



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33036

Entry Year 2017

Acreage: 680

County Menominee

Management Area: Green Bay Lake Plain

Revision Date: 2015-07-10

Stand Examiner: Dan Racine

Legal Description:

T37N R25W, Sections 28 and 33.

Identified Planning Goals:

The major cover types within this compartment are cedar and aspen with a smaller component of lowland deciduous with conifer/cedar and northern hardwood. The majority of the aspen stands were treated within the last two ten year treatment periods. The majority of the stands prescribed for this treatment period are within the lowland hardwood stands with an ash component due to potential emerald ash borer (EAB) concerns and lowland conifer stands with tamarack currently with eastern larch beetle (ELB) infestation in some portions of the tamarack. The lowland stands treated on the southern boundary continue into compartment 42 within the 2017 entry year.

Soil and topography:

The majority of soils in this compartment are comprised of Lupton-Cathro, Tawas-Deford, Onaway fine sandy loam, and Onaway Rousseau. In the lowland forest types the Lupton Cathro and Tawas Deford comprise the majority of these timber types. These soils are very poorly drained and level in depressions. The major limitations of these soils are severe wetness. The majority of upland soils consist of Onaway fine sandy loam. These soils are on ridges and knolls and well drained. The limitation of equipment in these soils is in the spring and wet times of the year.

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

This compartment is surrounded to the south by state land and north, east, and west by private land. The compartment is state land with private interspersed. The private land is non-industrial private landowners.

Unique Natural Features:

None Known.

Archeological, Historical, and Cultural Features:

None Known.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

This compartment is a near equal mix of upland versus lowland forest types. Uplands are chiefly aspen, northern hardwoods and balsam fir. Lowlands are cedar or mixed swamp conifer. A mix of forest types will be harvested this decade including hardwoods, mixed upland deciduous, and lowland conifers. These treatments will promote age and cover type diversity and provide valuable habitat for early successional wildlife species.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel and medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Trenton Formation underlies the glacial drift. The Trenton is quarried for stone near Escanaba. There is no history of leasing of State land for mineral exploration in the area. Small gravel pits are located in Section 27 and a larger pit is to the north in Section 11. Sand and gravel potential in the compartment appears to be good on the uplands. No economic oil and gas production has been found in the UP.

Vehicle Access:

The vehicle access to the north is off No.32 road and the Mack road. The access to the south is off E-1 lane. Access to the proposed treatments is through these roads. Road work and maintenance will be

necessary for hauling purposes to main roads.

Survey Needs:

Recreational Facilities and Opportunities:

There are no developed facilities within this compartment. The major recreation in this compartment is hunting, viewing, and ORV use

Fire Protection:

There are no special needs for fire protection within this compartment. The water sources are Collard Creek and the Big Cedar River.

Additional Compartment Information:

**** Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:

Cover Type by Age Class
Cover Type by Management Objective
Compartment Volume Summary
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors

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

Base feature information, stand numbers, cover types
Proposed treatments
Proposed road access system
Suggested potential old growth

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

Report 1 – Total Acres by Cover Type and Age Class

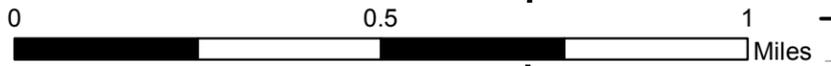
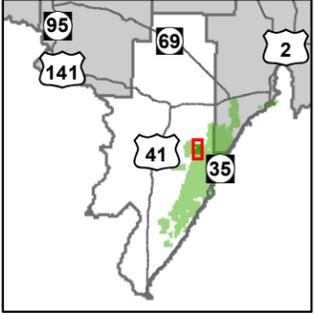


