



# Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33052

Entry Year 2018

Acreage: 2,727

County Menominee

Management Area: Green Bay Lake Plain

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**Revision Date:** 2016-06-24

**Stand Examiner:** Dustin Salter

**Legal Description:**

T35N R25W Sections 5, 6, 7, and 8

T35N R26W Sections 1 and 12

**Identified Planning Goals:**

The majority of this compartment contains upland cover types. With the dominant ones being: aspen, spruce/fir, red and sugar maple, and pine. The lowland areas are predominantly ash and lowland brush. The Spruce Budworm is present within the compartment and has caused some decline/die back. The Emerald Ash Borer is moving closer to Menominee County, so the percentage of merchantable/mature ash needs to be lowered to prevent a significant loss of timber products.

The aspen stands within the compartment are being managed on a 40 year rotation, per the GEMS plan. Starting in 2017 and continuing every 5 years a portion of the aspen will be harvested, to continually provide multiple age classes in close proximity to one another. This is to improve ruffed grouse habitat. A number of mature red maple and ash stands are being harvested and regenerated, via stump sprouting. There are also some ridges and stands of natural pine, that are being harvested.

**Soil and topography:**

The primary soil series in the compartment are: Deford-Wainola-Rousseau Complex; Lupton-Tawas association; Tawas-Deford complex; Rousseau fine sand; and Onaway fine sandy loam; Wainola-fine sand. The lowland areas of this compartment are comprised mainly of poorly drained black muck over fine sand and sandy loam. The upland areas have some rolling terrain that is well drained. These upland areas are primarily sandy loam and fine sand over fine sandy loam and fine sand.

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

There is no private property within the compartment boundaries. The majority of the compartment is surrounded by state land; except for the northwest portion. This area is primarily forest land with some camps on it. The primary use of this area is recreational, including hunting, fishing, trapping, and orv'ing. There is some farm land to the west of the compartment.

**Unique Natural Features:**

None.

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

None Known

**Special Management Designations or Considerations:**

This compartment is a Grouse Enhanced Management Site (GEM). This site is being developed to promote ruffed grouse habitat and hunting opportunities.

**Watershed and Fisheries Considerations:**

The Elwood Creek flows west to east through the west and center portions of the compartment and eventually into the Cedar River. This creek provides some fishing opportunities.

**Wildlife Habitat Considerations:**

This compartment was expanded this entry year to correlate with the Cedar River Grouse Enhanced Management Site (GEMS) boundary. The Cedar River GEMS is currently being developed to promote ruffed grouse hunting opportunities and showcase optimal grouse habitat management practices for educational purposes. This area is predominantly upland aspen, northern hardwood, balsam fir, and pine forest. Aspen stands will be managed in small blocks to encourage multiple age classes in close proximity to one another. Efforts will be made to maintain species diversity by leaving cedar,

hemlock, and other underrepresented species. Pockets of retention will occur near stand intersections with 2 or more adjacent stands to enhance budding and roosting habitat. In addition, a network of parking areas and hunter walking trails will be maintained to offer a unique walk-in experience. Overall, this compartment will be managed for early successional aspen habitats, thus benefiting upland game birds and other wildlife such as bear, deer, and turkey.

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

There are no open gravel pits, but there is an active sand pit along the Camp "O" Road.

### **Vehicle Access:**

The main access roads into the compartment are the Westman Dam Road, the Camp "O" Road, and the Elwood Creek Road. The Westman Dam Road is a county gravel road that runs north/south through the center of the compartment. The Camp "O" Road and the Elwood Creek roads are DNR maintained roads. They both branch off of the Westman Dam Road and run through the eastern half of the compartment. There are a number of two-track roads that branch off of the three main roads, that provide access into the majority of the compartment. A high percentage of the two-track roads that lead off from the Westman Dam Road have been gated off, to provide hunter walking trails for grouse hunting.

### **Survey Needs:**

Two registered corners will need to be set, to prepare a timber sale.

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

The Forest Island Orv Trail/route runs on the Westman Dam Road, Camp "O" Road, and the Elwood Creek Road. The primary use of this area is recreation.

### **Fire Protection:**

The upland portions of this compartment are well broken up, by lowland cover types and drains. The majority of the upland stands are predominantly deciduous cover types, but in the spring they can become extremely dried out, creating high fire danger conditions. Access is good throughout the compartment. The Elwood Creek and the Westman Lake/Walton River south of the compartment provide good water access points.

### **Additional Compartment Information:**

There are some pockets of phragmites present in the compartment, these areas along with any other areas identified maybe treated at any time during this inventory cycle.

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

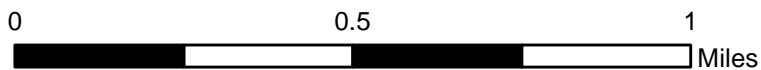
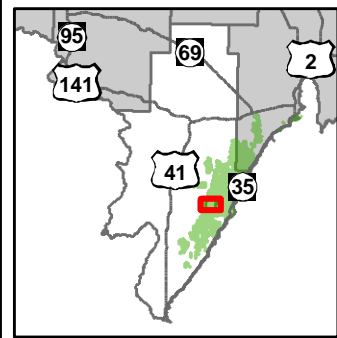
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

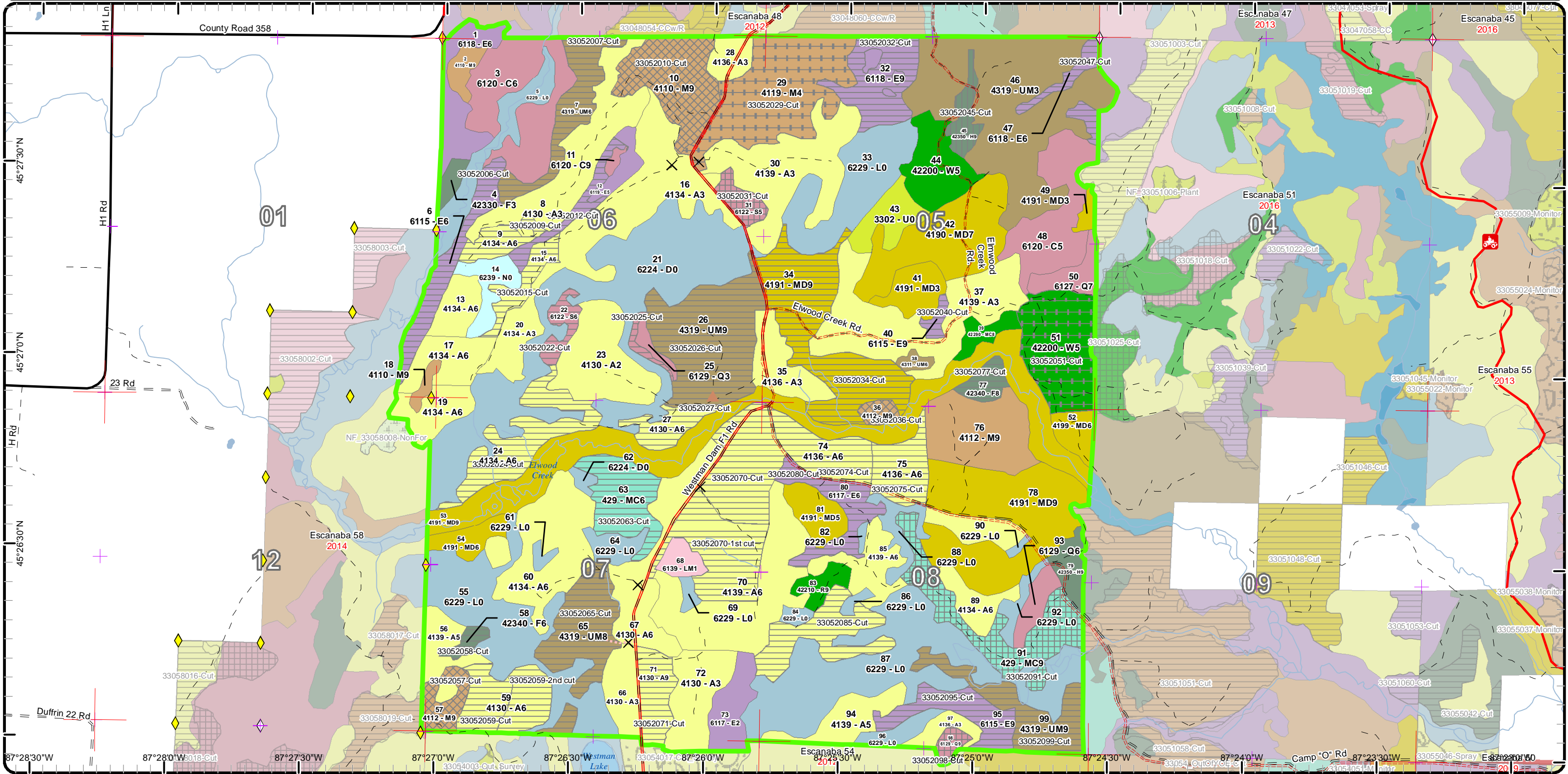
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 52  
 T35N R25W Sec. 05-08  
 County: Menominee  
 Unit: Escanaba  
 Mgmt Area: Green Bay Lake Plain  
 YOE: 2018  
 Acres: 2727 GIS Calculated  
 Examiner: Dustin Salter  
 Map Revised: 6/28/2016  
 Map Phase: Web-Post

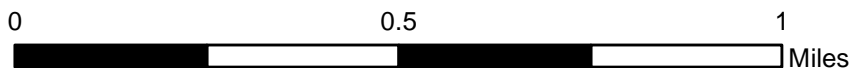
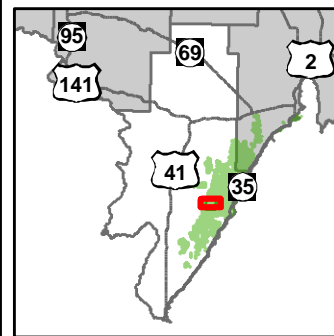


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- X Gate
- ▲ Berms
- Designated ATV Trails
- - - Designated ORV Route
- County Paved Roads
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- - - Poor Dirt Roads
- - - Closed Roads
- Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Shelter Wood (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
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- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

