



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41111

Entry Year 2024

Acreage: 2,487

County Schoolcraft

Management Area: Danaher Kingston Outwash

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**Stand Examiner:** Mario Molin

**Legal Description:**

T46N R13W sections 1, 2, 3, 4, and 9

**Identified Planning Goals:**

To provide multiple use benefits for the citizens of Michigan.

**Soil and topography:**

The majority of the compartment is level rubicon sand. There are some areas of lower ground comprised of saugatuck sand, and rifle and Spaulding peat that are wet part of the year.

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

The south side of the compartment borders several private ownerships. State land surrounds the rest of the compartment.

**Unique Natural Features:**

Potential for wood turtle along the East Branch of the Fox River. There is potential for Incurvate Emerald, Ebony boghaunter, Frigga fritillary and Freija fritillary in bogs.

**Archeological, Historical, and Cultural Features:**

**Special Management Designations or Considerations:**

The East Branch of the Fox River has a Natural River Designation.

**Watershed and Fisheries Considerations:**

This compartment contains the East Branch Fox River and headwater reaches of Cold Creek. The East Branch Fox River and headwater reaches of Cold Creek are within the designated Michigan Natural River area, are less than 50' width, and have predicted mean July temperature that range from 55.0 to 62.1 °F (cold streams). 300' buffers are recommended for the East Branch Fox River and headwater reaches of Cold Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 200' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices and the Fox River Natural Rivers Management Plan.

**Wildlife Habitat Considerations:**

This compartment is located in the Grand Marias Sandy End Moraine Outwash sub-subsection. The average growing season is approximately 120 days. The extreme winter temperature generally reaches approximately -35° F. Snowfall in this compartment averages 200 inches or more annually. The compartment falls within the Danaher Kingston Outwash Management Area which highlights the following Featured Species: Eastern bluebird, Kirtland's warbler, red crossbill, sharp-tailed grouse and spruce grouse. General Land Office (GLO) Surveyor notes show the major upland forest species included a mixture of white pine, hemlock, beech, red maple, and birch (yellow and white). White pine appeared to have been slightly more abundant than the others. Minor components in the uplands included red pine, spruce cedar, basswood, and sugar maple. Lowlands at that time contained primarily tamarack and spruce. Fire and windthrow were likely the major forms of natural disturbance within the compartment. The current upland vegetation is substantially altered from pre-settlement conditions. Red pine plantations, aspen, and grassy openings are now the dominant habitat types on the uplands. Lowland areas contain similar species composition but different structure than found by the early surveyors. Wildlife habitat objectives include allowing some of the forest to return to pre-settlement species composition while also maintaining some early successional forest conditions. Eventually, the narrow red pine plantation blocks should be consolidated. No rare species are known to occur within this compartment. Other wildlife species of interest that may utilize this compartment include American toad, gray jay, red squirrel, and white-tailed deer.

Maintain wildlife openings as grass-when adjacent A6 is harvested consider leaving oak, balsam fir, white pine and cherry. WLD may consider other MO down the road.

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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Ordovician Utica and Collingwood Shale's subcrop below the glacial drift. There is not an economic use for these shale's. Gravel pits are not found in the general area and potential appears to be limited. There is no commercial oil and gas production in the UP.

### **Vehicle Access:**

There are two-track roads throughout most of the compartment.

### **Survey Needs:**

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

The Danaher ORV trailhead and part of the trail are in this compartment. The Seney-Grand Marais snowmobile Trail 431 also goes through the west part of the compartment.

### **Fire Protection:**

Much of the compartment is upland pine plantation with good access.

### **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**

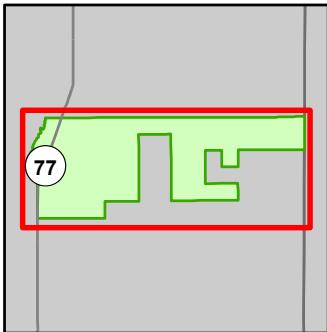
**Proposed treatments**

**Site condition boundaries**

**Details on the road access system**

## Cover Type & Treatments Map

Compartment: 111  
T46N, R13W, Sec. 1-5, 9  
County: Schoolcraft  
Unit: Shingleton  
Mgmt Area: Danaher Kingston  
Outwash  
YOE: 2024  
Acres: 2486.8 GIS Calculated  
Examiner: Mario Molin  
Map Revised: 8/17/2022  
Map Phase: Web Post



- Miris Corners

Remonumented Section Corners

Survey Grade Corners

Counties

DNR - Primary Forest Road

DNR - Secondary Forest Road

DNR - Forest Access Route

Federal / State Highway

County - Dirt Road (Seasonal)

Private - Dirt / Gravel Road

ORV Trails

Snowmobile Trails

Designated ATV

Designated ORV Route

Designated Snowmobile Trails

Boating Access Site

Parking Lot

Intermittent Stream

Lake/Pond

Perennial River

Unspecified

Lakes and Rivers

Powerline

Compartment Boundary

Clearcut (w/Reserves)

Thinning (Crown, Low, Systematic)