Age Class

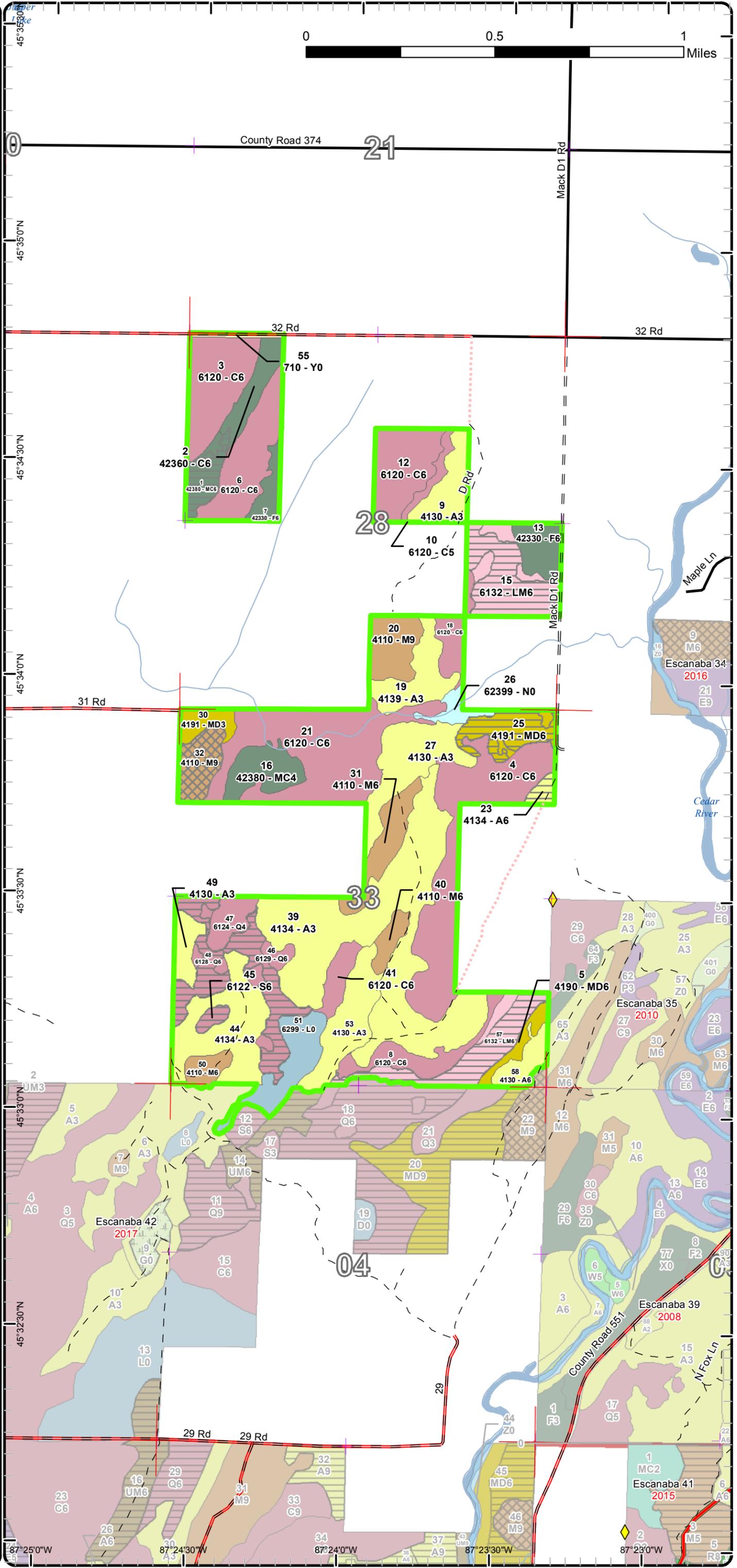
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	83	125	8	0	3	0	0	0	0	0	0	0	0	0	0	0	0	219
Cedar	0	0	0	0	0	0	0	0	0	4	139	36	47	0	0	0	0	0	226
Lowland Conifers	0	0	0	0	0	0	0	0	0	28	0	0	14	0	0	0	0	0	42
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	22	28	0	0	0	0	0	0	0	50
Lowland Shrub	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	6	0	0	0	0	0	15	0	5	0	0	0	0	0	0	0	26
Northern Hardwood	0	0	0	0	0	0	0	0	35	13	0	0	0	0	0	0	0	0	48
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	0	0	0	0	0	0	14	10	0	0	0	0	0	0	24
Upland Spruce/Fir	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Total	24	83	131	25	0	3	0	0	50	67	188	46	61	0	0	0	0	0	678

