Escanaba Forest Management Unit
Compartment Review Presentation
Compartment: 070 Entry Year: 2014
Compartment Acreage: 1918 County: Menominee

Revision Date: 05/21/2012

Stand Examiner: Dustin Salter, FRD

Legal Description: T40N R26W Sections 23, 24, 25, 26, 35, and 36

Management Goals: This compartment is comprised primarily of three different cover types. The major cover type is Lowland Conifer; tamarack, cedar, and black spruce. There is a large percentage of the acreage in this cover type that has a very low site index and does not support timber growth. These areas have very stagnated trees with many of the stands being over 100 years of age and there is not much in the way of merchantable timber. This entry period we will be cutting 88 acres of tamarack. There are two small cedar stands that are currently on contract to be harvested.
The next major cover type is aspen/mixed upland deciduous. This cover type has been managed in the past so there is a mix of age classes. This entry period we will be cutting 122 acres. Northern hardwoods is the last major cover type. This area grows good quality sugar maple. This entry period we will be thinning 59 acres of hardwood with the intention of producing high quality sugar maple sawlog stands.

Soil and Topography: Topography is level with some gently rolling hills and some steep terrain. Soils include well-drained sandy loams and poorly drained black muck and peat over bedrock/limestone and sandy loam. Prominent soil series are Lupton-Cathro, Loxley-Dawson, Onaway sandy loam, Lupton-Tawas, and Summerville-Cunard.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is located in the northern portion of Menominee County within a small block of state land. This block of state forest land is about four miles wide and three miles long. There are a number of private in-holdings within this block. A large percentage of the private forest land around this block of state land is owned by corporate forest landowners. The primary uses for the private land are timber production and recreation. The state forest lands primary use is recreation.

Unique, Natural Features: None Known

Archeological, Historical, and Cultural Features: None Known

Special Management Designations or Considerations: None Known

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Compartment 70 is part of the North Menominee Management Area. This management area is comprised of discontinuous state holdings in a matrix of largely corporate forest. Over half of the area is lowland conifer cover type (cedar, spruce, tamarack) interspersed with uplands of aspen and northern hardwoods. Historically this management area has been important deer winter range. Due to difficulties in regenerating cedar, most of this cover type will simply be protected, except for purposeful regeneration experiments. Aspen will be managed for age class diversity, and hardwoods for

vegetative diversity and improved regeneration success. Featured wildlife species include the american marten and snowshoe hare.
Aspen: Two aspen stands will be clearcut. Wildlife will have any cedar, hemlock, and pine retained if present. These treatments have no other retention due to spruce bud worm. In the future Wildlife would like to see retention of species which do not act as a host to the spruce bud worm on similar treatments.
Hardwoods: Most of the stands up for treatment this cycle have a cedar/hemlock/pine component. These occurrences are important as they provide patches of cover and micro habitats used by many species including bears and deer. This is of particular importance when upland hardwood stands border cedar stands. Having a conifer/hardwood gradient allows deer to move from cover to food even in deep snow conditions. All of these stands will have these features preserved.
Lowland: One lowland conifer stand has been nominated for final harvest. Due to the high value of these types for wildlife and difficulty in reliably regenerating these stands to a similar species composition, specifically the cedar component, this stand and issue will be further reviewed prior to a treatment being agreed upon.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium textured glacial till and glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien Group underlies the glacial drift. The PdC could be used for stone and may overlap Precambrian aged rocks, which may have metallic and nonmetallic mineral potential. The nearest gravel pit is located one mile to the northeast and potential appears to be good on the upland drumlins. No economic oil and gas production has been found in the UP.

Vehicle Access: The primary access into the compartment is from the 47 Mile Creek Road. The 47 Mile Creek Road runs through the western portion of the compartment and there are two-track roads that split off and head into different parts of the compartment. There is a limited amount of roads within the compartment due to the large amount of lowland stands throughout it.

Survey Needs: Some corners will need to be set in order to establish property lines for timber sales.

