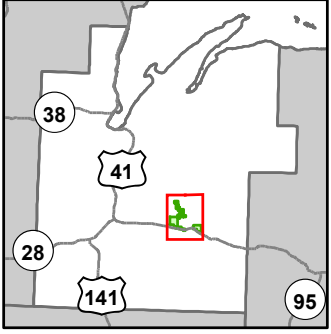
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

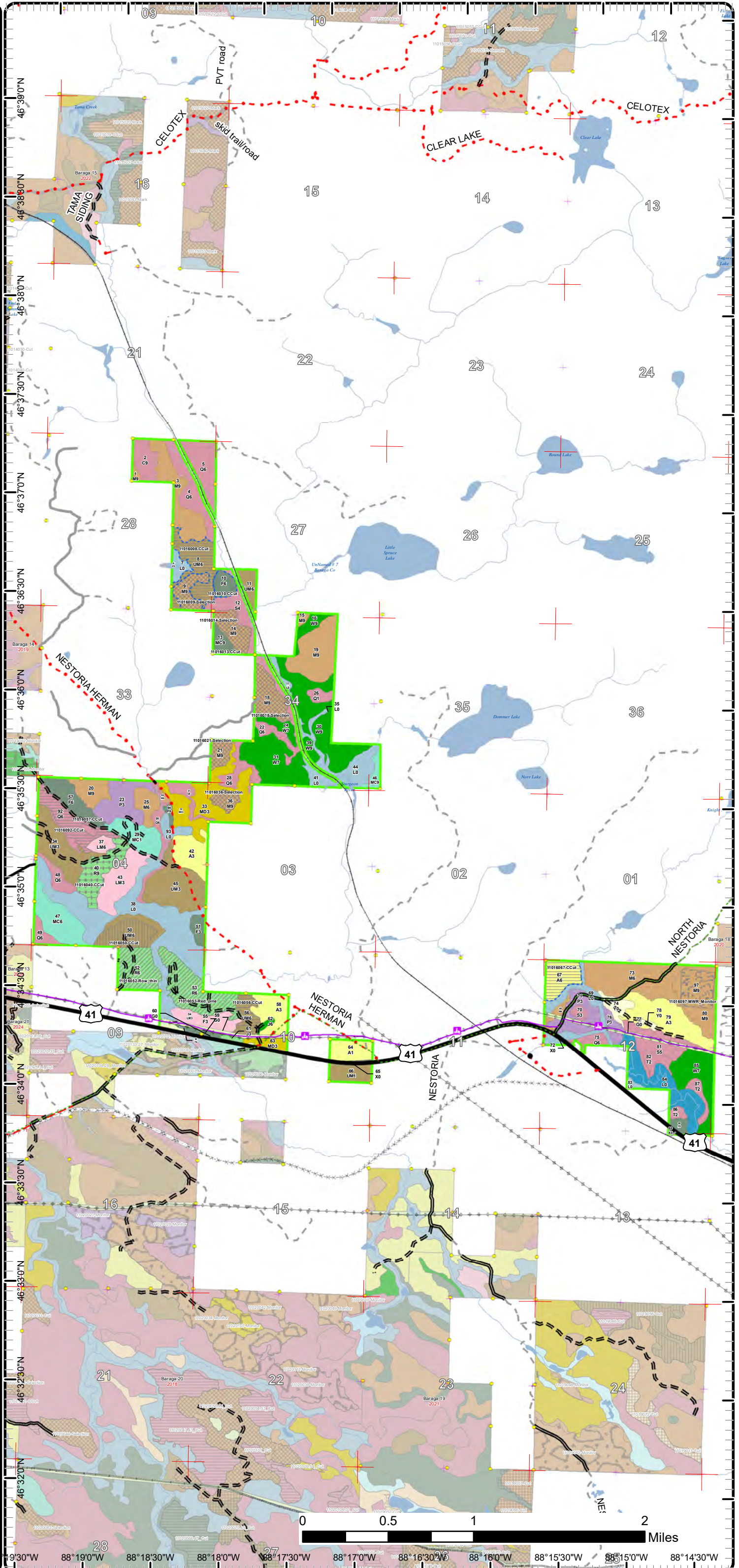


# Cover Type & Treatments Map

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 Unit: Baraga  
 Mgmt Area: Michigamme Highlands  
 YOE: 2025  
 Acres: 1951.6 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 7/31/2023  
 Map Phase: Post-Review



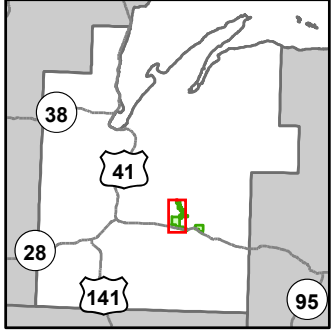
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- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Monitoring
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- 413 - Aspen
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- 429 - Mixed Upland Conifers
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- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland
- 710 - Sand/Soil



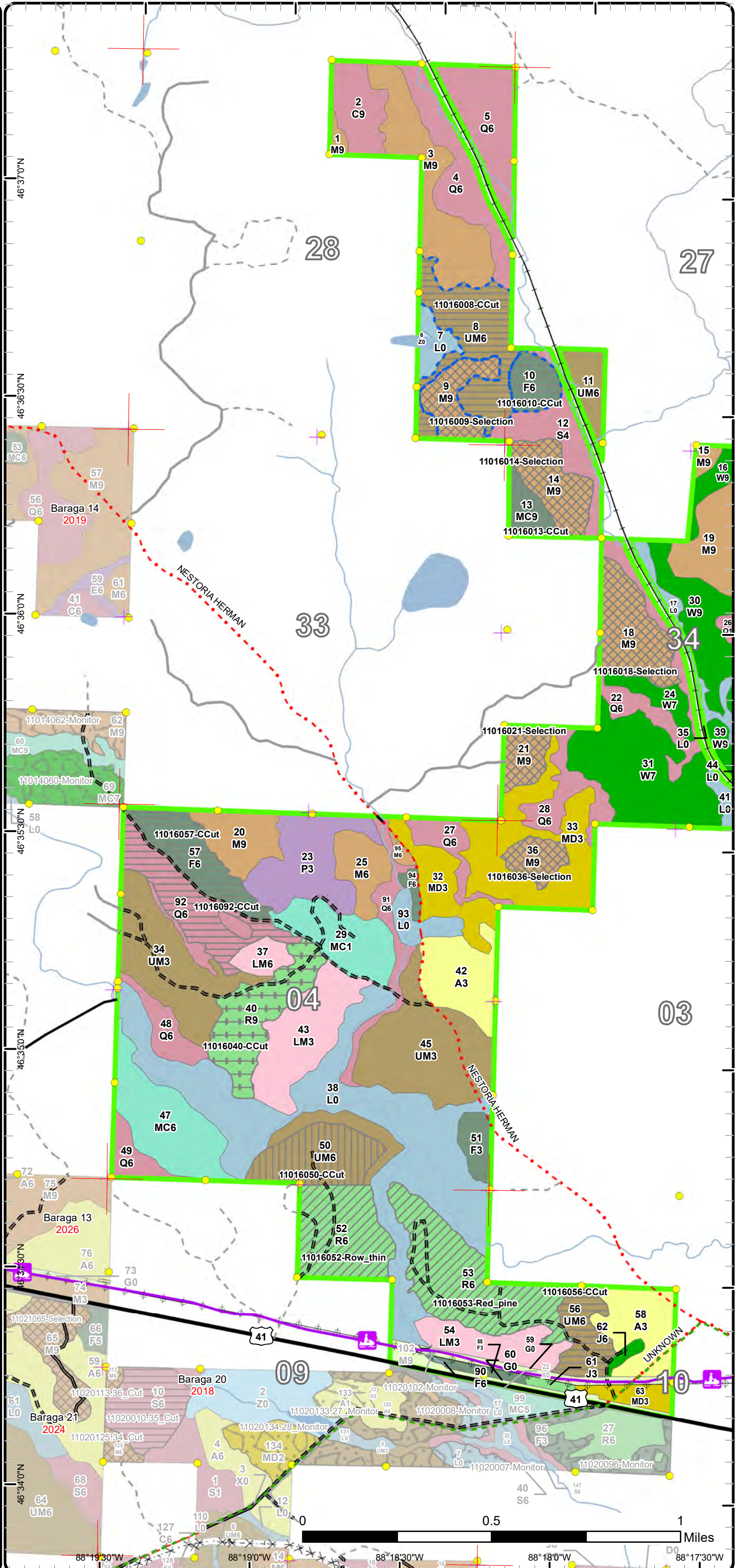


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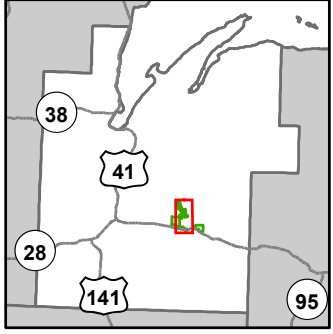
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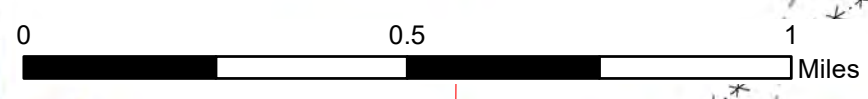
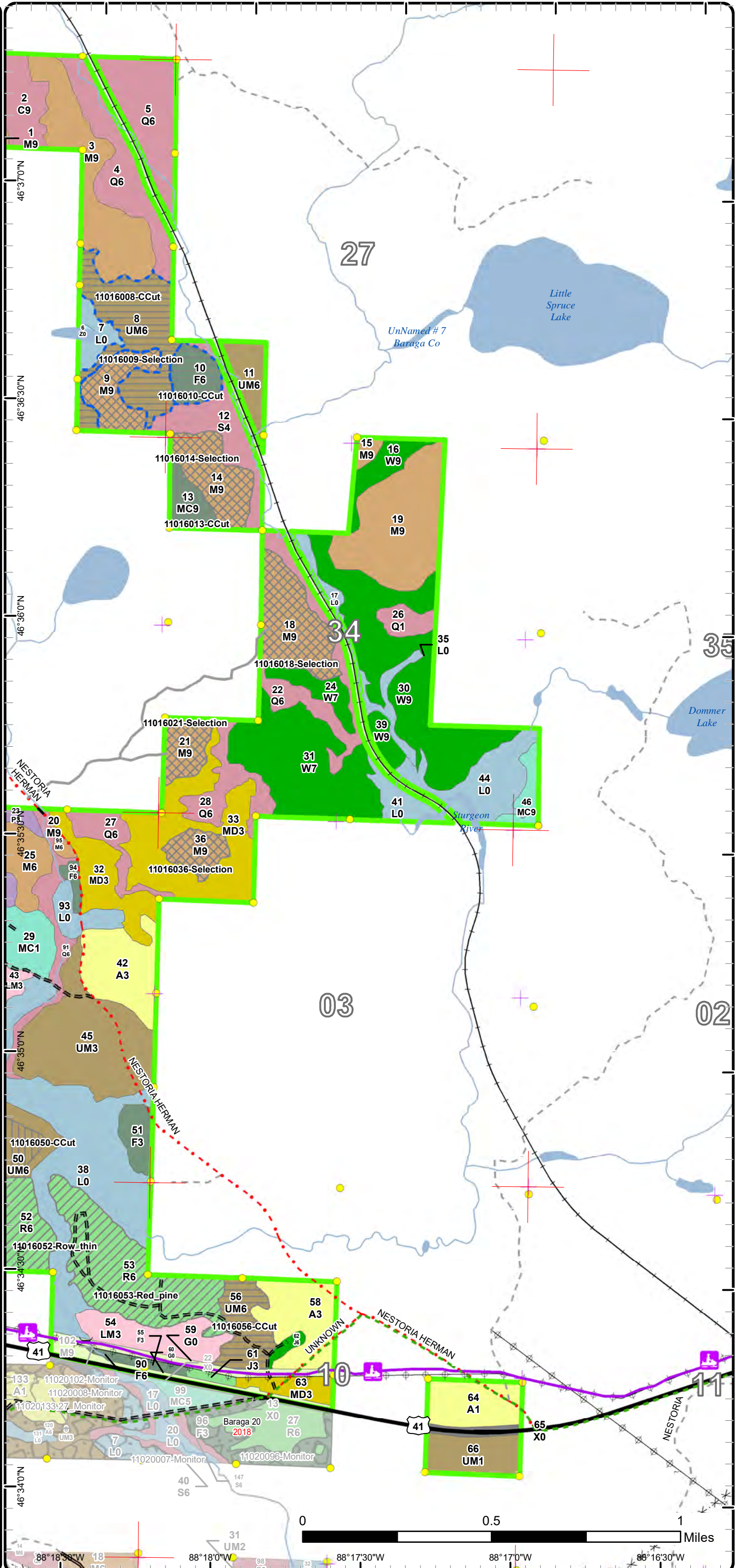