Cover Type & Treatments

Compartment: 36
 T37N R25W 28,33
 County: Menominee
 Unit: Escanaba
 Mgmt Area: Green Bay Lake Plain
 YOE: 2017
 Acres: 680 GIS Calculated
 Examiner: Dan Racine
 Map Revised: 7/7/2015
 Map Phase: Pre-Review



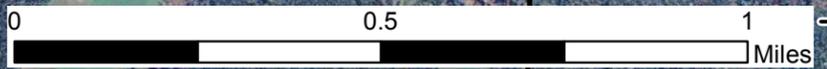
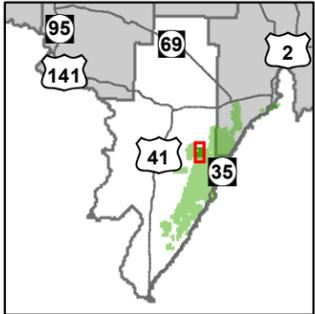
- ✦ Remonumented Section Corner
- ◆ Survey Grade GPS Corners
- Miris Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Designated ATV
- Rivers
- Lakes
- Treatments**
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- Forest Covertype**
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Covertype**
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil



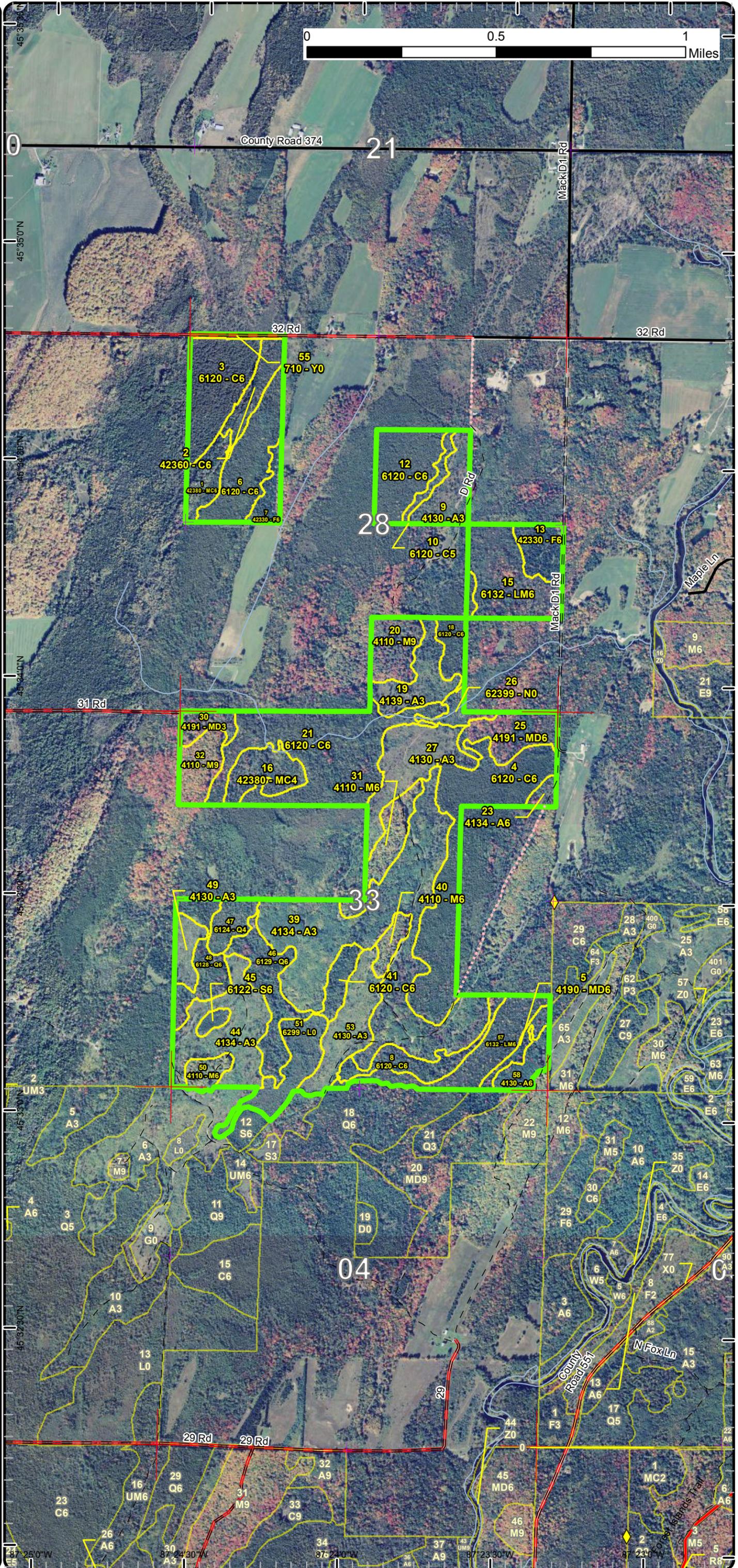
87°25'0"W 87°24'30"W 87°24'0"W 87°23'30"W 87°23'0"W