Recreational Facilities and Opportunities: There are no developed facilities within this compartment. The primary uses are hunting, four-wheeling, and snowmobiling. There is a designated snowmobile trail that runs to the north of the compartment and down through the far western portion of the compartment. The trail uses some of the two-track roads in the area.

Fire Protection: This area has a very low probability of supporting a large forest fire. The landscape is very broken up with low wet ground and ridges of northern hardwood. The 47 Mile Creek provides an adequate water source in a couple of locations within the compartment.

Additional Compartment Information:

- **The following reports from the Inventory are attached:**
  - **Total Acres by Cover Type and Age Class**
  - **Proposed Treatment Summary**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**
  - **Stand Details (Forested and Nonforested)**
  - **Dedicated and Proposed Special Conservation Areas**
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - **Base feature information, stand boundaries, cover types, and numbers**
  - **Proposed treatments**
  - **Details on the road access system**

Table 1 – Total Acres by Cover Type and Age Class

Escanaba Mgt. Unit **Compartment 070 Year of Entry 2014**

Dustin Salter : Examiner

Age Class

	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 +	Uneven Age	Total
Aspen	107	52	209	76	29	83	0	0	0	0	0	0	0	0	**556**
Cedar	0	0	0	0	0	0	0	0	15	302	0	0	49	0	**366**
Low-Density Trees	22	0	0	0	0	0	0	0	0	0	0	0	0	0	**22**
Lowland Aspen/Balsam Poplar	33	34	0	0	0	0	0	0	0	0	0	0	0	0	**66**
Lowland Conifers	0	0	0	0	0	0	0	0	0	15	174	0	0	0	**188**
Lowland Deciduous	0	0	0	0	0	0	0	8	0	0	0	0	0	0	**8**
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	91	0	0	0	0	**91**
Lowland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	69	0	0	0	0	0	**69**
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	29	0	0	0	0	**29**
Northern Hardwood	0	0	0	0	0	0	0	21	192	0	0	0	0	0	**214**
Tamarack	0	0	10	0	0	0	0	231	0	0	0	0	0	0	**241**
Upland Conifers	0	0	0	0	0	0	0	0	0	0	8	0	0	0	**8**
Upland Mixed Forest	0	36	0	0	0	0	0	0	0	10	0	0	0	0	**46**
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	**4**
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Total	**174**	**122**	**219**	**76**	**29**	**83**	**0**	**261**	**276**	**447**	**182**	**0**	**49**	**0**	**1918**

Table 2 – Proposed Treatment Summaries

Escanaba Mgt. Unit
Year of Entry 2014

Compartment 070
Total Compartment Acres: 1918

Acres by Treatment Type

Commercial Harvest - 284	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	83	0	0	0	0	0	**83**
Cedar	12	0	3	0	0	0	**15**
Mixed Upland Deciduous	29	0	0	0	0	0	**29**
Northern Hardwood	0	43	0	0	16	0	**59**
Tamarack	0	0	88	0	0	0	**88**
Upland Mixed Forest	0	0	10	0	0	0	**10**
Total	**124**	**43**	**101**	**0**	**16**	**0**	**284**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	33070002-Cut	29.4	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	98		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves - cut all species except leave all hemlock and some beech, white pine, and spruce seed trees.

Other Comments:

Next Steps: Manage this stand for a mix of hemlock, aspen, and mixed upland conifer. Any combination mix is acceptable.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	33070008-Cut	88.3	6121 - Tamarack	High Density Pole	72		Harvest	Seed Tree with Reserves	6121 - Tamarack	Cmpt. Review Proposal

Prescription Specs: Seed Tree Harvest, cut a portion in the center of the stand. Cut all trees; except leave seed tree clumps scattered throughout the stand.

Other Comments: Harvest some of the stand next entry period.