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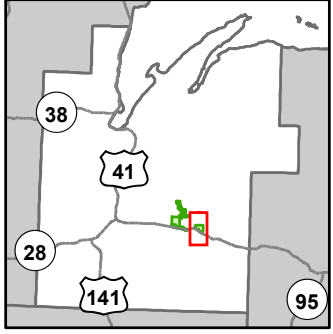


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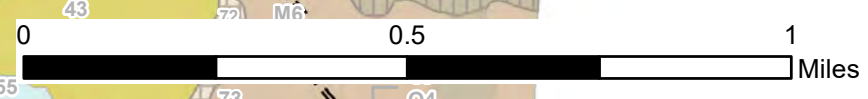
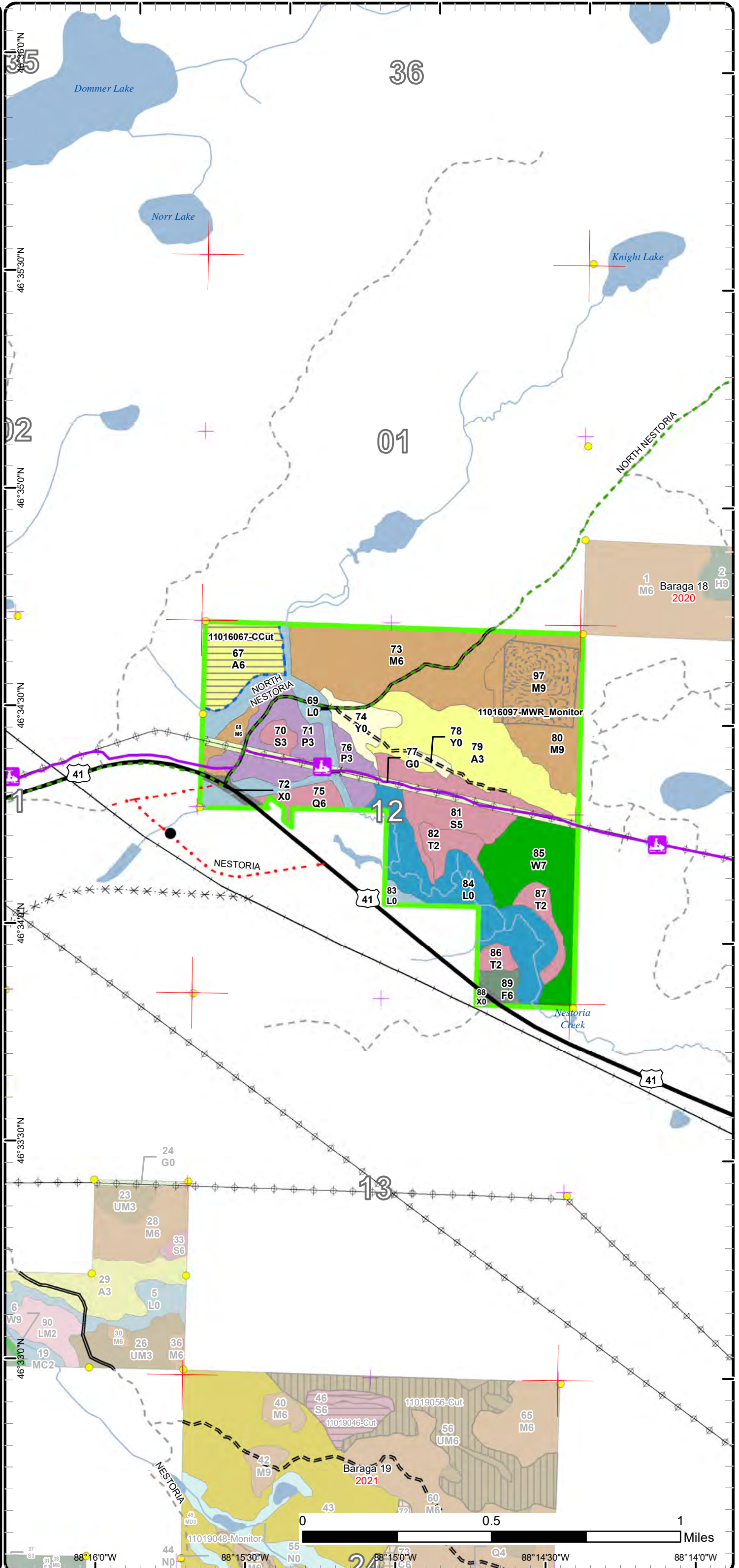


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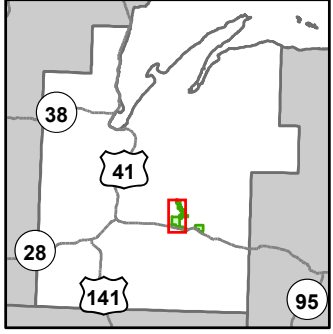


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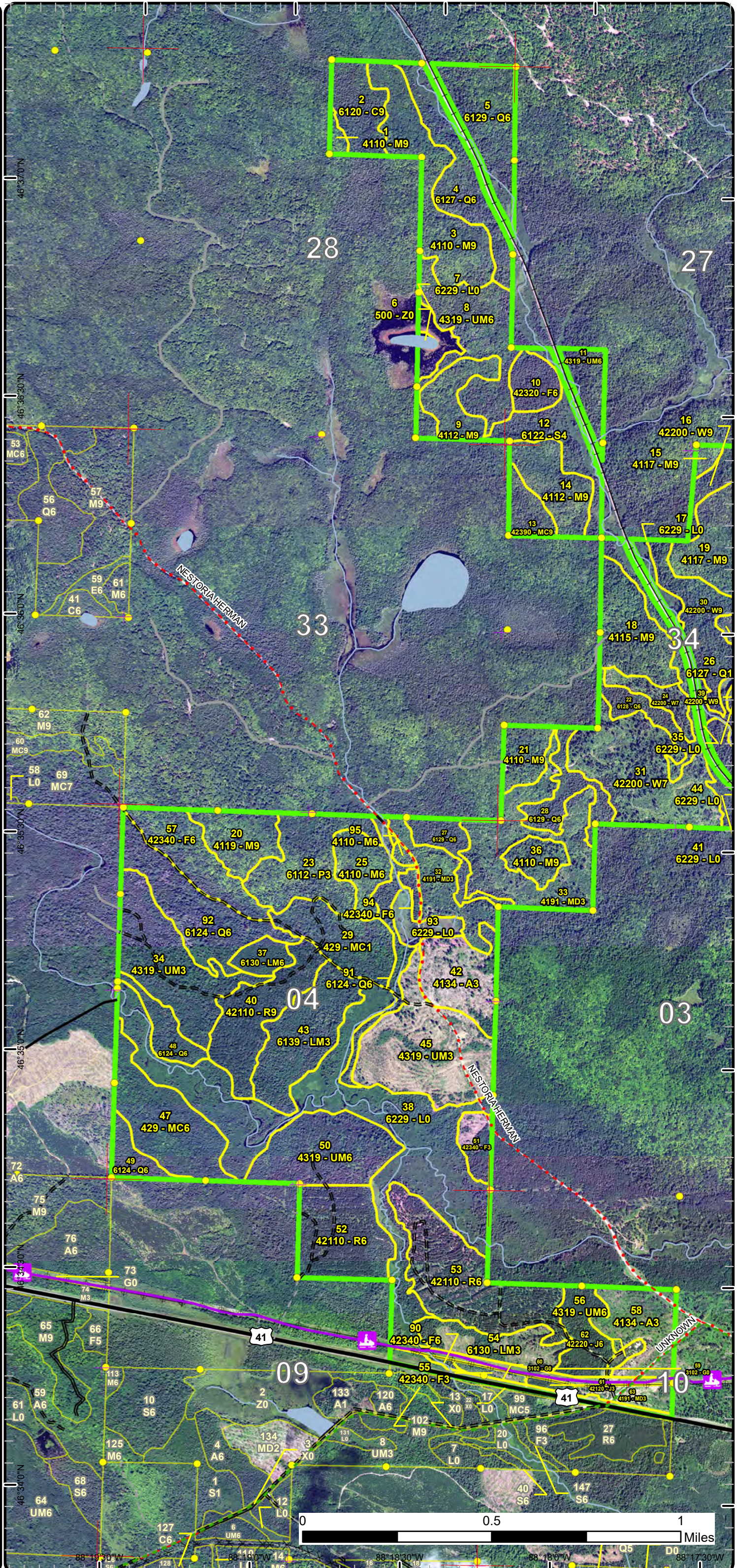