413 - Aspen

419 - Mixed Upland Deciduous

421 - Planted Pines

422 - Natural Pines

423 - Other Upland Conifers

430 - Upland Mixed Forest

611 - Lowland Deciduous Forest

612 - Lowland Coniferous Forest

613 - Lowland Mixed Forest

110 - Low Intensity Urban

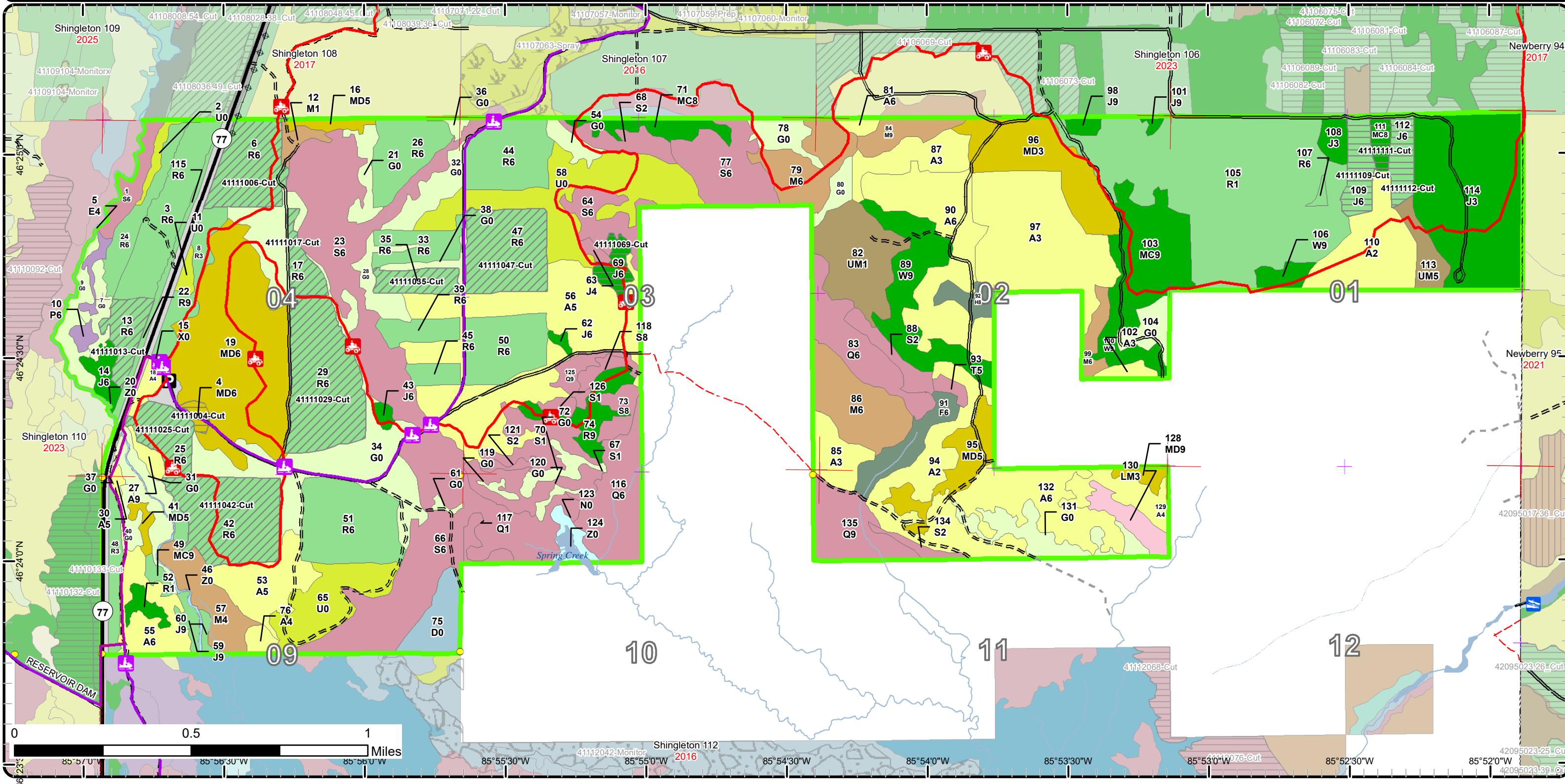
310 - Herbaceous Openland

330 - Low Density Trees

500 - Water

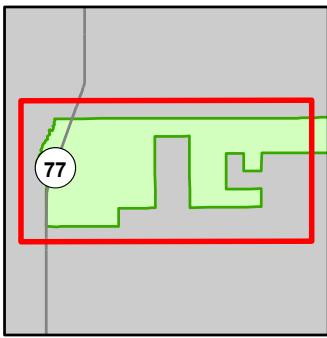
622 - Lowland Shrub

623 - Emergent Wetland

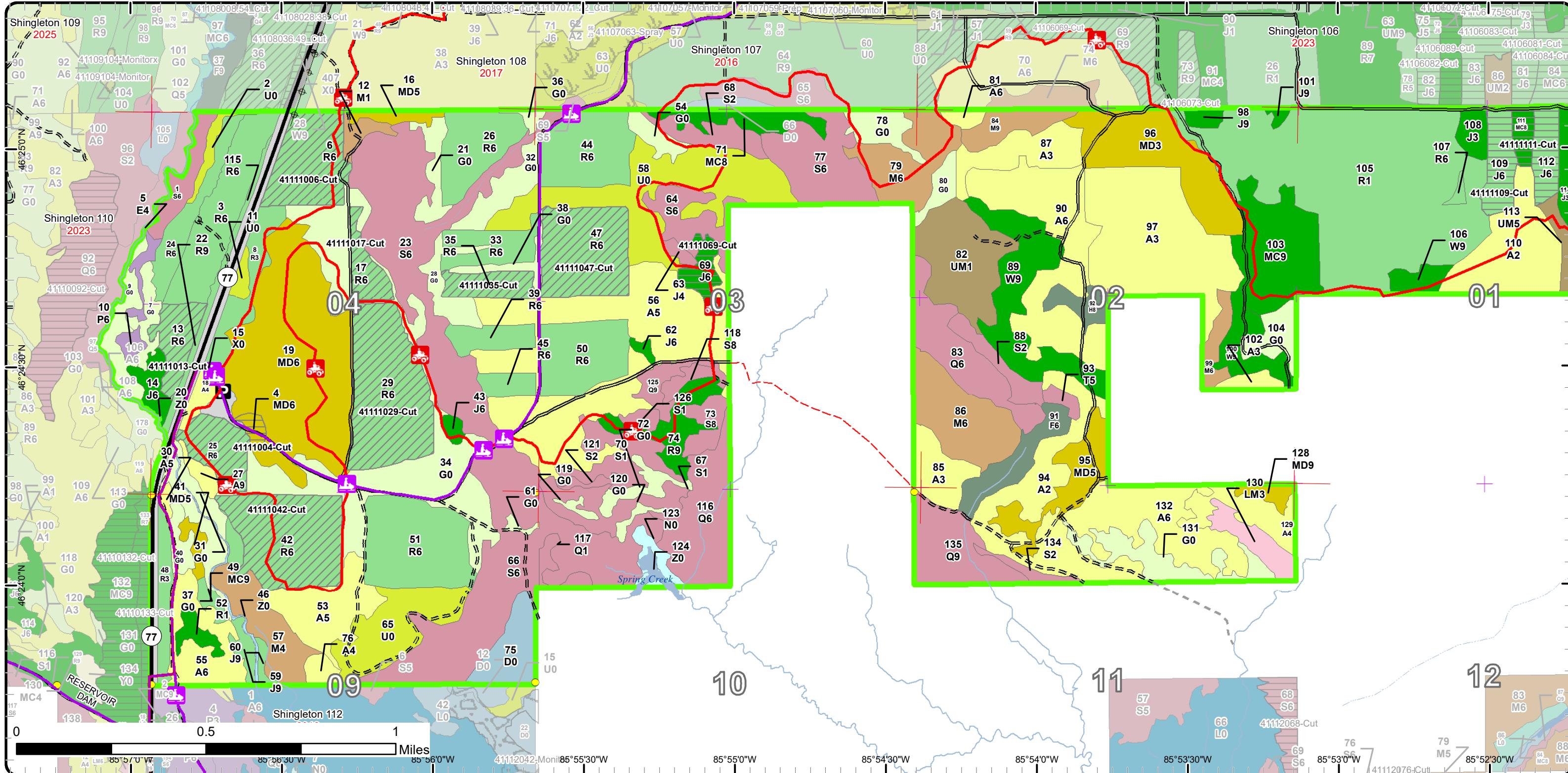


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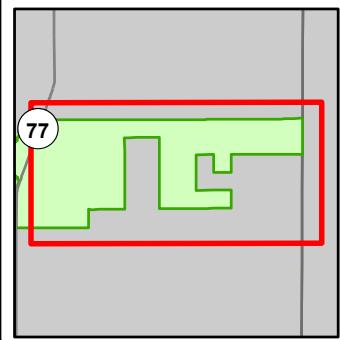
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- Miris Corners
- Designated ORV Route
- Remonumented Section Corners
- Designated Snowmobile Trails
- Parking Lot
- Counties
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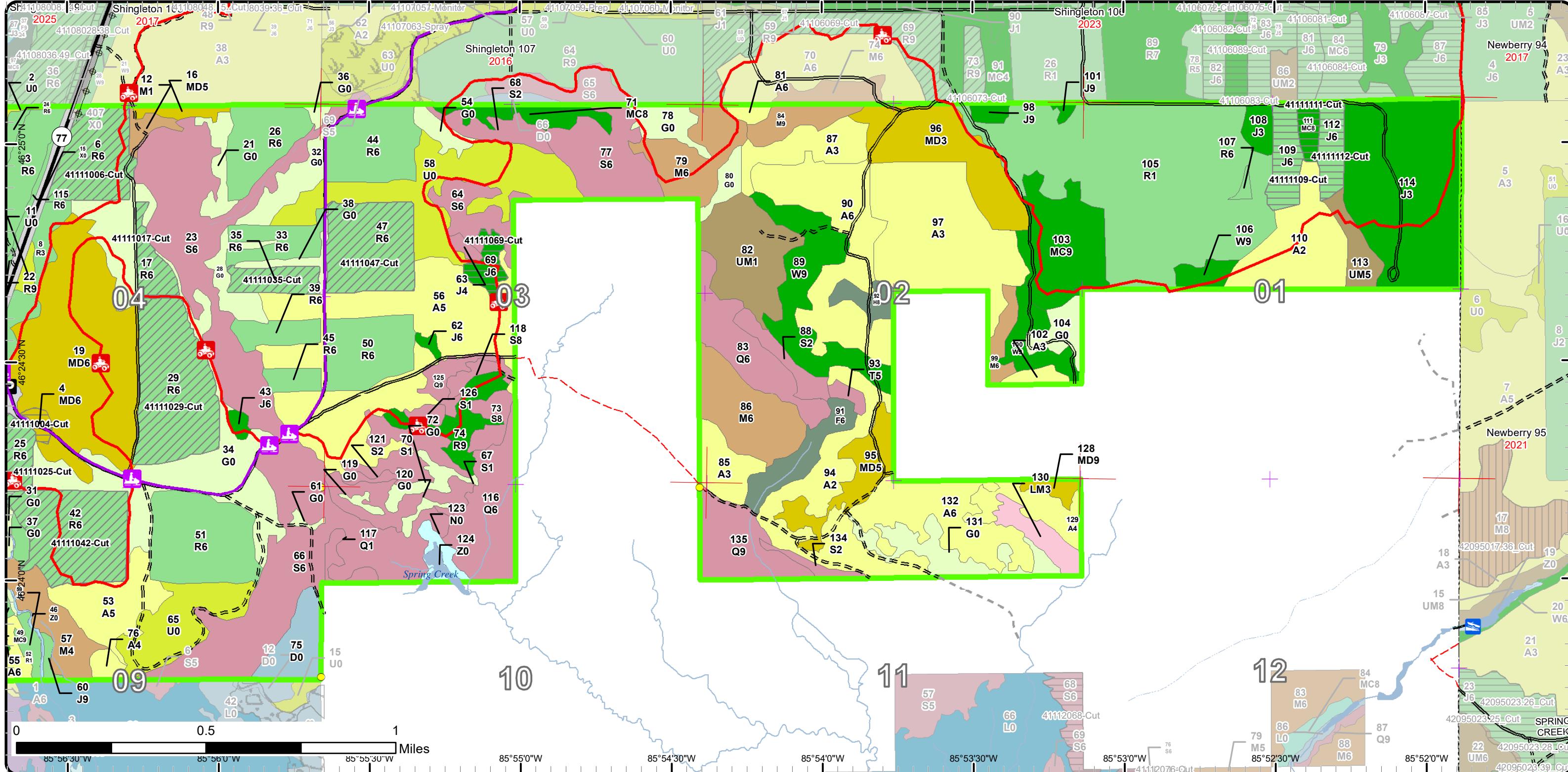
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Michigan Department of Natural Resources

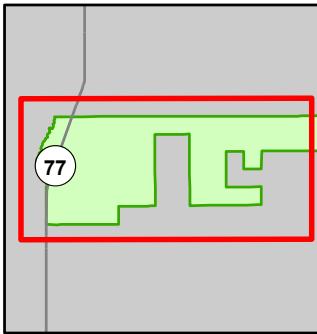
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- 419 - Mixed Upland Deciduous