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
13	33070013-Cut	43.1	4110 - Sugar Maple Association	High Density Pole	86	141-170	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Single tree selection harvest reducing the basal area down to 80 to 90. Leaving a mix of all species. Leave cedar, hemlock, and white pine if present.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22	33070022-Cut	6.2	4110 - Sugar Maple Association	High Density Pole	86	111-140	Harvest	Low Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Low Thinning Harvest, reducing the basal area down to 80 to 90. This is the stands first thinning and I am not expecting regeneration. The primary purpose of this treatment is to improve growth and quality. Leave cedar, hemlock, and white pine if present.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
24	33070024-Cut	45.8	4134 - Aspen, Spruce/Fir	High Density Pole	52		Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves, cut all species greater than 3 inches. Leave cedar, hemlock, and white pine if present. No other retention will be left due to the spruce budworm. Leave a 100' buffer along the 47 mile creek.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
26	33070026-Cut	10.1	4110 - Sugar Maple Association	High Density Pole	86	111-140	Harvest	Low Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Low Thinning Harvest, reduce the basal area down to 80 to 90. Leave cedar, hemlock, and white pine if present. This is the stands first thinning and I am not expecting regeneration. The primary purpose of this treatment is to improve growth and quality.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
38	33070038-Cut	37.0	4134 - Aspen, Spruce/Fir	High Density Pole	52		Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut - cut all species greater than 3 inches. Leave all cedar, hemlock and white pine if present. No other retention will be left due to the spruce budworm.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41	33070041-Cut	2.9	6120 - Lowland Cedar	High Density Pole	85		Harvest	Seed Tree with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Stand is already on contract 035-09-01 to have a seed tree cut with reserves; except the white pine, elm, hemlock, and seed trees will be retained.

Other Comments: This stand is on contract 035-09-01 "47 Mile Redo" sale to be clearcut.

Next Steps:

Proposed Start Date: 01/25/2010

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44	33070044-Cut	11.9	6120 - Lowland Cedar	High Density Pole	85		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Stand is already on contract 035-09-01 to have a seed tree cut with reserves; except the white pine, elm, hemlock, and seed trees will be retained.

Other Comments: This stand is on contract 035-09-01, the "47 Mile Redo" sale.

Next Steps:

Proposed Start Date: 01/25/2010

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54	33070054-Cut	9.7	4319 - Mixed Upland Forest	High Density Pole	94		Harvest	Seed Tree with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal

Prescription Specs: Seed tree harvest with reserves, managing for a mix of the current species. Leave about 20 basal area of primarily hemlock and cedar, but also include with that white pine and white spruce seed trees. The hardwood will stump sprout following the harvest. This prescription maybe modified slightly after the larger part of the stand in comp 71 is inventoried.

Other Comments: This stand was thinned on contract 022-97-01 with a larger sale in comp 71. This stand is ready to be harvested again. Treat this stand with the larger stand in comp 71 when it comes up in 2017.

Next Steps:

Proposed Start Date: 10/01/2016

Total Treatment Acreage Proposed: 284.5

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Error							

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: **0**

Data updated before 10:00 AM

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status

Prescription Specs:

Other Comments:

Next Steps:

Proposed Start Date: #Error

Total Treatment Acreage Proposed: **0**

Data updated before 10:00 AM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Medium Density	33.2	5		Stand was c.c. in 2007 on contract 026-04-01. Regenerating very well.
2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	29.4	98		Stand is currently an SCA, remove from SCA and treat. This stand is adjacent to pvt land that has been managed on two sides. The majority of the stand is a poor hardwood type with pockets of dense hemlock. There is an abundance of poor quality hardwood stands throughout the landscape.
3	6120 - Lowland Cedar	Medium Density Pole	9.9	96		Currently SCA - Remove the SCA status, this is a poor quality cedar stand that is very similar to numerous other ones within this landscape. There are no unique qualities within this stand.
4	4110 - Sugar Maple Association	Medium Density Pole	3.7	76	51-80	Decent quality sugar maple poles, with an abundance of white pine regen in the understory.
5	4134 - Aspen, Spruce/Fir	High Density Sapling	80.9	26		
6	4130 - Aspen	High Density Sapling	30.4	17		
8	6121 - Tamarack	High Density Pole	231.4	72		Remove from SCA - this stand does not provide any unique conditions that are not available in many other stands throughout the landscape.
9	4115 - Y.Birch, Hemlock NH	High Density Pole	12.0	80	81-110	Currently SCA - Remove the SCA status, this is a poor quality hardwood stand that is very similar to numerous other ones within this landscape. There are no unique qualities within this stand.
10	4319 - Mixed Upland Forest	High Density Sapling	36.2	18		Currently SCA - Remove the SCA status, this is a mixed upland stand that was clear cut about 18 years ago that is very similar to numerous other ones within this landscape. There are no unique qualities within this stand.
11	6120 - Lowland Cedar	High Density Pole	24.9	98		Currently SCA - Remove the SCA status, this is a poor quality cedar stand that is very similar to numerous other ones within this landscape. There are no unique qualities within this stand.
12	42360 - Upland Cedar	Medium Density Log	18.4	98		This is an upland cedar stand that had the majority of the shorter lived species harvested in 2007. The more open areas within this stand will fill in with balsam fir, white spruce, and balm.
13	4110 - Sugar Maple Association	High Density Pole	43.1	86	141-170	Good quality hardwood stand.
14	4139 - Aspen, Mixed Deciduous	High Density Pole	29.1	40		Poor quality aspen/hardwood stand.
15	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	173.8	102		Currently SCA - Remove the SCA status, this is a poor quality lowland conifer stand that is very similar to numerous other ones within this landscape. There are no unique qualities within this stand.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4130 - Aspen	High Density Sapling	24.5	5		Stand was clear cut in 2007 on contract 026-04-01.
17	4110 - Sugar Maple Association	High Density Pole	17.6	76	81-110	Stand was thinned in 2009 on contract 026-04-01.
18	6122 - Black Spruce	Medium Density Pole	69.1	86		Currently SCA - Remove the SCA status, this is a poor quality spruce stand that is very similar to numerous other ones within this landscape. There are no unique qualities within this stand.
19	4130 - Aspen	High Density Sapling	16.5	24		
21	6121 - Tamarack	High Density Sapling	9.6	24		
22	4110 - Sugar Maple Association	High Density Pole	6.2	86	111-140	Good quality sugar maple stand.
23	4134 - Aspen, Spruce/Fir	High Density Pole	40.8	36		Poor growing aspen.
24	4134 - Aspen, Spruce/Fir	High Density Pole	45.8	52		Decent quality aspen with pockets of thick balsam fir interspersed.
26	4110 - Sugar Maple Association	High Density Pole	10.1	86	111-140	Decent quality sugar maple stand, that contains some rolling terrain.
27	6120 - Lowland Cedar	High Density Pole	129.2	96		
29	4134 - Aspen, Spruce/Fir	High Density Pole	35.2	34		
30	6115 - Lowland Ash	Medium Density Pole	8.1	79		
31	6120 - Lowland Cedar	High Density Pole	39.6	96		
34	6120 - Lowland Cedar	Medium Density Pole	15.1	127		This stand was cut in the winter of 2007-2008 on contract 022-04-01. All species were cut except cedar and some seed trees. The cedar is thick through parts of the stand. The open areas should fill in with tamarack and spruce.
35	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	14.6	94		This stand is in need of harvesting, but the 47 Mile Creek flows through this stand and it splits in a number of locations. It would be difficult to provide adequate creek buffers and still be enough volume to have a harvest.
36	4130 - Aspen	Medium Density	28.3	6		Stand was clearcut in 2006 and 2008 on contract 030-04-01. The deer browse has been heavy in this stand.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	4110 - Sugar Maple Association	High Density Pole	95.4	82	81-110	Stand was thinned in 2005-06 on contract 030-04-01. The far south end was thinned in 2000 on contract 032-99-01.
38	4134 - Aspen, Spruce/Fir	High Density Pole	37.0	52		
39	6120 - Lowland Cedar	Low Density Pole	16.6	127		Stand was clearcut in the winter of 2006-07 on contract 022-04-01. All of the cedar was retained along with some seed trees. Tamarack is regenerating very well in this stand.
40	6120 - Lowland Cedar	High Density Pole	66.5	94		
41	6120 - Lowland Cedar	High Density Pole	2.9	85		This stand is on contract 035-09-01 "47 Mile Redo" sale to be clearcut.
42	4130 - Aspen	Medium Density	9.6	7		This stand was clearcut in 2005 on contract 030-04-01, except for the ash, maple, and basswood.
43	4136 - Aspen, Mixed Conifer	High Density Sapling	111.8	21		
44	6120 - Lowland Cedar	High Density Pole	11.9	85		
45	4130 - Aspen	High Density Sapling	11.1	7		Stand was clearcut in 2005 on contract 030-04-01.
46	4134 - Aspen, Spruce/Fir	High Density Sapling	21.8	19		
47	6120 - Lowland Cedar	High Density Pole	13.7	94		
48	6120 - Lowland Cedar	Medium Density Pole	17.3	127		This stand was clearcut in the winter of 2006-07 on contract 022-04-01. All species were cut except cedar and some seed trees. Where the stand is opened up there is quite a bit of tamarack regeneration. The shade from the residual cedar is limiting the amount of tamarack regeneration.
49	4112 - Maple, Beech, Cherry Association	High Density Pole	5.9	82	81-110	This stand was thinned in 2006 on contract 025-04-01. Lower quality hardwood, the long term MO for this stand should be white pine and spruce/balsam.
50	6112 - Lowland Aspen	Medium Density	32.5	6		Stand was clearcut in 2006 on contract 025-04-01. Heavy deer browse.
51	6132 - Mixed Lowland Forest with Cedar	High Density Pole	90.9	94		There is a creek that runs the length of the stand on the east side.
52	6112 - Lowland Aspen	Medium Density	33.9	13		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
53	4110 - Sugar Maple Association	High Density Pole	19.7	82	81-110	This stand was thinned in 2006 on contract 025-04-01.
54	4319 - Mixed Upland Forest	High Density Pole	9.7	94		This stand was thinned on contract 022-97-01 with a larger sale in comp 71. This stand is ready to be harvested again. Treat this stand with the larger stand in comp 71 when it comes up in 2017.
55	42390 - Mixed Non-Pine Upland Conifers	Medium Density Log	8.4	109		Stand was cut on contract 045-94-01.