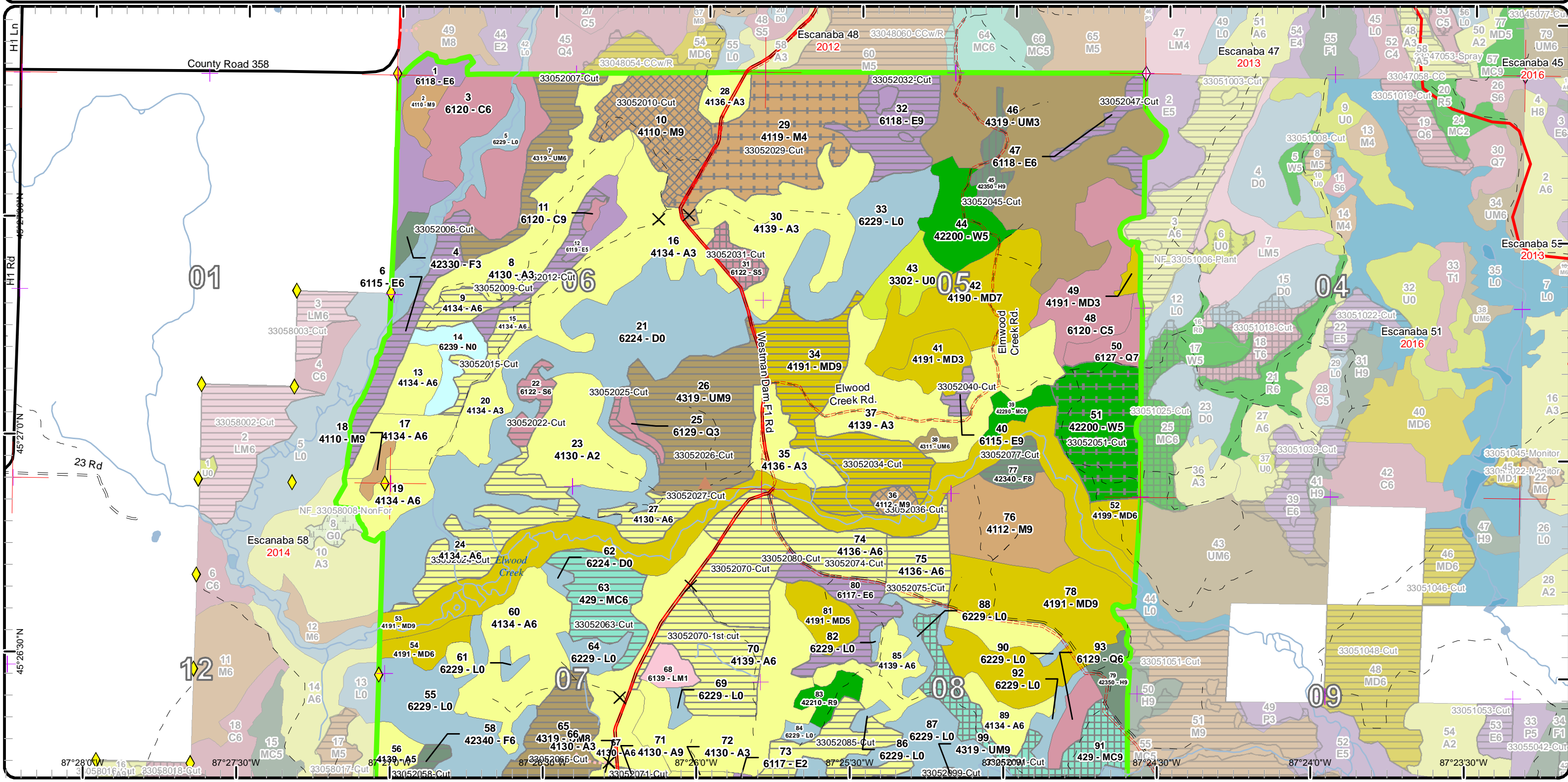


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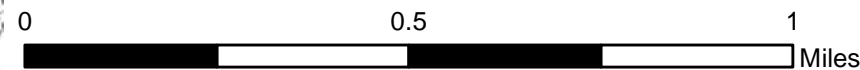
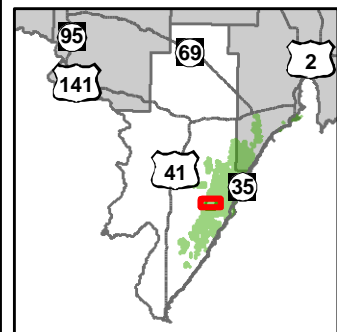


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# Stand Boundary Map

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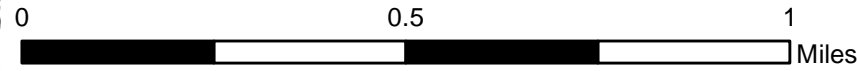
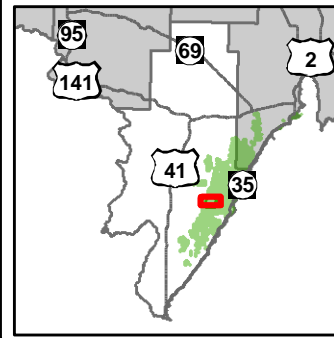


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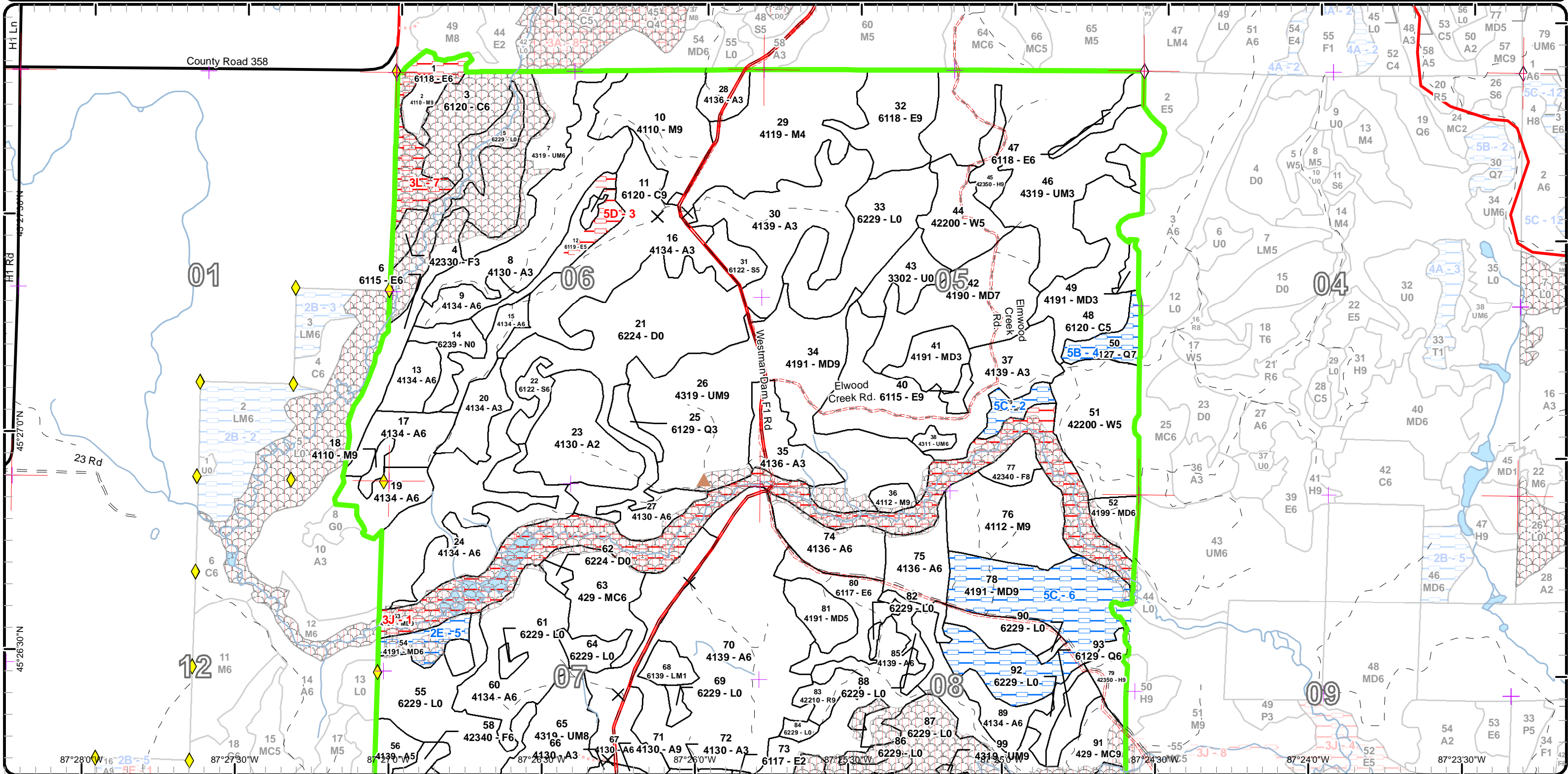


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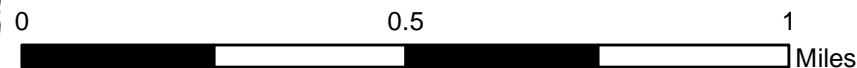
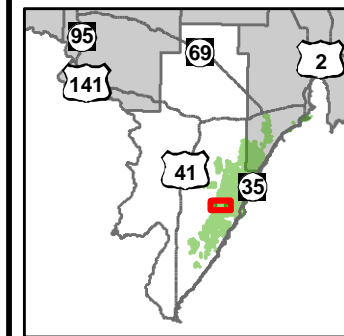