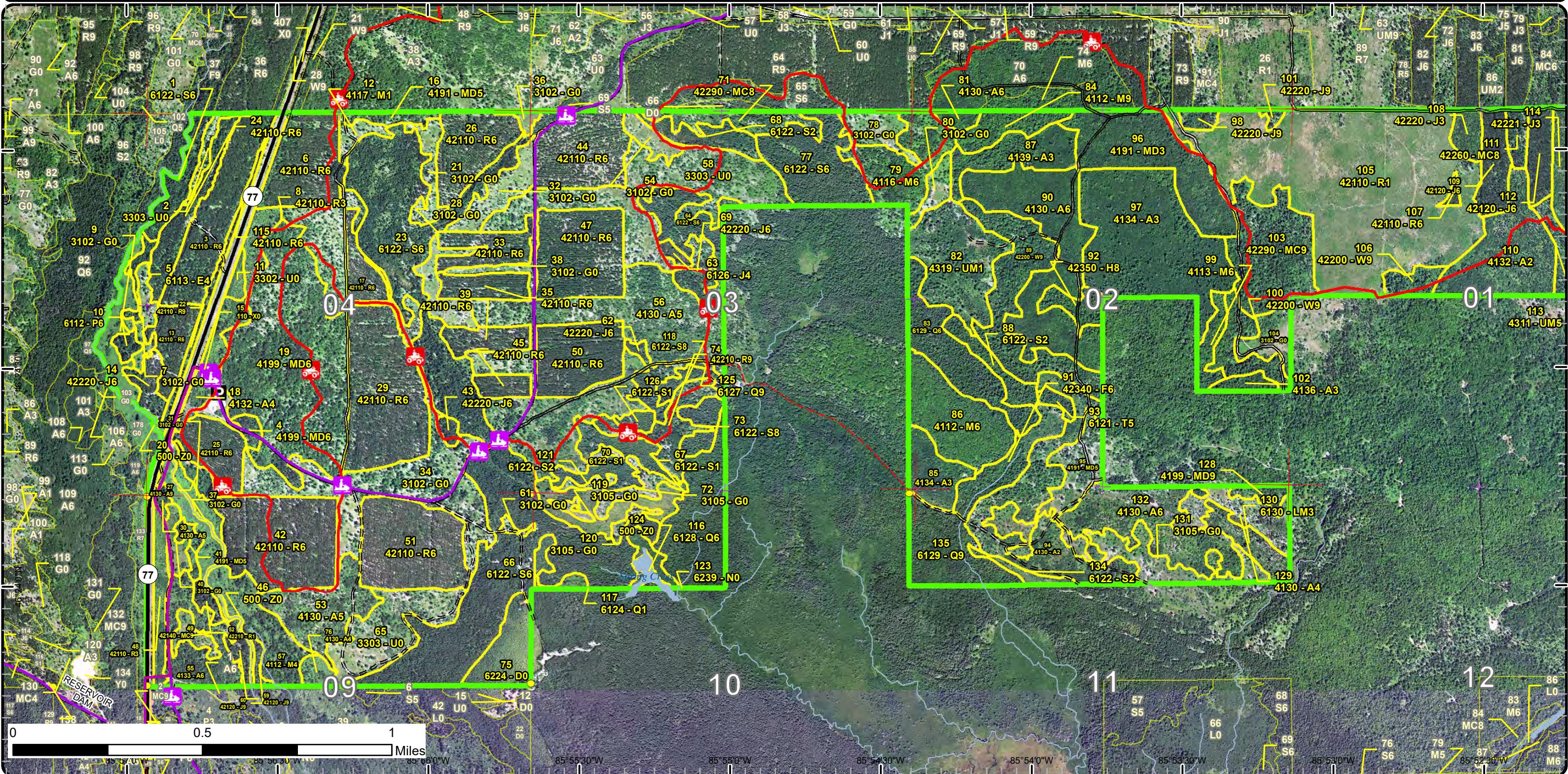
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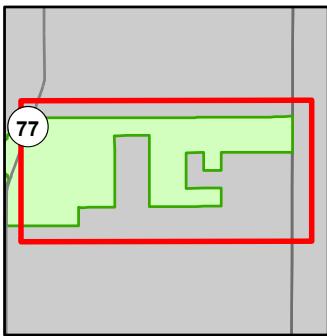
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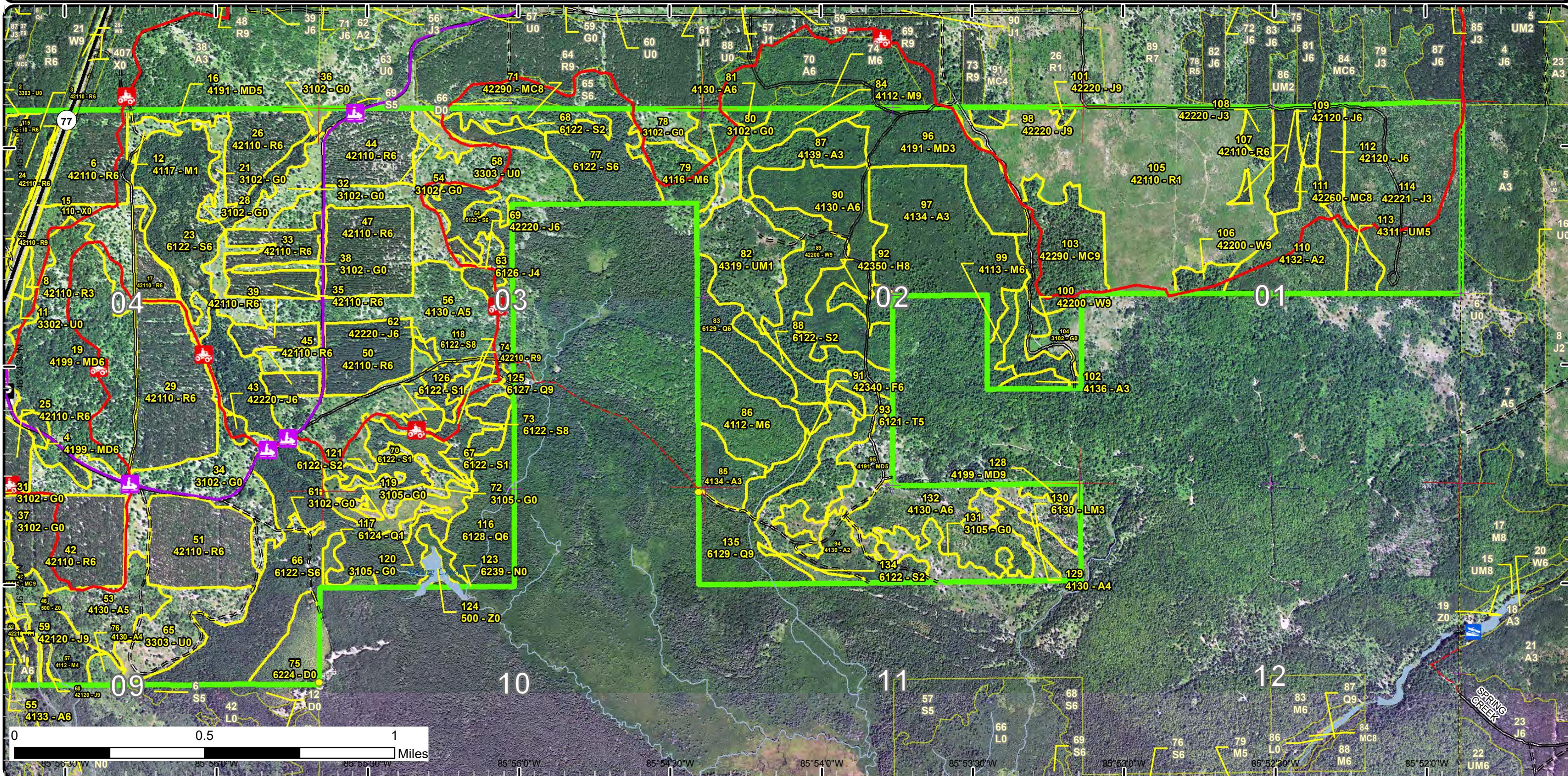
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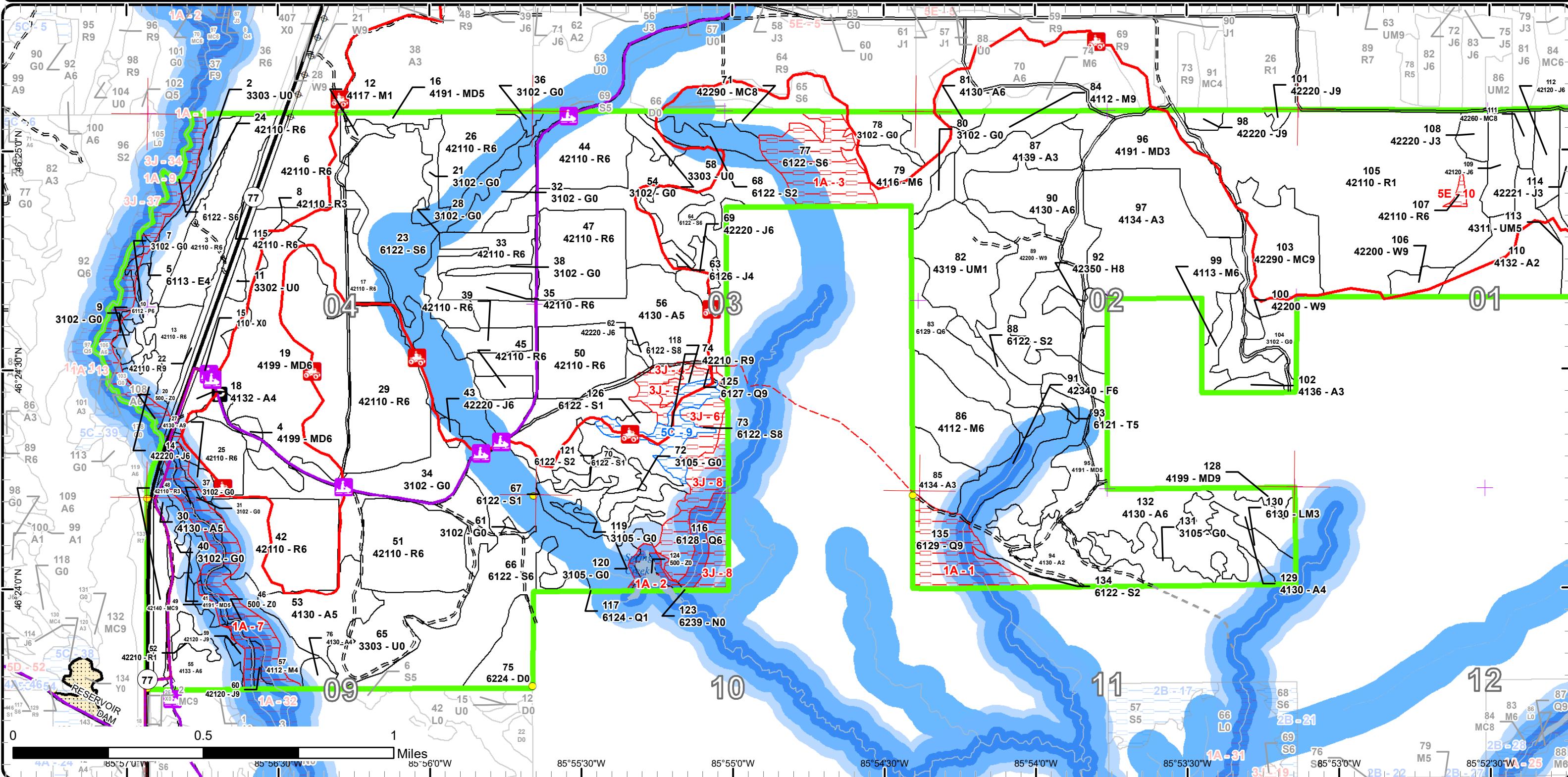