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
7	6230 - Cattail	2.4	No	Unspecified	
20	50 - Water	1.3	No	Unspecified	North end of Oliver Lake, it was dry in 2011.
25	3205 - Mixed Upland Shrub	1.5	No	Unspecified	
28	6229 - Mixed lowland shrub	4.9	No	Unspecified	
32	3205 - Mixed Upland Shrub	2.9	No	Unspecified	
33	3302 - Low Density Conifer Trees	22.1	Yes	Unspecified	This stand was clearcut between 2006 and 2008 on contract 030-04-01. There are some thicker clumps of cedar that were not cut, along with some clumps of tamarack that were left for seed. There are some tamarack and spruce showing up, but too soon to determine if the stand will fully regenerate.

7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments
2	SCA Removal	33070002-SCAR	29.4	SCA-Removal this stand is a poor quality hardwood stand with short lived conifer species. There are also some clumps of hemlock within it. This stand is common within the landscape and it provides no unique values.
3	SCA Removal	33070003	9.9	SCA-Removal This stand is a poor quality cedar stand that provides no unique values. This covertype is very common throughout this landscape.
8	SCA Removal	33070008	231.4	SCA-Removal This stand is a tamarack stand that provides no unique values. This covertype is very common throughout this landscape.
9	SCA Removal	33070009	12.0	SCA-Removal This stand is a poorer quality mixed hardwood stand that provides no unique values. This covertype is very common throughout this landscape.
10	SCA Removal	33070010	36.2	SCA-Removal This stand was harvested 18 years ago with a management objective of aspen, balm, balsam fir, and spruce. This stand has successfully regenerated. This covertype is very common throughout this landscape and it does not provide any unique values.
11	SCA Removal	33070011	24.9	SCA-Removal This stand is a poor quality cedar stand that provides no unique values. This covertype is very common throughout this landscape.
15	SCA Removal	33070015	173.8	SCA-Removal This stand is a poor quality mixed lowland conifer stand that provides no unique values. This covertype is very common throughout this landscape.
18	SCA Removal	33070018	69.1	SCA-Removal This stand is a poor quality black spruce stand that provides no unique values. This covertype is very common throughout this landscape.