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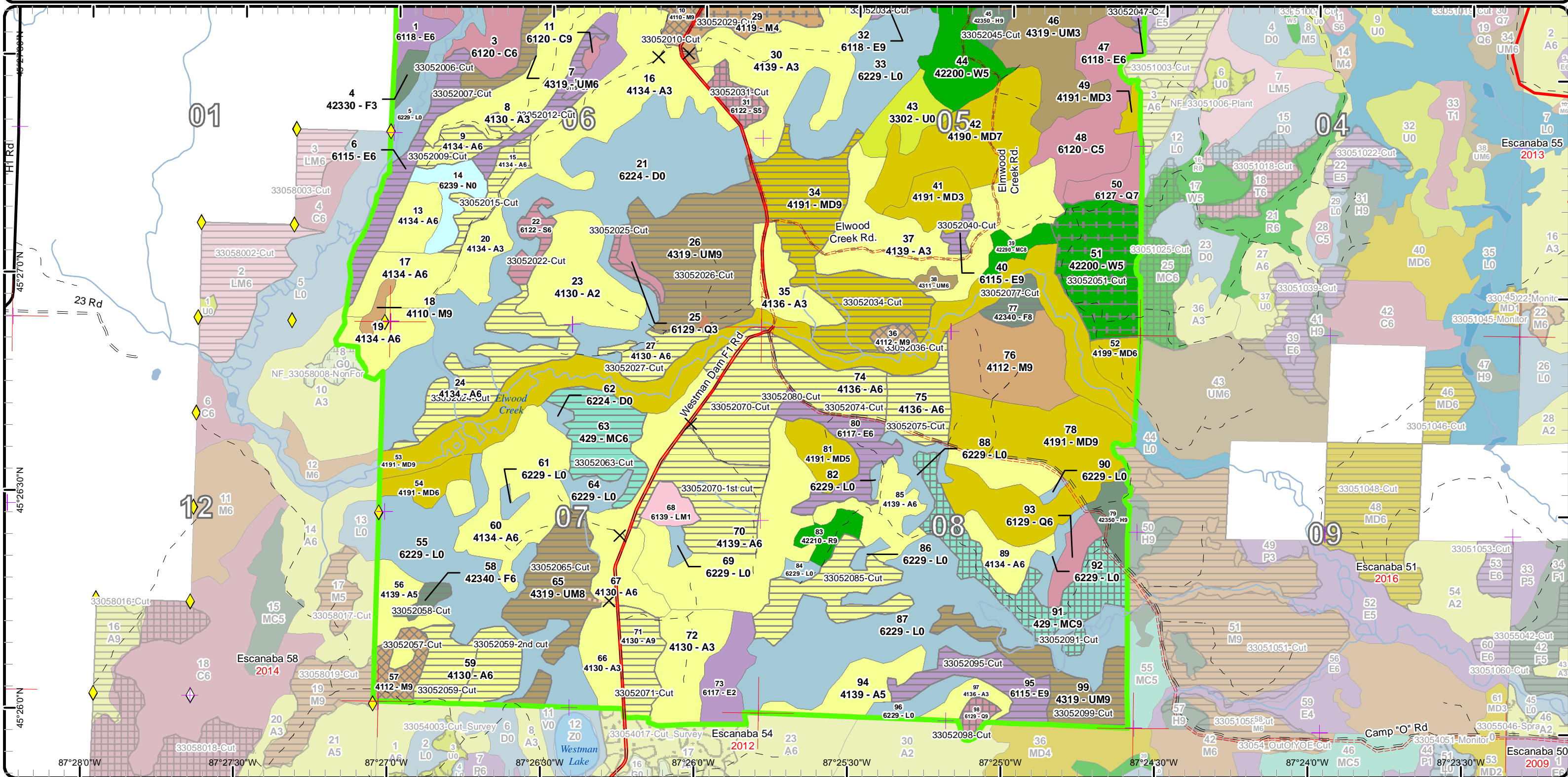


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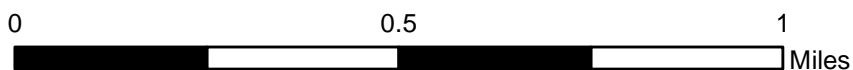
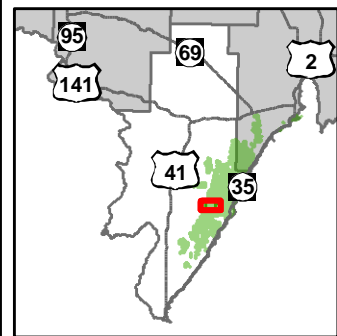
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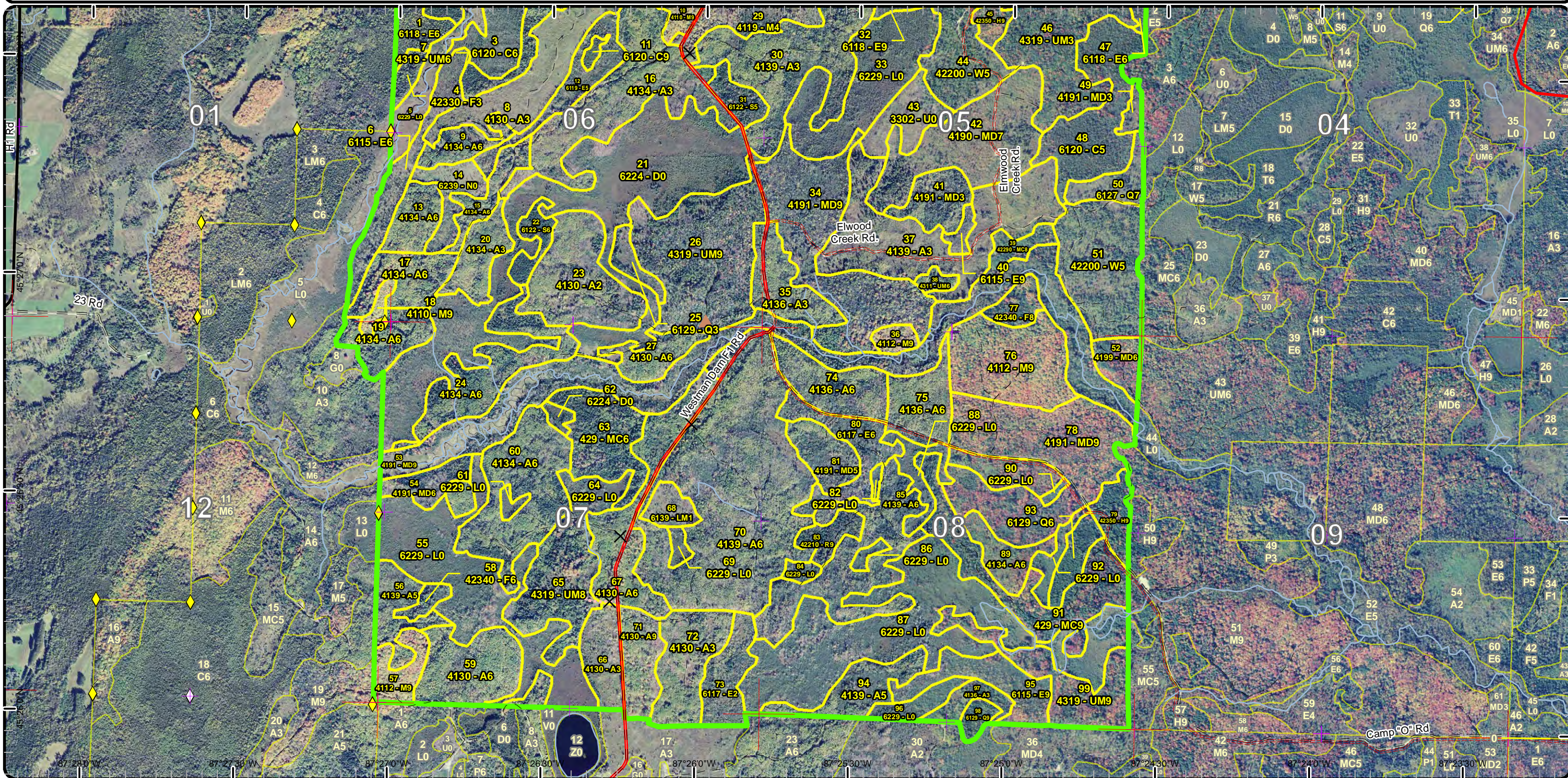
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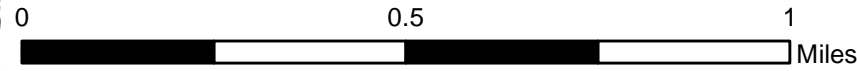
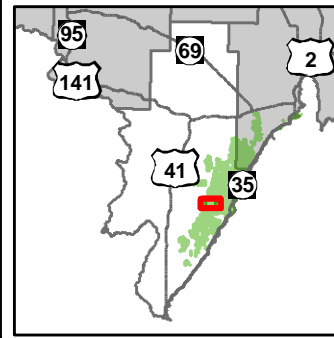
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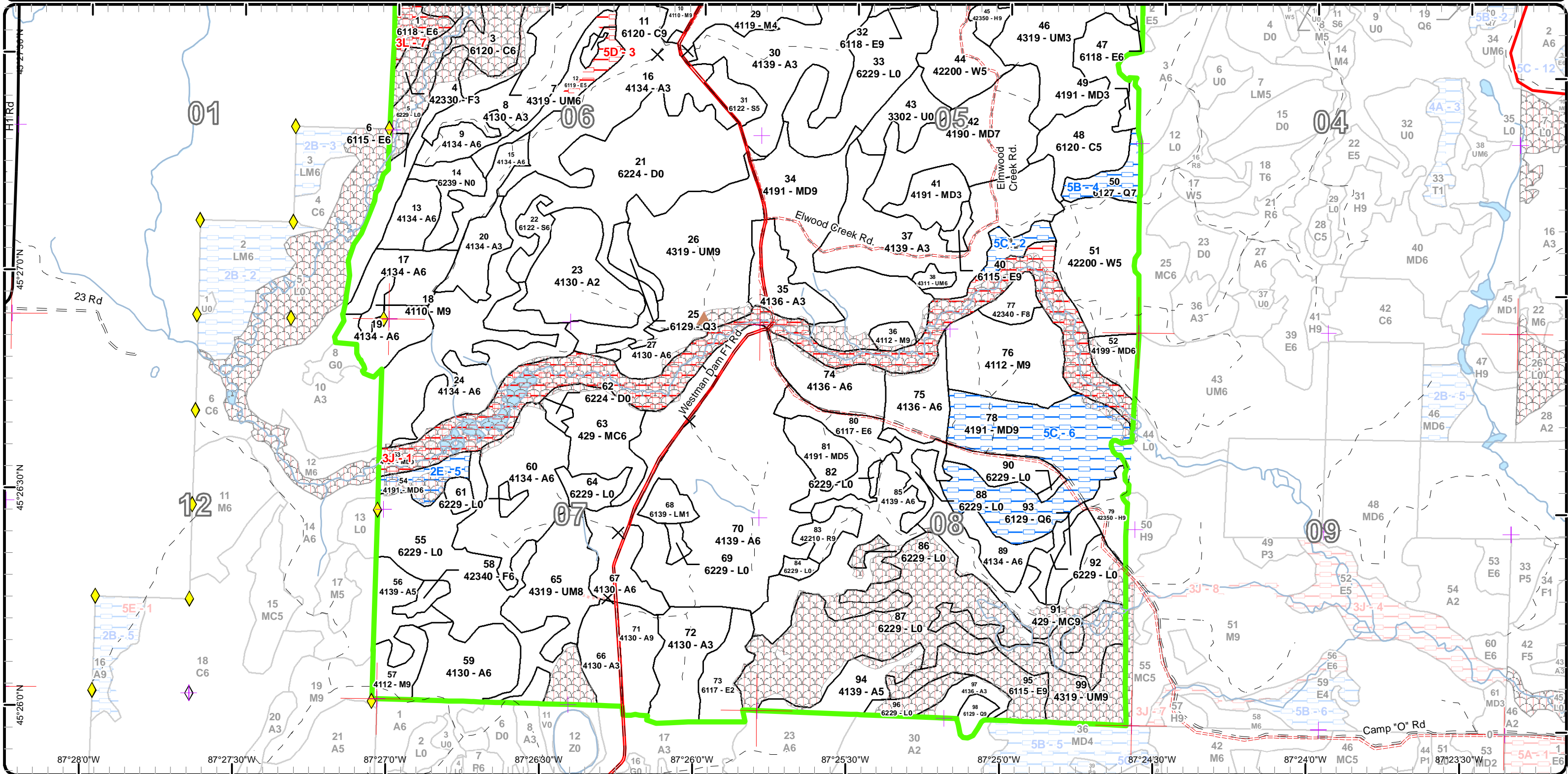