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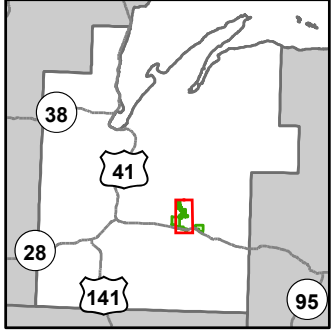
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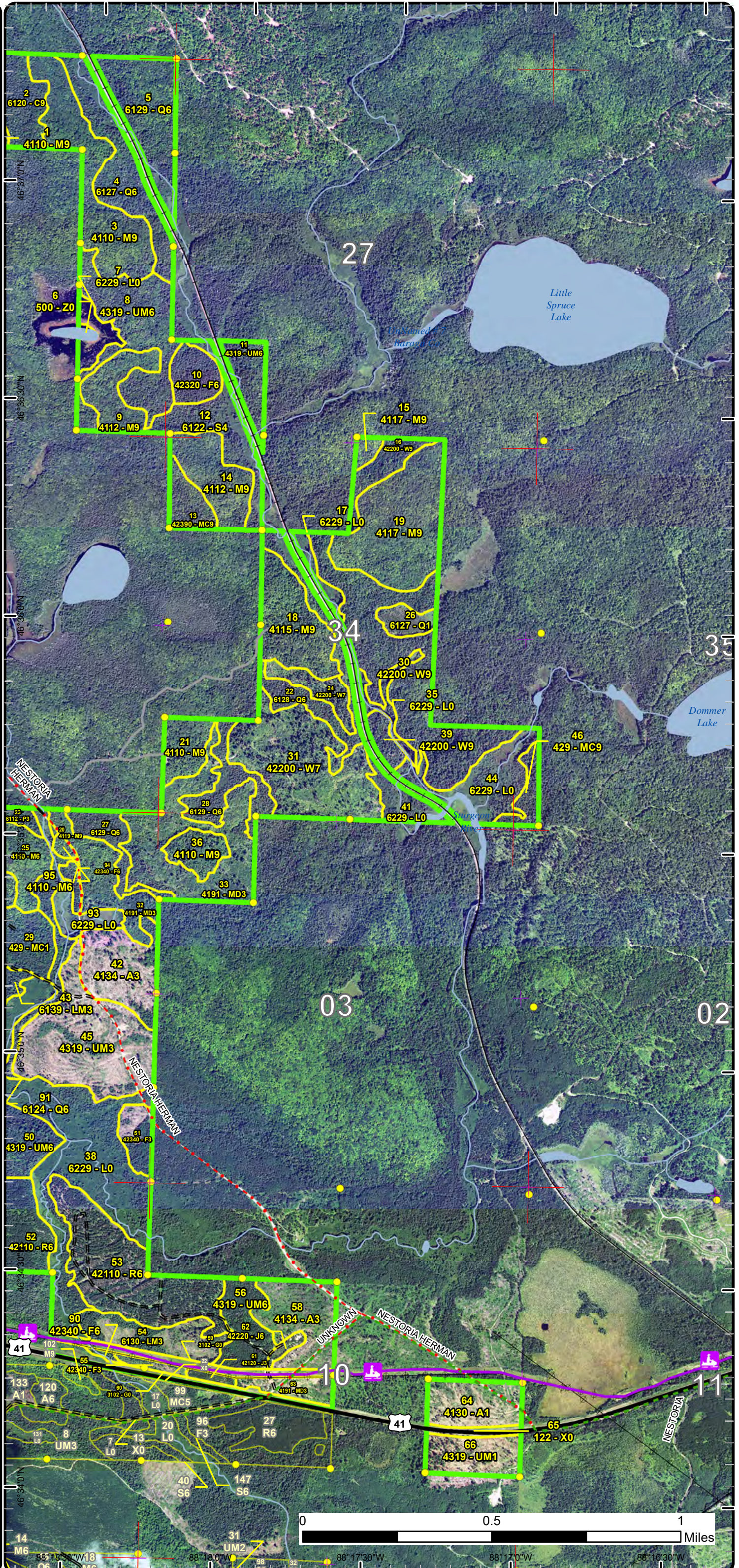


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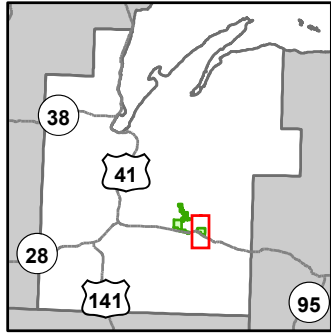
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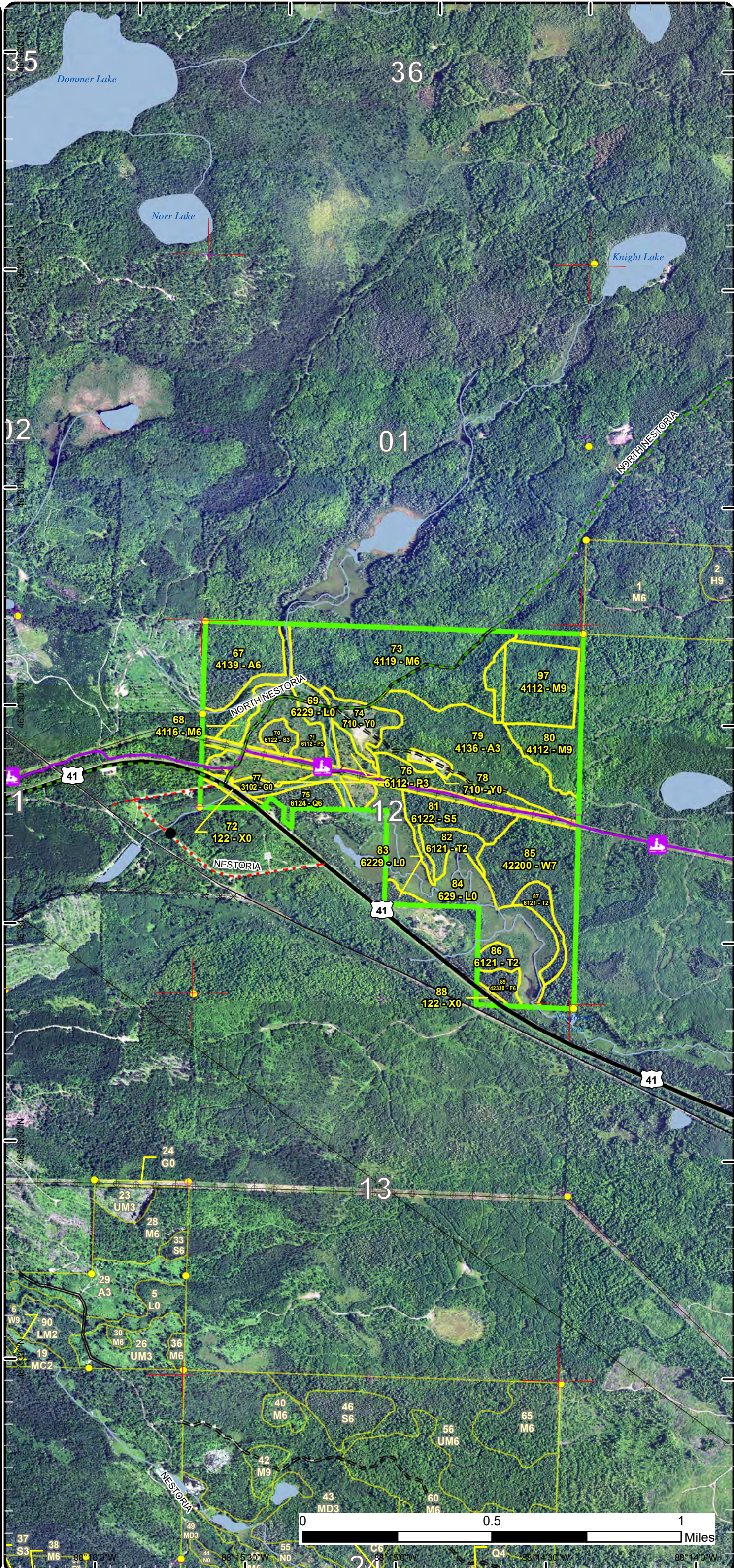


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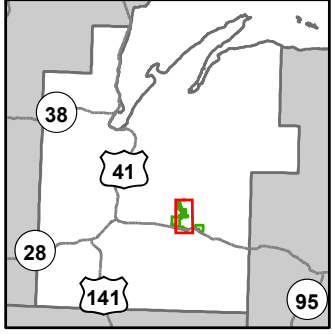
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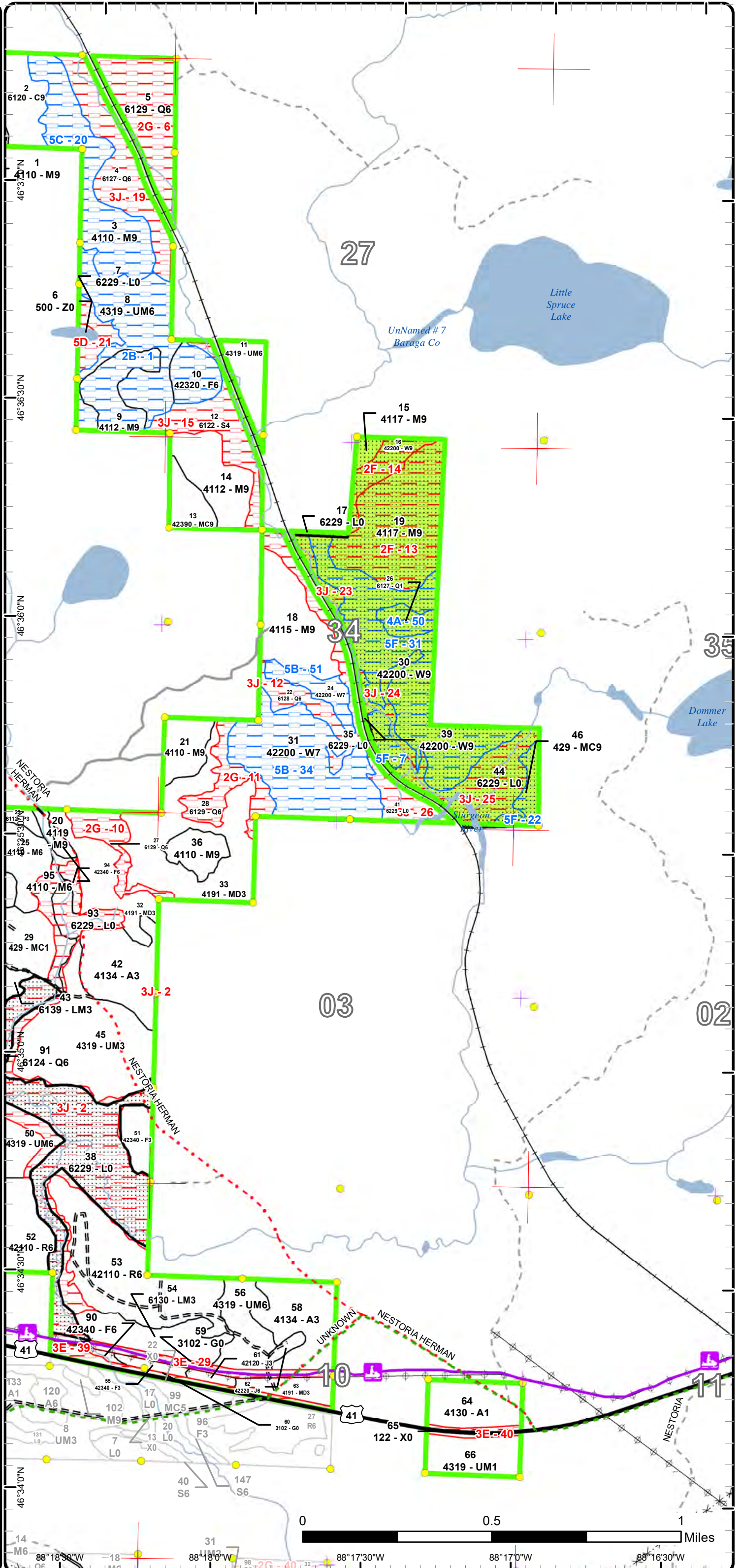