# Special Conservation Areas

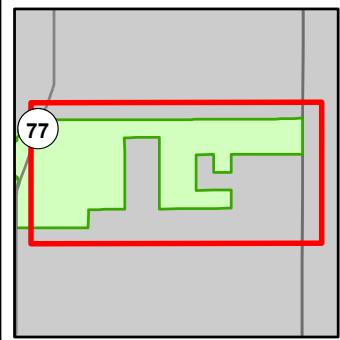
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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1A: Federal/State/Local Law
- Stand Boundaries
- SCA
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Sand or Gravel Pit



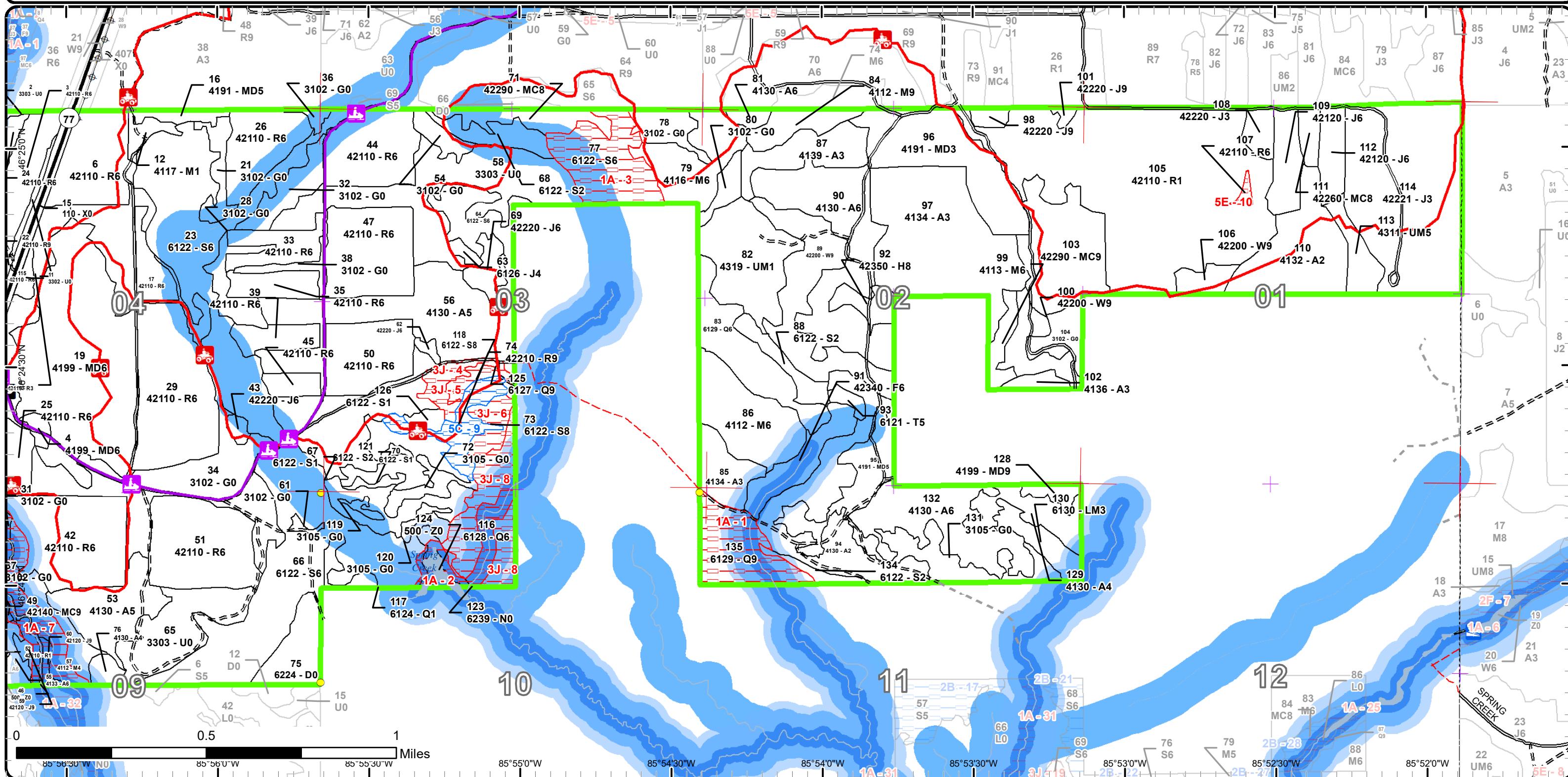
# Special Conservation Areas



DEPARTMENT OF NATURAL RESOURCES  
MICHIGAN

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- Unspecified
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1A: Federal/State/Local Law
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



## 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	0	230	61	149	7	6	0	0	0	0	0	0	0	0	15	468	
Hemlock	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7	
Herbaceous Openland	219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	
Jack Pine	0	0	97	0	0	0	38	10	6	0	0	0	0	0	0	0	0	151	
Low-Density Trees	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	
Lowland Conifers	0	0	5	0	0	0	0	0	27	7	0	60	0	0	0	0	0	98	
Lowland Deciduous	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	
Lowland Mixed Forest	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
Lowland Spruce/Fir	0	0	18	39	83	0	0	0	119	43	0	0	0	0	0	0	0	302	
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
Mixed Upland Deciduous	0	0	0	0	45	5	0	124	0	0	0	0	0	0	0	0	0	178	
Natural Mixed Pines	0	0	0	0	0	0	39	5	12	0	0	0	0	0	0	0	0	56	
Northern Hardwood	0	0	0	0	5	0	21	77	0	0	0	0	0	0	0	0	0	101	
Planted Mixed Pines	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	
Red Pine	0	159	10	15	5	0	53	358	0	15	0	0	0	0	0	0	0	613	
Tamarack	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	
Treed Bog	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	
Upland Mixed Forest	0	0	0	36	0	10	0	0	0	0	0	0	0	0	0	0	0	46	
Upland Spruce/Fir	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	15	
Urban	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
White Pine	0	0	0	0	0	0	0	0	37	13	0	0	0	0	0	0	6	56	
<b>Total</b>	<b>369</b>	<b>159</b>	<b>130</b>	<b>331</b>	<b>203</b>	<b>182</b>	<b>161</b>	<b>583</b>	<b>201</b>	<b>78</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>2484</b>	



## Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2024

Compartment 111

Total Compartment Acres: 2,487

### Acres of Harvest

Commercial Harvest - 243

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	Oversize Removal	Salvage	Other	Total Acres
Jack Pine	31	0	0	0	0	0	0	0	0	31
Mixed Upland Deciduous	3	0	0	0	0	0	0	0	0	3
Natural Mixed Pines	5	0	0	0	0	0	0	0	0	5
Red Pine	0	0	0	0	0	204	0	0	0	204
Total	39	0	0	0	0	204	0	0	0	243

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	243	0	0	0	0	0	0	0	0	243
Next Step	0	23	13	0	0	0	26	0	0	62
Total	243	23	13	0	0	0	26	0	0	304



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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**Proposed Treatments:**

4	41111004-Cut	2.8	4199 - Other Mixed Upland Deciduous	Poletimber Well	60	1-50	Harvest	Clearcut	412 - Oak Types	Uneven-Aged	No
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Prescription clear cut no retention due to size. Do not cut oak and protect oak regen.

Specs:

No harvesting during snowmobile season.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak and other species

Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

6	41111006-Cut	29.0	42110 - Planted Red Pine	Poletimber Well	60	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 2nd entry, remove up to 1/3BA

Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

13	41111013-Cut	12.7	42110 - Planted Red Pine	Poletimber Well	60	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Remove up to 1/3 BA

Specs:

Next Step  
Treatments:

Acceptable Red Pine  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

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	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
17	41111017-Cut	9.1	42110 - Planted Red Pine	Poletimber Well	60	111-140	Harvest	Low Thinning	4221 - Natural Red Pine	Even-Aged	No
<u>Prescription</u> 2nd entry, remove up to 1/3											
<u>Specs:</u>											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/1 /2023											
25	41111025-Cut	15.8	42110 - Planted Red Pine	Poletimber Well	61	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> 2nd entry, remove up to 1/3											
<u>Specs:</u> No harvesting during snowmobile season.											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/1 /2023											
29	41111029-Cut	50.1	42110 - Planted Red Pine	Poletimber Well	60	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> 2nd entry, remove up to 1/3											
<u>Specs:</u>											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/1 /2023											
35	41111035-Cut	10.4	42110 - Planted Red Pine	Poletimber Well	61	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> 2nd entry, remove up to 1/3											
<u>Specs:</u> No harvesting during snowmobile season.											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/1 /2023											

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	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
42	41111042-Cut	42.5	42110 - Planted Red Pine	Poletimber Well	61	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u>	2nd entry, remove up to 1/3.										
<u>Specs:</u>	No harvesting during snowmobile season.										
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u>	10/1 /2023										
47	41111047-Cut	34.3	42110 - Planted Red Pine	Poletimber Well	61	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u>	2nd entry, remove up to 1/3										
<u>Specs:</u>	No harvesting during snowmobile season.										
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u>	10/1 /2023										
69	41111069-Cut	7.1	42220 - Natural Jack Pine	Poletimber Well	63	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<u>Prescription</u>	Clearcut with no retention due to small size.										
<u>Specs:</u>	No harvesting during snowmobile season.										
<u>Next Step</u>	SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>											
<u>Acceptable</u>	Jack pine.										
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u>	10/1 /2023										
111	41111111-Cut	5.2	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	64	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<u>Prescription</u>	Clearcut without retention.										
<u>Specs:</u>											
<u>Next Step</u>	SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)										
<u>Treatments:</u>											
<u>Acceptable</u>	Jack pine and other species.										
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u>	10/1 /2022										

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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
112 4111112-Cut	10.5	42120 - Planted Jack Pine	Poletimber Well	57	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No