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	144	109	229	272	151	17	0	0	0	0	0	0	0	0	0	0	0	922
Cedar	0	0	0	0	0	0	0	0	0	0	52	41	0	0	0	0	0	0	93
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0	0	20
Low-Density Trees	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Conifers	0	0	7	0	10	0	0	5	0	0	11	0	0	0	0	0	0	0	32
Lowland Deciduous	0	0	0	18	0	0	0	18	66	69	0	0	0	0	0	0	0	0	171
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
Lowland Shrub	294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294
Lowland Spruce/Fir	0	0	0	0	0	0	0	8	8	0	0	0	0	0	0	0	0	0	16
Marsh	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Mixed Upland Deciduous	0	3	0	29	0	10	0	0	197	121	0	0	0	0	0	0	0	0	360
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	4	111	58	7	0	0	0	0	0	0	0	179
Red Pine	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Treed Bog	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
Upland Conifers	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	0	30	73
Upland Mixed Forest	0	0	116	3	0	27	0	39	0	97	0	0	0	0	0	0	0	0	281
Upland Spruce/Fir	0	0	0	5	0	0	0	4	0	8	0	0	0	0	0	0	0	0	17
White Pine	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	72
<b>Total</b>	<b>463</b>	<b>147</b>	<b>232</b>	<b>284</b>	<b>272</b>	<b>198</b>	<b>89</b>	<b>43</b>	<b>43</b>	<b>530</b>	<b>248</b>	<b>78</b>	<b>41</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>38</b>	<b>2723</b>



## Report 2 – Treatment Summary

Escanaba Mgt. Unit  
Year of Entry: 2018

Acres of Harvest

Compartment 52  
Total Compartment Acres: 2,727

Commercial Harvest - 910  
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	269	0	0	0	0	0	0	0	0	269
Hemlock	0	0	0	0	10	0	0	0	0	10
Lowland Conifers	3	0	0	5	0	0	0	0	0	8
Lowland Deciduous	120	0	0	0	0	0	0	0	0	120
Lowland Spruce/Fir	8	0	0	8	0	0	0	0	0	17
Mixed Upland Deciduous	68	0	0	0	0	0	0	0	0	68
Northern Hardwood	0	58	0	0	0	0	68	0	0	126
Upland Conifers	30	0	0	43	0	0	0	0	0	72
Upland Mixed Forest	162	0	0	0	0	0	0	0	0	162
Upland Spruce/Fir	13	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	0	0	0	46	0	0	46
<b>Total</b>	<b>673</b>	<b>58</b>	<b>0</b>	<b>56</b>	<b>10</b>	<b>0</b>	<b>114</b>	<b>0</b>	<b>0</b>	<b>910</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	910	0	0	0	0	0	0	0	0	910
Next Step	0	0	0	0	0	0	910	0	0	910
<b>Total</b>	<b>910</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>910</b>	<b>0</b>	<b>0</b>	<b>1820</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	Approval Status
6	33052006-Cut	22.8	6115 - Lowland Ash	Poletimber Well	85	81-110	Harvest	Clearcut	6115 - Lowland Ash	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention is being left.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Ash, balm, balsam fir, spruce, and cedar											
<u>Other Comment:</u> Mature lowland ash stand.											
<u>Proposed Start Date:</u> 10/01/2017											
7	33052007-Cut	27.0	4319 - Mixed Upland Forest	Poletimber Well	41	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Two-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches; except retain the dense patches of cedar.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen, balsam fir, spruce, birch, and cedar.											
<u>Other Comment:</u> This stand had the short lived species cut out of it in the 1970's and all of the cedar was retained. The stand is a mix of younger aspen and balsam fir and mature cedar.											
<u>Proposed Start Date:</u> 10/01/2017											
9	33052009-Cut	10.9	4134 - Aspen, Spruce/Fir	Poletimber Well	42	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention is being left due to small stand size.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen, balm, and spruce/fir.											
<u>Other Comment:</u> This stand varies in age from 28 to 42. This stand is scheduled to be harvested in 2022 as part of the GEM plan.											
<u>Proposed Start Date:</u> 10/01/2021											
10	33052010-Cut	41.4	4110 - Sugar Maple Association	Sawtimber Well	92	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin stand down to 80 to 90 basal area. Also, cut all aspen, balsam fir, and ironwood greater than 3" inches.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Sugar maple, basswood, beech, and ash.											
<u>Other Comment:</u> Stand was thinned in 1994 on contract 025-93-01. High quality sugar maple stand that is in need of another thinning. There is a dense understory of beech and ironwood saplings throughout the stand. No evidence of beech bark disease in the stand. The percentage of ash and beech within the stand should be lowered, because of forest health concerns.											
<u>Proposed Start Date:</u> 10/01/2017											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
12	33052012-Cut	10.2	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	78	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees greater than 3" inches. The retention for the stand will be the portion of the stand not being harvested.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, balm, birch, ash, and spruce/fir.

Regen:

Other This stand is a mix of merchantable wood, areas of regeneration, and areas of lowland brush. The areas with the mature wood will be harvested.

Comment:

Proposed Start Date: 10/01/2017

15	33052015-Cut	11.6	4134 - Aspen, Spruce/Fir	Poletimber Well	44	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees greater than 3" inches. No retention is being left due to small stand size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, maple, and spruce/fir.

Regen:

Other Good quality aspen stand with a dense understory of red maple saplings.

Comment:

Proposed Start Date: 10/01/2016

22	33052022-Cut	8.1	6122 - Black Spruce	Poletimber Well	82	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees greater than 3" inches. No retention will be left due to the small stand size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce, tamarack, white pine, and aspen.

Regen:

Other Mature lower quality black spruce stand, that has become stagnant.

Comment:

Proposed Start Date: 10/01/2016

24	33052024-Cut	35.0	4134 - Aspen, Spruce/Fir	Poletimber Well	36	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees greater than 3" inches. No retention is being retained, due to the presence of the budworm and to maximize aspen regeneration.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, maple, and spruce/fir.

Regen:

Other Stand was clearcut in 1980 on contract 22-79A. Overall the stand is upland, but there are a few drains that run through it North to South. The spruce budworm is present and has caused some minor defoliation.

Comment:

Proposed Start Date: 10/01/2016



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
25	33052025-Cut	2.9	6129 - Mixed Coniferous Lowland Forest	Sapling Well	13	1-50	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention is being left, due to small harvest area.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Spruce, white pine, and maple.											
<u>Regen:</u>											
<u>Other</u> Stand was clearcut in 2002 on contract 035-98-01. A strip about 30' to 50' was retained to provide a seed source along the west edge of the stand.											
<u>Comment:</u> The harvested portion is fully stocked, so the un-harvested strip can be harvested now. About 15% of the spruce is pole sized and 10% of the white pine is pole or log sized.											
<u>Proposed Start Date:</u> 10/01/2017											
26	33052026-Cut	65.8	4319 - Mixed Upland Forest	Sawtimber Well	86	51-80	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches; except mark to retain some scattered white and red pine for seed and diversity.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Aspen, maple, birch, white pine, red pine, and spruce/fir.											
<u>Regen:</u>											
<u>Other</u> Stand was cut in 2002 on contract 035-98-01. All aspen, birch, balsam fir, and spruce were cut. The stand now has mature red maple, white pine, and red pine in the overstory and a dense understory of primarily aspen, white pine, and red maple. The understory needs to be released, before it becomes stunted.											
<u>Proposed Start Date:</u> 10/01/2017											
27	33052027-Cut	12.5	4130 - Aspen	Poletimber Well	36	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention is being left, to maximize the aspen regeneration.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Aspen and red maple.											
<u>Regen:</u>											
<u>Other</u> Stand was clearcut in 1980 on contract 22-79A. Good quality aspen stand with lots of sub-merchantable red maple saplings. Per the GEM plan, harvest this stand in 2022.											
<u>Proposed Start Date:</u> 10/01/2021											
29	33052029-Cut	68.1	4119 - Mixed Northern Hardwoods	Poletimber Poor	84	1-50	Harvest	Overstory Removal	4113 - R.Maple, Conifer	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all hardwood trees greater than 4" inches and all conifers greater than 7" inches. In addition, also mark some pine, cedar, and hemlock to retain.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Maple, birch, aspen, ash, spruce/fir, pine, and hemlock.											
<u>Regen:</u>											
<u>Other</u> Stand was shelterwood cut between 2009 and 2011 on contract 039-08-01. All cedar, hemlock, yellow birch, and beech were retained along with a mix of other species. This stand is two-aged, mature overstory of primarily maple and ash and an understory of maple and mixed conifer. The overstory should be harvested to allow the maple and ash to stump sprout as well.											
<u>Proposed Start Date:</u> 10/01/2017											



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	Approval Status
31	33052031-Cut	8.4	6122 - Black Spruce	Polett Medium	78	51-80	Harvest	Seed Tree	612 - Lowland Coniferous Forest	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Cut all trees greater than 3" inches; except mark some black spruce and white pine seed trees.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce, tamarack, pine, maple, and birch.

Regen:

Other Variable aged lowland conifer stand, that is ready to be harvested.