Stand Boundary Map

Compartment: 36
 T37N R25W 28,33
 County: Menominee
 Unit: Escanaba
 Mgmt Area: Green Bay Lake Plain
 YOE: 2017
 Acres: 680 GIS Calculated
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- ✚ Remonumented Section Corner
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Report 2 – Treatment Summary

Escanaba Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 36
Total Compartment Acres: 680

Commercial Harvest - 0
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	3	0	0	0	0	0	0	0	0	3
Lowland Conifers	27	0	0	0	0	0	0	0	0	27
Lowland Mixed Forest	42	0	0	0	0	0	0	0	0	42
Lowland Spruce/Fir	2	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	14	0	0	0	0	0	0	0	0	14
Northern Hardwood	0	12	0	0	0	0	0	0	0	12
Upland Conifers	8	0	0	0	0	0	0	0	0	8
Total	97	12	0	0	0	0	0	0	0	109

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	109	0	0	0	0	0	0	0	0	109
Next Step	0	0	0	0	0	0	109	0	0	109
Total	109	0	0	0	0	0	109	0	0	217



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
1	33036001-Cut	8.4	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	100	111-140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Clearcut with reserves- Leave retention patches in the highest cedar volume areas. Leave seed trees of balsam fir and spruce.
Specs:

Next Step
Treatments:

Acceptable Mixed upland conifer species. Alternative acceptable regeneration of aspen and other mixed upland deciduous species.
Regen:

Other The retention area is the approximate location. Retention will capture cedar and a mix of species. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

15	33036015-Cut	22.6	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	97	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut with retention- Leave retention areas in the highest cedar volume areas. Leave retention in the high balsam fir area along the line of stand 13 and retention in the sparse area near stand 18. Leave some spruce and fir seed trees.
Specs:

Next Step
Treatments:

Acceptable Lowland mixed deciduous with aspen. Acceptable regeneration mix of balsam fir and mixed conifer species.
Regen:

Other The retention areas on the map are approximate. The retention will be closer to 10% or more of the stand acreage. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

