



# Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33043

Entry Year 2018

Acreage: 1,833

County Menominee

Management Area: Green Bay Lake Plain

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

**Stand Examiner:** Dan Beaudou

**Legal Description:**

Township36North-Range25West Sections 24, 25 & 36.

**Identified Planning Goals:**

This compartment contains a wide variety of cover types ranging from upland aspen and maple to lowland cedar and mixed conifer. Also within this area are a few floodings with lowland brush and marsh grass along the edges creating a wide variety of habitats.

This year of entry (YOE) will concentrate on selection thinning good sugar maple stands, harvesting lowland ash in anticipation of emerald ash borer, overstory removal to promote pine regeneration, and regenerating mature mixed deciduous stands.

**Soil and topography:**

The majority of the upland areas are the Johnswood-Detour complex with deep undulating soils on broad upland ridges. These are moderately well drained broad ridges to somewhat poorly drained black cobbly loam in the depression areas. The majority of the cedar and lowland type soils are mucky lupton soils. Other major soil series in the area are Deford, Wainola, Solona and Tawas complexes. The topography is level to slightly rolling.

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

This compartment is part of a large block of state forest land that extends roughly 25 miles long by 8 miles wide in southeastern Menominee County. It is made up of three sections where 120 acres is privately owned and the rest is State.

**Unique Natural Features:**

None known.

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

None known.

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

Tributaries to the West Branch of the Deer Creek flow through this compartment which the beaver floodings occupy.

**Wildlife Habitat Considerations:**

This is largely a lowland compartment comprised of cedar/swamp conifer, lowland deciduous, marsh, and lowland poplar. Northern hardwoods and aspen comprise most of the upland acreage. Due to our inability to reliably regenerate cedar, and its modest age (only about 120 years old), these stands will be left alone to provide closed-canopy habitat that is especially valuable to wildlife during winter. Several lowland deciduous stands will be harvested prior to the establishment of the emerald ash-borer. These harvests will provide early successional habitat and browse resources for a variety of wildlife. A major emphasis for wildlife will be retention of vegetative diversity in harvested stands by maintaining cedar, hemlock, and other minor component tree species.

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

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Trenton Formation underlies the glacial drift and is quarried for stone west of Escanaba. This area has not been leased for metallic exploration previously. A gravel pit is located in Section 36 and there is potential on the upland drumlins. Stand 38 is the "South Fox Pit" that was used for the construction of M-35. This area still has an abundance of gravel available.

**Vehicle Access:**

The South Fox and Camp K state forest roads provide the main access to this compartment with several two track roads

branching off.

**Survey Needs:**

Four, possibly five corners will need to be established.

**Recreational Facilities and Opportunities:**

There are no official designed or maintained sites in the area. Hunting, dispersed camping, berry picking and orv riding are the most popular recreational usages.

**Fire Protection:**

No significant control problems foreseen due to the lack of explosive fuels and an abundance of natural fuel breaks such as low wet stands of timber and lowland brush.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

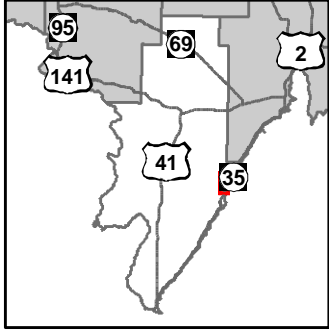
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