Comment:

Proposed Start Date: 10/01/2017

32	33052032-Cut	29.6	6118 - Lowland Deciduous with Cedar	Sawtimber Well	88	111- 140	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees greater than 3" inches; except retain three retention pockets. The three retention pockets have been approximately delineated out. The  
Specs: pockets may vary a little in size and/or location. The pocket on the west side is delineating a dense pocket of hemlock and the two on the east side are delineating out some dense pockets of cedar.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, birch, aspen, ash, spruce/fir, cedar, and hemlock.

Regen:

Other Mature lowland hardwood stand, that has a dense pocket of hemlock on the west side of the stand. There are also a couple of dense pockets of  
Comment: cedar on the east side of the stand. Overall the stand is low, but there are a number of upland knobs. There is quite a bit of cedar blown down. Harvest this stand before EAB arrives.

Proposed Start Date: 10/01/2017

34	33052034-Cut	68.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	92	81-110	Harvest	Clearcut with Retention	4113 - R.Maple, Conifer	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees greater than 3" inches; except retain a buffer along the creek. Also, mark to retain some pine, hemlock, and cedar trees/pockets where  
Specs: available.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, aspen, birch, ash, spruce/fir, pine, hemlock, and cedar.

Regen:

Other Mature good quality red maple stand, with a wide variety of species mixed in. There are some ash drains within the stand as well. Throughout most  
Comment: of the stand there is conifer regeneration. There is a small creek that flows through the southwestern part of the stand, that will need to be buffered.

Proposed Start Date: 10/01/2017

36	33052036-Cut	4.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	92	141- 170	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand down to 80 to 90 basal area.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Sugar and red maple.

Regen:

Other Small high quality sugar maple stand that is in need of a thinning.

Comment:

Proposed Start Date: 10/01/2017



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
40	33052040-Cut	3.5	6115 - Lowland Ash	Sawtimber Well	92	81-110	Harvest	Clearcut	6115 - Lowland Ash	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention is being left due to small stand size.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Ash, maple, and spruce/fir.											
<u>Other Comment:</u> Good quality mature ash stand. Harvest the stand before EAB arrives.											
<u>Proposed Start Date:</u> 10/01/2017											
45	33052045-Cut	9.6	42350 - Upland Hemlock	Sawtimber Well	159	141-170	Harvest	Shelterwood with Retention	4312 - Hemlock, Mixed Deciduous	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all species greater than 3" inches; except retain some pine seed trees. Also, only cut hemlock less than 10" inches. By only cutting the smaller diameter hemlock this will retain the dense areas of hemlock as cover, but will allow the other species to be harvested. Some openings will occur, that will allow more hemlock to regenerate.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Hemlock, spruce/fir, pine, maple, and birch.											
<u>Other Comment:</u> Hemlock stand with a mix of other species. The shorter lived species are mature and ready to be harvested. In some open areas there is some hemlock regeneration present.											
<u>Proposed Start Date:</u> 10/01/2017											
47	33052047-Cut	10.9	6118 - Lowland Deciduous with Cedar	Poletimber Well	88	51-80	Harvest	Clearcut with Retention	6118 - Lowland Deciduous with Cedar	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches; except retain the good quality cedar patches and the other species within them.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Maple, birch, ash, spruce/fir, and cedar.											
<u>Other Comment:</u> Mature lowland ash stand with pockets of cedar. This stand should be harvested before EAB arrives.											
<u>Proposed Start Date:</u> 10/01/2017											
51	33052051-Cut	45.9	42200 - Natural White Pine	Poletimber Medium	51	51-80	Harvest	Overstory Removal	4133 - Aspen, Mixed Pine	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches; except mark to retain some pine.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen, red maple, spruce/fir, and pine.											
<u>Other Comment:</u> Stand was cut in 2011 on contract 037-08-01. Red and white pine less than 10" inches was retained. Two aged stand with an overstory of pine ranging from 30 to 65 years old and young aspen and red maple in the understory. The residual pine overall is low quality( short, poor form, small crowns) and should be cut to maximize the aspen and maple regeneration.											
<u>Proposed Start Date:</u> 10/01/2017											





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	Approval Status
57	33052057-Cut	11.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	92	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin stand down to 80 to 90 basal area. Also, cut all merchantable aspen, balm, and balsam fir.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Sugar maple, basswood, ash, red maple, and birch.											
<u>Other Comment:</u> Stand was last thinned in 1988 on contract 056-88-01. Stand is good quality hardwood with a high percentage of ash and beech. The percentage of ash and beech should be lowered, prior to the emerald ash borer and beech bark disease arrives. There is a thick understory of ironwood, ash, and beech.											
<u>Proposed Start Date:</u> 10/01/2017											
58	33052058-Cut	4.3	42340 - Upland Spruce/Fir	Poletimber Well	66	51-80	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention will be left, due to small stand size, over mature aspen, and spruce budworm. Harvest the stand during dormancy, to maximize aspen sprouting.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen, balsam fir, spruce, birch, and balm.											
<u>Other Comment:</u> Over mature aspen and balsam fir stand. A significant portion of the aspen has died out. The spruce budworm is present, but not much defoliation at this time.											
<u>Proposed Start Date:</u> 10/01/2016											
59	33052059-2nd cut	15.2	4130 - Aspen	Poletimber Well	40	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention will be left.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen, red maple, balsam fir, and spruce.											
<u>Other Comment:</u> Good quality aspen stand. Half of the stand will be harvested in 2017 and the other half in 2022, per the GEM plan.											
<u>Proposed Start Date:</u> 10/01/2021											
59	33052059-Cut	15.3	4130 - Aspen	Poletimber Well	40	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees greater than 3" inches. No retention will be left.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen, red maple, balsam fir, and spruce.											
<u>Other Comment:</u> Good quality aspen stand. Half of the stand will be harvested in 2017 and the other half in 2022, per the GEM plan.											
<u>Proposed Start Date:</u> 10/01/2016											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
63	33052063-Cut	29.6	429 - Mixed Upland Conifers	Poletimber Well	46	51-80	Harvest	Clearcut with Retention	4311 - Pine, Aspen Mix	Even-Aged	Proposal

**Habitat Cut:** No      **Site Condition:**

Prescription Cut all hardwood and aspen greater than 3" inches and all conifers greater than 4" inches; except mark some mature pine and black spruce to retain.  
Specs:

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

Acceptable Regen: Aspen, maple, pine, spruce, and balsam fir.

Other Comment: Overall the stand is a low quality white pine stand with some mature hardwood, spruce, and pine. The white pine is poor formed. If the stand is harvested soon, the aspen component can be expanded.

Proposed Start Date: 10/01/2017

65	33052065-Cut	38.9	4319 - Mixed Upland Forest	Sawtimber Medium	66	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Proposal
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**Habitat Cut:** No      **Site Condition:**

Prescription Cut all trees greater than 3" inches.  
Specs:

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

Acceptable Regen: Spruce/fir, aspen, maple, birch, and pine. Some open areas will also be acceptable. Wildlife will possibly do maintenance.

Other Comment: Stand was cut in 1993 on contract 056-88-01. There is a lot of mature stems throughout, with some spruce/fir regeneration filling in in the open areas. About a 5 acre part of this stand in the northern portion, was scarified in 2001 with a disk and direct seeded with red pine. This area was then planted with white spruce in 2007. The stand has a high component of spruce/fir and the spruce budworm is present.

Proposed Start Date: 10/01/2017

70	33052070-1st cut	38.2	4139 - Aspen, Mixed Deciduous	Poletimber Well	36	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut:** No      **Site Condition:**

Prescription Cut all trees greater than 3" inches. Retain 3% of the stand, in patches. Include conifer where possible. If the approved ORV trail along the Westman Dam Road is established prior to the sale being prepared use specs to protect the trail.  
Specs:

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

Acceptable Regen: Aspen, red maple, ash, spruce/fir, and white pine.

Other Comment: This stand is variable in its stocking of aspen. The north and west portions of the stand have high ground with good quality aspen. The south and east portions are lower and have a higher percentage of red maple. There are also numerous pockets of lowland brush throughout. Per the GEM plan, the stand will be cut in 4 parts. Starting in 2017, then 2022, 2027, and 2032.

Proposed Start Date: 10/01/2016

70	33052070-Cut	39.5	4139 - Aspen, Mixed Deciduous	Poletimber Well	36	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut:** No      **Site Condition:**

Prescription Cut all trees greater than 3" inches. Retain 3% of the stand, in patches. Include conifer where possible. If the approved ORV trail along the Westman Dam Road is established prior to the sale being prepared use specs to protect the trail.  
Specs:

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

Acceptable Regen: Aspen, red maple, ash, spruce/fir, and white pine.

Other Comment: This stand is variable in its stocking of aspen. The north and west portions of the stand have high ground with good quality aspen. The south and east portions are lower and have a higher percentage of red maple. There are also numerous pockets of lowland brush throughout. Per the GEM plan, the stand will be cut in 4 parts. Starting in 2017, then 2022, 2027, and 2032.

Proposed Start Date: 10/01/2021



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	Approval Status
71	33052071-Cut	17.3	4130 - Aspen	Sawtimber Well	58	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal

**Habitat Cut: No Site Condition:**

Prescription Cut all trees greater than 3" inches. Retain 3% of the stand, in patches. Include conifer where possible. If the approved ORV trail along the Westman Dam Road is established prior to the sale being prepared use specs to protect the trail.