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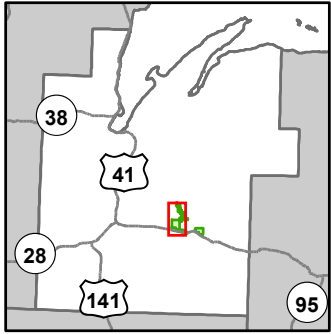
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- Available w/ Constraints
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Possible Type 2 Old Growth



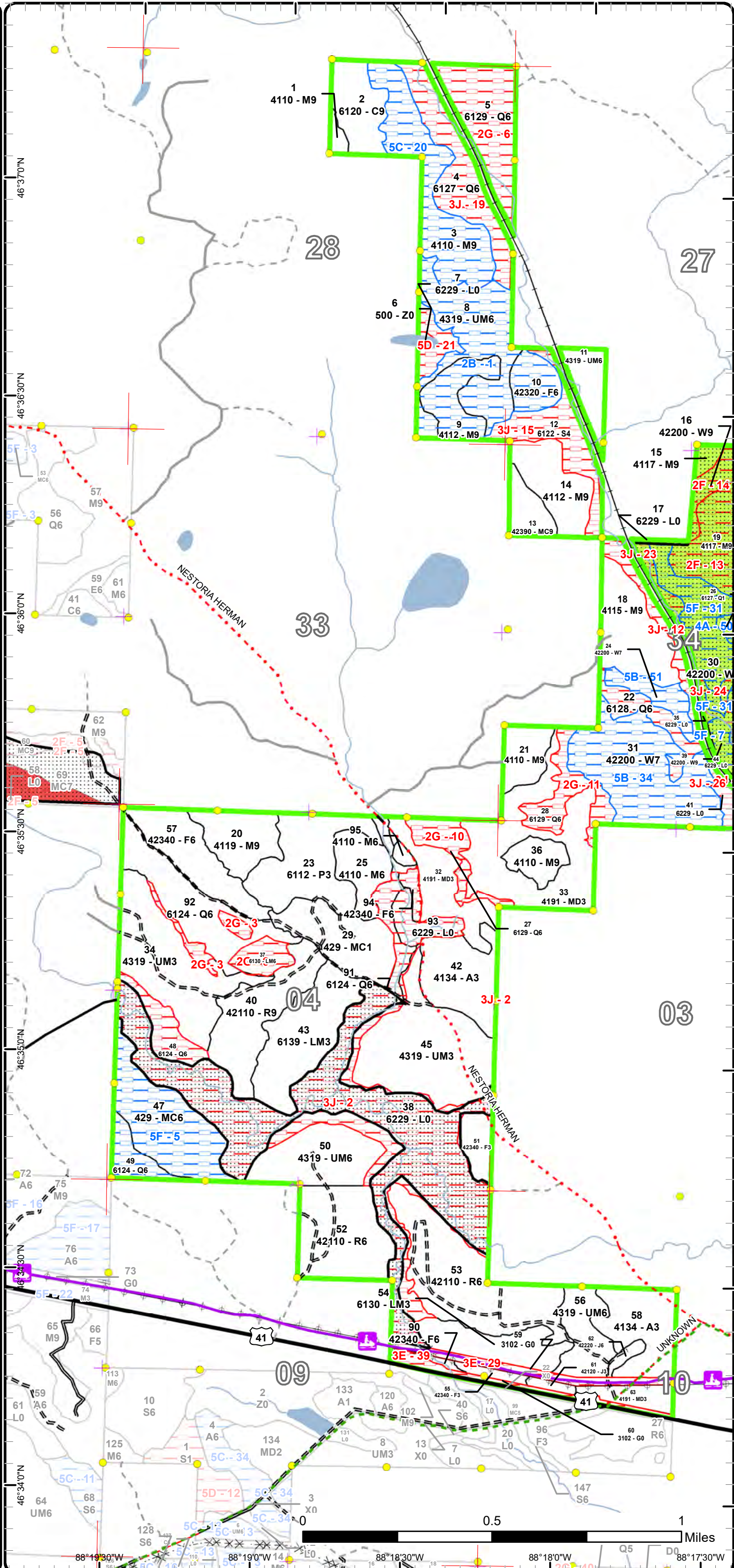


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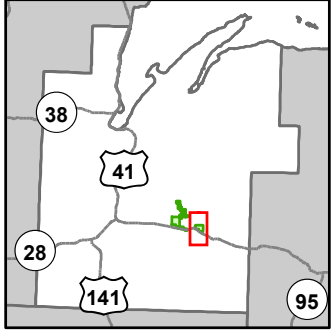
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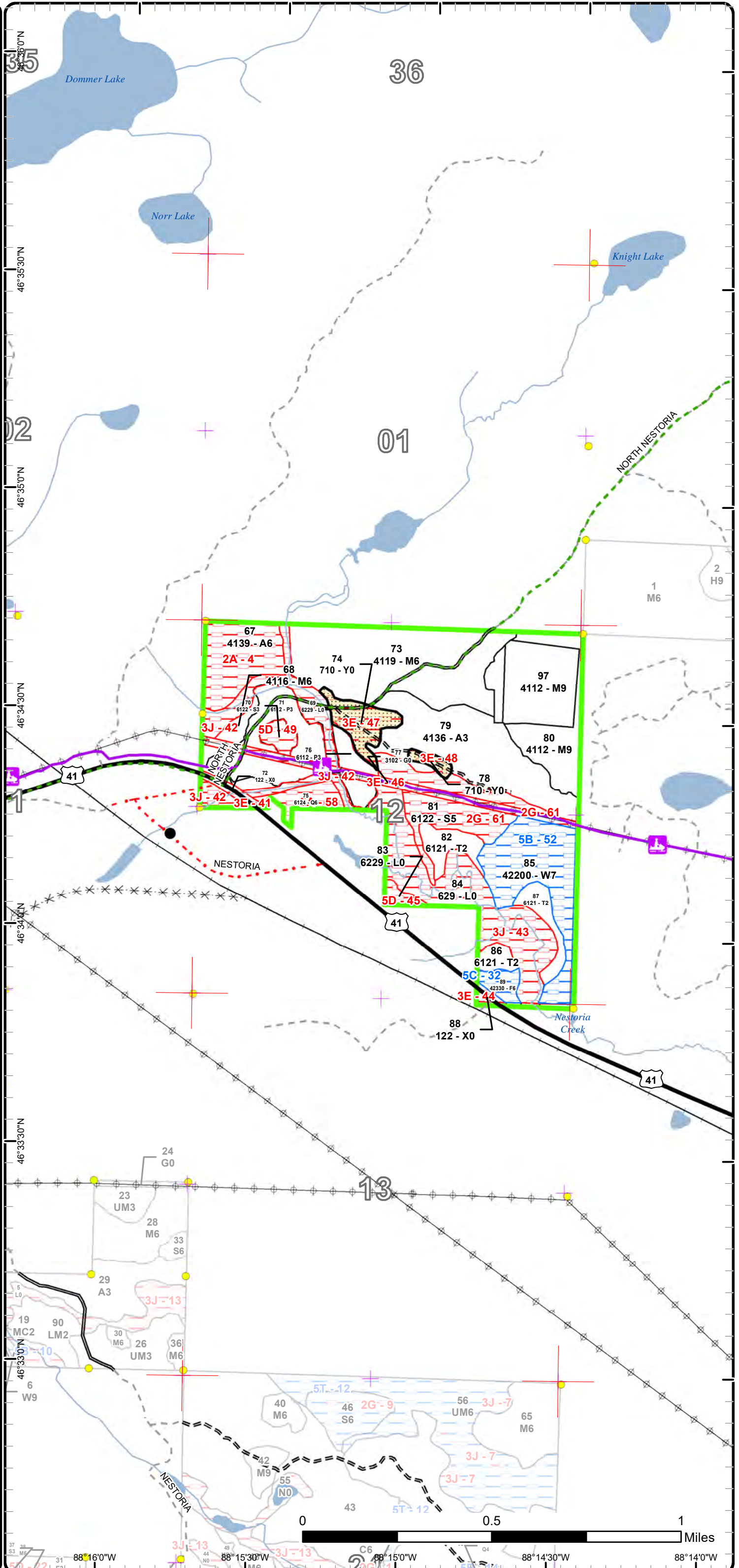


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Report 1 – Total Acres by Cover Type and Age Class



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+	Unseen-Aged	Total
Aspen	0	71	0	48	0	0	0	24	0	0	0	0	0	0	0	0	0	0	143
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	18
Herbaceous Openland	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Jack Pine	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Lowland Conifers	0	0	0	0	0	0	0	0	0	70	8	6	87	0	21	0	0	0	192
Lowland Mixed Forest	0	56	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Lowland Shrub	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	26	27	0	0	0	0	0	0	53
Mixed Upland Deciduous	0	8	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	5	10	0	0	0	0	0	322	337
Red Pine	0	0	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	120
Sand, Soil	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Tamarack	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	19
Upland Conifers	0	26	0	0	0	38	0	0	0	0	10	7	0	0	0	0	0	0	81
Upland Mixed Forest	0	114	0	0	0	55	0	0	0	0	53	0	0	0	0	0	0	0	221
Upland Spruce/Fir	0	12	0	0	0	1	0	33	0	0	11	0	0	0	0	0	0	0	56
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	0	0	0	0	71	0	39	62	0	10	0	181
<b>Total</b>	<b>318</b>	<b>354</b>	<b>70</b>	<b>48</b>	<b>8</b>	<b>216</b>	<b>19</b>	<b>57</b>	<b>0</b>	<b>70</b>	<b>113</b>	<b>121</b>	<b>105</b>	<b>39</b>	<b>83</b>	<b>0</b>	<b>10</b>	<b>322</b>	<b>1950</b>





## Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 16

Total Compartment Acres: 1,952

Commercial Harvest - 300  
 Harvests with Site Condition - 92  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	24	0	0	0	0	0	0	0	0	24
Lowland Conifers	31	0	0	0	0	0	0	0	0	31
Northern Hardwood	0	86	0	0	0	0	0	0	0	86
Red Pine	0	0	0	0	0	88	32	0	0	120
Upland Conifers	0	0	0	0	10	0	0	0	0	10
Upland Mixed Forest	58	0	0	0	28	0	0	0	0	85
Upland Spruce/Fir	36	0	0	0	0	0	0	0	0	36
<b>Total</b>	<b>148</b>	<b>86</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>88</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>392</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	392	0	0	0	0	0	26	0	0	418
Next Step	0	0	0	0	0	0	272	0	0	272
<b>Total</b>	<b>392</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>298</b>	<b>0</b>	<b>0</b>	<b>690</b>





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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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**Approved Treatments:**