23	33036023-Cut	3.1	4134 - Aspen, Spruce/Fir	Poletimber Well	48	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut- Leave some spruce and fir trees along the edge and within the stand.
Specs:

Next Step
Treatments:

Acceptable Aspen and red maple. Alternative acceptable regeneration of mixed upland conifer species.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

25	33036025-Cut	13.6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	72	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut with retention- Leave retention areas around any heavy cedar volume areas incorporating a mix of the existing stand species.
Specs:

Next Step
Treatments:

Acceptable Mixed deciduous species of red maple, aspen, and ash. Alternative acceptable regeneration mix of upland conifer species.
Regen:

Other The retention areas on the map are approximate. Follow in-stand retention guidelines at the time of sale prep. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016



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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
32 33036032-Cut	11.7	4110 - Sugar Maple Association	Sawtimber Well	78	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Single tree selection- Retain approximately 70-80BA throughout the stand and favor to leave minor component species of cedar and yellow birch along the edge of stand 21. Follow EAB guidelines for ash. Create canopy gaps where feasible.

Next Step
Treatments:

Acceptable Regeneration of a mix of northern hardwood species. Alternative acceptable regeneration of balsam fir and white spruce.
Regen:

Other The BA swings within this stand were 80, 120, 130, and 110 with an average of 110. Last completed in 2003. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

45 33036045-Cut	2.4	6122 - Black Spruce	Poletimber Well	91	51-80	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut: Cut all trees. No retention due to small stand size.
Specs:

Next Step
Treatments:

Acceptable Black Spruce, acceptable alternate regeneration of tamarack.
Regen:

Other Small diameter stand with with 6-8 inch older black spruce. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

46 33036046-Cut	15.1	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	89	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut with retention- Leave retention patches in the heaviest cedar volume areas with a mix of species. Leave some spruce, fir, and potentially good quality tamarack seed trees.
Specs:

Next Step
Treatments:

Acceptable Mix of lowland conifer species. Acceptable regeneration of aspen, maple, birch, and balm.
Regen:

Other The retention areas on the map are approximate. Follow in-stand retention guidelines. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

48 33036048-Cut	12.1	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	115	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut with retention- Leave retention patches around the cedar pockets with a mix of species. Leave some seed trees of spruce, fir and potential good quality tamarack.
Specs:

Next Step
Treatments:

Acceptable Mix of lowland conifer species including spruce, fir, and tamarack. Acceptable alternative regeneration of lowland deciduous species.
Regen:

Other The tamarack has porcupine damage and appears to have ELB. The retention areas on the map are approximate. Follow in-stand retention guidelines. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016



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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
57 33036057-Cut	19.6	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	85	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Clearcut with retention- Retention in the highest cedar volume areas. Retain any poor quality and very wet sites.

Specs:

Next Step

Treatments:

Acceptable Regen: Lowland mixed deciduous including red maple, ash, birch and balm. Acceptable alternative regeneration of lowland mixed conifer species.

Other Comment: Combine with any treatment in stand 4 to the south in compartment 42. Old next step comments:

Proposed Start Date: 10/1 /2016

Total Treatment Acreage Proposed: 108.6

Report 5 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 36
Year of Entry: 2017

Dominant Site Conditions

5E

Aspen	
Cedar	
Lowland Conifers	6
Lowland Mixed Forest	
Lowland Shrub	
Lowland Spruce/Fir	
Marsh	
Mixed Upland Deciduous	
Northern Hardwood	
Sand, Soil	
Upland Conifers	
Upland Spruce/Fir	
Total Forested Acres	6
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	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Poor quality site with sparse timber areas.							
3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Approximate area for retention within stand 46.							
4	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Approximate area for retention for stand 46.							

Report 5 – Site Conditions

Escanaba Mgt. Unit

Dan Racine : Examiner

Compartment: 36

Year of Entry: 2017

5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

Approximate area for retention for stand 46.