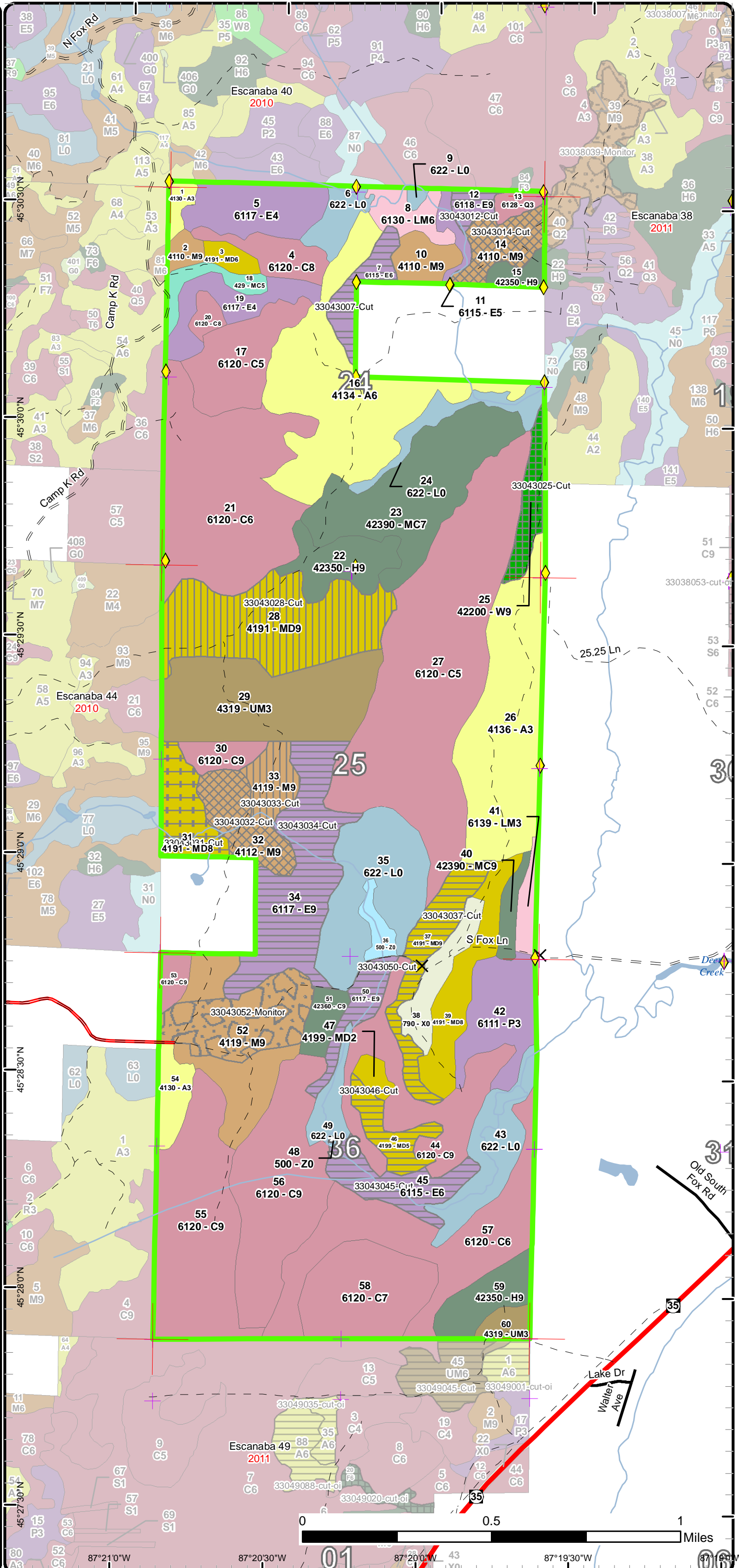
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 43  
 T36N R25W Sec. 24, 25, 36  
 County: Menominee  
 Unit: Escanaba  
 Mgmt Area: Green Bay Lake Plain  
 YOE: 2018  
 Acres: 1834 GIS Calculated  
 Examiner: Dan Beaudou  
 Map Revised: 6/27/2016  
 Map Phase: Web-Post

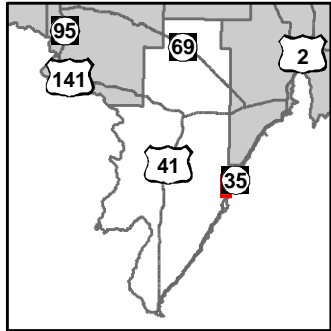


- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ✕ Gate
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Rivers
- Compartment Boundary
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Regeneration Survey
- ▨ Harvest, Overstory 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
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated
- Lakes

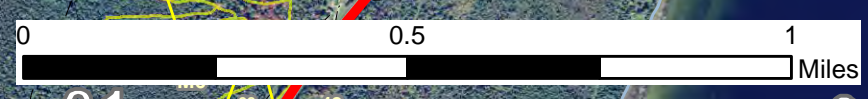
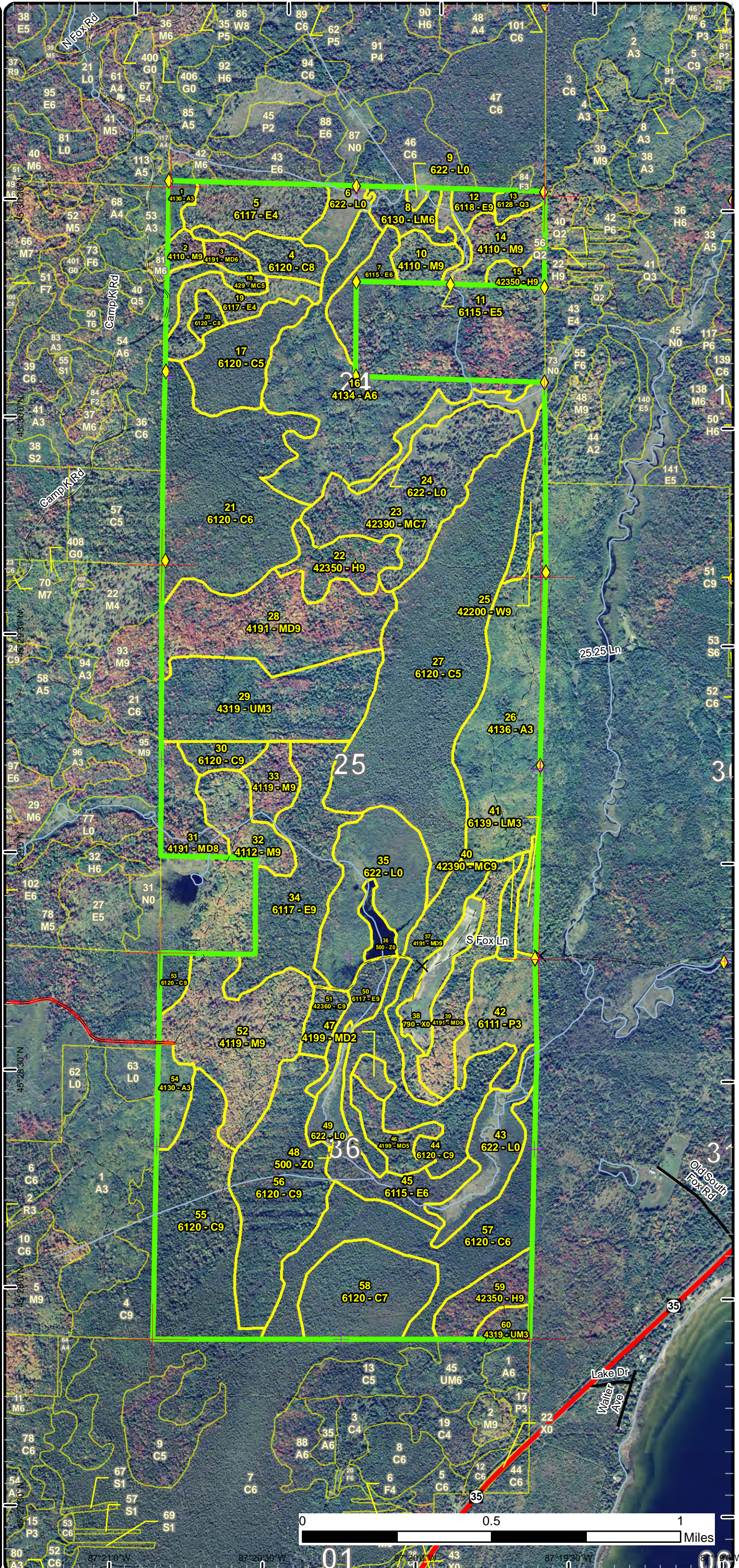


