



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41040

Entry Year 2023

Acreage: 2,250

County Schoolcraft

Management Area: Seney Manistique Swamp

**Stand Examiner:** Tori Irving

## Legal Description:

T43N R16W Sections 21,28,31,32&33

## Identified Planning Goals:

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan.

## Soil and topography:

Soils in this compartment consist of Rubicon-Roselawn Sands, Wallace Sands, Carbondale and Rifle.

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

The eastern portion of the compartment has broken ownership and there is a fairly large portion of private holdings which were sold in the early 90's from Champion International. Now there are numerous gates in this area making access difficult. The Hiawatha National Forest borders on the west.

## Unique Natural Features:

The compartment is very remote with a mix of marsh and upland ridges.

## Archeological, Historical, and Cultural Features:

None known.

## Special Management Designations or Considerations:

The entire compartment falls within the Seney Manistique Swamp Management Area.

## Watershed and Fisheries Considerations:

This compartment is separated into four sections, with the largest southwest section containing Smith Creek and bordering an unnamed stream that serves as tributary to Sturgeon Hole Creek. Smith Creek is a non-designated stream less than 50' width and has a predicted mean July temperature of 63.5 °F (cold stream). 100' plus 5' per 1% increase in slope; buffers are recommended for Smith Creek to protect these areas in accordance with Best Management Practices.

Sturgeon Hole Creek is designated a Type 1 trout stream less than 50' width and has a predicted mean July temperature of 63.0 °F (cold stream). A 300' buffer is recommended for Sturgeon Hole Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

## Wildlife Habitat Considerations:

: This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46 F. Annual snowfall in this area averages between 120 and 140 inches. General Land Office (GLO) Surveyor notes show marsh and low pine ridges to be the dominant landforms in the southern portion of the compartment. The ridges held primarily jack pine and red pine with some tamarack, spruce, fir, aspen and white birch mixed in. Forested lowlands contained spruce, tamarack, and red pine. The open marshlands contained cranberry, and various grasses and sedges. The northern portion of the compartment contains more upland. The surveyor notes show this upland portion of the compartment (section 21) held a mix of white pine, balsam fir, hemlock, aspen, and red pines. Beaver ponds along Smith Creek played an important role in the ecology of the area. Wildfire and windthrow also provided natural disturbances within the compartment. Species composition throughout the compartment appears to be similar to that described in the GLO notes. Jack pine occurs on many of the ridges, as does white pine, red pine, white birch, and aspen. Low lying forested areas hold a mix of black spruce, jack pine, red pine, and white pine. Although the species composition is similar, there undoubtedly are differences in the structural composition when compared to the circa 1850 forest. Wildlife habitat objectives include maintaining species, age and structural diversity within and between conifer stands, protecting the integrity of the marshes, and maintaining a corridor along Smith Creek. Gray wolves (Federal and Michigan endangered) and sharp-tailed grouse (Michigan special

concern) are known to utilize this area. Other wildlife species of interest include northern harrier, saw-whet owl, river otter, and mink.

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

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. The nearest active sand/gravel pits are approximately two miles to the east/northeast (in secs 23-24). There may be some potential for sand & gravel in the east half of Sec 21, but otherwise wetlands would inhibit surface mining elsewhere in the compartment. There is no other known mineral potential within the compartment, and no current mineral leasing activity exists in the area.

### **Vehicle Access:**

There are two main Department Roads in the compartment, Smith Creek Road and the Haywire Grade. Access off the Grade into section 21 is limited due to fragmented private ownership. Also all of section 31 and the west half of 32 are marsh islands and have no road access.

### **Survey Needs:**

### **Recreational Facilities and Opportunities:**

The Haywire Grade in the northeast part of the compartment is a designated Snowmobile and ORV Trail. The lay of the land lends itself to some remote hunting opportunities.

### **Fire Protection:**

Fire response to the lands accessed off of Smith Creek Road will be slow due to distance and the equipment needed will likely be marsh type units. Due to all the private lands and gates in and around section 21 access will be difficult.

### **Additional Compartment Information:**

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

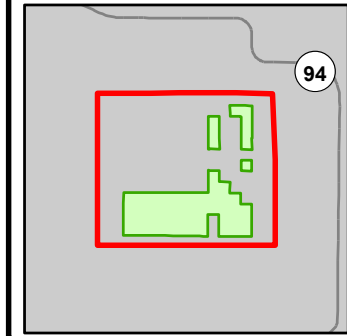
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

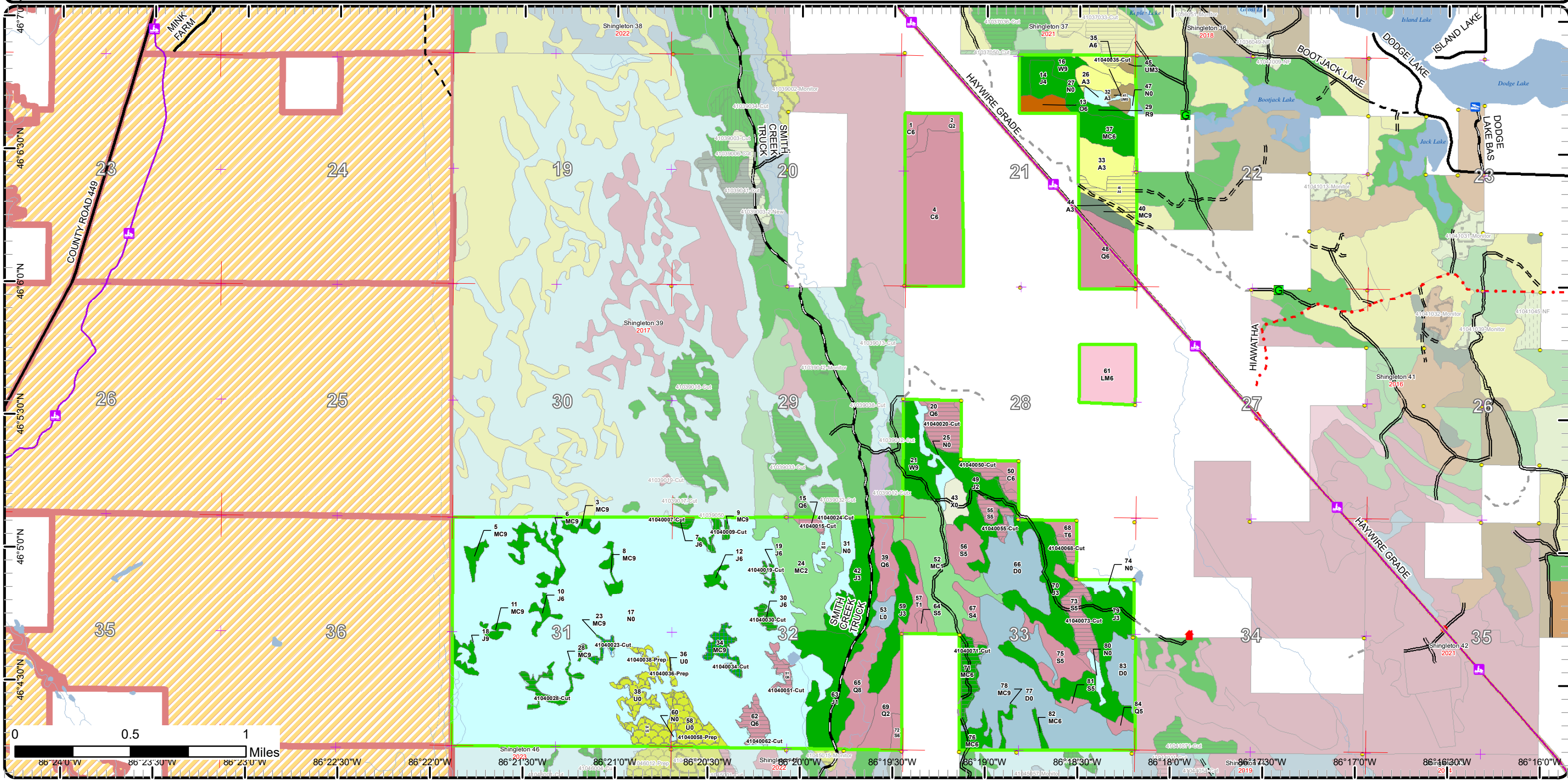
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 40  
 T43N, R16W, Sec: 16, 21, 28, 31-33  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Seney Manistique Swamp  
 YOE: 2023  
 Acres: 2249.8 GIS Calculated  
 Examiner: Tori Irving  
 Map Revised: 1/28/2022  
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
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- 🚙 Snowmobile Trails
- Designated ORV Route
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- 🏠 Cabin
- G Gate
- STOP Sign
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- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated



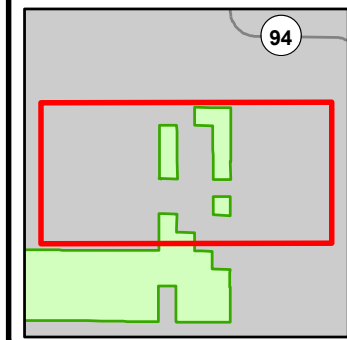




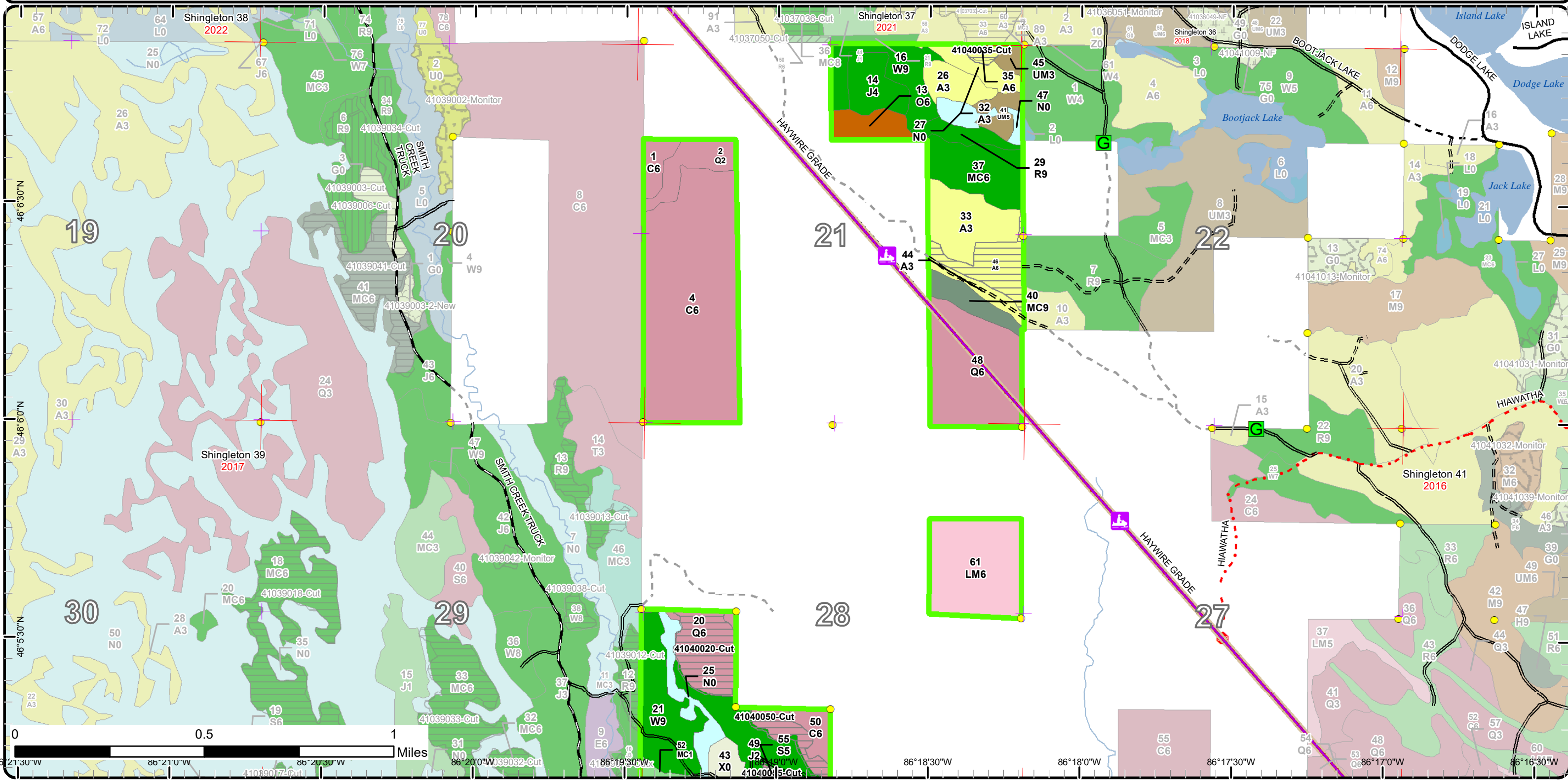


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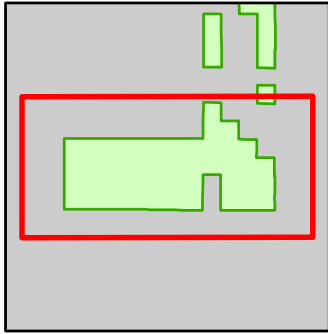
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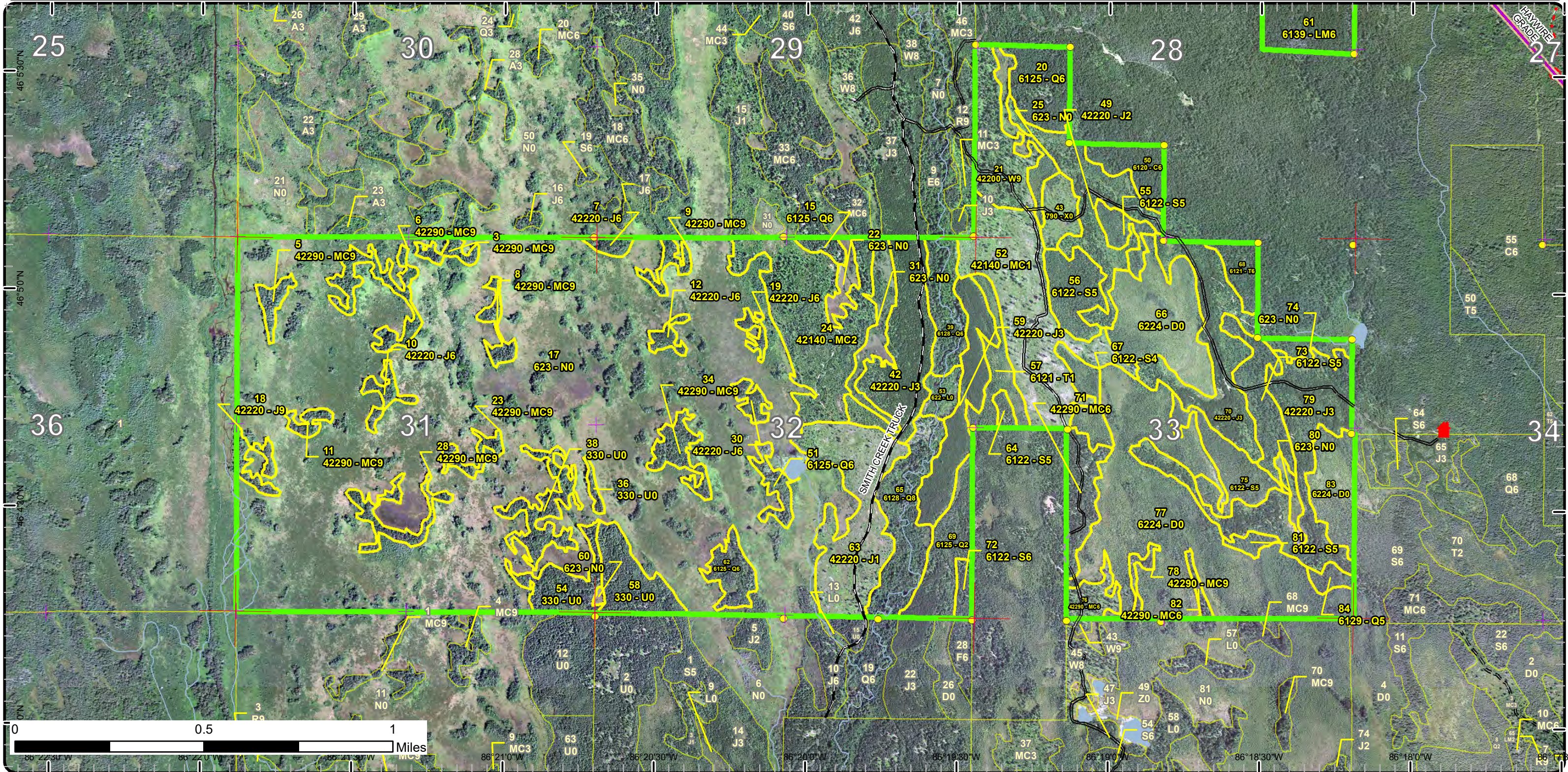