<b>8</b>	<b>11016008-CCut</b>	40.8	4319 - Mixed Upland Forest	Poletimber Well	93	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 2 inches DBH except red oak, hemlock, white pine and cedar if present.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Any combination of the original stands over story species prior to harvest.  <u>Regen:</u>  <u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.  <u>Comment:</u>  <u>Site Condition</u> Unknown Access  <u>Proposed Start Date:</u> 10/1 /2024</p>											
<b>9</b>	<b>11016009-Selection</b>	16.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	109	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, white pine, and cedar. Mark hemlock to encourage and release regeneration. Follow all guidelines set forth in "The Complete Marker".  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Any combination of the original stands over story species prior to harvest.  <u>Regen:</u>  <u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  <u>Comment:</u>  <u>Site Condition</u> Unknown Access  <u>Proposed Start Date:</u> 10/1 /2024</p>											
<b>10</b>	<b>11016010-CCut</b>	11.1	42320 - Upland Spruce	Poletimber Well	93	Unspecified	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 2 inches DBH except red oak, hemlock, white pine and cedar if present.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Any combination of the original stands over story species prior to harvest.  <u>Regen:</u>  <u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.  <u>Comment:</u>  <u>Site Condition</u> Unknown Access  <u>Proposed Start Date:</u> 10/1 /2024</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>13 11016013-CCut</b>	9.5	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	93	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription Specs:</u> Harvest all species down to 4.6 inches DBH except hemlock, cedar and white pine and red pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall also be retained.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest. Regeneration survey as per work instructions.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>14 11016014-Selection</b>	20.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	109	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest. Regeneration survey as per work instructions.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>18 11016018-Selection</b>	27.9	4115 - Y.Birch, Hemlock NH	Sawtimber Well	109	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, white pine, and cedar. Mark hemlock to encourage and release regeneration. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest. Regeneration survey as per work instructions.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
21	11016021- Selection	11.7	4110 - Sugar Maple Association	Sawtimber Well	109	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, white pine, and cedar. Mark hemlock to encourage and release regeneration. Follow all guidelines set forth in "The Complete Marker".</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> Any combination of the original stands over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
36	11016036- Selection	9.6	4110 - Sugar Maple Association	Sawtimber Well	109	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, white pine, and cedar. Mark hemlock to encourage and release regeneration. Follow all guidelines set forth in "The Complete Marker".</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> Any combination of the original stands over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
40	11016040- CCut	31.8	42110 - Planted Red Pine	Sawtimber Well	48	51-80	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Two-Aged	No
<p><u>Prescription</u> Mark red pine to retain at 5 sqft BA per acre. Reserve all white pine. Concentrate on marking larger diameter trees to be left.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Already present.</p> <p><u>Regen:</u></p> <p><u>Other</u> Leave tree marked red pine is intended for structural diversity.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
50	11016050- CCut	27.8	4319 - Mixed Upland Forest	Poetimber Well	40	Unspec ified	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 2 inches DBH except paper birch, red oak, hemlock, white pine and cedar if present.</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> Any combination of the original stands over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>52 11016052-Row_thin</b>	35.7	42110 - Planted Red Pine	Poletimber Well	48	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Remove 1/3rd of BA by harvesting every 1/3rd row and marking red pine as needed. Harvest all other species other than white pine, hemlock, cedar, and oak if present.</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> First thinning. <u>Comment:</u></p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2024</p>										
<b>53 11016053-Red_pine</b>	52.6	42110 - Planted Red Pine	Poletimber Well	48	81-110	Harvest	Low Thinning	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Remove 1/3rd of red pine BA by marking.</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> Second thinning. <u>Comment:</u></p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2024</p>										
<b>56 11016056-CCut</b>	16.8	4319 - Mixed Upland Forest	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 2 inches DBH except red oak, hemlock, white pine and cedar if present. Reserve all paper birch for seed.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stands over story species prior to harvest. <u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species. <u>Comment:</u></p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2024</p>										
<b>57 11016057-CCut</b>	24.8	42340 - Upland Spruce/Fir	Poletimber Well	61	Unspec ified	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red pine, white pine, cedar and oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stands over story species prior to harvest. <u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species. <u>Comment:</u></p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2024</p>										





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>67</b>	<b>11016067-CCut</b>	24.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	65	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Harvest all species down to 2 inches DBH except red oak, hemlock, white pine and cedar if present.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stands over story species prior to harvest.

Regen:

Other Retention for this stand will be greater than 3% and will consist of reserve tree species.

Comment:

Site Condition Denied Access

Proposed Start Date: 10/1 /2024

<b>92</b>	<b>11016092-CCut</b>	30.7	6124 - Lowland Spruce-Fir	Poletimber Well	80	Unspecified	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, red pine, white pine, cedar and oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stands over story species prior to harvest.

Regen:

Other Retention for this stand will be greater than 3% and will consist of reserve tree species.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

<b>97</b>	<b>11016097-MWR_Monitor</b>	26.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	109	81-110	Monitoring	Other - Specify	411 - Northern Hardwood	Uneven-Aged	No
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Prescription MWR harvest area being observed by MSU

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

**Total Treatment** 418.2  
**Acres Proposed:**



## Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 16

Jason Mittlestat : Examiner

Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions	Dominant Site Conditions										
					2B	4A	5B	5C	5F	2A	2F	2G	3E	3J	5D
144	120	0	24	Aspen						24			0	0	
18	18	0	0	Cedar											
32	0	0	32	Herbaceous Openland									32		
4	4	0	0	Jack Pine											
67	66	0	1	Lowland Aspen/Balsam Poplar									0	0	0
192	35	15	142	Lowland Conifers		6	0		9	8		62	0	71	
64	56	0	7	Lowland Mixed Forest								7			
263	3	0	260	Lowland Shrub			0							250	10
53	1	0	52	Lowland Spruce/Fir			0					27		21	4
76	76	0	0	Mixed Upland Deciduous								0			
337	232	57	47	Northern Hardwood	16			41			47		0	0	
120	120	0	0	Red Pine								0			
13	0	0	13	Sand, Soil									13	0	
19	19	0	0	Tamarack			0							0	
81	36	45	0	Upland Conifers					45					0	
221	170	41	11	Upland Mixed Forest	41			0				0		11	
56	38	16	3	Upland Spruce/Fir	11			5					0	3	
9	1	0	8	Urban									8	0	
1	1	0	0	Water											
181	3	168	10	White Pine			98		70		10			0	
1,952	1,000	341	610	Total Forested Acres	68	6	98	46	124	32	57	97	54	357	14
	51%	17%	31%	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	2B: Unknown if access through adjacent landowner(s) is possible	68	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 16

Jason Mittlestat : Examiner

Year of Entry: 2025

2	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	170	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Sturgeon River and tributaries.							
3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Small open water areas within the stand.							
4	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 16

Jason Mittlestat : Examiner

Year of Entry: 2025

9	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> headwaters of a creek							
10	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> too wet to operate in							
12	<b>Unavailable</b>	3J: Water quality / BMPs (stream, river, or lake)	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tioga creek corridor							
13	<b>Unavailable</b>	2F: Too steep	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Extreme topo.							
14	<b>Unavailable</b>	2F: Too steep	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> extreme topo. looks like the stand has never been cut.							



## Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 16

Jason Mittlestat : Examiner

Year of Entry: 2025

15	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tioga creek corridor							
19	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tioga creek corridor							
20	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> hold to cut in 2025							
21	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> bog							
22	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tioga creek corridor							



## Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 16

Jason Mittlestat : Examiner

Year of Entry: 2025

24	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tioga creek corridor							
25	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tioga creek corridor							
26	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tioga creek corridor							
29	<b>Unavailable</b>	<b>3E: Easement / lease, non- military (e.g.- Consumers Power red pine, etc)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> atc powerline							
31	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	64	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 16

Jason Mittlestat : Examiner

Year of Entry: 2025

34	Available	5B: Maintain for regeneration purposes	53	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The stand was clear cut with white pine reserves in 2006. Really is a UM 3.							
39	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> us-41 hwy							
40	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> us-41 hwy							
41	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> us-41 hwy							
42	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stream / beaver ponds							
43	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stream / beaver ponds / bog							



## Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 16

Jason Mittlestat : Examiner

Year of Entry: 2025

44	<b>Unavailable</b>	<b>3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> us-41 hwy							
45	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> tag alder							
46	<b>Unavailable</b>	<b>3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> atc powerline							
47	<b>Unavailable</b>	<b>3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> baraga county lease gravel pit							
48	<b>Unavailable</b>	<b>3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> baraga county lease gravel pit							
49	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> treed bog							



## Report 4 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment: 16

Year of Entry: 2025

50	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Q1 stand with an average dbh of 4"							
51	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The stand was clear cut with white pine reserves in 2006. Really is a UM 3.							
52	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The stand was clear cut with white pine reserves in 1996. Really is a UM 3.							
58	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> unsafe??							
61	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
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.
SCA	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, virgin forest, or primeval forest) is an area of forest that has few or no signs of human disturbance and that exhibits unique ecological features related to age, composition and associated structure. Old growth forests are of natural origin. They may be dominated by late successional forest species (i.e. sugar maple and American beech), or may be a very old example of a stand dominated by long-lived early- or mid-seral species (i.e. oak, or red pine).
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
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<b>1</b>	4110 - Sugar Maple Association	Sawtimber Well	2.5	109	141-170	N/A	Inoperable Bluff.																																																				
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<b>2</b>	6120 - Lowland Cedar	Sawtimber Well	18.4	110	111-140	N/A	Wet, lowland cedar and black spruce.																																																								
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<b>3</b>	4110 - Sugar Maple Association	Sawtimber Well	41.1	109	141-170	N/A	Access will be needed across private lands from the west to harvest. Hold to treat until 2025 for age diversity if access can be found. There are lots of bluffs throughout the stand that will reduce treatment acreage.																																																				
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<b>4</b>	6127 - Lowland Pine	Poletimber Well	29.1	110	141-170	N/A	Lots of bluffs. Look to treat with the hardwood adjacent in 2025. Quite a bit of tag alder in the north of the stand.																																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																		
5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	31.0	110	141-170	N/A	Wet stand, blocked by RR Grade, river, and terrain from the south. Have an easement on pvt to access from the north. Riparian corridor.																																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
<b>10</b>	42320 - Upland Spruce	Poletimber Well	11.1	93	Unspecified	N/A	Harvest in 2025 with the adjacents stands. Upland black spruce.			
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	2023: There is a road system accessing from the west, if pvt allows.
	Paper Birch	5	Pole	8		Balsam Fir	Medium	10 - 20 feet	Sapling	
	Quaking Aspen	5	Pole	8		White Spruce	Medium	10 - 20 feet	Sapling	
	Balsam Fir	5	Pole	8		Red Maple	Low	10 - 20 feet	Sapling	
	Black Spruce	55	Pole	8	93	Yellow Birch	Low	10 - 20 feet	Sapling	
	Red Maple	5	Pole	8						
	Tamarack	5	Log	14						
	Northern White Cedar	5	Pole	8						
	Yellow Birch	5	Pole	8						
	Black Cherry	5	Pole	8						
	White Spruce	5	Pole	8						
<b>11</b>	4319 - Mixed Upland Forest	Poletimber Well	11.7	93	81-110	N/A	No management access, the stand is on the wrong side of the RR grade.			
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	2023: Not field checked.
	Tamarack	5	Log	14		Yellow Birch	Low	10 - 20 feet	Sapling	
	Paper Birch	10	Log	12		Black Spruce	Low	10 - 20 feet	Sapling	
	Northern White Cedar	5	Pole	8		Balsam Fir	High	10 - 20 feet	Sapling	
	Quaking Aspen	5	Log	12		Red Maple	Medium	10 - 20 feet	Sapling	
	White Pine	10	Log	18		White Spruce	Medium	10 - 20 feet	Sapling	
	Black Spruce	15	Pole	8						
	Red Maple	10	Pole	8						
	Black Cherry	19	Log	12						
	Balsam Fir	21	Pole	8	93					
<b>12</b>	6122 - Black Spruce	Poletimber Poor	22.2	93	1-50	N/A	Sparse black spruce. Wet ground, Treed bog. Over a bluff. 2023: Not field checked.			
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
	Black Spruce	70	Pole/Log	9	93	Balsam Fir	Low	10 - 20 feet	Sapling	
	Northern White Cedar	5	Pole	8		Tag Alder	High	10 - 20 feet	Tall Shrub	
	Tamarack	10	Log	14		Black Spruce	Medium	10 - 20 feet	Sapling	
	Black Cherry	7	Pole	8						
	Balsam Fir	5	Pole	8						
	Red Maple	3	Pole	8						