Prescription: Clear cut no retention.  
Specs:  
Next Step: SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)  
Treatments:  
Acceptable: Jack pine and other species.  
Regen:  
Other  
Comment:  
Site Condition:  
Proposed Start Date: 10/1 /2022

**Approved Treatments:**

109 4111109-Cut	13.2	42120 - Planted Jack Pine	Poletimber Well	56	81-110	Harvest	Clearcut with Retention	42120 - Planted Jack Pine	Even-Aged	No
<u>Prescription:</u>	Clear cut with red pine reserved (mark for access)									

Specs:  
Next Step: Planting, Initial Plant  
Treatments:  
Acceptable: jack pine  
Regen:  
Other Old next step comments: Regeneration of jack pine and red pine by use of currently accepted practices, scarification, trench and plant.  
Comment: Follow up according to work instructions.  
Site Condition:  
Proposed Start Date: 10/1 /2022

**Total Treatment 242.7**  
**Acreage Proposed:**

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 111

Year of Entry: 2024

### Availability for Management

Total Acres	Acres Avail	Acres Available	With Condition	Not Available	Dominant Site Conditions			
Acres					5C	1A	3J	5E
468	466	0	2		Aspen	2		
7	7	0	0		Hemlock			
219	197	0	22		Herbaceous Openland	22		
151	144	0	7		Jack Pine	7		
95	95	0	0		Low-Density Trees	0		
3	3	0	0		Lowland Aspen/Balsam Poplar	0		
99	32	0	68		Lowland Conifers	34	33	
4	2	0	2		Lowland Deciduous	2		
11	11	0	0		Lowland Mixed Forest			
301	247	0	54		Lowland Spruce/Fir	41	12	
5	2	0	4		Marsh	4		
178	178	0	0		Mixed Upland Deciduous	0		
56	56	0	0		Natural Mixed Pines			
102	90	0	12		Northern Hardwood	12		
3	2	0	1		Planted Mixed Pines	1		
614	594	15	5		Red Pine	15	4	1
3	3	0	0		Tamarack			
16	16	0	0		Treed Bog			
46	46	0	0		Upland Mixed Forest			
15	15	0	0		Upland Spruce/Fir			
29	27	0	1		Urban	1		
5	0	0	5		Water	5		
57	57	0	0		White Pine			
2,487	2,291	15	181		Total Forested Acres	15	134	46
		92%	1%	7%	Relative Percent			

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

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	1A: Federal/State/Local Law	27	1C: Other dept or div proc/practices	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 111

Year of Entry: 2024

Drainages in stand, will be difficult to type out and buffer. Acreage will be significantly reduced making it unmarketable based on location of stand.

2	Unavailable	1A: Federal/State/Local Law	14	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

Fox River Natural River 100' zone.

3	Unavailable	1A: Federal/State/Local Law	31	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
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**Comments:**

Drainages throughout will make this stand extremely difficult to harvest and stay within policy/law requirements.

4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

Slopes and drainages will make this area difficult to effectively operate in.

5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

Slopes and drainages will make this area difficult to effectively operate in.

6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
---	-------------	---	---	-------------	-------------	-------------	-------------

**Comments:**

Slopes and drainages will make this area difficult to effectively operate in.

7	Unavailable	1A: Federal/State/Local Law	62	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

Fox River Natural River 100' zone.

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 111

Year of Entry: 2024

8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Slopes and drainages will make this area difficult to effectively operate in.							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Good scenic values.							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**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.

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>	
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.	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.	
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.	



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
<b>1</b>	6122 - Black Spruce			Poletimber Well		11.2	73	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	5	Log	12					Black Cherry	Medium	Variable	Sapling
	Black Spruce	90	Pole	8	73				White Pine	Low	Variable	Sapling
	Tamarack	3	Pole	8					Black Spruce	Low	Variable	Sapling
	Black Cherry	2	Sapling/Pole	4								
<b>2</b>	3303 - Mixed Low Density Trees			Nonstocked		4.1	Unspecified		No			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	5	Pole	8					White Pine	Low	Variable	Pole
	Red Maple	20	Log	10					Red Maple	Low	Variable	Pole
	Red Pine	95	Pole	8	54				Red Pine	Low	Variable	Pole
									Black Spruce	Low	Variable	Pole
<b>3</b>	42110 - Planted Red Pine			Poletimber Well		33.7	54	81-110	N/A		M-77 pine TS: 41-034-14-01 units 1-2. TCR: 11/14/17	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Jack Pine	5	Pole	8					Jack Pine	Low	< 5 feet	Sapling
	Red Pine	95	Pole	8	54				Red Pine	Low	< 5 feet	Sapling
									White Pine	Low	< 5 feet	Sapling
<b>4</b>	4199 - Other Mixed Upland Deciduous			Poletimber Well		2.8	60	1-50	N/A		Mix of everything, species and sizes. Not sure what the long term goal here is. All aged upland mix	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Paper Birch	5	Pole	6					Jack Pine	Low	< 5 feet	Sapling
	Red Oak	20	Log	10					Red Pine	Low	< 5 feet	Sapling
	White Pine	5	Pole	5					White Pine	Low	< 5 feet	Sapling
	Bigtooth Aspen	25	Pole	5								
	Red Pine	10	Pole	6								
	Red Maple	35	Pole	8	60							
<b>5</b>	6113 - Lowland Maple			Poletimber Poor		3.5	36	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	7	Pole/Sapling	6					Bigtooth Aspen	Low	Variable	Sapling
	Red Maple	60	Pole/Sapling	5	36				White Pine	Low	Variable	Sapling
	Bigtooth Aspen	25	Pole/Sapling	5					Black Cherry	Low	Variable	Sapling
	Tamarack	3	Pole/Sapling	5					Red Maple	Low	Variable	Sapling
	Black Cherry	5	Sapling	3								
<b>6</b>	42110 - Planted Red Pine			Poletimber Well		29.0	60	111-140	N/A		ORV trail in stand.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Pine	100	Pole	8	60							





Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
14	42220 - Natural Jack Pine		Poletimber Well		7.2	50	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Jack Pine	100	Pole	8	50			Jack Pine	Low	< 5 feet	Sapling
								Red Pine	Low	< 5 feet	Sapling
								Quaking Aspen	Low	< 5 feet	Sapling
15	110 - Low Intensity Urban		Nonstocked		28.8		Immature	No			
16	4191 - Mixed Upland Deciduous with Conifer		Poletimber Medium		4.8	44	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	15	Pole	6				White Pine	Low	< 5 feet	Sapling
	Jack Pine	10	Pole	8				Black Cherry	Low	< 5 feet	Sapling
	Red Maple	40	Pole	8	44						
	Red Oak	25	Pole	8							
	Quaking Aspen	10	Pole	6							
17	42110 - Planted Red Pine		Poletimber Well		9.1	60	111-140	N/A		Cut in 2011	
	Canopy Species	% Cover	Size Class	DBH Age							
	Red Pine	100	Pole	8	60						
18	4132 - Aspen, Jack Pine		Poletimber Poor		4.7	35	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Quaking Aspen	60	Sapling/Pole	5	35			Jack Pine	Low	< 5 feet	Sapling
	White Pine	10	Sapling/Pole	5				Quaking Aspen	Low	< 5 feet	Sapling
	Jack Pine	20	Sapling/Pole	5				White Pine	Low	< 5 feet	Sapling
	Red Oak	5	Pole/Log	8							
	Black Spruce	5	Pole	5							
19	4199 - Other Mixed Upland Deciduous		Poletimber Well		100.2	60	1-50	N/A		Mix of everything, species and sizes. Not sure what the long term goal here is. All aged upland mix	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	35	Pole	8	60			White Pine	Low	< 5 feet	Sapling
	Paper Birch	5	Pole	6				Jack Pine	Low	< 5 feet	Sapling
	White Pine	5	Pole	5				Red Pine	Low	< 5 feet	Sapling
	Red Pine	10	Pole	6							
	Bigtooth Aspen	25	Pole	5							
	Red Oak	20	Log	10							
20	500 - Water		Nonstocked		0.2		Unspecified	No			







Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																
36	3102 - Grass	Nonstocked	2.0		Unspecified	Managed Opening																	
37	3102 - Grass	Nonstocked	9.6		Unspecified	Managed Opening																	
						<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>	Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Sapling									
Sub-Canopy Species	Density	Avg. Height	Size																				
Black Cherry	Low	Variable	Sapling																				
38	3102 - Grass	Nonstocked	5.2	2021		Managed Opening	Opening/fire break that is growing over																
39	42110 - Planted Red Pine	Poletimber Well	9.6	60	111-140	N/A	cut in 2015																
						<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Pole</td> <td>8 60</td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH Age	Red Pine	100	Pole	8 60									
Canopy Species	% Cover	Size Class	DBH Age																				
Red Pine	100	Pole	8 60																				
40	3102 - Grass	Nonstocked	5.1		Unspecified	Managed Opening																	
						<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> </tbody> </table>	Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Trace		Sapling	Black Cherry	Trace		Sapling					
Sub-Canopy Species	Density	Avg. Height	Size																				
Jack Pine	Trace		Sapling																				
Black Cherry	Trace		Sapling																				
41	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	3.4	30	1-50	N/A																	
						<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>35</td> <td>Pole/Sapling</td> <td>5 30</td> </tr> <tr> <td>Black Cherry</td> <td>32</td> <td>Sapling/Pole</td> <td>4</td> </tr> <tr> <td>Jack Pine</td> <td>33</td> <td>Sapling/Pole</td> <td>4</td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH Age	Bigtooth Aspen	35	Pole/Sapling	5 30	Black Cherry	32	Sapling/Pole	4	Jack Pine	33	Sapling/Pole	4	
Canopy Species	% Cover	Size Class	DBH Age																				
Bigtooth Aspen	35	Pole/Sapling	5 30																				
Black Cherry	32	Sapling/Pole	4																				
Jack Pine	33	Sapling/Pole	4																				
42	42110 - Planted Red Pine	Poletimber Well	45.3	61	81-110	N/A	Cut in 2005.																
						<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Pole</td> <td>8 61</td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH Age	Red Pine	100	Pole	8 61									
Canopy Species	% Cover	Size Class	DBH Age																				
Red Pine	100	Pole	8 61																				
43	42220 - Natural Jack Pine	Poletimber Well	2.2	56	1-50	N/A																	
						<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>6</td> </tr> <tr> <td>Jack Pine</td> <td>85</td> <td>Pole</td> <td>8 56</td> </tr> <tr> <td>Tamarack</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH Age	Black Spruce	10	Pole	6	Jack Pine	85	Pole	8 56	Tamarack	5	Sapling/Pole	4	
Canopy Species	% Cover	Size Class	DBH Age																				
Black Spruce	10	Pole	6																				
Jack Pine	85	Pole	8 56																				
Tamarack	5	Sapling/Pole	4																				
44	42110 - Planted Red Pine	Poletimber Well	28.7	60	81-110	N/A																	
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Canopy Species	% Cover	Size Class	DBH Age																				
Red Pine	100	Pole	8 60																				