8 – DEDICATED CONSERVATION AREA DETAILS

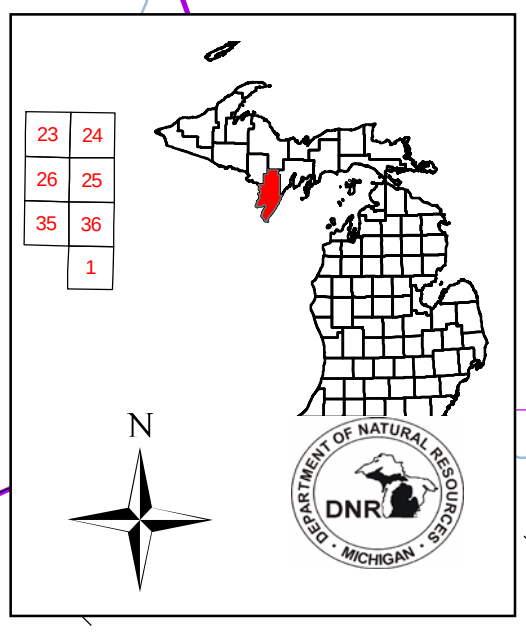
* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.

Cover Type & Treatment Map

Compartment: 070
T39N R26W
01
T40N R26W
23 24 25 26 35 36
County: Menominee
Unit: Escanaba
YOE: 2014
Acres: 1,918 GIS Calculated
Examiner: Not Entered
Map Revised: 07/19/2012
Map Phase: Pre-Review



Stand # 23
Stocking Density (412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code

Legend

- Miris Corners
- Remonumented Section Corners
- Survey Grade
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trails
- Snowmobile Trail
- Gate
- Berms
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

S Garbor Rd
Ten Mile Creek
Oliver Lake
Forty Seven Mile Creek

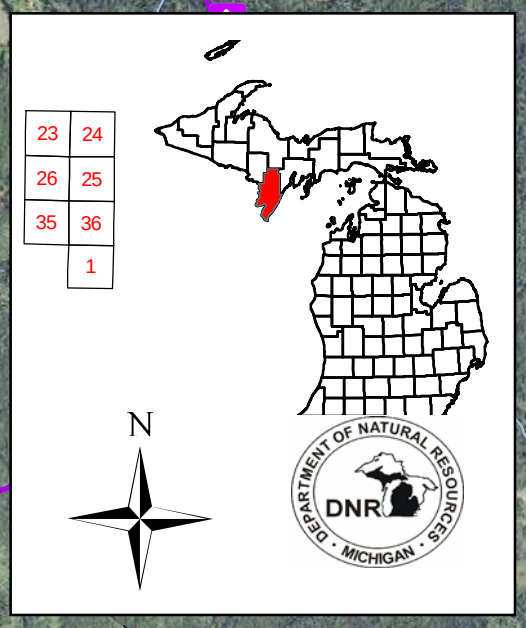
1 4130-A2
2 4191-MD6
3 6120-C5
4 4110-M5
5 4134-A3
6 4130-A3
7 623-N0
8 6121-T6
9 4115-M6
10 4319-UM3
11 6120-C6
12 4236-C8
13 4110-M6
14 4139-A6
15 6129-Q5
16 4130-A3
17 4110-M6
18 6122-S5
19 4130-A3
20 500-Z0
21 6121-T3
22 4110-M6
23 4134-A6
24 4134-A6
25 320-U0
26 4110-M6
27 6120-C6
28 622-L0
29 4134-A6
30 6115-E5
31 6120-C6
32 320-U0
33 330-U0
34 6120-C5
35 6128-Q6
36 4130-A2
37 4110-M6
38 4134-A6
39 6120-C4
40 6120-C6
41 6120-C6
42 4130-A2
43 4136-A3
44 6120-C6
45 4130-A3
46 4134-A3
47 6120-C6
48 6120-C5
49 4112-M6
50 6112-P2
51 6132-LM6
52 6112-P2
53 4110-M6
54 4319-UM6
55 4239-MC8