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**13** 42390 - Mixed Non-Pine Upland Conifers Sawtimber Well 9.5 93 81-110 N/A Delay treatment until 2025 with adjacent stands.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	21	Log	14	93	Black Spruce	Low	10 - 20 feet	Sapling
Black Spruce	15	Pole/Log	9		Northern White Cedar	Low	10 - 20 feet	Sapling
Northern White Cedar	19	Log	12		Tag Alder	Low	10 - 20 feet	Tall Shrub
White Pine	10	Log	18		Balsam Fir	Medium	10 - 20 feet	Sapling
Sugar Maple	5	Pole/Log	10		White Spruce	Low	10 - 20 feet	Sapling
Red Maple	15	Pole/Log	10		Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	10	Pole/Log	10					
Yellow Birch	5	Log	16					

**14** 4112 - Maple, Beech, Cherry Association Sawtimber Well 20.9 109 111-140 N/A Look to cut in 2025

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	2	Pole	8		Sugar Maple	High	10 - 20 feet	Sapling
White Spruce	5	Pole	8					
White Pine	3	XLog	19					
Sugar Maple	65	Log	14	109				
Red Maple	5	Log	12					
Yellow Birch	10	Log	14					
Black Cherry	10	Log	14					

**15** 4117 - Mixed N. Hardwood - Pine Sawtimber Well 2.8 109 111-140 N/A Rock bluff. The white spruce is dead from budworm.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Log	14		White Pine	Low	10 - 20 feet	Sapling
White Pine	30	Log	18		Balsam Fir	Low	10 - 20 feet	Sapling
Sugar Maple	55	Log	16	109	Northern White Cedar	Low	10 - 20 feet	Sapling
Red Maple	5	Log	12		Sugar Maple	Low	10 - 20 feet	Sapling
Yellow Birch	5	Log	16					

2023: Not field checked.

**16** 42200 - Natural White Pine Sawtimber Well 9.8 165 111-140 N/A Rugged terrain. White pine on rock bluffs. Did not see any old stumps.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	8		Balsam Fir	Low	10 - 20 feet	Sapling
Paper Birch	5	Log	12		Northern White Cedar	Low	>20 feet	Pole
Quaking Aspen	5	Log	16		Black Cherry	Low	10 - 20 feet	Sapling
Balsam Fir	10	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
White Pine	60	Log	18	165				
White Spruce	5	Log	12					
Red Maple	10	Pole	8					

2023: Not field checked.

**17** 6229 - Mixed lowland shrub Nonstocked 4.6 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**18** 4115 - Y.Birch, Hemlock NH Sawtimber Well 27.9 109 111-140 N/A Herman Stew 11-007-05-01. Look to thin in 2025.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	35	Log	12	109	Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	25	Log	12		Balsam Fir	Medium	10 - 20 feet	Sapling
Yellow Birch	20	Log	12		White Pine	Low	10 - 20 feet	Sapling
White Spruce	5	Log	12		Ironwood	Medium	10 - 20 feet	Sapling
White Pine	10	Log	16		Black Cherry	Medium	10 - 20 feet	Sapling
Black Cherry	5	Log	12					

**19** 4117 - Mixed N. Hardwood - Pine Sawtimber Well 47.7 109 111-140 N/A Big Rock Bluff. White spruce is dead from budworm.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Log	14		Sugar Maple	Low	10 - 20 feet	Sapling
Sugar Maple	55	Log	16	109	White Pine	Low	10 - 20 feet	Sapling
White Pine	30	Log	18		Northern White Cedar	Low	10 - 20 feet	Sapling
Yellow Birch	5	Log	16		Balsam Fir	Low	10 - 20 feet	Sapling
Red Maple	5	Log	12					

2023: Not field checked.

**20** 4119 - Mixed Northern Hardwoods Sawtimber Well 19.0 109 81-110 N/A Harvested by MD Contracting for Triest in the winter of 2017/18 as part of 90 Mix 11-006-15.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log	12	109	Ironwood	Medium	10 - 20 feet	Sapling
Red Pine	2	Log	16		Balsam Fir	Low	10 - 20 feet	Sapling
White Pine	8	Log	16		Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	8	Pole/Log	10					
Yellow Birch	12	Pole/Log	12					
Basswood	10	Log/Pole	14					
Paper Birch	2	Pole/Log	10					
Quaking Aspen	3	Log	16					
Red Oak	5	Log	16					

**21** 4110 - Sugar Maple Association Sawtimber Well 11.7 109 111-140 N/A Herman Stew 11-007-05-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	90	Log	14	109	Ironwood	Low	10 - 20 feet	Sapling
Red Maple	2	Log	14		Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine	5	Log	18		Sugar Maple	Medium	10 - 20 feet	Sapling
Yellow Birch	3	Log	14					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**22**    6128 - Lowland Coniferous, Mixed Deciduous    Poletimber Well    20.8    139    Unspecified    N/A    Wet. Stream corridor. Stand is over a steep rock bank and stuck between the rock bank and a ditch following the RR Grade.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	10	Pole	8	
Balsam Fir	5	Pole	8	
Black Spruce	10	Pole	8	
Black Ash	10	Pole	8	
Red Maple	20	Pole	8	
Northern White Cedar	45	Pole	8	139

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	Sapling
Northern White Cedar	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling

**23**    6112 - Lowland Aspen    Sapling Well    34.8    5    1-50    N/A    Harvested by MD Contracting for Triest in the winter of 2017/18 as part of 90 Mix 11-006-15. Hemlock, pine and cedar were reserved during harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	
Red Pine	1	XLog/Log	18	
Paper Birch	10	Sapling	1	
Quaking Aspen	41	Sapling	1	5
Balsam Fir	11	Sapling	1	
Yellow Birch	1	Sapling	1	
Hemlock	2	Log	16	
Northern White Cedar	2	Pole	8	
White Spruce	1	Sapling	1	
Sugar Maple	1	Sapling	1	
White Pine	20	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Yellow Birch	Low	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling

**24**    42200 - Natural White Pine    Sawtimber Poor    9.1    139    1-50    N/A    Herman Stew 11-007-05-01 . Heavy Moose Browse.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	100	Log	16	139

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Red Maple	High	10 - 20 feet	Sapling

This is an upland mix stand with some residual white pine

**25**    4110 - Sugar Maple Association    Poletimber Well    14.5    109    51-80    N/A    Harvested by MD Contracting for Triest in the winter of 2017/18 as part of 90 Mix 11-006-15.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Pole/Log	10	109
Yellow Birch	7	Pole/Log	10	
Basswood	10	Pole/Log	10	
White Pine	3	Log	16	
Red Maple	5	Pole/Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Northern White Cedar	Low	>20 feet	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**26** 6127 - Lowland Pine Sapling Poor 6.4 103 1-50 N/A Treed bog with white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling	3	
Northern White Cedar	5	Sapling	3	
Black Spruce	15	Sapling	3	
Tamarack	5	Sapling	3	
White Pine	70	Sapling	3	103

**27** 6129 - Mixed Coniferous Lowland Forest Poletimber Well 11.2 117 Unspecified N/A Several drainages flow through the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	45	Pole	8	117
Tamarack	5	Log	12	
Northern White Cedar	40	Pole	8	
White Pine	2	Log	16	
Yellow Birch	8	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling
Tag Alder	High	10 - 20 feet	Tall Shrub

**28** 6129 - Mixed Coniferous Lowland Forest Poletimber Well 15.4 117 Unspecified N/A Very wet stand. Several drainages flow through the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	45	Pole	8	117
Northern White Cedar	40	Pole	8	
Yellow Birch	8	Log	16	
Tamarack	5	Log	12	
White Pine	2	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling
Tag Alder	High	10 - 20 feet	Tall Shrub

**29** 429 - Mixed Upland Conifers Sapling Poor 26.4 6 Immature N/A Western edge of the stand is very steep. Good amount of paper birch coming in the stand. Nice balsam regen.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	15	Sapling	1	
Quaking Aspen	15	Sapling	1	
White Spruce	10	Sapling	1	
White Pine	5	Log	14	101
Balsam Fir	45	Sapling	1	6
Red Maple	10	Sapling	1	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**30** 42200 - Natural White Pine Sawtimber Well 64.9 103 111-140 N/A Very rough terrain, not operable.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Balsam Fir	10	Pole	8	
White Spruce	5	Log	12	
White Pine	60	Log	18	103
Black Cherry	5	Pole	8	
Quaking Aspen	5	Log	16	
Paper Birch	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Northern White Cedar	Low	>20 feet	Pole
Red Maple	Low	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling

2023: Not field checked.

**31** 42200 - Natural White Pine Sawtimber Poor 52.9 139 1-50 N/A Herman Stew 11-007-05-01

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	100	Log	16	139

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	10 - 20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling

This is an upland mixed stand with white pine overstory.

**32** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 20.8 16 1-50 N/A Herman Stew 11-007-05-01

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	
White Pine	5	Sapling	1	
Yellow Birch	5	Sapling	1	
White Pine	5	Log	18	
Quaking Aspen	20	Sapling	1	16
Balsam Fir	15	Sapling	1	
Black Spruce	5	Sapling	1	
White Spruce	5	Sapling	1	
Sugar Maple	5	Sapling	1	
Northern White Cedar	5	Pole	8	
Paper Birch	5	Sapling	1	
Black Cherry	5	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 47.3 16 1-50 N/A Herman Stew 11-007-05-01

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Sapling	1	
Black Spruce	5	Sapling	1	
Red Maple	20	Sapling	1	16
White Pine	5	Sapling	1	
Yellow Birch	5	Sapling	1	
White Pine	5	Log	18	
Paper Birch	5	Sapling	1	
Black Cherry	5	Sapling	1	
Quaking Aspen	20	Sapling	1	16
Sugar Maple	5	Sapling	1	
Northern White Cedar	5	Pole	8	
Balsam Fir	15	Sapling	1	

**34** 4319 - Mixed Upland Forest Sapling Well 44.4 6 Immature N/A Cut 2018 Mikes Mix

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	8	Sapling	1	
Black Spruce	5	Sapling	1	6
White Pine	5	XLog	18	80
Tamarack	10	Sapling	1	
Quaking Aspen	15	Sapling	1	6
Black Cherry	5	Pole/Log	10	
Paper Birch	33	Sapling	1	6
Red Pine	2	Log	16	
Northern White Cedar	2	Pole/Log	10	
Balsam Fir	10	Sapling	1	
Red Maple	5	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	10 - 20 feet	Tall Shrub

2023: Lots of paper birch regeneration.