# Stand Boundary Map

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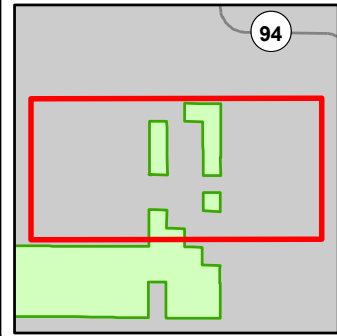
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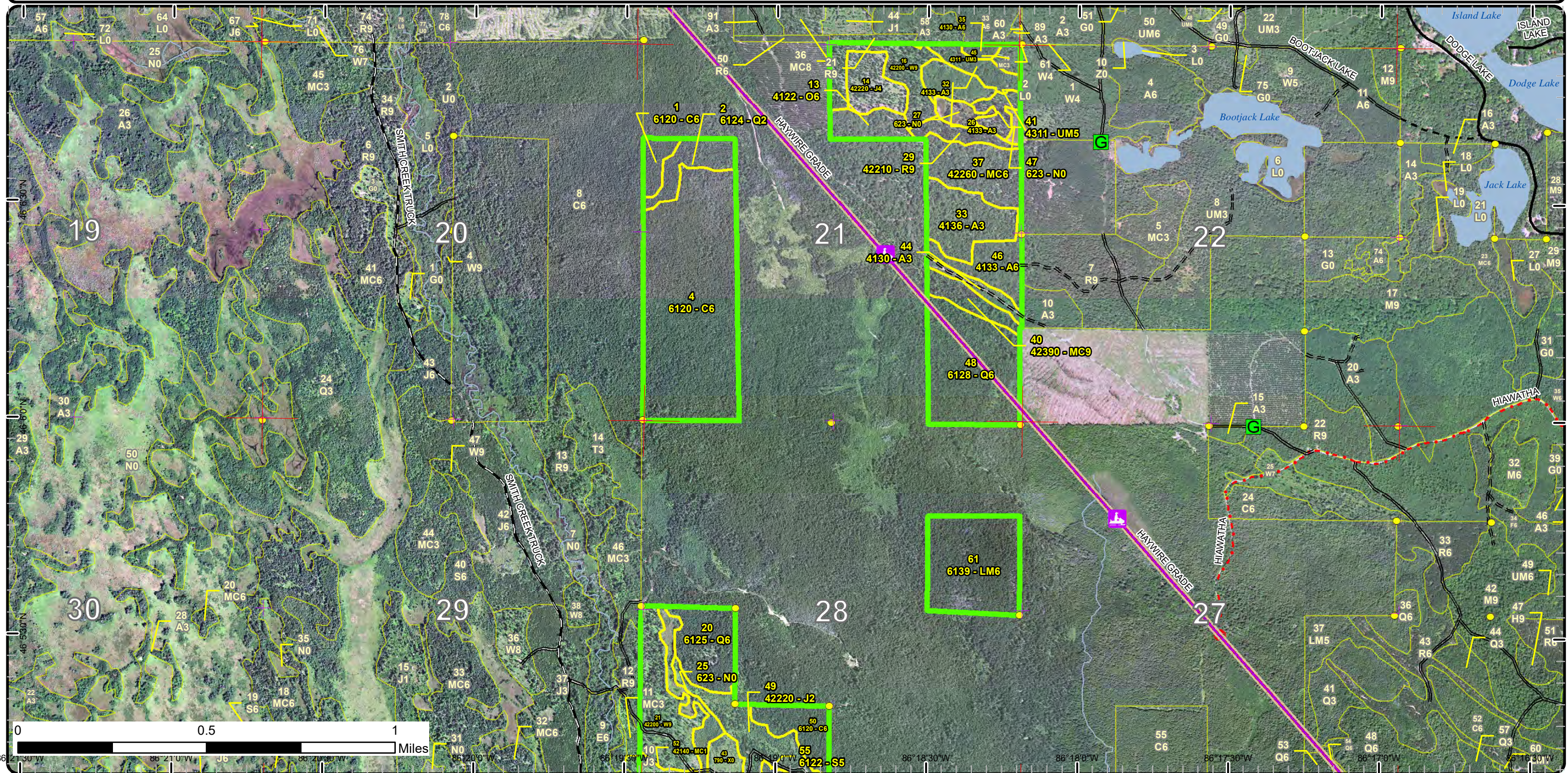


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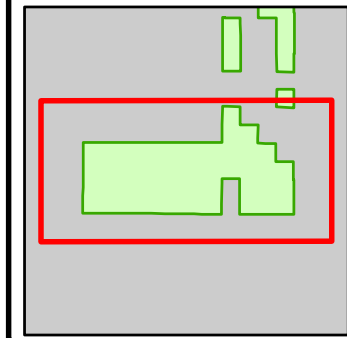
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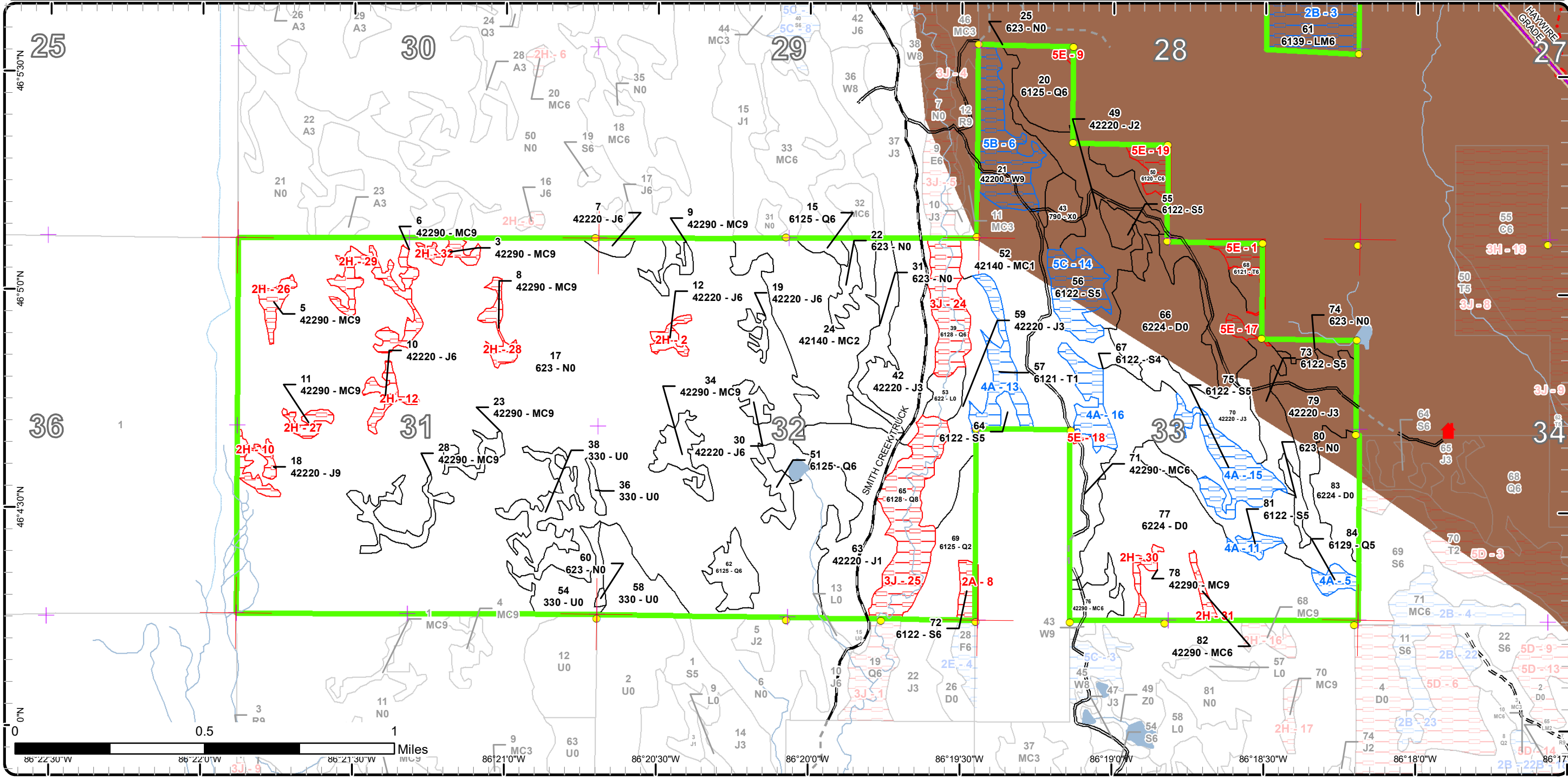


# Special Conservation Areas

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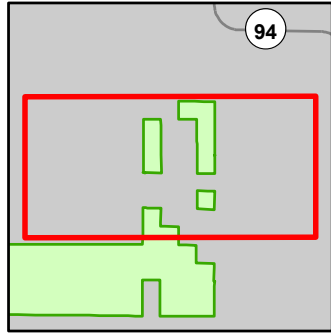
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)