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 7 – 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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	9.7	100	111-140	Trace amounts of black cherry, ironwood, and black spruce. Upland portion of ridge with cedar and a mix of species.
2	42360 - Upland Cedar	Poletimber Well	10.1	100	141-170	BA ranges from 100-240. Trace amounts of tamarack and red maple. This is an upland cedar site with a mix of short lived species.
3	6120 - Lowland Cedar	Poletimber Well	26.2	105	111-140	Poor quality with cedar, black ash, tag alder and small cedar. Trace amounts of spruce and fir and other minor species.
4	6120 - Lowland Cedar	Poletimber Well	53.6	95	111-140	Areas with poor quality and small diameter.
5	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	5.0	90	81-110	OPIC - FMD: OI Stand Year Origin was 1988. Mixed stand that was cut previously. Manage with stand 58 to the east.
6	6120 - Lowland Cedar	Poletimber Well	25.0	117	171-200	Hollow cedar, no current age. Tag alder in low places and areas of black ash. Trace amount of paper birch.
7	42330 - Upland Fir	Poletimber Well	6.7	25	Immature	This stand was cut under the Line Sale (10-87-01) completed in 1992. All trees were cut except cedar, hemlock, beech, and red pine. There is some scattered pockets of mature timber.
8	6120 - Lowland Cedar	Poletimber Well	12.5	90	111-140	Some areas of poor quality and tag alder.
9	4130 - Aspen	Sapling Well	13.8	10	Immature	This stand was cut under the Collard Creek sale completed in 2005. All merchantable trees were cut except hemlock, pine, yellow birch, and cedar. Trace amounts of hemlock, pine and yellow birch. This stand is a3/a2 to the south and balm in the low pockets with aspen on the ridge.
10	6120 - Lowland Cedar	Poletimber Medium	3.9	85	51-80	Scattered Cedar with lots of tag alder in area. Difference between aspen and lowland cedar to the east and less canopy to the west.
12	6120 - Lowland Cedar	Poletimber Well	21.9	117	171-200	Mostly cedar.
13	42330 - Upland Fir	Poletimber Well	10.3	24	Immature	I had 28 years old on an increment borer. This stand was cut under the Line Sale (10-87-01) completed in 1992. All trees were cut except cedar, hemlock, beech, and red pine.
15	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	28.0	97	81-110	This stand is a mix of Q/E type with some upland ridges.
16	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Poor	13.6	95	Immature	THIS STAND WAS CUT IN THE COLLARD CREEK SALE completed in 2003. All trees were cut except cedar, hemlock, and trees marked with green paint.
18	6120 - Lowland Cedar	Poletimber Well	8.7	95	141-170	The cedar was hollow inside for age. The BA ranges from 150 to 190.