Stand	Level 4 Cover Type		Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
45	42110 - Planted Red Pine		Poletimber Well	5.8	60	111-140	N/A	cut in 2015	
	Canopy Species	% Cover	Size Class	DBH	Age				
	Red Pine	100	Pole	8	60				
46	500 - Water		Nonstocked	2.5	Unspecified		No		
47	42110 - Planted Red Pine		Poletimber Well	34.3	61	81-110	N/A	Cut in 2011	
	Canopy Species	% Cover	Size Class	DBH	Age				
	Red Pine	100	Pole	8	61				
48	42110 - Planted Red Pine		Sapling Well	9.9	15	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age				
	Red Pine	5	Log	12	72				
	Red Pine	95	Sapling	3	15				
49	42140 - Planted Mixed Pine		Sawtimber Well	2.9	61	51-80	N/A	r. pine 60 30 50 j. pine 30 30 40	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Jack Pine	45	Log	12		Black Spruce	Medium	Variable	Sapling
	Red Pine	55	Log	14	61	Jack Pine	Low	Variable	Sapling
50	42110 - Planted Red Pine		Poletimber Well	26.1	61	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age				
	Red Pine	100	Pole	8	61				
51	42110 - Planted Red Pine		Poletimber Well	39.5	61	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age				
	Red Pine	100	Pole	8	61				
52	42210 - Natural Red Pine		Sapling Poor	4.5	37	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age				
	Red Pine	60	Sapling	3	37				
	Black Cherry	25	Pole	5					
	Bigtooth Aspen	15	Sapling	2	37				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
53	4130 - Aspen	Poletimber Medium	26.1	46	Unspecified	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Red Oak	5	Pole	6			
	Red Pine	5	Log/Pole	10			
	Bigtooth Aspen	75	Pole	5 46			
	Red Maple	5	Pole	8			
	White Pine	5	Pole	6			
	Jack Pine	5	Pole	8			
54	3102 - Grass	Nonstocked	5.7		Unspecified	Managed Opening	
	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
	Red Maple	Low		Sapling			
	Bigtooth Aspen	Low		Sapling			
55	4133 - Aspen, Mixed Pine	Poletimber Well	22.0	46	1-50	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Bigtooth Aspen	65	Pole	8 46			
	White Spruce	5	Pole	6			
	White Pine	10	Pole	6			
	Red Pine	5	Pole	8			
	Jack Pine	15	Pole	8			
56	4130 - Aspen	Poletimber Medium	101.1	45	1-50	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Bigtooth Aspen	90	Pole	6 45			
	White Pine	5	Pole	6			
	Jack Pine	5	Pole	6			
	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
	Jack Pine	Low	Variable	Sapling			
	Bigtooth Aspen	Low	Variable	Sapling			
	White Pine	Low	Variable	Sapling			
57	4112 - Maple, Beech, Cherry Association	Poletimber Poor	21.2	59	1-50	N/A	cheery 20 10 0 aspen 0 10 0 r maple 0 0 10
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Black Cherry	60	Pole	6 59			
	Bigtooth Aspen	15	Pole	6 59			
	Red Maple	25	Pole	6			
	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
	Willow spp.	Full	Variable	Tall Shrub			
							Willow shrub with islands of cherry and aspen.
58	3303 - Mixed Low Density Trees	Nonstocked	59.1		Unspecified	No	
	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
	Bigtooth Aspen	Low		Pole			
	White Pine	Low		Pole			
	Jack Pine	Low		Pole			
	Red Maple	Low		Pole			



Stand	Level 4 Cover Type				Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>59</b>	42120 - Planted Jack Pine				Sawtimber Well	4.2	71	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Red Pine	40	Log	14	Black Cherry	Low	Variable	Sapling		
	Jack Pine	60	Log	12 71	Black Spruce	Low	Variable	Sapling		
<b>60</b>	42120 - Planted Jack Pine				Sawtimber Well	2.0	70	81-110	N/A	j pine 50 90 50 r pine 50 0 0 b spruce 10
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Jack Pine	60	Log	12 70	Black Spruce	Low	Variable	Sapling		
	Red Pine	40	Log	14						
<b>61</b>	3102 - Grass				Nonstocked	1.2	Unspecified		No	
	Sub-Canopy Species	Density	Avg. Height	Size						
	Red Oak	Trace		Sapling						
	Red Maple	Low		Sapling						
	Bigtooth Aspen	Low		Sapling						
	Black Cherry	Low		Sapling						
<b>62</b>	42220 - Natural Jack Pine				Poletimber Well	1.5	61	51-80	N/A	Small stand of good quality jack pine that was not previously typed out.
	Canopy Species	% Cover	Size Class	DBH Age						
	Jack Pine	100	Pole	8 61						
<b>63</b>	6126 - Lowland Jack Pine				Poletimber Poor	2.0	54	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Black Spruce	5	Pole	8	Jack Pine	Low	Variable	Sapling		
	Jack Pine	85	Pole	6 54	Quaking Aspen	Low	Variable	Sapling		
	Quaking Aspen	10	Pole	6						
<b>64</b>	6122 - Black Spruce				Poletimber Well	15.8	74	51-80	N/A	Drainage in middle of stand.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Tamarack	10	Pole	6	Black Spruce	Medium	Variable	Sapling		
	White Pine	10	Log	10	White Pine	Low	Variable	Sapling		
	Red Pine	2	Log	14						
	Black Spruce	78	Pole	6 74						
<b>65</b>	3303 - Mixed Low Density Trees				Nonstocked	29.3	Unspecified		No	
	Sub-Canopy Species	Density	Avg. Height	Size						
	White Pine	Low	Variable	Sapling						
	Quaking Aspen	Low	Variable	Sapling						
	Red Maple	Low	Variable	Sapling						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>66</b>	6122 - Black Spruce	Poletimber Well	92.0	70	1-50	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Black Spruce	95	Pole	6	70		
	Tamarack	5	Pole	6			
<b>67</b>	6122 - Black Spruce	Sapling Poor	15.7	12	Immature	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Black Spruce	80	Sapling	1	12		
	Tamarack	10	Sapling	1			
	White Pine	10	Sapling	2			
<b>68</b>	6122 - Black Spruce	Sapling Medium	10.2	26	Immature	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Tamarack	10	Sapling	3			
	Black Spruce	75	Sapling	3	26		
	Jack Pine	15	Sapling	3			
<b>69</b>	42220 - Natural Jack Pine	Poletimber Well	7.1	63	51-80	N/A	j pine 90 40 50 aspen 0 50 0 r maple 50 0 0
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Red Maple	2	Pole	6			
	Bigtooth Aspen	8	Pole	5			
	Black Spruce	15	Pole	6			
	Jack Pine	75	Pole	8	63		
<b>70</b>	6122 - Black Spruce	Sapling Poor	16.7	28	1-50	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Tamarack	5	Sapling/Pole	4			
	Black Spruce	95	Sapling/Pole	4	28		
<b>71</b>	42290 - Natural Mixed Pine	Sawtimber Medium	12.3	71	1-50	N/A	
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH Age</b>			
	Paper Birch	10	Pole	6			
	Black Spruce	10	Pole	6			
	White Pine	35	Log	10	71		
	Red Maple	10	Pole	6			
	Red Pine	35	Log	12			
<b>72</b>	3105 - Mixed Upland Herbaceous	Nonstocked	6.6	0	Unspecified	No	
	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
	White Pine	Low	Variable	Log			



Stand	Level 4 Cover Type			Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
73	6122 - Black Spruce			Sawtimber Medium	7.4	86	111-140	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Northern White Cedar	20	Pole	8	Red Maple	Low	Variable	Sapling	
	Balsam Fir	10	Pole	6	Balsam Fir	Low	< 5 feet	Sapling	
	Black Spruce	65	Log/Pole	10 86	Black Spruce	Low	< 5 feet	Sapling	
	Red Maple	5	Pole	8					
74	42210 - Natural Red Pine			Sawtimber Well	15.0	86	81-110	N/A	Hilly terrain with motorbike trail in it.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Pine	95	Log	14 86	Jack Pine	Low	< 5 feet	Sapling	
	White Pine	5	Log	14	White Spruce	Low	Variable	Sapling	
					Bigtooth Aspen	Low	Variable	Sapling	
					White Pine	Low	Variable	Sapling	
					Red Pine	Low	< 5 feet	Sapling	
75	6224 - Treed Bog			Nonstocked	16.2	Immature		No	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
					Black Spruce	Medium	10 - 20 feet	Sapling	
					Tamarack	Medium	10 - 20 feet	Sapling	
76	4130 - Aspen			Poletimber Poor	4.0	59	1-50	N/A	cheery 20 10 0 aspen 0 10 0 r maple 0 0 10
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Black Cherry	25	Pole	6	Willow spp.	Full	Variable	Tall Shrub	
	Bigtooth Aspen	60	Pole	6 59					Willow shrub with islands of cherry and aspen.
	Red Maple	15	Pole	6					
77	6122 - Black Spruce			Poletimber Well	31.0	80	81-110	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Tamarack	8	Pole	6	Black Spruce	Low	Variable	Sapling	
	Northern White Cedar	2	Pole	6	Balsam Fir	Low	Variable	Sapling	
	White Pine	10	Log	12	Red Maple	Low	Variable	Sapling	
	Black Spruce	80	Pole	8 80					
78	3102 - Grass			Nonstocked	9.6	Unspecified		No	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
					Red Pine	Low		Pole	
					Red Oak	Low		Pole	
					Bigtooth Aspen	Low		Pole	
					White Pine	Low		Pole	
					Red Maple	Low		Pole	
					Black Cherry	Low		Pole	



Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site	General Comments
<b>79</b>	4116 - Mixed N. Hardwood - Aspen		Poletimber Well		26.2	65	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	60	Pole	8 65	Red Maple	Low	Variable	Sapling	
	Red Oak	2	Pole	8	Bigtooth Aspen	Low	Variable	Sapling	
	Paper Birch	3	Pole	5	White Pine	Low	< 5 feet	Sapling	
	Bigtooth Aspen	30	Pole	6	Beech	Low	Variable	Sapling	
	White Pine	5	Pole	6					
<b>80</b>	3102 - Grass		Nonstocked		5.7	Unspecified		No	
	Sub-Canopy Species	Density	Avg. Height	Size					
	Quaking Aspen	Low		Pole					
	Black Cherry	Trace		Pole					
	White Pine	Low		Pole					
	Red Maple	Low		Pole					
	Red Oak	Trace		Pole					
	Red Pine	Low		Pole					
<b>81</b>	4130 - Aspen		Poletimber Well		3.0	52	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Beech	5	Pole	6	Red Maple	Medium	Variable	Sapling	
	Bigtooth Aspen	60	Pole	7 52	Beech	Low	< 5 feet	Sapling	
	Red Maple	35	Pole	6	Balsam Fir	Low	< 5 feet	Sapling	
					Black Cherry	Low	Variable	Sapling	
<b>82</b>	4319 - Mixed Upland Forest		Sapling Poor		35.9	29	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age					
	White Pine	20	Sapling/Pole	4					
	Red Maple	35	Sapling/Pole	4 29					
	Quaking Aspen	20	Sapling/Pole	4					
	Jack Pine	25	Sapling/Pole	4					
<b>83</b>	6129 - Mixed Coniferous Lowland Forest		Poletimber Well		27.2	73	111-140	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Balsam Fir	3	Pole	6	Northern White Cedar	Low	Variable	Sapling	
	Black Spruce	35	Pole	8 73	Balsam Fir	Low	Variable	Sapling	
	Northern White Cedar	25	Pole	8	Hemlock	Low	Variable	Sapling	
	White Pine	5	XLog	22					
	Hemlock	30	XLog/Log	18					
	Red Maple	2	Pole	6					



Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
84	4112 - Maple, Beech, Cherry Association		Sawtimber Well		11.4	64	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	12	Log	14				White Pine	Medium	Variable	Sapling
	Hemlock	3	Log	14				Hemlock	Low	Variable	Sapling
	Beech	10	Pole	8				Red Maple	Medium	Variable	Sapling
	Red Maple	75	Log/Pole	10 64				Balsam Fir	Medium	Variable	Sapling
								Beech	High	Variable	Sapling
85	4134 - Aspen, Spruce/Fir		Sapling Well		14.2	22	Immature	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	10	Sapling	3				Balsam Fir	Low	Variable	Sapling
	Bigtooth Aspen	60	Sapling	3 22				Beech	Low	Variable	Sapling
	Jack Pine	5	Sapling	3							
	Balsam Fir	15	Sapling	3							
	Black Spruce	10	Sapling	3							
86	4112 - Maple, Beech, Cherry Association		Poletimber Well		31.7	64	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Fir	20	Pole	8				Balsam Fir	Low	Variable	Sapling
	Beech	5	Pole	8				Beech	Low	Variable	Sapling
	Red Maple	75	Pole	8 64							
87	4139 - Aspen, Mixed Deciduous		Sapling Well		19.1	23	Immature	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Hemlock	2	Log	14				Balsam Fir	Low	Variable	Sapling
	Black Cherry	5	Sapling	1				Beech	Low	Variable	Sapling
	Red Maple	30	Sapling	1							
	White Spruce	5	Sapling	1							
	Quaking Aspen	48	Sapling	1 23							
	White Pine	10	Log	14							
88	6122 - Black Spruce		Sapling Medium		8.8	22	Immature	N/A			
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	25	Sapling	2				Balsam Fir	Low	Variable	Sapling
	Red Maple	10	Sapling	2				Beech	Low	Variable	Sapling
	Black Spruce	65	Sapling	2 22							



Stand	Level 4 Cover Type		Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
89	42200 - Natural White Pine		Sawtimber Well	37.2	76	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	10	Pole	6	White Pine	Low	Variable	Sapling
	White Pine	75	Log	12 76	Red Maple	Low	Variable	Sapling
	Hemlock	5	Log	14				
	Black Spruce	10	Pole	6				
90	4130 - Aspen		Poletimber Well	56.0	33	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Fir	5	Pole	5	Red Maple	Medium	< 5 feet	Sapling
	Black Cherry	5	Pole	5	Red Oak	Low	< 5 feet	Sapling
	Red Maple	15	Pole/Sapling	5	Balsam Fir	Medium	< 5 feet	Sapling
	Beech	5	Pole/Sapling	5	White Pine	Medium	< 5 feet	Sapling
	Bigtooth Aspen	70	Pole/Sapling	5 33				
91	42340 - Upland Spruce/Fir		Poletimber Well	15.4	49	51-80	N/A	Moderate slope to creek. Changes dominate species every hundred yards.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Black Spruce	20	Pole	6	Red Maple	Medium	< 5 feet	Sapling
	Red Oak	2	Pole/Sapling	5	Red Oak	Low	< 5 feet	Sapling
	Quaking Aspen	5	Pole	6	Balsam Fir	Medium	< 5 feet	Sapling
	Balsam Fir	38	Pole	6 49	White Pine	Medium	< 5 feet	Sapling
	White Spruce	15	Pole	6				
	White Pine	10	Pole	6				
	Red Maple	10	Pole/Sapling	5				
92	42350 - Upland Hemlock		Sawtimber Medium	7.4	106	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	25	Log	10	Striped Maple	Low	Variable	Sapling
	Beech	5	Log	14	Beech	Full	Variable	Sapling
	Hemlock	70	Log	14 106	Red Maple	Low	Variable	Sapling
					Quaking Aspen	Medium	Variable	Sapling
93	6121 - Tamarack		Poletimber Medium	2.8	49	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age				
	Tamarack	60	Pole	6 49				
	Black Spruce	40	Pole	6				



Stand	Level 4 Cover Type		Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>94</b>	4130 - Aspen		Sapling Medium	45.1	23	Immature	N/A	
	Canopy Species	% Cover	Size Class	DBH Age				
	Red Maple	5	Sapling	1				
	Quaking Aspen	90	Sapling	1	23			
	White Pine	5	Sapling	1				
<b>95</b>	4191 - Mixed Upland Deciduous with Conifer		Poletimber Medium	20.7	65	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age				
	Quaking Aspen	15	Pole	8				
	Red Oak	5	Pole	8				
	White Spruce	10	Pole	6				
	White Pine	20	Pole	8				
	Red Maple	50	Pole	8	65			
<b>96</b>	4191 - Mixed Upland Deciduous with Conifer		Sapling Well	42.2	33	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age				
	White Pine	10	Sapling	3				
	Black Cherry	5	Sapling	3				
	Bigtooth Aspen	35	Sapling	4	33			
	Balsam Fir	15	Sapling	3				
	White Spruce	10	Sapling	3				
	Red Maple	25	Sapling	4				
<b>97</b>	4134 - Aspen, Spruce/Fir		Sapling Well	72.0	22	Immature	N/A	Some residual superstory white pine and hemlock.
	Canopy Species	% Cover	Size Class	DBH Age				
	Red Maple	20	Sapling	3				
	Bigtooth Aspen	40	Sapling	3	22			
	Balsam Fir	15	Sapling	3				
	White Spruce	10	Sapling	3				
	White Pine	15	Sapling	3				
<b>98</b>	42220 - Natural Jack Pine		Sawtimber Well	3.2	53	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age				
	White Pine	10	Log	12	52			
	Quaking Aspen	2	Pole	8				
	Jack Pine	83	Log	10	53			
	Red Maple	5	Pole	6				
	Sub-Canopy Species	Density	Avg. Height	Size				
	Black Cherry	Low	Variable	Sapling				
	White Pine	High	< 5 feet	Sapling				
	Red Maple	Low	< 5 feet	Sapling				



Stand	Level 4 Cover Type		Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>99</b>	4113 - R.Maple, Conifer		Poletimber Well	7.2	64	51-80	N/A	Nice red maple poles.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Beech	15	Pole	8	Balsam Fir	Low	< 5 feet	Sapling
	Bigtooth Aspen	5	Pole	6	Hemlock	Medium	Variable	Sapling
	Hemlock	10	XLog	22	Beech	Medium	Variable	Sapling
	White Pine	10	XLog/Log	18	Red Maple	Low	Variable	Sapling
	Red Maple	60	Pole	8 64				
<b>100</b>	42200 - Natural White Pine		Sawtimber Well	13.1	80	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	85	Log	14 80	Quaking Aspen	Low	Variable	Sapling
	Jack Pine	5	Pole	6	Jack Pine	Low	Variable	Sapling
	Quaking Aspen	10	Pole/Log	8 59	White Pine	Low	Variable	Sapling
					Red Maple	Low	Variable	Sapling
<b>101</b>	42220 - Natural Jack Pine		Sawtimber Well	1.4	62	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Jack Pine	100	Log	10 62	Bigtooth Aspen	Low	< 5 feet	Sapling
					White Pine	Low	Variable	Sapling
					Jack Pine	Low	Variable	Sapling
					Red Pine	Low	< 5 feet	Sapling
<b>102</b>	4136 - Aspen, Mixed Conifer		Sapling Well	4.1	23	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	15	Sapling/Pole	4	Red Maple	Low	< 5 feet	Sapling
	Quaking Aspen	60	Sapling	3 23	White Pine	Low	< 5 feet	Sapling
	Balsam Fir	10	Sapling/Pole	4				
	White Pine	15	Log/Pole	12				
<b>103</b>	42290 - Natural Mixed Pine		Sawtimber Well	38.6	51	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Bigtooth Aspen	20	Pole	8	White Pine	Medium	5 - 10 feet	Sapling
	White Pine	50	Log/Pole	10 51	Red Maple	Low	< 5 feet	Sapling
	Jack Pine	30	Pole	8 51				
<b>104</b>	3102 - Grass		Nonstocked	9.8	Unspecified		No	
	Sub-Canopy Species	Density	Avg. Height	Size				
	White Pine	Medium	Variable	Sapling				
	Black Cherry	Low	Variable	Sapling				
	Quaking Aspen	Low	Variable	Sapling				