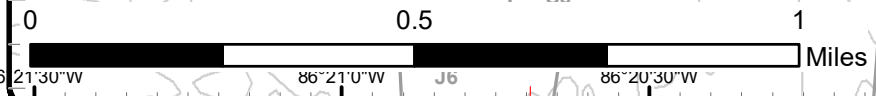
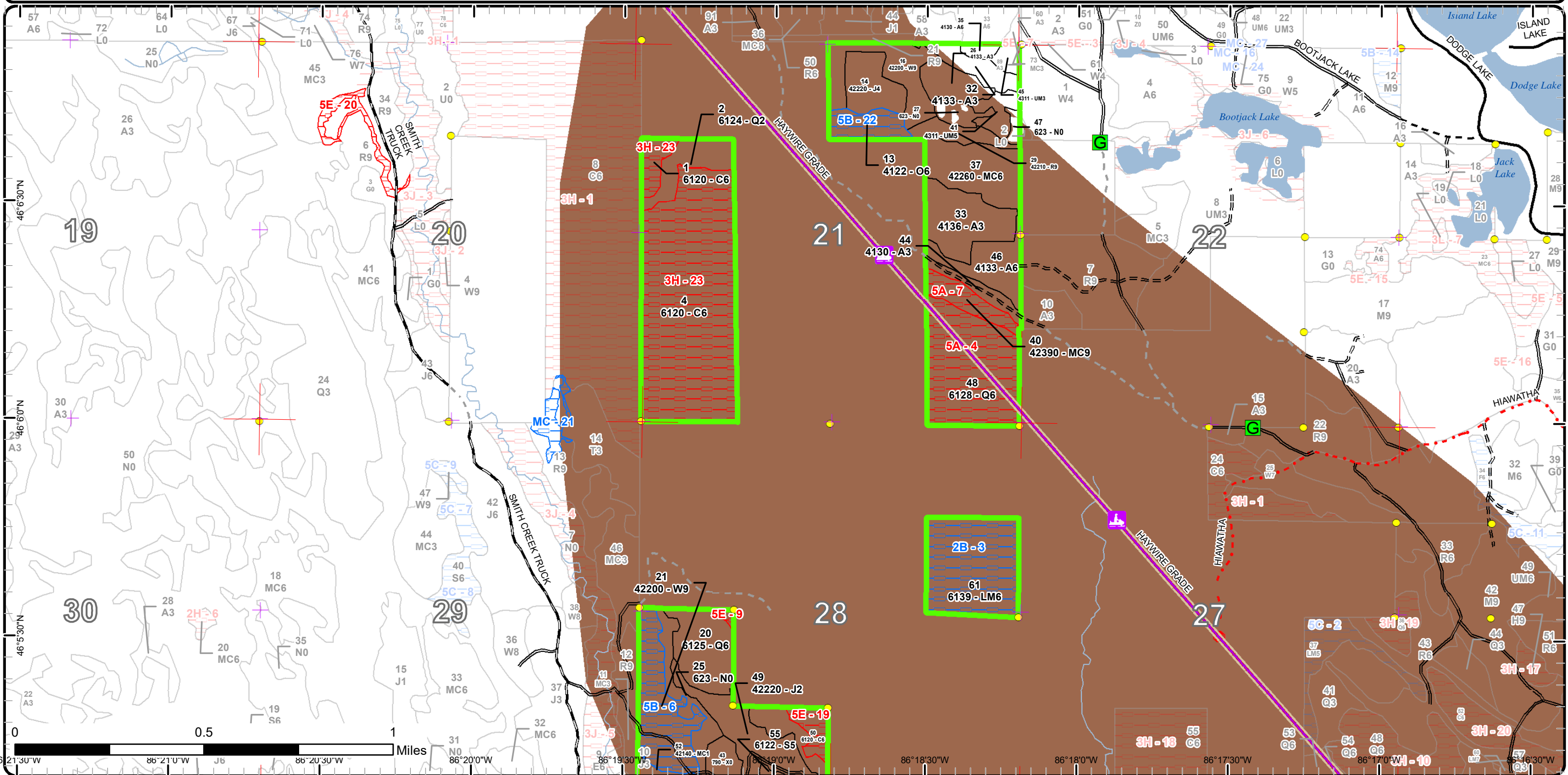


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  - Available w/ Constraints
  - Unavailable
  - Stand Boundaries
  - Cold Water Streams
  - Deer Winter Range
- 5B: Maintain for regeneration purposes  
 5A: Not able to obtain desirable regeneration  
 5E: Long-Term Retention





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	0	15	30	0	17	0	0	0	0	0	0	0	0	0	0	0	0	62
Bare/Sparsely Vegetated	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Cedar	0	0	0	0	0	0	0	0	0	0	0	108	0	0	14	0	0	0	122
Jack Pine	0	0	53	181	42	0	0	0	0	0	24	0	0	0	0	0	0	0	300
Low-Density Trees	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Conifers	0	0	0	0	23	0	12	0	34	0	44	46	0	21	0	0	0	0	180
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	40
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	7	0	34	46	0	0	0	0	0	0	87
Marsh	844	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	844
Natural Mixed Pines	0	0	0	0	22	0	0	0	0	0	63	26	0	0	0	0	0	0	110
Oak	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Planted Mixed Pines	0	68	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131
Red Pine	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Tamarack	0	0	0	0	0	0	0	0	15	0	0	0	0	9	0	0	0	0	24
Treed Bog	199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	199
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Upland Mixed Forest	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	0	0	0	0	0	0	19	0	27	0	0	0	0	0	0	46
<b>Total</b>	<b>1113</b>	<b>68</b>	<b>77</b>	<b>274</b>	<b>87</b>	<b>17</b>	<b>12</b>	<b>0</b>	<b>63</b>	<b>29</b>	<b>165</b>	<b>302</b>	<b>0</b>	<b>30</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2249</b>





## Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 40

Total Compartment Acres: 2,250

Commercial Harvest - 141  
 Harvests with Site Condition - 0  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	17	0	0	0	0	0	0	0	0	17
Cedar	9	0	0	0	0	0	0	0	0	9
Jack Pine	8	0	0	0	0	0	0	0	0	8
Lowland Conifers	39	0	0	0	0	0	0	0	0	39
Lowland Spruce/Fir	25	0	0	0	0	0	0	0	0	25
Natural Mixed Pines	22	0	0	14	4	0	0	0	0	39
Planted Mixed Pines	1	0	0	0	0	0	0	0	0	1
Tamarack	4	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>124</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>141</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	141	49	0	0	0	0	0	0	0	190
Next Step	0	17	0	0	0	184	0	0	0	201
<b>Total</b>	<b>141</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>391</b>





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

<b>7</b>	<b>41040007-Cut</b>	2.0	42220 - Natural Jack Pine	Poletimber Well	90	Unspec ified	Harvest	Clearcut with Retention	42220 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Stand is over-mature, harvest stand with stands to the north in Compartment 39, make start date 2017. Clearcut stand and leave some red and white pine for seed.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Old next step comments: Renerate jack pine including scarification, planting, or seeding. Acceptable regen is jack pine or a mix of jack, red and white pine.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2016</p>											

<b>9</b>	<b>41040009-Cut</b>	4.1	42290 - Natural Mixed Pine	Sawtimber Well	93	111- 140	Harvest	Shelterwood with Retention	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription Specs:</u> Stand should be harvested with stands to the north in Comp 39. Make the start date 2017. Do a shelterwood seed type cut , retain windfirm seed trees.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Old next step comments: Scarify if possible. Acceptable regen is a mix of pine species including red, white and jack. Follow-up next oi cycle with regen check.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2016</p>											

<b>15</b>	<b>41040015-Cut</b>	2.8	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	90	Unspec ified	Harvest	Clearcut with Retention	6125 - Lowland Black Spruce, Jack Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Stand is an upland ridge surrounded by lowland black spruce because of call had to go with lowland. Stand should be treated with stand 14 in C-39 (2017 YOE). schedule stand for harvest now with start date delayed till 2017. Clear-cut with reserves, retain some white pine and retention along lowland edges.</p> <p><u>Next Step Treatments:</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> mixture of current species onsite</p> <p><u>Other Comment:</u> Old next step comments: Scarify highground if possible. Acceptable regen is a mix of the current species count regen at the subsequent oi cycle.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2016</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
19	41040019-Cut	2.6	42220 - Natural Jack Pine	Poletimber Well	90	Unspec ified	Harvest	Clearcut with Retention	42220 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Island of over-mature jack pine, approximately 10' of red pine and 10' of white pine. Retain some red and white pine.</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> mixed conifer and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Due to size and location, site prep options are limited. Acceptable regen is a mix of the current species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>											
20	41040020-Cut	19.8	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	120	Unspec ified	Harvest	Clearcut with Retention	6125 - Lowland Black Spruce, Jack Pine	Even-Aged	No
<p><u>Prescription</u> Stand has an upland knoll component of way over mature jack pine surrounded by mostly tamarack. Stand needs to be cut retain patches of cedar, northeast. Also retain some red and white pine on upland for diversity.</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> mixed conifer and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Regenerate to a mix of the current species. Examine regen during the next oi cycle.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>											
23	41040023-Cut	3.9	42290 - Natural Mixed Pine	Sawtimber Well	93	81-110	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Stand is mainly jack pine with white pine logs on north transitioning to red pine on south back to jack pine mix on west edge. Several low connections but call upland since that is what we will manage for. Do a seed tree cut leaving windfirm red and white pine.</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> mixed conifer and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Acceptable regen is a mix of the current species. Examine regen at the next oi cycle.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>											
24	41040024-Cut	0.8	42140 - Planted Mixed Pine	Sapling Medium	20	1-50	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak. Leave some good quality red pine and white pine seed trees where available and located on high ground. Retention may be excluded along the marsh edge. Attempt to build road from south during timbersale on high ground to allow for us to scarify stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine, red pine, black spruce, white pine in uplands. mixed deciduous and conifer in lowlands.</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 /2016</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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28	41040028-Cut	8.4	42290 - Natural Mixed Pine	Sawtimber Well	93	111-140	Harvest	Clearcut with Retention	42290 - Natural Mixed Pine	Even-Aged	No
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Prescription Clearcut stand and leave some wind firm pine for seed. Stand is mature, a few solid areas of red pine (NE)

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Old next step comments: Acceptable regen is a mix of the current species, examine regen at the next oi cycle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2014

30	41040030-Cut	3.1	42220 - Natural Jack Pine	Poletimber Well	90	Unspecified	Harvest	Clearcut with Retention	42220 - Natural Jack Pine	Even-Aged	No
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Prescription Clear-cut stand and reserve some pine for seed, due to the size and location of stand site prep work will be a challenge.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Old next step comments: Acceptable regeneration is a mix of the current species, examine regen at the next OI cycle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2014

34	41040034-Cut	9.6	42290 - Natural Mixed Pine	Sawtimber Well	93	51-80	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Two-Aged	No
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Prescription Do a seedtree cut leaving red and white pine for seed. Other retention can be excluded on the fringes of the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Old next step comments: Acceptable regen is a mix of the current species. Examine regen at the next oi cycle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2014

35	41040035-Cut	2.5	4130 - Aspen	Poletimber Well	49	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees down to 2 inches except oak. Small stand, retention is located in main stand to north.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020





Stand Name	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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36	41040036-Prep	1.8	330 - Low-Density Trees	Nonstocked	0	Unspecified	SitePrep	Scarification	42290 - Natural Mixed Pine	Two-Aged	No
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Prescription scarify if possible

Specs:

Next Step ; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

38	41040038-Prep	14.0	330 - Low-Density Trees	Nonstocked	0	Unspecified	SitePrep	Scarification	42210 - Natural Red Pine	Two-Aged	No
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Prescription scarify

Specs:

Next Step ; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable red pine, white pine, jack pine in uplands. mixed conifer and deciduous in lowlands

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

46	41040046-Cut	14.5	4133 - Aspen, Mixed Pine	Poletimber Well	49	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest the stand. Leave retention along edges. Retain any oak, hemlock, and cedar if found within the stand boundary.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of species will be considered acceptable.