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

Acceptable Aspen, red maple, and birch.  
Regen:

Other High quality mature aspen stand with a dense understory of red maple saplings. Per GEM plan, this stand will be harvested in 2017.  
Comment:

Proposed Start Date: 10/01/2016

74	33052074-Cut	23.6	4136 - Aspen, Mixed Conifer	Poetimber Well	40	51-80	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Cut all trees greater than 3" inches, except leave the dense clumps of cedar.  
Specs:

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

Acceptable Aspen, maple, balm, birch, ash, and spruce/fir.  
Regen:

Other Stand is a 50/50 mix of upland and lowland. The upland areas are primarily aspen and balsam fir and the lowland is a mix of all the species. The lowland area will fill in with aspen after the harvest. Per the GEM plan, harvest this stand in 2017.  
Comment:

Proposed Start Date: 10/01/2016

75	33052075-Cut	20.5	4136 - Aspen, Mixed Conifer	Poetimber Well	35	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Cut all trees greater than 3" inches. No retention will be left.  
Specs:

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

Acceptable Aspen, maple, spruce/fir, and white pine.  
Regen:

Other Good quality aspen stand. Per the GEM plan, harvest this stand in 2022.  
Comment:

Proposed Start Date: 10/01/2021

77	33052077-Cut	8.3	42340 - Upland Spruce/Fir	Sawtimber Medium	82	51-80	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Cut all aspen greater than 4" inches and all other species greater than 3" inches. The advanced aspen regeneration will be the only regeneration.  
Specs:

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

Acceptable Aspen, maple, and spruce/fir.  
Regen:

Other Stand was thinned in 2000 on contract 031-99-01. The hardwood was marked to cut and all of the short lived species were cut, along with all spruce greater than 10 inches. The stand is about half mature balsam fir, spruce, and maple and the other half is aspen regeneration. The residual stems should be harvested prior to the arrival of the spruce budworm and to increase the aspen regeneration.  
Comment:

Proposed Start Date: 10/01/2017



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
80 33052080-Cut	20.9	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	90	81-110	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees greater than 3" inches. No retention will be left due to the small stand size and the threat of the emerald ash borer and spruce budworm.  
Specs:

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

Acceptable Maple, birch, ash, aspen, and spruce/fir.  
Regen:

Other Mature lowland hardwood stand. This stand should be harvested prior to the arrival of the emerald ash borer and the spruce/fir get infested with the  
Comment: spruce budworm.

Proposed Start Date: 10/01/2017

85 33052085-Cut	29.4	4139 - Aspen, Mixed Deciduous	Poletimber Well	40	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees greater than 3" inches. No retention will be left.  
Specs:

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

Acceptable Aspen, balm, maple, ash, birch, and spruce/fir.  
Regen:

Other The stand is a 50/50 mix of upland and lowland. There is quite a bit of older residual maple and ash throughout the stand, especially in the southern  
Comment: portion of the stand. Per the GEM plan, harvest the southern portion of this stand in 2017 and the northern half in 2027.

Proposed Start Date: 10/01/2016

91 33052091-Cut	42.6	429 - Mixed Upland Conifers	Sawtimber Well	89	51-80	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all pine greater than 5" inches. Also, cut all other species greater than 3" inches; except mark some red pine, white pine, and hemlock seed  
Specs: trees. In addition, delineate out all dense patches of hemlock to be retained, including all species within them.

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

Acceptable Pine, hemlock, maple, birch, aspen, ash, and spruce/fir.  
Regen:

Other Stand was shelterwood cut in 2001 on contract 031-99-01. The stand is a mix of mature pine, hemlock, and red maple over a dense understory of  
Comment: primarily white pine and red pine seedlings/saplings. There are also some hemlock seedlings. The understory is in need of release and the pine and hardwood is mature. There is a lowland hardwood pocket on the east side of the stand.

Proposed Start Date: 10/01/2017

95 33052095-Cut	22.5	6115 - Lowland Ash	Sawtimber Well	99	81-110	Harvest	Clearcut	6115 - Lowland Ash	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees greater than 3" inches. No retention will be left due to threat of the emerald ash borer.  
Specs:

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

Acceptable Ash, maple, birch, balm, aspen, cedar, and spruce/fir.  
Regen:

Other Overall good quality ash stand, especially the eastern two-thirds. Overall the stand does not contain much lowland brush, so the ash should  
Comment: regenerate well. Due to the threat of the emerald ash borer the stand should be harvested.

Proposed Start Date: 10/01/2017



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	Approval Status
98	33052098-Cut	4.7	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	79	81-110	Harvest	Seed Tree	612 - Lowland Coniferous Forest	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Cut all trees greater than 3" inches; except mark some spruce, red pine, and white pine seed trees to retain.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce, tamarack, pine, aspen, and maple.

Regen:

Other Good quality mature black spruce stand with a ridge of pine along the south and east sides.

Comment:

Proposed Start Date: 10/01/2017

99	33052099-Cut	30.5	4319 - Mixed Upland Forest	Sawtimber Well	83	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees greater than 3" inches; except mark to retain some pine and cedar throughout the stand for seed and diversity.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Pine, maple, birch, aspen, and spruce/fir.

Regen:

Other Mature hardwood and pine stand with a dense understory of white pine, red pine, and spruce/fir regeneration. The overstory needs to be removed to release the regeneration. There is a drain that separates the main portion of the stand from the long finger.

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment  
Acreage Proposed: 910.0**

## Report 4 – Site Conditions

Escanaba Mgt. Unit  
Dustin Salter : Examiner

Compartment: 52  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2E	5B	5C	3J	3L	5D
922	922	0	0	Aspen						
94	94	0	0	Cedar						
20	20	0	0	Hemlock						
16	16	0	0	Low-Density Trees						
32	21	11	0	Lowland Conifers		11				
171	141	0	30	Lowland Deciduous					22	8
8	8	0	0	Lowland Mixed Forest						
294	294	0	0	Lowland Shrub						
17	17	0	0	Lowland Spruce/Fir						
13	13	0	0	Marsh						
361	164	89	108	Mixed Upland Deciduous	11		78	108		
8	0	8	0	Natural Mixed Pines			8			
179	179	0	0	Northern Hardwood						
8	8	0	0	Red Pine						
140	140	0	0	Treed Bog						
72	72	0	0	Upland Conifers						
282	282	0	0	Upland Mixed Forest						
18	18	0	0	Upland Spruce/Fir						
72	72	0	0	White Pine						
2,726	2,481	107	138	Total Forested Acres	11	11	86	108	22	8
	91%	4%	5%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	108	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
Elwood Creek flows through this stand, with the majority of the stand being the floodplain for the creek.							

## Report 4 – Site Conditions

Escanaba Mgt. Unit  
Dustin Salter : Examiner

Compartment: 52  
Year of Entry: 2018

2	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand is a mix of 21 year old aspen and older mature conifer. Harvest this stand when the aspen has enough merchantable wood to make feasible.							
3	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This portion of the stand doesn't have enough merchantable volume to harvest at this time, but there is some advanced regeneration within this area that will be manageable in the future.							
4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The stand was seed tree cut in 2011, the remaining stems were seed trees and some for diversity.							
5	<b>Available</b>	<b>2E: Road needed</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The best access is through stand 60 into this stand, a road could be built at this time. But, stand 60 is going to be harvested in 10 years per the GEM plan so the stand can hold until that time.							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	80	5T: Contingency Treatment for Forest Health Concerns	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand is mature and ready for harvest, but in this compartment and the adjacent one there will be a lot of harvesting over this 10 period. So, this stand can be held to spread out the age classes. If the emerald ash borer is found in Menominee County this stand should be harvested. If the stand is treated, cut all trees greater than 3" inches; except retain all hemlock and mark some cedar and pine for seed and diversity.							
7	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Wildlife did not want to harvest this stand at this time.							



**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
	Potential Old Growth		<b>SCA Removal</b>	6
<b>Comments</b> Does not meet SCA criteria.				
	Potential Old Growth		<b>SCA Removal</b>	19
<b>Comments</b> Does not meet SCA criteria.				
	Potential Old Growth		<b>SCA Removal</b>	105
<b>Comments</b> Does not meet SCA criteria.				