# Stand Boundary Map

Compartment: 43  
 T36N R25W Sec. 24, 25, 36  
 County: Menominee  
 Unit: Escanaba  
 Mgmt Area: Green Bay Lake Plain  
 YOE: 2018  
 Acres: 1834 GIS Calculated  
 Examiner: Dan Beaudou  
 Map Revised: 6/27/2016  
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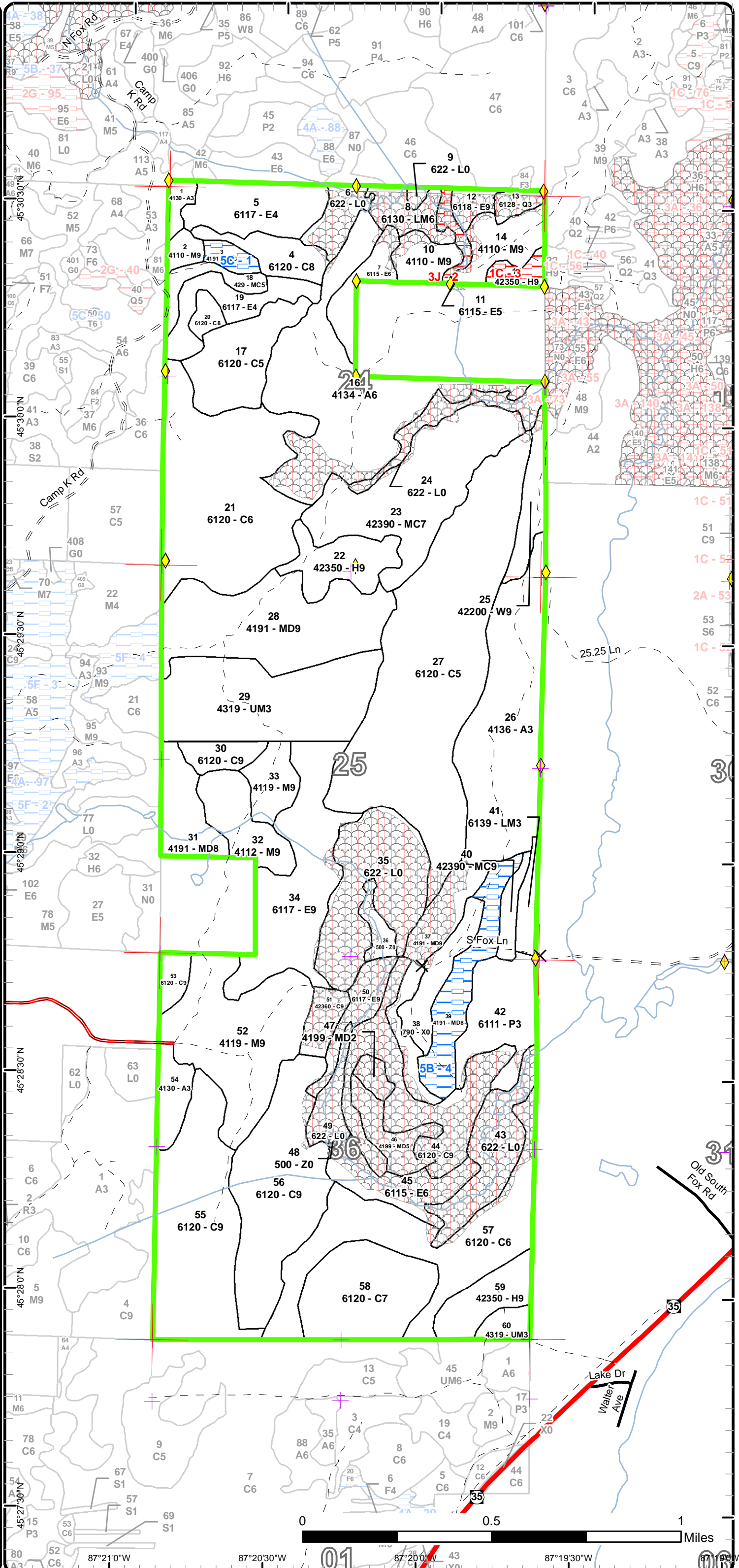
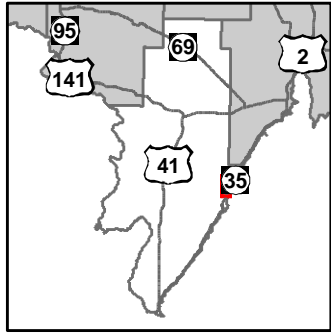
- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- X Gate
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
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01 43 06