Regen:

Other Treat with stand in adjacent compartment.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

50	41040050-Cut	8.8	6120 - Lowland Cedar	Poletimber Well	135	Unspecified	Harvest	Clearcut with Retention	6120 - Lowland Cedar	Even-Aged	No
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Prescription Stand was prescribed last entry but factor limited due to survey, the stand has more cedar than previous OI indicated, stand is within the deer yard layer and has enough cedar to provide habitat, however deer are not using the area currently. The tamarack areas could be harvested while leaving the pure cedar areas.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Old next step comments: none, examine regen at next oi cycle, acceptable regen is a mix of the current species.

Comment:

Site Condition

Proposed Start Date: 10/1 /2014





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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>51</b>	<b>41040051-Cut</b>	5.2	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	95	Unspecified	Harvest	Clearcut with Retention	6125 - Lowland Black Spruce, Jack Pine	Even-Aged	No
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Prescription Harvest stand put retention near pond also leave seed trees throughout.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Old next step comments: Acceptable regen is a mix of the current species, examine regen at the next oi cycle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2014

<b>54</b>	<b>41040054-Prep</b>	15.6	330 - Low-Density Trees	Nonstocked	0	Unspecified	SitePrep	Scarification	42220 - Natural Jack Pine	Even-Aged	No
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Prescription scarify

Specs:

Next Step ; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

<b>55</b>	<b>41040055-Cut</b>	8.1	6122 - Black Spruce	Poletimber Medium	109	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription No chipping to ensure tops are used for flotation. This is very small diameter wood but its done growing. Leave retention along edges.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Old next step comments: None, acceptable regen is spruce and jack pine. Examine regen at the next oi cycle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2014

<b>58</b>	<b>41040058-Prep</b>	17.5	330 - Low-Density Trees	Nonstocked	0	Unspecified	SitePrep	Scarification	42220 - Natural Jack Pine	Even-Aged	No
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Prescription scarification

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable mixed conifer and deciduous

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>62 41040062-Cut</b>	10.8	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	93	Unspecified	Harvest	Clearcut with Retention	6125 - Lowland Black Spruce, Jack Pine	Even-Aged	No
<p><u>Prescription</u> Stand is mostly low, leave retention on the edges.</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> mixed conifer and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Acceptable regen will be a mix of the current species. Check regen at the next oi cycle.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										
<b>68 41040068-Cut</b>	4.4	6121 - Tamarack	Poletimber Well	120	Unspecified	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
<p><u>Prescription</u> This stand was prescribed last decade but factor limited for survey. The stand is mature, but is within the deeryard layer, however the cedar is sporadic and not pure as well as the fact that there are no deer using the area right now. Stand should be harvested with a clearcut, leave reserve patches, cut only tamarack areas and leave any pure cedar to north this will be the retention.</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> mixed conifer and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Acceptable regen is a mix of the current species. Examine regen at the next oi cycle.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										
<b>71 41040071-Cut</b>	13.4	42290 - Natural Mixed Pine	Poletimber Well	92	1-50	Harvest	Clearcut with Retention	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Stand must be cut due to maturity, will need to leave retention on north to mitigate green-up. Leave some red and white pine for seed.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine, red pine, and white pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Scarification/jack pine regeneration, acetable regen is jack pine with some red and white pine. Examine regen at next oi cycle.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										
<b>73 41040073-Cut</b>	16.4	6122 - Black Spruce	Poletimber Medium	103	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Mature lowland forest clearcut stand, leave retention in patches and near camp to north leave all cedar.</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> mixed conifer and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Acceptable regen is a mix of the current species, examine regen at next oi cycle.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</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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Total Treatment Acreage Proposed: 190.1



## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Tori Irving : Examiner

Compartment: 40  
Year of Entry: 2023

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions											
		With Condition			2B	4A	5B	5C	2A	2H	3H	3J	5A	5E		
61	61	0		0	Aspen											
10	10	0		0	Bare/Sparsely Vegetated											
121	8	0		114	Cedar						107					6
300	286	0		14	Jack Pine		0				14					
53	53	0		0	Low-Density Trees											
181	76	4		100	Lowland Conifers		4						53	46		1
40	0	40		0	Lowland Mixed Forest	40										
7	7	0		0	Lowland Shrub											
88	29	52		6	Lowland Spruce/Fir		34		18	4						2
843	843	0		0	Marsh											
111	75	0		37	Natural Mixed Pines		0				36					1
10	0	10		0	Oak			10								
131	131	0		0	Planted Mixed Pines		0		0							
7	7	0		0	Red Pine											
24	4	15		5	Tamarack		15									5
199	199	0		0	Treed Bog		0									
9	0	0		9	Upland Conifers									9		
9	9	0		0	Upland Mixed Forest											
46	19	27		0	White Pine			27								
2,250	1,817	148		285	Total Forested Acres	40	53	37	18	4	50	107	53	55		15
	81%	7%		13%	Relative Percent											

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

Site No.	Dominant Site Cond	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 40

Year of Entry: 2023

2	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	40	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	46	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand was harvested and contains substantial regeneration. Maneuverability cannot occur without significantly damaging the current understory.							
7	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 40

Year of Entry: 2023

8	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 40

Year of Entry: 2023

14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Available	4A: No Markets Available for these Forest Products	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Available	4A: No Markets Available for these Forest Products	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> for stand 73							
18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> for stand 71, also satisfies green up requirements							
19	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 40

Year of Entry: 2023

21	Available	Minor Change in Acreage	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand contains thick advanced regeneration. Maneuverability within the stand would be limited.							
23	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	107	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	34	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



**Report 4 – Site Conditions**

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 40

Year of Entry: 2023

27	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Shingleton Mgt. Unit**

**Tori Irving : Examiner**

**Compartment: 40**

**Year of Entry: 2023**

32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	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 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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>1</b>	6120 - Lowland Cedar	Poletimber Well	6.1	101	Unspecified	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		15	Pole	8		Balsam Fir	
Balsam Fir		2	Pole	8		Medium	
Paper Birch		7	Pole/Log	9		Variable	
Tamarack		14	Pole	8		Sapling	
Northern White Cedar		62	Pole/Log	9	101	Medium	
						< 5 feet	
						Tall Shrub	

<b>2</b>	6124 - Lowland Spruce-Fir	Sapling Medium	12.0	51	Unspecified	N/A	Cutting records indicate stand was cut in the winter of 1971. The cut was not a complete clearcut resulting in 2 or 3 age classes. A mix of species came back after the cut as well as a lot of tag alder.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		3	Pole/Sapling	4		Balsam Fir	
Tamarack		20	Pole/Sapling	6		Low	
Balsam Fir		25	Sapling	3		< 5 feet	
Paper Birch		2	Sapling	4		Sapling	
Northern White Cedar		10	Pole	9		Black Spruce	
Red Maple		5	Pole	5		Low	
Black Spruce		35	Pole/Sapling	5	51	< 5 feet	
						Sapling	
						High	
						< 5 feet	
						Tall Shrub	

<b>3</b>	42290 - Natural Mixed Pine	Sawtimber Well	4.0	90	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		20	Log/XLog/Pole	14		Black Spruce	
Red Pine		30	Log/XLog/Pole	15		Low	
Red Maple		5	Pole/Log	10		Variable	
Jack Pine		42	Pole/Log	10	90	Sapling	
Quaking Aspen		3	Pole	7		5 - 10 feet	
						Sapling	
						Low	
						5 - 10 feet	
						Sapling	
						Medium	
						< 5 feet	
						Tall Shrub	

<b>4</b>	6120 - Lowland Cedar	Poletimber Well	101.4	101	Unspecified	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		3	Pole	7		Tag Alder	
Paper Birch		5	Pole/Log	9		Low	
Tamarack		10	Pole	9		< 5 feet	
Northern White Cedar		72	Pole/Log	9	101	Tall Shrub	
Black Spruce		10	Pole	8		Balsam Fir	
						Medium	
						Variable	
						Sapling	
						Black Spruce	
						Low	
						Variable	
						Sapling	