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

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Escanaba Mgt. Unit		Report 7 – Forested Stands			Compartment: 52 Year of Entry: 2018
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6118 - Lowland Deciduous with Cedar	Poletimber Well	21.9	96	81-110	Lowland hardwood stand with cedar. Overall the cedar is low quality, except within the transition zone with stand 2. Throughout the stand there is a lot of cedar that has blown over.
2	4110 - Sugar Maple Association	Sawtimber Well	6.9	102	81-110	Stand was last thinned in 2010 on contract 039-08-01. The stand was previously thinned in 1991 on contract 049-88-01. Good quality hardwood stand.
3	6120 - Lowland Cedar	Poletimber Well	50.6	105	51-80	This stand is an overall low quality cedar stand, with the only good quality cedar being in the transition zones with the adjacent upland stands.
4	42330 - Upland Fir	Sapling Well	4.9	26	Immature	This stand is a young dense balsam fir stand with some ash and black cherry mixed in. There is some scattered mature cedar and spruce.
6	6115 - Lowland Ash	Poletimber Well	22.8	85	81-110	Mature lowland ash stand.
7	4319 - Mixed Upland Forest	Poletimber Well	27.0	41	81-110	This stand had the short lived species cut out of it in the 1970's and all of the cedar was retained. The stand is a mix of younger aspen and balsam fir and mature cedar.
8	4130 - Aspen	Sapling Well	49.1	6	Immature	Stand was clearcut in 2010 on contract 026-10-01. The tops were chipped. Fully stocked aspen stand, with some residual spruce/fir regeneration. Half of this stand will be harvested in 2047 and the other half in 2052.
9	4134 - Aspen, Spruce/Fir	Poletimber Well	10.9	42	51-80	This stand varies in age from 28 to 42. This stand is scheduled to be harvested in 2022 as part of the GEM plan.
10	4110 - Sugar Maple Association	Sawtimber Well	41.4	92	111-140	Stand was thinned in 1994 on contract 025-93-01. High quality sugar maple stand that is in need of another thinning. There is a dense understory of beech and ironwood saplings throughout the stand. No evidence of beech bark disease in the stand. The percentage of ash and beech within the stand should be lowered, because of forest health concerns.
11	6120 - Lowland Cedar	Sawtimber Well	1.8	105	141-170	Dense stand of moderate quality cedar.
12	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	17.9	78	51-80	This stand is a mix of merchantable wood, areas of regeneration, and areas of lowland brush. The areas with the mature wood will be harvested.
13	4134 - Aspen, Spruce/Fir	Poletimber Well	13.6	28	51-80	Stand was clearcut in 1988 on contract 023-87-01. Stand is primarily a mix of aspen and balsam fir. Per the GEM plan, this stand will be harvested in 2032.
15	4134 - Aspen, Spruce/Fir	Poletimber Well	11.6	44	51-80	Good quality aspen stand with a dense understory of red maple saplings.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4134 - Aspen, Spruce/Fir	Sapling Well	61.1	17	Immature	Stand was clearcut in 1999 on contract 023-98-01. Fully stocked good quality aspen stand with lots of residual balsam fir and spruce. There are also some retention pockets of aspen. Per GEM plan, cut 1/3 of the stand in 2037, another in 2042, and the last one in 2047.
17	4134 - Aspen, Spruce/Fir	Poletimber Well	19.7	28	51-80	Moderate quality aspen and spruce/fir stand. Per GEM plan, cut this stand in 2027.
18	4110 - Sugar Maple Association	Sawtimber Well	3.6	78	111-140	Narrow ridge of low quality hardwood surrounded by young aspen. Cut this stand when stand 17 is harvested.
19	4134 - Aspen, Spruce/Fir	Poletimber Well	16.8	28	51-80	Stand was clearcut in 1988 on contract 023-87-01. Lower quality aspen/fir stand. Per the GEM plan, cut this stand in 2037.
20	4134 - Aspen, Spruce/Fir	Sapling Well	15.5	22	Immature	Stand was clearcut in 1994 on contract 10-93-01. Good quality fully stocked aspen stand with some residual balsam fir. Per the GEM plan, cut this stand in 2037.
22	6122 - Black Spruce	Poletimber Well	8.1	82	81-110	Mature lower quality black spruce stand, that has become stagnant.
23	4130 - Aspen	Sapling Medium	40.1	19	Immature	Stand was clearcut in 1997 on contract 10-93-01. Good quality aspen stand that has numerous lowland pockets scattered throughout. There are two 1 acre retention patches within the stand. Per the GEM plan, half of this stand will be cut in 2042 and the other half in 2047.
24	4134 - Aspen, Spruce/Fir	Poletimber Well	35.0	36	51-80	Stand was clearcut in 1980 on contract 22-79A. Overall the stand is upland, but there are a few drains that run through it North to South. The spruce budworm is present and has caused some minor defoliation.
25	6129 - Mixed Coniferous Lowland Forest	Sapling Well	6.5	13	1-50	Stand was clearcut in 2002 on contract 035-98-01. A strip about 30' to 50' was retained to provide a seed source along the west edge of the stand. The harvested portion is fully stocked, so the un-harvested strip can be harvested now. About 15% of the spruce is pole sized and 10% of the white pine is pole or log sized.
26	4319 - Mixed Upland Forest	Sawtimber Well	65.8	86	51-80	Stand was cut in 2002 on contract 035-98-01. All aspen, birch, balsam fir, and spruce were cut. The stand now has mature red maple, white pine, and red pine in the overstory and a dense understory of primarily aspen, white pine, and red maple. The understory needs to be released, before it becomes stunted.
27	4130 - Aspen	Poletimber Well	12.5	36	51-80	Stand was clearcut in 1980 on contract 22-79A. Good quality aspen stand with lots of sub-merchantable red maple saplings. Per the GEM plan, harvest this stand in 2022.
28	4136 - Aspen, Mixed Conifer	Sapling Well	9.9	7	Immature	Stand was clearcut in 2009 on contract 039-08-01. The cedar, hemlock, beech, and yellow birch were retained. Good quality aspen stand with some advanced balsam fir regeneration.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4119 - Mixed Northern Hardwoods	Poletimber Poor	68.1	84	1-50	Stand was shelterwood cut between 2009 and 2011 on contract 039-08-01. All cedar, hemlock, yellow birch, and beech were retained along with a mix of other species. This stand is two-aged, mature overstory of primarily maple and ash and an understory of maple and mixed conifer. The overstory should be harvested to allow the maple and ash to stump sprout as well.
30	4139 - Aspen, Mixed Deciduous	Sapling Well	56.6	27	51-80	Stand was clearcut in 1989 on contract 33-87-01. Lower quality aspen stand, that gets lower and wetter going east. There are a number of lowland pockets of brush. There are also areas of mature red maple, that must have been too wet to cut at the time. Per GEM plan, 1/3 of the stand should be cut in 2027, 2032, and 2037.
31	6122 - Black Spruce	Poletimber Medium	8.4	78	51-80	Variable aged lowland conifer stand, that is ready to be harvested.
32	6118 - Lowland Deciduous with Cedar	Sawtimber Well	32.5	88	111-140	Mature lowland hardwood stand, that has a dense pocket of hemlock on the west side of the stand. There are also a couple of dense pockets of cedar on the east side of the stand. Overall the stand is low, but there are a number of upland knobs. There is quite a bit of cedar blown down. Harvest this stand before EAB arrives.
34	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	68.0	92	81-110	Mature good quality red maple stand, with a wide variety of species mixed in. There are some ash drains within the stand as well. Throughout most of the stand there is conifer regeneration. There is a small creek that flows through the southwestern part of the stand, that will need to be buffered.
35	4136 - Aspen, Mixed Conifer	Sapling Well	21.3	22	Immature	Stand was clearcut in 1994 on contract 15-93-01. Fully stocked good quality aspen stand.
36	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.7	92	141-170	Small high quality sugar maple stand that is in need of a thinning.
37	4139 - Aspen, Mixed Deciduous	Sapling Well	68.2	6	Immature	Stand was clearcut in 2010 on contract 037-08-01. All species were cut; except the cedar and hemlock were retained. Some pine were also marked to retain. Fully stocked aspen/red maple stand with some residual pine and advanced spruce/fir regeneration. Per GEM plan cut 1/3 of the stand in years 2042, 2047, and 2052.
38	4311 - Pine, Aspen Mix	Poletimber Well	3.1	21	51-80	Stand was cut in 1995 on contract 16-93-01. The aspen and maple were cut and the conifer species were retained. The stand is a 50/50 mix of residual conifers and younger aspen. Per GEM plan, cut this stand in 2037.
39	42290 - Natural Mixed Pine	Sawtimber Medium	7.7	102	51-80	Stand was cut in 1995 on contract 016-93-01. Two-aged stand mature pine, cedar, and spruce/fir over young aspen. Budworm is not present at this time, could harvest stand if it becomes infested. Per the GEM plan, this stand is to be cut in 2037.
40	6115 - Lowland Ash	Sawtimber Well	3.5	92	81-110	Good quality mature ash stand. Harvest the stand before EAB arrives.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	15.4	21	Immature	Stand was clearcut in 1995 on contract 016-93-01. The stand has the highest percentage of aspen, but there are many different species that have regenerated. There is a dense pocket of cedar and ash in the center of the stand. Per the GEM plan, this stand is scheduled to be cut in 2037.
42	4190 - Mixed Upland Deciduous with Cedar	Sawtimber Poor	52.7	90	1-50	Stand was shelterwood cut in 2010 on contract 037-08-01. All cedar, hemlock, yellow birch, beech, and sub-merchantable ash were retained. Also some maple, ash, and pine were marked to retain. About 15 basal area of residual was retained. There isn't enough volume in the overstory to harvest. The stand has fully regenerated with a mix of hardwood and aspen.
44	42200 - Natural White Pine	Poletimber Medium	26.2	52	1-50	Stand was cut in 2011 on contract 037-08-01. All cedar, hemlock, yellow birch, beech, and red and white pine less than 10" inches was retained. This stand is two aged, with a mix of pole and sapling pine and an understory of aspen and red maple. There is a lot of advanced pine and spruce/fir regeneration throughout the stand. Per GEM plan, this stand is
45	42350 - Upland Hemlock	Sawtimber Well	9.6	159	141-170	Hemlock stand with a mix of other species. The shorter lived species are mature and ready to be harvested. In some open areas there is some hemlock regeneration present.
46	4319 - Mixed Upland Forest	Sapling Well	116.4	18	Immature	Stand was cut between 1994 and 1999 on contract 042-93-01. All cedar and hemlock was retained, along with all pine less than 14" inches. This stand is a mix of upland and lowland, with the northern 2/3rds being primarily upland and the southern 1/3rd being mostly lowland. There are also a number of narrow drains running through the stand. There are also some dense pockets of residual hemlock and cedar. The stand has a mix of regeneration, but is fully stocked. There is some phragmites in the center of the stand.
47	6118 - Lowland Deciduous with Cedar	Poletimber Well	10.9	88	51-80	Mature lowland ash stand with pockets of cedar. This stand should be harvested before EAB arrives.
48	6120 - Lowland Cedar	Poletimber Medium	41.4	113	51-80	Overall low quality cedar stand with some scattered other species. There is a dense understory of lowland brush.
49	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	3.4	5	Immature	Stand was clearcut in 2011 on contract 037-08-01. The cedar and pine were retained. Fully stocked aspen and maple stand.
50	6127 - Lowland Pine	Sawtimber Poor	11.1	102	1-50	Stand was cut in 2011 on contract 037-08-01. The cedar, hemlock, pine, and some tamarack and spruce seed trees were retained. The stand is regenerating very well, the stand has a full stocking of tamarack, spruce, white pine, and maple regeneration.
51	42200 - Natural White Pine	Poletimber Medium	45.9	51	51-80	Stand was cut in 2011 on contract 037-08-01. Red and white pine less than 10" inches was retained. Two aged stand with an overstory of pine ranging from 30 to 65 years old and young aspen and red maple in the understory. The residual pine overall is low quality( short, poor form, small crowns) and should be cut to maximize the aspen and maple regeneration.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	4199 - Other Mixed Upland Deciduous	Poletimber Well	10.0	40	51-80	Good quality fully stocked aspen and red maple stand.
53	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	108.4	86	111-140	Elwood Creek and its floodplain. There is a lot of variability in this stand, but overall most of it is heavy to ash, except on the west end where it is open with marsh grass.
54	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.7	81	51-80	Mixed upland hardwood and balsam fir stand, with a dense patch of black spruce on the east end. This stand could be harvested now, but hold 10 years until a portion of stand 60 is harvested. There are a couple of drains that flow through this stand north to south.
56	4139 - Aspen, Mixed Deciduous	Poletimber Medium	16.1	31	51-80	Lower quality aspen stand. The southern half of the stand is primarily upland with better quality aspen and the north half is mostly lowland with lower quality aspen and balm. The stand is not fully stocked. Per the GEM plan, harvest this stand in 2027.
57	4112 - Maple, Beech, Cherry Association	Sawtimber Well	11.8	92	111-140	Stand was last thinned in 1988 on contract 056-88-01. Stand is good quality hardwood with a high percentage of ash and beech. The percentage of ash and beech should be lowered, prior to the emerald ash borer and beech bark disease arrives. There is a thick understory of ironwood, ash, and beech.
58	42340 - Upland Spruce/Fir	Poletimber Well	4.3	66	51-80	Over mature aspen and balsam fir stand. A significant portion of the aspen has died out. The spruce budworm is present, but not much defoliation at this time.
59	4130 - Aspen	Poletimber Well	30.5	40	51-80	Good quality aspen stand. Half of the stand will be harvested in 2017 and the other half in 2022, per the GEM plan.
60	4134 - Aspen, Spruce/Fir	Poletimber Well	51.8	32	Immature	Lower quality aspen stand with many lowland pockets of black spruce. Per GEM plan, harvest the southern half of this stand in 2027(including island) and the north half in 2032. Harvest stand 54 at the same time as the southern half.
63	429 - Mixed Upland Conifers	Poletimber Well	29.6	46	51-80	Overall the stand is a low quality white pine stand with some mature hardwood, spruce, and pine. The white pine is poor formed. If the stand is harvested soon, the aspen component can be expanded.
65	4319 - Mixed Upland Forest	Sawtimber Medium	38.9	66	51-80	Stand was cut in 1993 on contract 056-88-01. There is a lot of mature stems throughout, with some spruce/fir regeneration filling in in the open areas. About a 5 acre part of this stand in the northern portion, was scarified in 2001 with a disk and direct seeded with red pine. This area was then planted with white spruce in 2007. The stand has a high component of spruce/fir and the spruce budworm is present.
66	4130 - Aspen	Sapling Well	16.4	4	Immature	Stand was clearcut in 2012 on contract 003-09-01. Some birch were marked to retain and there are a lot of residual red maple saplings/poles. Good quality aspen stand.
67	4130 - Aspen	Poletimber Well	38.6	23	1-50	Stand was clearcut in 1993 on contract 021-89-01. There were some mature hardwood and pine retained throughout the stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
68	6139 - Mixed Lowland Forest	Sapling Poor	7.6	86	1-50	Stand was cut in 2010 on contract 003-09-01. All pine, hemlock, and cedar were retained, some birch were marked to retain, and all spruce/fir with less than 3 sticks were also retained. Very low quality stand. There is some residual white pine logs, and some 20+ year old maple, ash, and spruce. There is now some aspen, maple, spruce, and white pine regeneration, over time the stand should fill in.
70	4139 - Aspen, Mixed Deciduous	Poletimber Well	136.2	36	51-80	This stand is variable in its stocking of aspen. The north and west portions of the stand have high ground with good quality aspen. The south and east portions are lower and have a higher percentage of red maple. There are also numerous pockets of lowland brush throughout. Per the GEM plan, the stand will be cut in 4 parts. Starting in 2017, then 2022, 2027, and 2032.
71	4130 - Aspen	Sawtimber Well	17.3	58	51-80	High quality mature aspen stand with a dense understory of red maple saplings. Per GEM plan, this stand will be harvested in 2017.
72	4130 - Aspen	Sapling Well	28.0	22	Immature	Stand was cut in 1994 on contract 008-94-01. All cedar and pine was retained, along with all spruce/fir less than 6" inches. Good quality aspen stand. Per GEM plan, harvest this stand in 2037.
73	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	18.0	22	1-50	Stand was cut in 1996 on contract 008-94-01. All cedar was retained, along with all ash less than 7 inches in diameter, spruce/fir less than 6 inches, and some additional log sized ash. The stand has regenerated to a mix of red maple, ash, aspen, birch, and spruce/fir. There is quite a bit of mature green ash on the south end of the stand, but not enough to cut. There are dense pockets of tagalder within the stand.
74	4136 - Aspen, Mixed Conifer	Poletimber Well	23.6	40	51-80	Stand is a 50/50 mix of upland and lowland. The upland areas are primarily aspen and balsam fir and the lowland is a mix of all the species. The lowland area will fill in with aspen after the harvest. Per the GEM plan, harvest this stand in 2017.
75	4136 - Aspen, Mixed Conifer	Poletimber Well	20.5	35	51-80	Good quality aspen stand. Per the GEM plan, harvest this stand in 2022.
76	4112 - Maple, Beech, Cherry Association	Sawtimber Well	42.5	87	81-110	Stand was thinned in 2000 on contract 031-99-01. All of the short lived species were cut, along with all spruce greater than 10 inches. Moderate quality hardwood stand, that isn't in need of a thinning.
77	42340 - Upland Spruce/Fir	Sawtimber Medium	8.3	82	51-80	Stand was thinned in 2000 on contract 031-99-01. The hardwood was marked to cut and all of the short lived species were cut, along with all spruce greater than 10 inches. The stand is about half mature balsam fir, spruce, and maple and the other half is aspen regeneration. The residual stems should be harvested prior to the arrival of the spruce budworm and to increase the aspen regeneration.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
78	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	78.1	87	81-110	Mature red maple stand with areas of ash with a dense understory of balsam fir and white pine seedlings/saplings. The upland portions of this stand south of stand 76 were thinned in 2000 on contract 031-99-01. There is a small drain/creek that flows through the southeastern portion of the stand. This stand is mature and should be harvested, but it will be held for 10 years to break-up the age classes in the compartment. If the emerald ash borer arrives, this stand should be harvested, see stand sheet for recommended cutting prescription.
79	42350 - Upland Hemlock	Sawtimber Well	10.4	124	141-170	Dense stand of hemlock.
80	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	20.9	90	81-110	Mature lowland hardwood stand. This stand should be harvested prior to the arrival of the emerald ash borer and the spruce/fir get infested with the spruce budworm.
81	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	14.4	25	Immature	Stand was clearcut in 1991 on contract 047-88-01. The stand is half upland and half lowland. The upland areas are primarily aspen and balsam fir and the low areas are primarily lowland brush.
83	42210 - Natural Red Pine	Sawtimber Well	8.4	75	81-110	Mature red pine stand with a dense understory of aspen and red maple.
85	4139 - Aspen, Mixed Deciduous	Poletimber Well	49.0	40	81-110	The stand is a 50/50 mix of upland and lowland. There is quite a bit of older residual maple and ash throughout the stand, especially in the southern portion of the stand. Per the GEM plan, harvest the southern portion of this stand in 2017 and the northern half in 2027.
89	4134 - Aspen, Spruce/Fir	Poletimber Well	25.7	40	1-50	Moderate quality aspen stand, with pockets of un-merchantable trees. Per the GEM plan, harvest this stand in 2027.
91	429 - Mixed Upland Conifers	Sawtimber Well	42.6	89	51-80	Stand was shelterwood cut in 2001 on contract 031-99-01. The stand is a mix of mature pine, hemlock, and red maple over a dense understory of primarily white pine and red pine seedlings/saplings. There are also some hemlock seedlings. The understory is in need of release and the pine and hardwood is mature. There is a lowland hardwood pocket on the east side of the stand.
93	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	9.6	47	51-80	This stand is a mix of younger spruce and tamarack, with older spruce, tamarack, and white pine throughout. The stand is fully stocked, harvest in 20 years when the younger stems are mature.
94	4139 - Aspen, Mixed Deciduous	Poletimber Medium	19.3	26	1-50	Stand was cut in 1990 on contract 11-89-01. The quality of the aspen varies throughout the stand. There is about a one acre red pine stand in the northern part of the stand that was thinned when the rest of the stand was cut. There is some mature spruce and maple scattered throughout the stand. There are also dense pockets of tagalder within the stand. Cut this stand when stand 23 in comp 54 is harvested, it provides the best access.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>95</b>	6115 - Lowland Ash	Sawtimber Well	22.5	99	81-110	Overall good quality ash stand, especially the eastern two-thirds. Overall the stand does not contain much lowland brush, so the ash should regenerate well. Due to the threat of the emerald ash borer the stand should be harvested.
<b>97</b>	4136 - Aspen, Mixed Conifer	Sapling Well	8.1	18	Immature	The west and east sides of the stand have dense aspen regeneration and the middle portion is primarily a mix of conifer species. There is some residual conifer poles/advanced regeneration within the stand.
<b>98</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	4.7	79	81-110	Good quality mature black spruce stand with a ridge of pine along the south and east sides.
<b>99</b>	4319 - Mixed Upland Forest	Sawtimber Well	30.5	83	81-110	Mature hardwood and pine stand with a dense understory of white pine, red pine, and spruce/fir regeneration. The overstory needs to be removed to release the regeneration. There is a drain that separates the main portion of the stand from the long finger.