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
105	42110 - Planted Red Pine			Sapling Poor		159.4	8	Immature	N/A		stand patchy of what is planted red pine, natural Jack pine and aspen.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Jack Pine	25	Sapling	2					Quaking Aspen	Medium	< 5 feet	Sapling
	Quaking Aspen	10	Sapling	2								
	Red Pine	65	Sapling	2	8							
106	42200 - Natural White Pine			Sawtimber Well		6.4	65	81-110	N/A		Currently FTP C41- 1433 trenched (7/12) replanted summer 2016 to Red pine. regen check passed summer 2017 (1st year). This stand has been updated from a field evaluation for a project on free to grow red pine. Passed regen check fall 2019.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	90	Log	16	65				White Pine	High	< 5 feet	Sapling
	Jack Pine	5	Pole	8								
	Quaking Aspen	5	Pole	8								
107	42110 - Planted Red Pine			Poletimber Well		1.4	57	1-50	N/A		Retention pocket from past harvest.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Pine	95	Pole	8	57							
	Jack Pine	5	Pole	6								
108	42220 - Natural Jack Pine			Sapling Well		6.2	19	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Quaking Aspen	5	Sapling	3								
	Jack Pine	95	Sapling	3	19							
109	42120 - Planted Jack Pine			Poletimber Well		13.1	56	81-110	N/A		j pine 130 40 50 r pine 50 20 0 w pine 0 10 0	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Pine	30	Log/Pole	10					Bigtooth Aspen	Low	Variable	Sapling
	Jack Pine	70	Pole	8	56				Red Pine	Low	Variable	Sapling
110	4132 - Aspen, Jack Pine			Sapling Medium		37.2	23	Immature	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Quaking Aspen	60	Sapling	3	23							
	Jack Pine	40	Sapling	3								
111	42260 - Natural Pine, Mixed Deciduous			Sawtimber Medium		5.2	64	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Bigtooth Aspen	40	Log	12					White Pine	Low	5 - 10 feet	Sapling
	White Pine	50	Log	12	64							
	Jack Pine	10	Pole	6								



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
<b>112</b>	42120 - Planted Jack Pine			Poletimber Well		10.5	57	51-80	N/A		j pine 50 100 30 r pine 0 20 20 aspen 0 0 20	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Quaking Aspen	2	Pole/Log	10					White Pine	Low	Variable	Sapling
	Red Pine	23	Pole	8					Jack Pine	Low	Variable	Sapling
	Jack Pine	75	Pole	8	57							
<b>113</b>	4311 - Pine, Aspen Mix			Poletimber Medium		10.1	44	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Quaking Aspen	45	Pole	6					Jack Pine	Low	Variable	Sapling
	Jack Pine	55	Pole	6	44				Quaking Aspen	Low	Variable	Sapling
<b>114</b>	42221 - Natural Jack Pine, Mixed Deciduous			Sapling Well		90.5	19	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age							
	Quaking Aspen	35	Sapling	3								
	Jack Pine	65	Sapling	4	19							
<b>115</b>	42110 - Planted Red Pine			Poletimber Well		2.5	54	141-170	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age							
	Red Pine	95	Pole	8	54							
	Jack Pine	5	Pole	8								
<b>116</b>	6128 - Lowland Coniferous, Mixed Deciduous			Poletimber Well		33.8	105	51-80	N/A		Mixed lowland timber featuring cedar and a variety of other spp. Composition and density vary quite a bit from place to place within the stand, and site indices appear to change with even slight elevation differences.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Fir	5	Pole/Sapling	6					Black Spruce	Low	Variable	Sapling
	Paper Birch	15	Pole/Log	9					Northern White Cedar	Low	Variable	Sapling
	Northern White Cedar	45	Pole/Log	9	105				Tag Alder	Low	Variable	Tall Shrub
	Black Spruce	5	Pole/Log	9					Balsam Fir	Medium	Variable	Sapling
	Tamarack	5	Log/Pole	10								
	Black Ash	5	Pole	6								
<b>117</b>	6124 - Lowland Spruce-Fir			Sapling Poor		4.5	12	1-50	N/A		.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	10	Sapling	1					Balsam Fir	Low	Variable	Sapling
	Northern White Cedar	20	Pole/Sapling	6					Red Maple	Medium	Variable	Sapling
	Black Spruce	40	Sapling	2	12							
	Balsam Fir	30	Sapling/Pole	4								



Stand	Level 4 Cover Type		Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
118	6122 - Black Spruce		Sawtimber Medium	4.7	86	111-140	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Fir	10	Pole	6	Balsam Fir	Low	< 5 feet	Sapling
	Northern White Cedar	20	Pole	8	Red Maple	Low	Variable	Sapling
	Red Maple	5	Pole	8	Black Spruce	Low	< 5 feet	Sapling
	Black Spruce	65	Log/Pole	10 86				
119	3105 - Mixed Upland Herbaceous		Nonstocked	1.6	Unspecified		No	
120	3105 - Mixed Upland Herbaceous		Nonstocked	2.0	Unspecified		Managed Opening	
121	6122 - Black Spruce		Sapling Medium	1.9	15	Immature	N/A	
	Canopy Species	% Cover	Size Class	DBH Age				
	Black Spruce	85	Sapling	1 15				
	Tamarack	15	Sapling	1				
123	6239 - Mixed Emergent Wetland		Nonstocked	5.2	Unspecified		No	Maintain as a buffer in accordance w/the Fox River Plan, as Cold Creek is a recognized tributary of the Fox River system.
								multiple drainages
124	500 - Water		Nonstocked	2.0	Unspecified		No	Pond near the headwaters of Cold Creek - recognized tributary to the Fox River system. Buffer per the Fox River Plan.
125	6127 - Lowland Pine		Sawtimber Well	7.2	86	51-80	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	60	Log	14 86	White Pine	Low	Variable	Sapling
	Black Spruce	40	Pole	8	Red Maple	Low	Variable	Sapling
					Black Spruce	Low	< 5 feet	Sapling
126	6122 - Black Spruce		Sapling Poor	2.9	27	1-50	N/A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size
	Tamarack	5	Sapling/Pole	4	Tamarack	Low	< 5 feet	Sapling
	Black Spruce	95	Sapling/Pole	4 28	Black Spruce	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
128	4199 - Other Mixed Upland Deciduous			Sawtimber Well		4.3	77	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Paper Birch	15	Log/Pole	10					Red Maple	Low	Variable	Sapling
	Balsam Fir	5	Pole/Sapling	5					White Pine	Low	Variable	Sapling
	White Pine	5	Pole/Log	9					Balsam Fir	Low	Variable	Sapling
	Red Oak	50	Log/Pole	10	77							
	Bigtooth Aspen	15	Pole	8								
	Red Maple	10	Pole	8	77							
129	4130 - Aspen			Poletimber Poor		15.1	30	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Oak	10	Pole	8					White Pine	Low	Variable	Sapling
	Red Maple	30	Pole	6					Bigtooth Aspen	Low	Variable	Sapling
	Bigtooth Aspen	60	Pole	6	30							
130	6130 - Fir, Aspen, Maple			Sapling Well		10.6	22	1-50	N/A		Semi-open mix of young conifers, red maple and aspen on a transitional site.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	25	Sapling	3					Deciduous Shrubs	Medium	Variable	Tall Shrub
	Black Spruce	25	Sapling	2	22				Red Maple	Medium	Variable	Sapling
	Balsam Fir	10	Sapling	1								
	Quaking Aspen	25	Sapling	3	22							
	Tamarack	5	Sapling	2								
	White Pine	10	Sapling	2								
131	3105 - Mixed Upland Herbaceous			Nonstocked		19.6	Unspecified		No			
132	4130 - Aspen			Poletimber Well		38.5	22	Immature	N/A		Cut in 1999.	
	Canopy Species	% Cover	Size Class	DBH	Age							
	Red Maple	4	Sapling	3								
	Quaking Aspen	90	Pole/Sapling	4	22							
	Black Spruce	2	Sapling	3								
	Balsam Fir	2	Sapling	3								
	White Pine	2	Pole	5								
134	6122 - Black Spruce			Sapling Medium		3.7	35	Unspecified	N/A		Cut in 1999.	
	Canopy Species	% Cover	Size Class	DBH	Age							
	Tamarack	10	Pole	6	22							
	Quaking Aspen	5	Pole	5								
	Balsam Fir	25	Sapling/Pole	4								
	Black Spruce	60	Sapling	3	35							



Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
<b>135</b>	6129 - Mixed Coniferous Lowland Forest		Sawtimber Well		26.5	107	111-140	N/A		This stand features cedar with a mix of other species scattered throughout, and is located on a slightly rolling, transitional site. It was previously classified as an unevenaged stand, and evidence of both the size-class and age diversity typical of cedar stands is present; an estimate of the average age of the cedar is given here.	
Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	40	Log/Pole	10	107				Balsam Fir	High	Variable	Sapling
Hemlock	5	Log/Pole	10					Tag Alder	Low	Variable	Tall Shrub
Yellow Birch	5	Log/Pole	12					Red Maple	High	Variable	Sapling
Balsam Fir	5	Log/Pole	10								
Black Spruce	40	Pole/Sapling	5								
Red Maple	5	Pole	9								