87°29'0"W
87°28'0"W
87°27'0"W
45°51'0"N
45°50'0"N
45°49'0"N

1 0.5 0 1 Miles

Stand Boundary Map

Compartment: 070
T39N R26W
01
T40N R26W
23 24 25 26 35 36
County: Menominee
Unit: Escanaba
YOE: 2014
Acres: 1,918 GIS Calculated
Examiner: Not Entered
Map Revised: 07/19/2012
Map Phase: Pre-Review



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Stocking Density
(412)0) - A7
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S Garbor Rd
Ida Mill Creek
Felch Grade
Oliver Lake
Forty Seven Mile Creek

23 24 25 26 35 36

1 4130-A2
2 4191-MD6
3 6120-C5
4 4110-M5
5 4134-A3
6 4130-A3
7 623-N0
8 6121-T6
9 4115-M6
10 4319-UM3
11 6120-C6
12 4236-C8
13 4110-M6
14 4139-A6
15 6129-Q5
16 4130-A3
17 4110-M6
18 6122-S5
19 4130-A3
20 500-Z0
21 6121-T3
22 4110-M6
23 4134-A6
24 4134-A6
25 320-U0
26 4110-M6
27 6120-C6
28 622-L0
29 4134-A6
30 6115-E5
31 6120-C6
32 320-U0
33 330-U0
34 6120-C5
35 6128-Q6
36 4130-A2
37 4110-M6
38 4134-A6
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41 6120-C6
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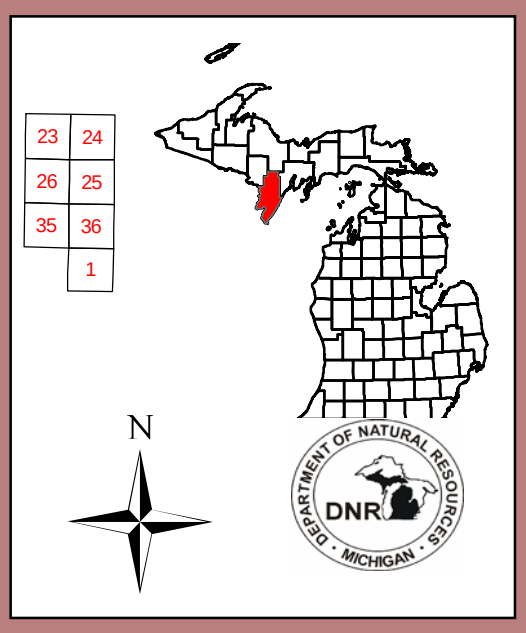
87°29'0"W
87°28'0"W
87°27'0"W
45°51'0"N
45°50'0"N
45°49'0"N

1 0.5 0 1 1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment: 070
T39N R26W
01
T40N R26W
23 24 25 26 35 36
County: Menominee
Unit: Escanaba
YOE: 2014
Acres: 1,918 GIS Calculated
Examiner: Not Entered
Map Revised: 07/19/2012
Map Phase: Pre-Review



Legend

Miris Corners
Remonumented Section Corners
Stand Boundaries

Proposed Special Conservation Areas

SCA - Special Conservation Area
SCA Removal

Dedicated Special Conservation Areas

Deer Wintering Areas

Forest Stands

Level 3

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Stand # 23 — Stocking Density
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