**35** 6229 - Mixed lowland shrub Nonstocked 6.4 Unspecified No

**36** 4110 - Sugar Maple Association Sawtimber Well 9.6 109 111-140 N/A Herman Stew 11-007-05-01. G

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	80	Log	12	109
Red Maple	5	Log	12	
White Pine	5	Log	18	
Yellow Birch	10	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling

2023: Good regen present. BA is 110-120.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>37</b>	6130 - Fir, Aspen, Maple	Poletimber Well	7.6	30	Immature	N/A	Small diameter tamarack stand on very wet ground, looks like a grown over bog. 2023: Tamarack was killed by larch borer. Stand is regenerating.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	10	Pole	8	89	Tamarack	Medium	10 - 20 feet	Sapling
Quaking Aspen	15	Sapling/Pole	4		Black Spruce	Low	10 - 20 feet	Sapling
White Pine	5	Log/Pole	14		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	30	Sapling	1					
Paper Birch	10	Sapling/Pole	4					
Red Maple	30	Sapling	2	30				

<b>38</b>	6229 - Mixed lowland shrub	Nonstocked	125.6		Unspecified	No	
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<b>39</b>	42200 - Natural White Pine	Sawtimber Well	5.6	103	111-140	N/A	Very rough terrain, not operable. 2023: Not field checked.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Log	12		Black Cherry	Low	10 - 20 feet	Sapling
White Spruce	5	Log	12		Northern White Cedar	Low	>20 feet	Pole
White Pine	60	Log	18	103	Red Maple	Low	10 - 20 feet	Sapling
Black Cherry	5	Pole	8		Balsam Fir	Medium	10 - 20 feet	Sapling
Sugar Maple	10	Pole	8					
Balsam Fir	10	Pole	8					
Quaking Aspen	5	Log	16					

<b>40</b>	42110 - Planted Red Pine	Sawtimber Well	31.8	48	51-80	N/A	Acquired from Champion. Planted red pine, mostly failed. Reserve red pine, white pine, cedar, oak and hemlock. Might have to mark some red pine. Harvest everything else. Cut spring 2018 Mikes Mix.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	80	Log/Pole	10	48	Balsam Fir	High	10 - 20 feet	Sapling
Black Cherry	2	Pole	6		Paper Birch	High	5 - 10 feet	Sapling
Northern White Cedar	5	Pole	8		Black Cherry	Low	5 - 10 feet	Sapling
White Pine	13	Log	14		Red Maple	Low	10 - 20 feet	Sapling
					Quaking Aspen	Medium	5 - 10 feet	Sapling

<b>41</b>	6229 - Mixed lowland shrub	Nonstocked	9.4		Unspecified	No	
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<b>42</b>	4134 - Aspen, Spruce/Fir	Sapling Well	26.2	4	Immature	N/A	90 Mix 11-006-15, Cut winter 2018/19
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Sapling	1	4
Balsam Fir	10	Sapling	1	4
White Pine	5	Log	16	
Black Spruce	5	Sapling	1	
White Spruce	10	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**43**      6139 - Mixed Lowland Forest      Sapling Well      36.1      6      Immature      N/A      Cut spring 2018 Mikes Mix. Sand ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	XLog	20	87	Tag Alder	Low	10 - 20 feet	Tall Shrub
Quaking Aspen	18	Sapling	1					
Black Cherry	5	Sapling	1					
Tamarack	15	Sapling	1	6				
Black Spruce	10	Sapling	1					
Balsam Fir	30	Sapling	1	6				
Red Maple	10	Sapling	1					
Paper Birch	10	Sapling	1					

**44**      6229 - Mixed lowland shrub      Nonstocked      25.6           Unspecified      No

**45**      4319 - Mixed Upland Forest      Sapling Well      53.5      4      Immature      N/A      90 Mix 11-006-15, Cut winter 2018/19

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	40	Sapling	1	4
Black Cherry	2	Pole	8	
Balsam Fir	33	Sapling	1	
White Spruce	10	Sapling	1	
Black Spruce	5	Sapling	1	4
Tamarack	5	Sapling	1	
White Pine	5	Log	16	

**46**      429 - Mixed Upland Conifers      Sawtimber Well      7.1      103      81-110      N/A      Riparian corridor. The stand in on a hill sloping towards the river.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Log	10		Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	20	Pole	8		Balsam Fir	High	10 - 20 feet	Sapling
White Spruce	10	Log	14		Northern White Cedar	Low	>20 feet	Pole
White Pine	40	Log	18	103				
Red Maple	10	Pole	8					
Quaking Aspen	10	Log	14					
Yellow Birch	5	Pole	8					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**47**      429 - Mixed Upland Conifers      Poletimber Well      37.5      41      51-80      N/A      Sale completed in 1982.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	15	Pole	6	
Quaking Aspen	25	Pole	6	
White Spruce	5	Pole	6	
Black Spruce	35	Pole	6	41
Tamarack	5	Pole	6	
White Pine	5	Log	16	
Balsam Fir	10	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling

2023: Not ready for harvest yet. The balsam has some dieback from budworm but the aspen is not large enough to justify harvesting yet.

**48**      6124 - Lowland Spruce-Fir      Poletimber Well      10.8      80      Unspecified      N/A      Was part of stand 34 to the north, uncut river buffer. 2023: Not field checked.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	30	Pole	8	80
Red Pine	2	Log	16	
Tamarack	20	Log/Pole	10	
Northern White Cedar	2	Log/Pole	10	
White Spruce	8	Pole	8	
White Pine	5	XLog/Log	18	
Black Cherry	5	Log/Pole	10	
Quaking Aspen	5	Log/Pole	14	
Balsam Fir	18	Pole	8	
Paper Birch	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Low	5 - 10 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	Low	5 - 10 feet	Sapling
Balsam Fir	Medium	5 - 10 feet	Sapling

**49**      6124 - Lowland Spruce-Fir      Poletimber Well      9.0      83      Unspecified      N/A      Wet along the east edge.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Pole	8	
Black Spruce	40	Pole	8	83
Northern White Cedar	5	Pole	8	
White Pine	5	Pole	8	
Black Cherry	5	Pole	8	
Balsam Fir	30	Pole	8	
Yellow Birch	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Black Spruce	Low	10 - 20 feet	Sapling
Tamarack	Low	10 - 20 feet	Sapling

2023: The stand is looking good yet. Look to harvest in 2035 with Stand 47.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>50</b>	4319 - Mixed Upland Forest	Poletimber Well	37.9	40	Unspecified	N/A	Harvested in 1982.																																																				
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Canopy Species	% Cover	Size Class	DBH	Age																																																							
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<b>51</b>	42340 - Upland Spruce/Fir	Sapling Well	8.7	4	Immature	N/A	90 Mix 11-006-15, Cut winter 2018/19																									
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<b>52</b>	42110 - Planted Red Pine	Poletimber Well	35.7	48	81-110	N/A	Acquired from Champion. Poor stocking, wide spacing with intermingled grassy areas.																																									
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<b>53</b>	42110 - Planted Red Pine	Poletimber Well	52.6	48	81-110	N/A	Acquired from Champion. Russins Red Pine 11-022-14																													
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<b>54</b>	6130 - Fir, Aspen, Maple	Sapling Well	20.0	9	Immature	N/A	Rusins Red Pine 11-022-14, harvested 2014/15																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>55</b>	42340 - Upland Spruce/Fir	Sapling Well	3.0	9	Immature	N/A	Rusins Red Pine 11-022-14, harvested 2014/15
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	50	Sapling	1	9
Balsam Fir	50	Sapling	1	9

<b>56</b>	4319 - Mixed Upland Forest	Poletimber Well	16.8	48	81-110	N/A	Acquired from Champion. Poor quality aspen with small diameter spruce and fir. Manage for spruce and fir, look to cut in 2025.
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	5	Pole	4	
Black Cherry	5	Pole	4	
Paper Birch	5	Pole	4	
Quaking Aspen	45	Pole	4	48
Balsam Fir	20	Pole	4	
White Spruce	5	Pole	4	
Black Spruce	15	Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	10 - 20 feet	Sapling

<b>57</b>	42340 - Upland Spruce/Fir	Poletimber Well	24.8	61	Unspecified	N/A	Western edge of the stand is very steep.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log	14	101
Paper Birch	5	Pole	8	
White Spruce	10	Pole	8	
Red Maple	10	Pole	8	
Balsam Fir	55	Pole	8	61
Quaking Aspen	15	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	High	10 - 20 feet	Sapling

<b>58</b>	4134 - Aspen, Spruce/Fir	Sapling Well	25.8	9	Immature	N/A	Acquired from Champion. Rusins Red Pine 11-022-14, harvested 2014/15
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	3	Log	16	
Red Maple	15	Sapling	1	9
Paper Birch	2	Pole	8	
Quaking Aspen	50	Sapling	1	9
Balsam Fir	15	Sapling	1	9
Black Cherry	5	Pole	8	
White Spruce	10	Sapling	1	9

<b>59</b>	3102 - Grass	Nonstocked	9.9		Unspecified	No	Powerline ROW
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<b>60</b>	3102 - Grass	Nonstocked	8.7		Unspecified	No	Hwy ROW
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
<b>61</b>	42120 - Planted Jack Pine	Sapling Well	2.1	18	Unspecified	N/A	Old MDOT borrow pit.																																																						
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<b>62</b>	42220 - Natural Jack Pine	Poletimber Well	2.3	40	51-80	N/A	Old MDOT Borrow pit. Planted jack pine.																																																						
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Red Pine	10	Pole	6																																																										
<b>63</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	8.2	9	Immature	N/A	Rusins Red Pine 11-022-14, harvested 2014/15. The part of stand east of the Herman Nestoria Road was anchor chained to attempt to increase the chance of paper birch regeneration. It does not seem to have worked (2/2023)																																																						
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<b>64</b>	4130 - Aspen	Sapling Poor	19.3	9	Immature	N/A	Rusins Red Pine 11-022-14, harvested 2014/15. Paper Birch was reserved.																																																						
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<b>65</b>	122 - Road/Parking Lot	Nonstocked	4.1		Unspecified	No	Hwy ROW																																																						





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
<b>66</b>	4319 - Mixed Upland Forest	Sapling Poor	16.4	9	1-50	N/A	Rusins Red Pine 11-022-14, harvested 2014/15. Paper birch was reserved.																																																								
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<b>67</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	24.1	65	81-110	N/A	Very rough ground. Rock bluffs and cliffs. Adjacent corporate property was clearcut.  2023: Got into the stand - an aspen stand on rugged ground. Access from pvt to the west. Ready to harvest, timber will decline if left until 2035.																																																								
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<b>68</b>	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	5.3	97	51-80	N/A	Rough ground, low stocking. This strip of timber was left by request of MDOT to block the snowmobile trail from the Hwy.																																																								
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<b>69</b>	6229 - Mixed lowland shrub	Nonstocked	25.7		Unspecified	No																																																									
<b>70</b>	6122 - Black Spruce	Sapling Well	3.9	97	Unspecified	N/A	Treed Bog																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**71**      6112 - Lowland Aspen      Sapling Well      23.9      9      1-50      N/A      Teddy Lake Fir 11-009-15, harvested winter 2013-15.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Sapling	7		Hazelnut (Beaked)	Low	10 - 20 feet	Tall Shrub
Red Maple	20	Sapling	1	9				
Quaking Aspen	45	Sapling	1	9				
Balsam Fir	15	Sapling	1	9				
White Pine	5	Log	16					
Black Cherry	10	Pole	8					

**72**      122 - Road/Parking Lot      Nonstocked      3.1           Unspecified      No      Hwy ROW

**73**      4119 - Mixed Northern Hardwoods      Poletimber Well      65.4      83      81-110      N/A      Very rugged terrain. The stand has drainages running in the bottoms of the valleys.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	3	Pole	8		Balsam Fir	Low	10 - 20 feet	Sapling
Red Oak	5	Log	16		Sugar Maple	Low	10 - 20 feet	Sapling
Yellow Birch	5	Pole	8		Ironwood	Low	10 - 20 feet	Sapling
Balsam Fir	2	Pole	8					
White Spruce	3	Log	14					
Paper Birch	2	Pole	8					
Sugar Maple	50	Pole	8	83				
White Pine	5	Log	16					
Red Maple	20	Pole	8					
Black Cherry	5	Pole	8					

**74**      710 - Sand, Soil      Nonstocked      11.0           Unspecified      No      Leased gravel pit to Baraga County Road Commission.