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Escanaba Mgt. Unit

Report 8 – Forested Stands

Compartment: 36
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4139 - Aspen, Mixed Deciduous	Sapling Well	16.0	10	Immature	This stand was cut under the Collard Creek Sale unit 3. All trees cut except sugar maple, hemlock, yellow birch, white pine, spruce, and cedar. Completed in 2005. Trace amount of red maple.
20	4110 - Sugar Maple Association	Sawtimber Well	13.2	88	51-80	This stand was unit 2 of the Collard creek sale (44-02-01) completed in 2005.
21	6120 - Lowland Cedar	Poletimber Well	57.2	95	111-140	Potential for island cuts. The Collard creek runs through the northern portion of the stand. Areas of poor quality cedar and tag alder.
23	4134 - Aspen, Spruce/Fir	Poletimber Well	3.1	48	81-110	The previous inventory age was 42.
25	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	15.2	72	81-110	The aspen is at least 50-60 years old.
27	4130 - Aspen	Sapling Well	24.0	6	Immature	This stand was cut under the Firry Mix in 36 sale completed in 2009. Trace amounts of cedar, balm and paper birch and tag alder in the understory along the low edges of stand.
30	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	6.1	11	Immature	THIS STAND WAS CUT UNDER THE COLLARD CREEK SALE. UNIT 4 AND COMPLETED. THE LONG TERM MO OF THIS STAND IS A/F TYPE. BOTH A AND F ARE REGENERATING. Trace amount of black ash. Apple tree within the stand. Very similar to stand 16 however the regenerating stand is the canopy in this stand.
31	4110 - Sugar Maple Association	Poletimber Well	13.0	78	51-80	This stand was cut under the Firry Mix in 36 sale unit 2. All orange marked and merchantable aspen, balsam poplar, and balsam fir cut except those trees with an orange x.
32	4110 - Sugar Maple Association	Sawtimber Well	11.7	78	81-110	THIS STAND WAS THINNED UNDER THE COLLARD CREEK CONTRACT AND COMPLETE IN 2003. Some cedar and yellow birch along the transition zone into stand 21.
39	4134 - Aspen, Spruce/Fir	Sapling Well	95.3	15	Immature	This stand was cut under the Hot Dog timber sale (35-97-01) completed in 2000. All trees were cut except, cedar, hemlock, elm, beech, and pine.
40	4110 - Sugar Maple Association	Poletimber Well	5.2	75	51-80	This stand was cut under the Firry Mix in 36 sale completed in 2009. Previous inventory has 1914 year of origin. Look at treatment next treatment period.
41	6120 - Lowland Cedar	Poletimber Well	6.9	90	171-200	Hollow cedar for age.
44	4134 - Aspen, Spruce/Fir	Sapling Well	31.1	4	Immature	This stand was cut under the Big Mack Sale completed in 2011. Access was from the south through E-1 Lane. Along the steep hillsides some larger aspen left.
45	6122 - Black Spruce	Poletimber Well	2.4	91	51-80	Pockets of S4 and bordering on S3 type.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	20.1	89	81-110	Previous inventory was 1925 year of origin. Trace amount of paper birch. Appears to be ELB and porcupine damage within this stand.
47	6124 - Lowland Spruce- Fir	Poletimber Poor	7.9	81	Unspecified	Poor quality 25-50% cover type or less. Trace amounts of black ash. Mix of lowland brush and Q4 type stand.
48	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	14.4	115	81-110	Mix of Q/E with a couple of C pockets. Some tamarack mixed in this stand.
49	4130 - Aspen	Sapling Well	7.1	4	Immature	This stand was cut under the big mack sale in 2011. The private landowner to the west had the contractor cut some timber on the private side. Phragmites on the edge of the stand and into private.
50	4110 - Sugar Maple Association	Poletimber Well	5.6	78	81-110	This stand was cut under the Big Mack sale completed in 2009. No age obtained on the sugar maple. No current regeneration post harvest.
53	4130 - Aspen	Sapling Well	20.9	6	Immature	Trace amounts of black ash, cherry, hemlock, elm, and white spruce. This stand was cut under the Firry Mix in 36 sale completed in 2009. All trees cut except cherry, cedar, hemlock, beech, elm, and yellow birch.
57	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	22.0	85	81-110	Trace amount of yellow birch, white pine, balm, and paper birch.
58	4130 - Aspen	Poletimber Well	8.1	27	81-110	The stand is starting to thin itself with timber on the ground. Consider treatment next treatment.



Stand	Cover Type	Acres	Managed Site	General Comments:
26	62399 - Marsh (OI)	4.8	No	Marsh area of Collard Creek. Areas with lowland brush and scattered cedar, spruce, fir, and paper birch trees. Creek runs through the stand.
51	6299 - Lowland Shrub (OI)	17.5	No	Lowland trees and shrubs. Scattered white spruce, paper birch, black spruce, tamarack on edge of stand. Some areas 25-50% cover type.
55	710 - Sand, Soil	1.6	No	NO.32 ROAD AND R-O-W