Stand	Cover Type	Acres	Managed Site	General Comments:
5	6229 - Mixed lowland shrub	24.6	No	Stand is a mix of lowland brush, marsh grass, with some scattered trees. Elwood Creek flows through the stand.
14	6239 - Mixed Emergent Wetland	13.4	No	Stand is a mix of marsh grass, tagalder, and scattered ash.
21	6224 - Treed Bog	137.4	No	Stand is primarily a treed bog with some areas of lowland brush. There are some scattered merchantable trees throughout the stand.
33	6229 - Mixed lowland shrub	47.0	No	Lowland brush stand with pockets of treed bog.
43	3302 - Low Density Conifer Trees	16.3		Stand was clearcut in 2012 on contract 037-08-01. The cedar, hemlock, and some seed trees were retained. There are some spruce and white pine seedlings present, but it is still too early to have the stand fully regenerated. Look at again in 10 years.
55	6229 - Mixed lowland shrub	70.4	No	Lowland brush stand with an area of treed bog north of Westman Lake. There are some scattered merchantable stems.
61	6229 - Mixed lowland shrub	2.4	No	Lowland brush stand.
62	6224 - Treed Bog	2.7	No	Treed bog.
64	6229 - Mixed lowland shrub	8.5	No	Lowland brush stand with some ash poles and conifer regeneration.
69	6229 - Mixed lowland shrub	2.9	No	Lowland brush stand with some scattered merchantable trees.
82	6229 - Mixed lowland shrub	1.3	No	Lowland shrub stand, primarily tagalder.
84	6229 - Mixed lowland shrub	2.8	No	Lowland brush stand, primarily tagalder and holly.
86	6229 - Mixed lowland shrub	2.3	No	Lowland brush stand, primarily tagalder and holly.
87	6229 - Mixed lowland shrub	106.3	No	Primarily a lowland brush stand, with some pockets of marsh grass, and island's of upland with merchantable timber. If some of the island's of timber are accessible while harvesting adjacent stands, they can be included.
88	6229 - Mixed lowland shrub	10.1	No	Lowland brush stand, primarily tagalder and holly.
90	6229 - Mixed lowland shrub	1.2	No	Lowland shrub, primarily tagalder and holly.
92	6229 - Mixed lowland shrub	6.4	No	Lowland brush stand, primarily tagalder and holly.



Stand	Cover Type	Acres	Managed Site	General Comments:
96	6229 - Mixed lowland shrub	8.1	No	Lowland brush stand, primarily tagalder and holly.