<b>5</b>	42290 - Natural Mixed Pine	Sawtimber Well	4.5	103	111-140	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Jack Pine		10	Pole/Log	10		White Pine	
Red Pine		46	Log/XLog/Pole	15	103	Medium	
White Pine		44	Log/XLog/Pole	15		Low	
						< 5 feet	
						Sapling	
						Low	
						< 5 feet	
						Sapling	
						Black Spruce	
						Low	
						Variable	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>6</b>	42290 - Natural Mixed Pine	Sawtimber Well	13.4	103	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen	2	Pole	8			Tag Alder	Medium	< 5 feet	Tall Shrub	
Red Maple	4	Pole/Log	10			Red Maple	Medium	5 - 10 feet	Sapling	
Red Pine	40	Log/XLog/Pole	15	103		Black Spruce	Low	Variable	Sapling	
White Pine	31	Log/XLog/Pole	15			White Pine	Medium	5 - 10 feet	Sapling	
Paper Birch	2	Pole/Log	10							
Jack Pine	21	Pole/Log	9							

<b>7</b>	42220 - Natural Jack Pine	Poletimber Well	3.0	90	Unspecified	N/A	Stand is currently under contract.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack	3	Pole/Sapling	5			White Pine	Medium	5 - 10 feet	Sapling	
Red Pine	8	Log/XLog/Pole	15			Red Maple	Low	5 - 10 feet	Sapling	
White Pine	8	Log/XLog/Pole	15			Black Spruce	Medium	Variable	Sapling	
Red Maple	2	Pole	9			Tag Alder	Low	< 5 feet	Tall Shrub	
Jack Pine	79	Pole/Log	10	90						

<b>8</b>	42290 - Natural Mixed Pine	Sawtimber Well	5.0	103	111-140	N/A	Plains Lake Sale			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack	2	Pole	7			Black Spruce	Medium	Variable	Sapling	
Red Maple	2	Pole	8			Red Pine	Medium	10 - 20 feet	Sapling	
Red Pine	50	Log/XLog/Pole	14	103		Red Maple	Low	5 - 10 feet	Sapling	
Paper Birch	3	Pole	8			White Pine	Medium	Variable	Sapling	
Jack Pine	33	Pole/Log	10							
White Pine	10	Log/XLog/Pole	15							

<b>9</b>	42290 - Natural Mixed Pine	Sawtimber Well	4.6	93	111-140	N/A	Stand is currently under contract.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine	38	Log/XLog/Pole	15			Tamarack	Low	5 - 10 feet	Sapling	
White Pine	20	Log/Pole/XLog	16			Black Spruce	Medium	Variable	Sapling	
Tamarack	2	Pole	7			Tag Alder	Medium	< 5 feet	Tall Shrub	
Red Maple	2	Pole	8			White Pine	Low	< 5 feet	Sapling	
Jack Pine	38	Pole/Log	9	93						





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**10**      42220 - Natural Jack Pine      Poletimber Well      4.9      93      Unspecified      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
Jack Pine	61	Pole/Log	10	93	Black Spruce	Low	Variable	Sapling
Red Maple	3	Pole	8		White Pine	Medium	< 5 feet	Sapling
Red Pine	14	Log/XLog/Pole	14		Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	3	Pole	7					
White Pine	17	Log/XLog/Pole	13					

**11**      42290 - Natural Mixed Pine      Sawtimber Well      3.5      105      111-140      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	42	Log/XLog/Pole	13	105	Black Spruce	Medium	Variable	Sapling
White Pine	15	Log/XLog/Pole	14		White Pine	Medium	5 - 10 feet	Sapling
Paper Birch	5	Pole	9		Tag Alder	Low	< 5 feet	Tall Shrub
Jack Pine	36	Pole/Log	10					
Black Spruce	2	Pole	5					

**12**      42220 - Natural Jack Pine      Poletimber Well      3.4      90      Unspecified      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	8	Log/XLog/Pole	14		Tag Alder	Low	< 5 feet	Tall Shrub
Red Maple	2	Pole	8		Jack Pine	Low	< 5 feet	Sapling
Jack Pine	80	Pole/Log	10	90	Black Spruce	Medium	Variable	Sapling
Tamarack	2	Pole	8		White Pine	Low	< 5 feet	Sapling
White Pine	8	Log/XLog/Pole	16					

**13**      4122 - Oak, Pine      Poletimber Well      9.9      81      81-110      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Pole/Sapling	5		White Pine	Low	5 - 10 feet	Sapling
White Pine	35	Pole/Sapling	5	41	Red Oak	Low	5 - 10 feet	Sapling
Red Oak	60	Pole/Log	9	81	Aspen (spp.)	Medium	Variable	Sapling
					Balsam Fir	Medium	Variable	Sapling

**14**      42220 - Natural Jack Pine      Poletimber Poor      13.1      39      Unspecified      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	85	Pole/Sapling	4	39	Pin Cherry	Low	< 5 feet	Tall Shrub
Paper Birch	10	Sapling	3					
White Pine	5	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**15** 6125 - Lowland Black Spruce, Jack Pine Poletimber Well 3.4 90 Unspecified N/A Stand is currently under contract.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	8	Log/Pole	14		Black Spruce	Medium	Variable	Sapling
Black Spruce	45	Pole	8		Tag Alder	Low	< 5 feet	Tall Shrub
Jack Pine	47	Pole/Log	9	90				

**16** 42200 - Natural White Pine Sawtimber Well 18.6 88 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	25	Log	11		Red Maple	Low	< 5 feet	Sapling
Red Oak	5	Log	11		White Pine	Low	< 5 feet	Sapling
White Pine	70	Log	12	88	Quaking Aspen	Low	< 5 feet	Sapling

**17** 623 - Emergent Wetland Nonstocked 794.5 Unspecified No

**18** 42220 - Natural Jack Pine Sawtimber Well 5.5 90 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	16	Log/XLog/Pole	14		Black Spruce	Medium	Variable	Sapling
White Pine	12	Log/XLog/Pole	14		White Pine	Low	< 5 feet	Sapling
Black Spruce	4	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Jack Pine	68	Log/Pole	10	90				

**19** 42220 - Natural Jack Pine Poletimber Well 2.9 90 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	14	Log/Pole/XLog	12		Jack Pine	Low	< 5 feet	Sapling
White Pine	12	Log/Pole/XLog	12		White Pine	Low	< 5 feet	Sapling
Black Spruce	4	Pole	8		Black Spruce	Medium	Variable	Sapling
Jack Pine	70	Pole/Log	9	90				

**20** 6125 - Lowland Black Spruce, Jack Pine Poletimber Well 20.9 120 Unspecified N/A Stand is currently under contract.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	30	Pole	7	120	White Pine	Low	< 5 feet	Sapling
Black Spruce	30	Pole	8		Tamarack	Medium	< 5 feet	Sapling
Jack Pine	20	Pole/Log	9		Tag Alder	High	< 5 feet	Tall Shrub
White Pine	12	Log/Pole	12		Black Spruce	Medium	Variable	Sapling
Red Pine	8	Log/Pole	14					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>21</b>	42200 - Natural White Pine	Sawtimber Well	27.0	105	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		10	Log/XLog	14		White Pine	Medium	5 - 10 feet	Sapling
White Pine		90	Log/Pole/XLog	14	105	Tag Alder	Low	< 5 feet	Tall Shrub
						Balsam Fir	Medium	Variable	Sapling
						Black Spruce	High	Variable	Sapling

<b>22</b>	623 - Emergent Wetland	Nonstocked	6.1		Unspecified	No	
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<b>23</b>	42290 - Natural Mixed Pine	Sawtimber Well	4.2	93	81-110	N/A	Stand is currently under contract.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		33	Log/Pole/XLog	14	93	Black Spruce	Medium	Variable	Sapling
White Pine		30	XLog/Log	17		White Pine	Low	< 5 feet	Sapling
Red Maple		2	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
Jack Pine		33	Pole/Log	10		Tag Alder	Medium	< 5 feet	Tall Shrub
Black Spruce		2	Pole	7					

<b>24</b>	42140 - Planted Mixed Pine	Sapling Medium	63.3	20	1-50	N/A			
<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		23	Sapling/Pole	4		Pin Cherry	Low	< 5 feet	Tall Shrub
Red Pine		8	Log/XLog	16		Tag Alder	Low	< 5 feet	Tall Shrub
Balsam Fir		3	Sapling	2					
Red Pine		2	Sapling	2					
White Pine		4	Sapling	2					
Jack Pine		52	Sapling/Pole	4	20				
White Pine		8	Log/XLog	16					

<b>25</b>	623 - Emergent Wetland	Nonstocked	10.6		Unspecified	No	
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<b>26</b>	4133 - Aspen, Mixed Pine	Sapling Well	9.1	17	Unspecified	N/A			
<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>
White Pine		20	Sapling	2		Pin Cherry	Low	< 5 feet	Tall Shrub
Red Maple		5	Sapling	2					
Quaking Aspen		10	Sapling	2					
Bigtooth Aspen		65	Sapling	2	17				

<b>27</b>	623 - Emergent Wetland	Nonstocked	4.7		Unspecified	No	
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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>28</b>	42290 - Natural Mixed Pine	Sawtimber Well	9.1	93	111-140	N/A	Stand is currently under contract.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	2	Pole	6		Paper Birch	Low	5 - 10 feet	Sapling
White Pine	10	Log/XLog/Pole	14		Red Maple	Low	5 - 10 feet	Sapling
Red Pine	26	Log/Pole/XLog	14		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	4	Pole	8		White Pine	Low	5 - 10 feet	Sapling
Jack Pine	58	Pole/Log	10	93	Black Spruce	Medium	Variable	Sapling