# Special Conservation Areas & Site Conditions Map

Compartment: 43  
 T36N R25W Sec. 24, 25, 36  
 County: Menominee  
 Unit: Escanaba  
 Mgmt Area: Green Bay Lake Plain  
 YOE: 2018  
 Acres: 1834 GIS Calculated  
 Examiner: Dan Beaudou  
 Map Revised: 6/27/2016  
 Map Phase: Web-Post



- Miris Corners
- Remonumented Section Corners
- Survey Grade GPS Corners
- Gate
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Rivers
- Compartment Boundary
- SCA Removal
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Other SCA (No Category Assigned)

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	104	0	97	0	0	0	0	0	0	0	0	0	0	0	0	201
Bare/Sparsely Vegetated	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Cedar	0	0	0	0	0	0	0	0	0	0	0	161	380	0	131	0	15	0	687
Hemlock	0	0	0	0	0	0	0	0	0	0	0	20	23	0	0	7	0	0	50
Lowland Aspen/Balsam Poplar	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Conifers	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Deciduous	0	0	0	0	0	0	24	0	65	14	11	0	0	13	0	0	51	0	178
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	21
Lowland Shrub	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125
Mixed Upland Deciduous	0	0	5	0	0	15	0	0	0	6	106	0	0	22	0	0	27	0	181
Northern Hardwood	0	0	0	0	0	0	0	0	29	45	72	0	0	0	0	0	0	0	145
Upland Conifers	0	0	0	9	0	0	0	0	0	0	0	0	0	7	0	0	71	0	87
Upland Mixed Forest	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	74	0	81
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
White Pine	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
<b>Total</b>	<b>149</b>	<b>0</b>	<b>5</b>	<b>158</b>	<b>0</b>	<b>112</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>100</b>	<b>165</b>	<b>83</b>	<b>196</b>	<b>403</b>	<b>42</b>	<b>131</b>	<b>7</b>	<b>259</b>	<b>1833</b>



## Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 43

Total Compartment Acres: 1,833

Commercial Harvest - 332  
 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	Oversory Removal	Salvage	Other	Total Acres
Lowland Deciduous	122	0	0	0	0	0	0	0	0	122
Mixed Upland Deciduous	41	0	0	0	76	0	22	0	0	139
Northern Hardwood	0	42	0	0	14	0	0	0	0	56
White Pine	0	0	0	15	0	0	0	0	0	15
<b>Total</b>	<b>163</b>	<b>42</b>	<b>0</b>	<b>15</b>	<b>90</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>332</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	332	0	0	0	0	0	40	0	0	372
Next Step	0	0	0	0	0	0	332	0	0	332
<b>Total</b>	<b>332</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>372</b>	<b>0</b>	<b>0</b>	<b>704</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
7	33043007-Cut	14.1	6115 - Lowland Ash	Poletimber Well	93	Unspecified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal

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

Prescription Cut all trees 3" dbh and greater except leave hemlock and a denser cedar patch for 3% retention. Harvest in winter or dry summer.  
Specs:

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

Acceptable ash, balsam, maple, balm, cedar and hemlock.  
Regen:

Other Do not leave seed trees mgt than hemlock and cedar due to EAB and SBW forest health recommendations.  
Comment:

Proposed Start Date: 10/01/2017

12	33043012-Cut	6.0	6118 - Lowland Deciduous with Cedar	Sawtimber Well	101	Unspecified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Clear cut with retention - cut all trees 3" dbh and greater except leave hemlock and a dense patch of cedar. Harvest in winter or dry summer.  
Specs:

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

Acceptable ash, birch, cedar, maple, pine and hemlock.  
Regen:

Other Do not leave seed trees other than hemlock and cedar due to EAB and SBW forest health recommendations.  
Comment:

Proposed Start Date: 10/01/2017

14	33043014-Cut	18.6	4110 - Sugar Maple Association	Sawtimber Well	98	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Selection thinning - Thin stand down to 70 basal area using the Compleat Marker guidelines.  
Specs:

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

Acceptable Maple, ash, beech and basswood.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

25	33043025-Cut	14.8	42200 - Natural White Pine	Sawtimber Well	113	111-140	Harvest	Seed Tree	4220 - Natural White Pine	Even-Aged	Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Seed tree harvest - cut all trees 3" dbh and greater except leave 20 basal area of pine for seed trees.  
Specs:

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

Acceptable White pine, red pine, balsam, spruce and maple.  
Regen:

Other Shade from seed trees will also provide deterrence for pine weevil.  
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
28	33043028-Cut	75.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	90	111-140	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Two-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Shelterwood- cut all trees 3" dbh and greater except leave hemlock and some dense patches of cedar.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Ash, maple, balsam, spruce, balsam, cedar and hemlock.											
<u>Regen:</u>											
<u>Other</u> This stand dominated by red maple therefore promote sunlight and stump sprouting by complete removal of maple.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
31	33043031-Cut	21.9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	131	51-80	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Overstory removal- cut all trees 4" dbh and greater except leave cedar and hemlock. Buffer the creek.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Ash, maple, balsam, spruce, pine hemlock and cedar.											
<u>Regen:</u>											
<u>Other</u> Previous harvest retained large ash and red maple. Remove these species to promote stump sprouting and reduce EAB infestation in large ash trees.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
32	33043032-Cut	23.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	89	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selection thin down to 70 basal area using the Compleat Marker guidelines. All species can be considered to cut except leave hemlock and buffer the creek.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Maple, birch, basswood, ash, cedar and hemlock.											
<u>Regen:</u>											
<u>Other</u> Mark to improve the sugar maple crop trees.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
33	33043033-Cut	14.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	98	141-170	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Shelterwood, cut trees 4" dbh and greater leaving yellow birch, cedar and hemlock.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Maple, balsam, ash, balsam, spruce and pine.											
<u>Regen:</u>											
<u>Other</u> This stand dominated by red maple therefore promote sunlight and stump sprouting by complete removal of maple.											
<u>Comment:</u>											
<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
S t a n d	33043034-Cut	64.9	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	89	Unspec ified	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Clearcut with retention-cut all trees greater than 3" dbh except leave yellow birch, hemlock and some denser patches of cedar. Buffer the creek.								
<u>Specs:</u>			Harvest in winter or dry summer.								
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Maple, ash, balm, aspen, birch, balsam, spruce, hemlock and cedar.								
<u>Other Comment:</u>			Do not leave ash seed trees due to EAB forest health guidelines.								
<u>Proposed Start Date:</u>			10/01/2017								
37	33043037-Cut	26.6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	57	111- 140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Uneven- Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Clearcut with retention. Cut all trees 4" dbh and greater except leave cedar and hemlock.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Aspen, balm, maple, balsam, spruce, birch and cedar.								
<u>Other Comment:</u>			Some patches of young trees to exclude either from timber salvage due to flooding or from gravel pit operations. These areas will contribute to retention.								
<u>Proposed Start Date:</u>			10/01/2017								
45	33043045-Cut	23.7	6115 - Lowland Ash	Poletimber Well	60	111- 140	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Uneven- Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Clear cut with retention. Cut all trees 3" dbh and greater except buffer the creek. Harvest in winter or dry summer.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Ash, birch, balsam, maple and cedar.								
<u>Other Comment:</u>			Creek buffer will provide the retention. No seed trees according to EAB forest health recommendations.								
<u>Proposed Start Date:</u>			10/01/2017								
46	33043046-Cut	14.7	4199 - Other Mixed Upland Deciduous	Poletimber Medium	41	81-110	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Clearcut with retention. Cut all trees 3" dbh and greater except leave hemlock, some butternut and thicker clumps of cedar to meet the 3% retention.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Aspen, balm, balsam, spruce, birch, butternut, cedar and hemlock.								
<u>Other Comment:</u>			Do not leave ash seed trees due to EAB forest health guidelines.								
<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
50	33043050-Cut	13.3	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	130	Unspec ified	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Two-Aged	Proposal

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

Prescription Clearcut with retention. Cut all trees 3" dbh and greater except leave yellow birch, hemlock and buffer to the creek.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Ash, balm, birch, balsam, spruce, cedar and hemlock.

Regen:

Other Do not leave ash seed trees due to EAB forest health guidance.

Comment:

Proposed Start Date: 10/01/2017

52	33043052- Monitor	39.6	4119 - Mixed Northern Hardwoods	Sawtimber Well	101	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven- Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Stand had a salvage cut in 2015 due to a wind event in fall of 2014. Regeneration survey as per the work instructions.

Specs:Next StepTreatments:

Acceptable Maple, basswood, ash, butternut and beech.

Regen:OtherComment:

Proposed Start Date: 10/01/2017

**Total Treatment  
Acreage Proposed: 371.7**

## Report 4 – Site Conditions

Escanaba Mgt. Unit  
Dan Beaudou : Examiner

Compartment: 43  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C	1C	3J
		With Condition	Not Available					
201	201	0	0	Aspen				
17	17	0	0	Bare/Sparsely Vegetated				
688	688	0	0	Cedar				
49	43	0	7	Hemlock			7	
33	33	0	0	Lowland Aspen/Balsam Poplar				
5	5	0	0	Lowland Conifers				
178	173	0	5	Lowland Deciduous				5
21	21	0	0	Lowland Mixed Forest				
126	126	0	0	Lowland Shrub				
179	144	36	0	Mixed Upland Deciduous	30	6		
145	145	0	0	Northern Hardwood				
88	88	0	0	Upland Conifers				
81	81	0	0	Upland Mixed Forest				
7	7	0	0	Water				
15	15	0	0	White Pine				
1,833	1,786	36	12	Total Forested Acres	30	6	7	5
	97%	2%	1%	Relative Percent				

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand thinned last YOE. Treat next cycle.							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Low density stand that contains old beaver flooding area to north and provides a buffer to the West Branch Deer Creek south end of stand.							