**75**      6124 - Lowland Spruce-Fir      Poletimber Well      7.7      95      Unspecified      N/A      PVT access needed

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	35	Pole/Log	10	95	Tamarack	Low	10 - 20 feet	Sapling
Paper Birch	5	Log	12		White Spruce	Low	10 - 20 feet	Sapling
White Pine	5	Log	16		Hazelnut (Beaked)	Medium	10 - 20 feet	Tall Shrub
Quaking Aspen	10	Log	14		Red Maple	Low	10 - 20 feet	Sapling
White Spruce	10	Log	14		Balsam Fir	Medium	10 - 20 feet	Sapling
Black Spruce	10	Pole/Log	9		Black Cherry	Low	10 - 20 feet	Sapling
Red Maple	10	Pole	8					
Black Cherry	5	Pole	8					
Tamarack	10	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>76</b>	6112 - Lowland Aspen	Sapling Well	7.9	9	1-50	N/A	Teddy Lake Fir 11-009-15, harvested winter 2013-15.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	8		Hazelnut (Beaked)	Medium	10 - 20 feet	Tall Shrub
Red Maple	25	Sapling	1	9				
Paper Birch	5	Pole/Sapling	7					
Quaking Aspen	40	Sapling	1	9				
Balsam Fir	15	Sapling	1	9				
White Spruce	5	Sapling	1	9				
White Pine	5	Log	16					

<b>77</b>	3102 - Grass	Nonstocked	13.3		Unspecified	No	Powerline ROW
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<b>78</b>	710 - Sand, Soil	Nonstocked	2.4		Unspecified	No	Gravel pit leased to Baraga County Road Commission.
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<b>79</b>	4136 - Aspen, Mixed Conifer	Sapling Well	48.3	26	Unspecified	N/A	There are scattered white pine along with aspen and balsam that were not cut in 1997.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Sapling	2	26
White Spruce	5	Sapling	2	
White Pine	3	Sapling	2	
Tamarack	3	Sapling	2	
Balsam Fir	10	Sapling	2	
Red Maple	5	Sapling	2	
White Pine	10	Log	18	
Paper Birch	8	Sapling	2	
Black Cherry	4	Sapling	2	
Black Spruce	2	Sapling	2	

<b>80</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	24.7	109	81-110	N/A	Nestoria Ready Mix 11-017-95-01 . Area could be affected by topo. If access is desired through sections 7 please contact property owner Pat McConnell 920-279-4459 or his caretaker Randy Swartz 906-869-0769. They have placed a gate on Berry Road road on the south line of Sections 17.2018: Blinded By Science MWR, cut winter 2017-18.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	3	Log	18		Sugar Maple	High	10 - 20 feet	Sapling
Black Cherry	10	Pole	8		Balsam Fir	Low	10 - 20 feet	Sapling
Sugar Maple	60	Log	12	109	Ironwood	Low	10 - 20 feet	Sapling
Red Oak	5	Log	12					
Yellow Birch	5	Log	12					
Red Maple	10	Log	12					
White Spruce	2	Log	12					
White Pine	5	Log	18					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>81</b>	6122 - Black Spruce	Poletimber Medium	26.9	103	Unspecified	N/A	Wet ground. The tamarack has mostly been killed by larch borer. Very poor stocking.
Canopy Species	% Cover	Size Class	DBH	Age			
Northern White Cedar	5	Log	12				
White Pine	5	Log	16				
Tamarack	10	Pole/Log	9	103			
Balsam Fir	5	Pole/Log	9				
Paper Birch	2	Pole/Log	9				
Red Maple	20	Sapling	2				
Black Spruce	50	Pole/Sapling	6	103			
Quaking Aspen	3	Pole/Log	9				
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	Low	10 - 20 feet	Sapling				
Tamarack	Medium	10 - 20 feet	Sapling				
Black Spruce	Low	10 - 20 feet	Sapling				
Tag Alder	High	10 - 20 feet	Tall Shrub				

<b>82</b>	6121 - Tamarack	Sapling Medium	8.1	50	Unspecified	N/A	Treed bog.
Canopy Species	% Cover	Size Class	DBH	Age			
Tamarack	85	Sapling	3	50			
White Pine	5	Pole	4				
Black Spruce	10	Sapling	3				

<b>83</b>	6229 - Mixed lowland shrub	Nonstocked	2.7		Unspecified	No	
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<b>84</b>	629 - Mixed non-forested wetland	Nonstocked	46.9		Unspecified	No	Stream corridor.
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<b>85</b>	42200 - Natural White Pine	Sawtimber Poor	38.7	125	1-50	N/A	Nestoria Ready Mix 11-017-95-01. "All trees over 6" @ dbh were cut (other than white pine) White pine marked with orange were cut" The regenerating stand is 2" dbh and 18 yrs old.
Canopy Species	% Cover	Size Class	DBH	Age			
White Pine	100	XLog/Log	18	125			
Sub-Canopy Species	Density	Avg. Height	Size				
Black Spruce	Low	10 - 20 feet	Sapling				
Tamarack	Low	10 - 20 feet	Sapling				
White Pine	Low	10 - 20 feet	Sapling				
Balsam Fir	Low	10 - 20 feet	Sapling				
White Spruce	Low	10 - 20 feet	Sapling				
Paper Birch	Low	10 - 20 feet	Sapling				
Red Maple	Low	10 - 20 feet	Sapling				
Black Cherry	Low	10 - 20 feet	Sapling				
Quaking Aspen	Low	10 - 20 feet	Sapling				

<b>86</b>	6121 - Tamarack	Sapling Medium	4.0	50	Unspecified	N/A	Treed bog.
Canopy Species	% Cover	Size Class	DBH	Age			
Black Spruce	10	Sapling	3				
White Pine	5	Pole	4				
Tamarack	85	Sapling	3	50			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**87**      6121 - Tamarack      Sapling Medium      7.3      50      Unspecified      N/A      Treed Bog

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Sapling	3	
White Pine	5	Pole	4	
Tamarack	85	Sapling	3	50

**88**      122 - Road/Parking Lot      Nonstocked      1.8           Unspecified      No      Highway ROW.

**89**      42330 - Upland Fir      Poletimber Well      4.9      60      Unspecified      N/A      Small acreage off of the hwy. A turnaround would take most of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Pole	8		Black Spruce	Low	10 - 20 feet	Sapling
Black Spruce	20	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	70	Pole	8	60	Balsam Fir	Medium	10 - 20 feet	Sapling
Quaking Aspen	5	Pole	8					

**90**      42340 - Upland Spruce/Fir      Poletimber Well      1.0      48      51-80      N/A      Stream buffer.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	30	Pole	6	48
Black Spruce	40	Pole	6	48
Tamarack	30	Pole	6	48

**91**      6124 - Lowland Spruce-Fir      Poletimber Well      14.1      80      Unspecified      N/A      Uncut stream buffer.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Log/Pole	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	5	Log/Pole	14		Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine	5	XLog/Log	18		Black Spruce	Low	5 - 10 feet	Sapling
Black Cherry	5	Log/Pole	10		Paper Birch	Low	5 - 10 feet	Sapling
Tamarack	20	Log/Pole	10					
Northern White Cedar	2	Log/Pole	10					
Balsam Fir	18	Pole	8					
White Spruce	8	Pole	8					
Black Spruce	30	Pole	8	80				
Red Pine	2	Log	16					

2023: Not field checked.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**92**      6124 - Lowland Spruce-Fir      Poletimber Well      36.3      80      Unspecified      N/A      The road through the middle of the stand is on a ridge.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	25	Pole	8	
Red Maple	5	Pole	8	
Black Spruce	33	Pole	8	80
Tamarack	2	Log/Pole	10	
White Pine	5	XLog	18	80
White Spruce	8	Pole	8	
Northern White Cedar	5	Log/Pole	10	
Paper Birch	5	Pole/Log	10	
Red Pine	2	Log	16	
Quaking Aspen	5	Log	14	
Black Cherry	5	Pole/Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Black Spruce	Low	10 - 20 feet	Sapling
Tag Alder	Low	10 - 20 feet	Tall Shrub
Paper Birch	Low	10 - 20 feet	Sapling

2023: Tamarack is dead from larch borer, balsam is in tough shape from budworm.

**93**      6229 - Mixed lowland shrub      Nonstocked      8.6           Unspecified      No

**94**      42340 - Upland Spruce/Fir      Poletimber Well      2.8      61      Unspecified      N/A      The stand is a bluff between the Herman Nestoria Road and a bog.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	55	Pole	8	61
Red Maple	10	Pole	8	
White Pine	5	Log	14	101
Quaking Aspen	15	Pole	8	
White Spruce	10	Pole	8	
Paper Birch	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	High	10 - 20 feet	Sapling

**95**      4110 - Sugar Maple Association      Poletimber Well      1.6      109      51-80      N/A      90 Mix 11-006-15, Cut winter 2018/19

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Pole/Log	10	109
Red Maple	5	Pole/Log	10	
White Pine	3	Log	16	
Yellow Birch	7	Pole/Log	10	
Basswood	10	Pole/Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	Low	>20 feet	Pole
Sugar Maple	Medium	10 - 20 feet	Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**97** 4112 - Maple, Beech, Cherry Association Sawtimber Well 26.1 109 81-110 N/A MWR Treatment Area.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	3	Log	18	
Black Cherry	10	Pole	8	
Sugar Maple	60	Log	12	109
Red Maple	10	Log	12	
Yellow Birch	5	Log	12	
Red Oak	5	Log	12	
White Spruce	2	Log	12	
White Pine	5	Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Ironwood	Low	10 - 20 feet	Sapling
Sugar Maple	High	10 - 20 feet	Sapling

Nestoria Ready Mix 11-017-95-01 . Area could be affected by topo.  
If access is desired through sections 7 please contact property owner Pat McConnell 920-279-4459 or his caretaker Randy Swartz 906-869-0769. They have placed a gate on Berry Road road on the south line of Sections 17.  
2018: Blinded By Science MWR, cut writer 2017-18.