<b>29</b>	42210 - Natural Red Pine	Sawtimber Well	6.9	73	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log	12		Quaking Aspen	Low	< 5 feet	Sapling
Red Oak	5	Log	10		White Pine	Low	< 5 feet	Sapling
Red Pine	85	Log	11	73	Red Maple	Low	< 5 feet	Sapling

<b>30</b>	42220 - Natural Jack Pine	Poletimber Well	4.0	90	Unspecified	N/A	Stand is currently under contract.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	20	Log/XLog/Pole	12		Black Spruce	Medium	Variable	Sapling
White Pine	4	Log/Pole/XLog	12		White Pine	Low	< 5 feet	Sapling
Jack Pine	74	Pole/Log	9	90	Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	2	Pole	8					

<b>31</b>	623 - Emergent Wetland	Nonstocked	14.7		Unspecified	No	
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<b>32</b>	4133 - Aspen, Mixed Pine	Sapling Well	8.2	27	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Sapling/Pole	4		Pin Cherry	Low	< 5 feet	Tall Shrub
Red Pine	5	Sapling/Pole	3					
Red Oak	10	Log/Pole	10					
Bigtooth Aspen	70	Sapling/Pole	3	27				

<b>33</b>	4136 - Aspen, Mixed Conifer	Sapling Well	21.7	27	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Sapling	2		Pin Cherry	Low	< 5 feet	Tall Shrub
White Pine	15	Sapling/Pole	5					
Red Oak	10	Sapling	1					
Balsam Fir	3	Sapling	3					
Red Maple	5	Sapling	2					
Bigtooth Aspen	20	Sapling	2	27				
Red Oak	25	Log	12	85				
Black Spruce	2	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**34** 42290 - Natural Mixed Pine Sawtimber Well 9.6 93 51-80 N/A Stand is currently on contract.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	8	Log/XLog	14		Red Maple	Medium	5 - 10 feet	Sapling
Black Spruce	20	Pole	8		White Pine	Low	< 5 feet	Sapling
Jack Pine	40	Pole/Log	10	93	Black Spruce	Medium	Variable	Sapling
Tamarack	5	Pole	9		Tag Alder	Medium	< 5 feet	Tall Shrub
Red Maple	2	Pole	9					
Red Pine	25	Log/XLog/Pole	14					

**35** 4130 - Aspen Poletimber Well 2.2 49 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole/Sapling	5		Red Maple	Low	< 5 feet	Sapling
Bigtooth Aspen	73	Pole	7	49	White Pine	Low	< 5 feet	Sapling
Red Maple	2	Sapling/Pole	4					
White Pine	15	Pole/Sapling	5					

**36** 330 - Low-Density Trees Nonstocked 1.9 0 Unspecified No

**37** 42260 - Natural Pine, Mixed Deciduous Poletimber Well 22.4 39 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	47	Pole/Sapling	6	39
Red Oak	5	Sapling	3	
Red Pine	3	Pole/Sapling	6	
Red Oak	20	Log	12	95
Jack Pine	10	Pole/Sapling	5	
Quaking Aspen	15	Sapling/Pole	4	

**38** 330 - Low-Density Trees Nonstocked 15.3 0 Unspecified 4222 - Natural Jack Pine

**39** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 19.0 90 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Log/XLog	15		Black Spruce	Medium	Variable	Sapling
Black Spruce	15	Pole	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	15	Pole	8		Balsam Fir	Medium	Variable	Sapling
Black Cherry	5	Pole	9					
Red Maple	20	Pole/Log/Sap	9					
Jack Pine	30	Pole/Log	10	90				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**40** 42390 - Mixed Non-Pine Upland Conifers Sawtimber Well 9.1 105 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Log/Pole	10		Black Spruce	Low	Variable	Sapling
White Pine	20	Log/Pole/XLog	15		Balsam Fir	Medium	Variable	Sapling
Paper Birch	5	Pole	8					
Northern White Cedar	25	Log/Pole	10	105				
Balsam Fir	15	Pole	8					
Hemlock	15	Pole/Log	9					
Black Spruce	15	Pole	8					

**41** 4311 - Pine, Aspen Mix Poletimber Medium 6.2 17 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	25	Sapling	2		Pin Cherry	Low	< 5 feet	Tall Shrub
White Pine	20	Sapling	4					
Red Pine	35	Sapling/Pole/Log	4	17				
White Pine	20	Log	12					

**42** 42220 - Natural Jack Pine Sapling Well 41.8 25 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Sapling	3		Pin Cherry	Low	< 5 feet	Tall Shrub
Jack Pine	88	Sapling	3	25				
Balsam Fir	2	Sapling	3					

**43** 790 - Other Bare/Sparsely Vegetated Nonstocked 10.1 Unspecified 612 - Lowland Coniferous Forest Stand was harvested in part with Smoking Gun Sale, Unit 2. Natural regen of black spruce is expected.

**44** 4130 - Aspen Sapling Well 5.5 17 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	28	Sapling	2	
White Pine	5	Sapling	2	
Red Oak	3	Sapling	2	
Balsam Fir	3	Sapling	2	
Paper Birch	2	Sapling	2	
Black Spruce	2	Sapling	2	
Red Maple	12	Sapling	2	
Bigtooth Aspen	45	Sapling	2	17



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**45** 4311 - Pine, Aspen Mix Sapling Well 2.9 17 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	20	Log	12	
White Pine	10	Log	12	
Bigtooth Aspen	40	Sapling	1	17
White Pine	30	Sapling	2	

**46** 4133 - Aspen, Mixed Pine Poletimber Well 14.5 49 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	44	Pole/Sapling	5	49
Red Pine	2	Pole/Sapling	5	
Red Maple	10	Pole/Sapling	5	
Black Spruce	2	Sapling/Pole	3	
Balsam Fir	2	Sapling/Pole	4	
Red Oak	10	Log/XLog	12	
White Pine	30	Pole/Sap/Log	6	

**47** 623 - Emergent Wetland Nonstocked 1.8 Unspecified No

**48** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 46.2 107 Unspecified N/A

Stand contains a series of old strip cuts which have varying degrees of regeneration. Aspen, fir and spruce is mainly what regenerated as well as white birch.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20	Sapling/Pole	5	
Red Maple	2	Pole/Sapling	5	
Black Spruce	3	Pole/Sapling	5	
Paper Birch	14	Sapling/Pole	5	
Northern White Cedar	40	Log/Pole	10	107
Quaking Aspen	19	Pole	6	50
Tamarack	2	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	< 5 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling

**49** 42220 - Natural Jack Pine Sapling Medium 35.9 28 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	6	Sapling	3	
White Pine	2	Sapling	3	
Black Spruce	30	Sapling	3	
Jack Pine	60	Sapling	3	28
Red Pine	2	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	< 5 feet	Tall Shrub
Pin Cherry	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**50** 6120 - Lowland Cedar Poletimber Well 13.8 135 Unspecified N/A Stand is currently on contract.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	19	Pole	7		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	4	Pole	9		Black Spruce	Medium	Variable	Sapling
Northern White Cedar	55	Pole/Log	9	135	Balsam Fir	Low	Variable	Sapling
Red Maple	2	Pole/Log	9		Tamarack	Medium	Variable	Sapling
Tamarack	20	Pole/Log	9					

**51** 6125 - Lowland Black Spruce, Jack Pine Poletimber Well 6.7 95 Unspecified N/A Stand currently on contract

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	4	Pole	8		White Pine	Medium	Variable	Sapling
Paper Birch	2	Pole	8		Black Spruce	Medium	Variable	Sapling
Red Pine	6	Log/XLog	14		Tag Alder	High	< 5 feet	Tall Shrub
Black Spruce	34	Pole	8	95	Jack Pine	Low	< 5 feet	Sapling
Jack Pine	24	Pole/Log	10					
Red Maple	10	Pole/Log	10					
White Pine	20	Log/XLog/Pole	14					

**52** 42140 - Planted Mixed Pine Sapling Poor 67.5 6 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Sapling/Pole	1	
White Pine	20	XLog/Log/Pole	18	
Jack Pine	50	Sapling	1	6
Red Maple	10	Sapling/Pole	1	
Red Pine	10	XLog/Log	18	

Stand just harvested, stand was scarified in 10-2011 FTP#41-1124. Regen count failed in 2015. Stand will be trenched and planted to jack pine under same FTP. Stand was trenched in 2016 TMS planted 27,250 jack pine in spring 2017 fall 2017 count showed 585 jack pine. lower stocking was a reflection of trench spacing and lack of planting areas. Regeneration checked fall 2019. Stand is fully regenerated.