**Report 4 – Site Conditions**

**Escanaba Mgt. Unit**  
**Dan Beaudou : Examiner**

**Compartment: 43**  
**Year of Entry: 2018**

3	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b>                  Nice stand of hemlock retained for Wildlife Division guidelines.</p>							
4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	30	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b>                  Long term management objective from last inventory is fir. Maintain overstory for seed and diversity. Treat next cycle.</p>							



## 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		SCA Removal	35
<b>Comments</b>				
Does not meet SCA criteria.				
	Potential Old Growth		SCA Removal	43
<b>Comments</b>				
Does not meet SCA criteria.				
	Potential Old Growth		SCA Removal	233
<b>Comments</b>				
Does not meet SCA criteria.				
<b>Unspecified</b>	Other SCA		SCA Removal	1
<b>Comments</b>				
GO filling in with spruce and fir.				
<b>Unspecified</b>	Other SCA		SCA Removal	2
<b>Comments</b>				
Small patch of hardwoods on north edge of creek, stand was observed from across the creek. Water influence..				
<b>Unspecified</b>	Other SCA		SCA Removal	3
<b>Comments</b>				
Narrow pocket of mixed cedar and hemlock. Provides nice diversity between Aspen and maple type.				
<b>Unspecified</b>	Other SCA		SCA Removal	5
<b>Comments</b>				
cut under the shinglebolt sale. Scattered residual cedar, filling in with spruce and fir				
<b>Unspecified</b>	Other SCA		SCA Removal	5
<b>Comments</b>				
stand was cut under contract 14-88-01. All cut except cedar.				
<b>Unspecified</b>	Other SCA		SCA Removal	7
<b>Comments</b>				
WATER INFLUENCE ZONE				
<b>Unspecified</b>	Other SCA		SCA Removal	8
<b>Comments</b>				
WATER INFLUENCE -				
<b>Unspecified</b>	Other SCA		SCA Removal	8
<b>Comments</b>				
Fairly dry stand for the most part. Individual tree mark all species to a target BA of 80-90BA/acre. Target the removal of mixed hardwoods and aspen, and then thin some cedar that is in poor shape. East edge gets a bit wet, excessively wet areas can be p				



**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
<b>Unspecified</b> <b>Comments</b> WATER INFLUENCE E6 in some areas, E4/E5 over LO in some	Other SCA		<b>SCA Removal</b>	9
<b>Unspecified</b> <b>Comments</b>	Other SCA		<b>SCA Removal</b>	9
<b>Unspecified</b> <b>Comments</b> Far north end has pocket of P/E6 There are several pockets of A6 12-24"DBH. Probably not worth it to cut A and hardwoods. East edge has A2/F2.LO along gravel pit.	Other SCA		<b>SCA Removal</b>	10
<b>Unspecified</b> <b>Comments</b> WATER INFLUENCE. A2 to the east more F2 to the west	Other SCA		<b>SCA Removal</b>	10
<b>Unspecified</b> <b>Comments</b> Flooded area	Other SCA		<b>SCA Removal</b>	11
<b>Unspecified</b> <b>Comments</b> creek runs through this stand. West edge of stand has been flooded and is more of a marsh. A lot of the ash is dead or dying but is filling in with spruce and balsam fir.	Other SCA		<b>SCA Removal</b>	15
<b>Unspecified</b> <b>Comments</b> WATER INFLUENCE Mixed marsh and LO	Other SCA		<b>SCA Removal</b>	16
<b>Unspecified</b> <b>Comments</b>	Other SCA		<b>SCA Removal</b>	17
<b>Unspecified</b> <b>Comments</b> HVCA: marsh flooding along stream. SW and West end have some pockets of T3 and A3 that is roughly 20-25 yrs old, there is also quite a bit of paper birch mixed in as well. There is one BMP problem in the stand. Where the trail crosses the drain a new cu	Other SCA		<b>SCA Removal</b>	33
<b>Unspecified</b> <b>Comments</b> WATER INFLUENCE -	Other SCA		<b>SCA Removal</b>	38



**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
<b>Unspecified</b>	Other SCA		<b>SCA Removal</b>	42
<b>Comments</b> WATER INFLUENCE - Upland knob of timber on NE edge.				
<b>Unspecified</b>	Other SCA		<b>SCA Removal</b>	63
<b>Comments</b> WATER INFLUENCE Portions had cedar salvage cut in 1982-1984. Mixed LO/NO				



Mgt. Unit

Compartment:

Year of Entry



## 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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Sapling Well	5.0	27	Immature	Stand was cut in 1989 with the Camp K sale #21-86-01. Aspen with some balsam and spruce mixed in.
2	4110 - Sugar Maple Association	Sawtimber Well	5.1	80	81-110	Stand was thinned in 2011 under contract 036-08-01. Current basal area 90-100. Not much regeneration taking place at this time.
3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.8	80	81-110	Stand was thinned in 2011 under contract 036-08-01. West end of stand drops down into wetter conditions with red maple being the dominant hardwood species and greater conifer density.
4	6120 - Lowland Cedar	Sawtimber Medium	15.3	114	81-110	Stand was shelterwood cut in 2012 under contract 036-08-01. This area contains a larger percentage of cedar therefore separated it from the parent stand.
5	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	30.1	112	1-50	Stand was part of a shelterwood cut in 2014 under contract 036-08-01. Cedar and hemlock not looking very healthy. Stump sprouts have been browsed on.
7	6115 - Lowland Ash	Poletimber Well	14.1	93	Unspecified	Older ash swale with some conifer mixed in. Utilize before Emerald Ash Borer enters the stand. Do not leave ash seed trees due to EAB forest health.
8	6130 - Fir, Aspen, Maple	Poletimber Well	13.0	37	51-80	Stand was cut in 1979. Hemlock, pine, and sugar maple were leave trees.
10	4110 - Sugar Maple Association	Sawtimber Well	11.8	93	81-110	Stand was thinned in the winter of 2012-2013 under contract 035-08-01. Not much regeneration noticed with stump sprouts browsed on.
11	6115 - Lowland Ash	Poletimber Medium	5.4	101	51-80	Stand contains the West Branch Deer Creek. Ash dying out in old beaver flooding area. Some conifer regeneration along edges.
12	6118 - Lowland Deciduous with Cedar	Sawtimber Well	6.0	101	Unspecified	Ash stand with pockets of cedar.
13	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	5.2	22	Immature	Stand was cut in 1994 under contract 006-87-1 with cedar and hemlock left as residual.
14	4110 - Sugar Maple Association	Sawtimber Well	18.6	98	141-170	Stand was thinned in 1994 under contract 006-87-1. Basal area in 170 range. Stand in adjacent compartment to east has been thinned winter 2015-2016. Access road in from that direction.
15	42350 - Upland Hemlock	Sawtimber Well	6.6	173	Unspecified	Stand was thinned in 1994 under contract 006-87-1. No cedar or hemlock was cut. Stand has large hemlock trees promoting a "park like" setting. No underbrush/regeneration but some large trees laying on ground which may provide nurse logs for hemlock seedlings.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4134 - Aspen, Spruce/Fir	Poletimber Well	96.9	41	Unspecified	Stand was strip cut over a ten year period under four contracts with average year of 1975. Aspen stand with balm and ash in the lower areas. There were two grass openings in this stand last entry that are now 50-75% canopy with balsam, spruce and balm filling them in. Ash in drainage areas. Just getting into diameters for harvest, wait ten years to increase size. Still a young healthy stand.
17	6120 - Lowland Cedar	Poletimber Medium	34.0	120	Unspecified	Poor quality cedar stand with ash and tag filling in the open areas.
18	429 - Mixed Upland Conifers	Poletimber Medium	9.3	27	Immature	Stand was cut in 1989 under contract 21-86-01. Good mix of species with the west side being more aspen.
19	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	20.8	114	1-50	Stand was shelterwood in 2012 under contract 036-08-01.
20	6120 - Lowland Cedar	Sawtimber Medium	5.0	114	81-110	Stand was shelterwood cut in 2012 under contract 036-08-01. This part of the parent stand is heavier to cedar.
21	6120 - Lowland Cedar	Poletimber Well	106.8	112	Unspecified	Wet cedar stand with open areas containing grass and tag alder.
22	42350 - Upland Hemlock	Sawtimber Well	23.0	121	Unspecified	Nice hemlock stand with large diameter and looking healthy.
23	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Poor	71.4	122	51-80	Stand was cut between 2011 and 2014 on contract 035-08-01. The hardwood was thinned with all cedar, hemlock and pine retained. Remove the hardwood species to promote sprouting and conifer seed germination.
25	42200 - Natural White Pine	Sawtimber Well	14.8	113	111-140	Stand was cut in 1991 under contract 035-87-01. All trees were cut except pine, cedar and hemlock. Stand drops down on west side into a cedar swamp. The north end of stand has a patch of ironwood with sugar maple. The rest of the stand contains the pine and cedar.
26	4136 - Aspen, Mixed Conifer	Sapling Well	86.6	25	Immature	North end of stand was cut in 1991, south end cut in 1989 under contract 035-87-01. Aspen and balm doing really well with the retention of cedar and pine.
27	6120 - Lowland Cedar	Poletimber Medium	169.4	122	Unspecified	Medium quality cedar stand with mixed conifer and ash component.
28	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	75.7	90	111-140	Red maple at maturity with some snapping off or blowing over.
29	4319 - Mixed Upland Forest	Sapling Well	74.2	7	Immature	Stand was strip cut in the 1980's and then in 1999 under contract 031-98-1. Residual cedar and hemlock are large diameter.
30	6120 - Lowland Cedar	Sawtimber Well	9.6	127	Unspecified	Lowland cedar with some higher knolls.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	21.9	131	51-80	Stand was cut in 1998 under contract 002-96-01. Good regeneration of pine, spruce and fir. North end more ash with south end more red maple. Skidder ruts from last treatment still evident. Remove overstory to release seedlings.