**53** 622 - Lowland Shrub Nonstocked 6.8 Unspecified No

**54** 330 - Low-Density Trees Nonstocked 15.5 0 Unspecified 4222 - Natural Jack Pine

**55** 6122 - Black Spruce Poletimber Medium 8.2 109 Unspecified N/A Stand is currently on contract.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	8	Pole/Sapling	6		Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	90	Pole/Sapling	6	109	Black Spruce	High	Variable	Sapling
White Pine	2	Pole	7					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	6122 - Black Spruce	Poletimber Medium	18.0	109	Unspecified	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		86	Pole/Sapling	6	109	Tag Alder	
Tamarack		12	Pole/Sapling	6		Black Spruce	
White Pine		2	Pole	7		Density	
						Avg. Height	
						Size	
						Tall Shrub	
						Sapling	
57	6121 - Tamarack	Sapling Poor	14.7	71	Unspecified	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		40	Sapling/Pole	5		Tag Alder	
Tamarack		60	Sapling/Pole	5	71	Density	
						Avg. Height	
						Size	
						Tall Shrub	
58	330 - Low-Density Trees	Nonstocked	19.8	0	Unspecified	4222 - Natural Jack Pine	
59	42220 - Natural Jack Pine	Sapling Well	29.4	37	Unspecified	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		4	Sapling/Pole	4		Tag Alder	
Jack Pine		90	Sapling/Pole	4	37	Pin Cherry	
White Pine		2	Sapling	3		Density	
Black Spruce		4	Sapling	3		Avg. Height	
						Size	
						Tall Shrub	
						Tall Shrub	
60	623 - Emergent Wetland	Nonstocked	0.7		Unspecified	No	
61	6139 - Mixed Lowland Forest	Poletimber Well	40.0	105	Unspecified	N/A	Stand is a land locked 40. This is a lowland conifer stand with cedar, stand is in the deeryard so harvesting would not be preferred anyway.
62	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	10.8	93	Unspecified	N/A	Stand is currently on contract.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		4	Log/XLog/Pole	14		Black Spruce	
Red Maple		8	Pole/Log	10		Red Maple	
Red Pine		8	Log/XLog	15		Tag Alder	
Tamarack		8	Pole	9		Tamarack	
Black Spruce		35	Pole	8		Density	
Jack Pine		37	Pole/Log	10	93	Avg. Height	
						Size	
						Sapling	
						Sapling	
						Tall Shrub	
						Sapling	
63	42220 - Natural Jack Pine	Sapling Poor	52.6	11	1-50	N/A	Stand is a managed site scarified for jack pine regen in 2010. Regen count completed in 2015. 793 jack pine per acre.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Jack Pine		100	Sapling	1	11		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**64** 6122 - Black Spruce Poletimber Medium 2.6 76 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	25	Pole	9		Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	60	Pole	7	76	Black Spruce	Medium	Variable	Sapling
Tamarack	10	Pole	8					
White Pine	5	Log/Pole	11					

**65** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Medium 34.4 79 Unspecified N/A Stand is a riparian area for Smith Creek and is mostly low ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	4	Pole/Log	9		Black Spruce	Medium	Variable	Sapling
Black Cherry	6	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Black Spruce	20	Pole	6		Tag Alder	Full	< 5 feet	Tall Shrub
Jack Pine	23	Pole/Log	10	79				
Red Maple	16	Log/Pole	10					
Tamarack	6	Pole	7					
Balsam Fir	10	Pole	7					
White Pine	15	Log/XLog	15					

**66** 6224 - Treed Bog Nonstocked 43.1 Unspecified No

**67** 6122 - Black Spruce Poletimber Poor 11.1 93 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	5	Sapling/Pole	4		Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	95	Pole/Sapling	5	93	Tamarack	Medium	< 5 feet	Sapling

**68** 6121 - Tamarack Poletimber Well 9.4 120 Unspecified N/A Stand is currently on contract.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole/Log	10		Black Spruce	Medium	Variable	Sapling
Tamarack	52	Pole	8	120	Tamarack	Low	5 - 10 feet	Sapling
Red Maple	2	Pole	9		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	30	Pole/Log	9		Tag Alder	High	< 5 feet	Tall Shrub
Balsam Fir	2	Pole	6		Red Maple	Low	5 - 10 feet	Sapling
Black Spruce	12	Pole	7		Black Ash	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
69	6125 - Lowland Black Spruce, Jack Pine	Sapling Medium	23.2	37	Unspecified	N/A			
<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>
Tamarack		10	Sapling	3		Tag Alder	Medium	< 5 feet	Tall Shrub
Black Spruce		40	Pole/Sapling	4	37				
Red Maple		2	Sapling	3					
White Pine		5	Sapling	3					
Balsam Fir		3	Sapling	3					
Jack Pine		40	Sapling	3					
70	42220 - Natural Jack Pine	Sapling Well	43.9	28	Unspecified	N/A			
<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>
White Pine		3	Sapling	4		Tag Alder	Low	< 5 feet	Tall Shrub
Red Pine		2	Sapling	4		Pin Cherry	Low	< 5 feet	Tall Shrub
Black Spruce		10	Sapling/Pole	5					
Jack Pine		80	Sapling	4	28				
Tamarack		5	Sapling	4					
71	42290 - Natural Mixed Pine	Poletimber Well	17.0	92	1-50	N/A			
<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>
Jack Pine		45	Pole/Log	9	92	Black Spruce	Medium	Variable	Sapling
Red Pine		20	Log/XLog	15		White Pine	Low	< 5 feet	Sapling
White Pine		10	Log/XLog	15					
Black Spruce		25	Pole	9					
72	6122 - Black Spruce	Poletimber Well	4.3	76	Unspecified	N/A			
<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>
White Pine		5	Log/Pole	10		Black Spruce	High	Variable	Sapling
Black Spruce		70	Pole	8	76	Tag Alder	Low	< 5 feet	Tall Shrub
Jack Pine		25	Pole/Log	9					
73	6122 - Black Spruce	Poletimber Medium	20.2	103	Unspecified	N/A	Stand currently under contract.		
<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>
Paper Birch		2	Pole	8		Balsam Fir	Low	Variable	Sapling
Black Spruce		50	Pole	8	103	Tamarack	Low	< 5 feet	Sapling
Red Maple		2	Pole	8		Black Spruce	Medium	Variable	Sapling
Tamarack		44	Pole	8		Tag Alder	High	< 5 feet	Tall Shrub
Northern White Cedar		2	Pole	8					
74	623 - Emergent Wetland	Nonstocked	6.4		Unspecified	No			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
75	6122 - Black Spruce	Poletimber Medium	20.0	97	Unspecified	N/A			
<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		75	Pole/Sapling	5	97	Tamarack	Low	< 5 feet	Sapling
Jack Pine		5	Sapling/Pole	5		Black Spruce	Medium	< 5 feet	Sapling
Tamarack		20	Pole/Sapling	5		Tag Alder	Medium	< 5 feet	Tall Shrub
76	42290 - Natural Mixed Pine	Poletimber Well	8.4	92	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		20	Log/XLog	15		White Pine	Low	< 5 feet	Sapling
Jack Pine		45	Pole/Log	9	92	Black Spruce	Medium	Variable	Sapling
Black Spruce		25	Pole	9					
White Pine		10	Log/XLog	15					
77	6224 - Treed Bog	Nonstocked	135.8		Unspecified	No			
78	42290 - Natural Mixed Pine	Sawtimber Well	3.1	93	81-110	N/A			
<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		30	Pole	7		Tag Alder	Low	< 5 feet	Tall Shrub
Jack Pine		30	Pole/Log	9		Tamarack	Low	< 5 feet	Sapling
Tamarack		2	Pole	5		White Pine	Low	5 - 10 feet	Sapling
White Pine		8	Log	14		Black Spruce	High	Variable	Sapling
Red Pine		30	Log/Pole	11	93				
79	42220 - Natural Jack Pine	Sapling Well	59.3	28	Unspecified	N/A			
<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>
Tamarack		3	Sapling	5		Tag Alder	Low	< 5 feet	Tall Shrub
Red Pine		2	Sapling	3		Pin Cherry	Low	< 5 feet	Tall Shrub
Black Spruce		5	Sapling/Pole	5					
Balsam Fir		5	Sapling/Pole	4					
Jack Pine		85	Sapling	4	28				
80	623 - Emergent Wetland	Nonstocked	4.1		Unspecified	No			
81	6122 - Black Spruce	Poletimber Medium	3.3	99	Unspecified	N/A			
<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>
Northern White Cedar		5	Pole	8		Balsam Fir	Medium	Variable	Sapling
Black Spruce		50	Pole	7	99	Tag Alder	Medium	< 5 feet	Tall Shrub
White Pine		10	Pole/Log	10		Black Spruce	Medium	Variable	Sapling
Tamarack		35	Pole	7		Red Maple	Low	5 - 10 feet	Pole





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**82** 42290 - Natural Mixed Pine Poletimber Well 2.5 93 51-80 N/A Stand is mature but very small and access is difficult.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	4	Log/Pole	14		Tamarack	Low	< 5 feet	Sapling
Red Pine	28	Log/Pole	14		White Pine	Low	5 - 10 feet	Sapling
Jack Pine	34	Pole/Log	9		Tag Alder	Medium	< 5 feet	Tall Shrub
Black Spruce	34	Pole	8	93	Black Spruce	High	Variable	Sapling

**83** 6224 - Treed Bog Nonstocked 20.4 Unspecified No

**84** 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 4.0 99 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log/Pole	11		Black Spruce	Medium	Variable	Sapling
Black Spruce	45	Pole	8	99	Tag Alder	High	< 5 feet	Tall Shrub
Northern White Cedar	5	Pole/Log	9		Red Maple	Low	5 - 10 feet	Sapling
Tamarack	40	Pole	9		Tamarack	Medium	< 5 feet	Sapling