32	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.4	89	141-170	Stand was select cut in 1998 under contract 002-96-01. Nice sugar maple associated stand that is ready for a thinning. Creek has old road crossing but is washed out around large rusty culvert.
33	4119 - Mixed Northern Hardwoods	Sawtimber Well	14.4	98	141-170	Stand is dominated by red maple.
34	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	64.9	89	Unspecified	North end of stand was thinned in 2000 under contract 031-98-01. Nice, healthy ash in this stand that needs to be utilized before EAB sets in.
37	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	26.6	57	111-140	Transition zone between upland and lowland containing diversity and variable size. Part of stand on north west side was part of a cedar salvage years ago due to beaver flooding. Mortality starting to show in the larger trees.
39	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	29.8	98	51-80	This stand was thinned in 1998 under contract 030-98-01. The quality of the stand gets nicer as move north to south. Long range management objective is for fir. Should be ready to treat next cycle
40	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	7.3	137	111-140	Previously typed as hemlock but has larger canopy cover of cedar. Not much for understorey.
41	6139 - Mixed Lowland Forest	Sapling Well	8.0	7	Immature	Stand was clearcut in 2009 with cedar, pine, hemlock and spruce retention for seed trees under contract 021-08-01. Some of the seed trees have been windthrown. Regeneration looking good in open areas.
42	6111 - Lowland Balsam Poplar	Sapling Well	33.1	25	Immature	Stand was cut in 1991 under contract 014-88-1. Good stocking of balm and aspen. Large conifers are residual from previous cut. Ridge drops off to the east. Appears to be more of a clay soil keeping water closer to surface therefore promoting balm over aspen.
44	6120 - Lowland Cedar	Sawtimber Well	49.2	116	Unspecified	Healthy stand with a park like appearance.
45	6115 - Lowland Ash	Poletimber Well	23.7	60	111-140	Healthy looking ash stand with a creek flowing through it. Harvest before the Emerald Ash Borer moves in.
46	4199 - Other Mixed Upland Deciduous	Poletimber Medium	14.7	41	81-110	This stand was cut between 1974-1976 on contract 41-74A. Initial regeneration from the cut is growing good with some open areas filling in with balm sprouts. Treat this cycle with adjacent stand to utilize ash before the Emerald Ash Borer enters the stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	4199 - Other Mixed Upland Deciduous	Sapling Medium	4.9	15	Immature	This is a cedar blow down area that happened several year ago due to the degree of decay in the cedar. Balm, birch, aspen and maple has sprouted up. Really hard walking through this stand. There are cedar seedlings/saplings present in this thick stand.
50	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	13.3	130	Unspecified	Some mature tree mortality. Utilize ash before Emerald Ash Borer enters the stand.
51	42360 - Upland Cedar	Sawtimber Well	9.6	123	Unspecified	Nice large diameter cedar stand with mix deciduous.
52	4119 - Mixed Northern Hardwoods	Sawtimber Well	72.1	101	51-80	Stand was thinned in 2008-09 on contract 021-08-01 and then a salvage removal in 2015 after a wind event knocked down several trees. It is a nice hardwood stand with a couple low basal area patches from the windfall removal. This stand also contains exclosure(s) to monitor herbivory influence on regeneration.
53	6120 - Lowland Cedar	Sawtimber Well	6.7	146	Unspecified	Stand transitions from upland to lowland as move west with the west side having standing water.
54	4130 - Aspen	Sapling Well	12.5	28	Immature	Thick aspen stand.
55	6120 - Lowland Cedar	Sawtimber Well	82.9	121	Unspecified	Large diameter cedar stand with the windthrown areas.
56	6120 - Lowland Cedar	Sawtimber Well	74.7	121	Unspecified	This stand was strip cut around 1970. These strips contain the balm, aspen, ash, birch, spruce, birch and fir. The uncut strips contain the larger diameter cedar, hemlock, pine and some large diameter deciduous trees.
57	6120 - Lowland Cedar	Poletimber Well	76.1	146	Unspecified	Wet lowland cedar stand of small diameter in decent shape.
58	6120 - Lowland Cedar	Sawtimber Poor	48.3	146	Unspecified	Wetter and less cedar density in a large cedar swamp. Open areas full of holly and swamp grass.
59	42350 - Upland Hemlock	Sawtimber Well	19.8	117	Unspecified	Semi upland stand with mostly hemlock and cedar.
60	4319 - Mixed Upland Forest	Sapling Well	6.8	28	Immature	mixed stand with a size variability.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	622 - Lowland Shrub	11.9	No	Lowland brush stand.
9	622 - Lowland Shrub	1.6	No	Lowland shrub stand.
24	622 - Lowland Shrub	14.7	No	Drainage area with creek flowing through this stand. Old beaver flooding created open, grassy areas.
35	622 - Lowland Shrub	55.4	No	This stand resulted from past beaver flooding. Dead cedars are scattered about with some live ash around the perimeter.
36	500 - Water	6.6	No	Pond formed from persistent beaver plugging culvert for Deer Creek at South Fox Road.
38	790 - Other Bare/Sparsely Vegetate	17.1	No	South Fox gravel pit. About two third of it is growing in with grass and starting to get seedlings established.
43	622 - Lowland Shrub	31.1	No	Low area with a tributary flowing through it. Old beaver flooding area with wetland grass and tag alder along the edge.
48	500 - Water	0.4	No	Pond formed from an old beaver dam in a creek.
49	622 - Lowland Shrub	10.7	No	Lowland shrub area with creek flowing through it.