



**ESCANABA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 40 ENTRY YEAR: 2010
Compartment Acres 2327 County: Menominee**

Last Revision: July 25, 2008

Stand Examiner: Dan McNamee, FMFMD, Bill Rollo and Craig Albright, Wildlife Division

Legal Description: T36N- R25W SEC. 11, 12, 13, 14

Management Goals: Treatment of the hardwoods, mature aspen and lowland hardwoods will be done during this treatment period to move these stands along and increase productivity within these types.

Soil and Topography: Topography is level to slightly rolling. Soils are poorly drained, somewhat poorly drained, and well drained, sands and very poorly drained, extremely acid mucks and peats. Major soil series are Deford, Wainola, Rousseau, Dawson, Greenwood and Kinross.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This area is predominately State forest with small private lands in Section's 12 & 14. This area receives some use in the form of hunting, trapping, and dispersed camping.

Unique, Natural Features: N/A

Archeological, Historical, and Cultural Features: N/A

Special Management Designations or Considerations: A good portion of the west side of this compartment has been set aside as "Special Conservation Area (SCA)."

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This large compartment contains a substantial amount of lowland cover types, such as tag alder, lowland hardwoods, balsam poplar, black spruce, cedar, and swamp conifers. Together these types comprise 55% of the acreage. Aspen forest is also prevalent, making up 20% of the compartment. Most of the aspen is 10-29 years old and will be allowed to grow to rotation, but several stands will be harvested and regenerated providing additional habitat for early successional wildlife such as deer, ruffed grouse, and black bear. Hemlock stands are also prevalent in this compartment. These stands will be held without treatment for the time being as they are of modest age, have not regenerated reliably when treated, and are providing closed-canopy habitat that is valuable for winter wildlife residents. The matrix of lowland brush and timbered islands in the west portion of the compartment continue to be designated a "Special Conservation Area" to link with a bog/lowland habitat complex in Compartment 41 to the west.

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 Group underlies the glacial drift. The Trenton is quarried for stone west of Escanaba. This area has not been leased previously for metallic exploration. A gravel pit is located in Section 12 and potential appears to be good on the uplands. No economic oil and gas production has been found in the UP.

Vehicle Access: Good to fair for most of the compartment via the North Fox Road and North Branch of the North Fox Road. The northwest and west side of compartment is wet with little access into this area.

Survey Needs: Corners will be needed around the private land in Section 12.

Recreational Facilities and Opportunities: Hunting, trapping and dispersed camping.

Fire Protection: Area is not prone to a large fire with the timber types that make up this compartment. If fire should start, access to most of compartment is good.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **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, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: 40

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	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	150-159	All Aged	Total
Aspen			159	162	63	36	19			23									462
Black Spruce						10		7			15	3							35
Cedar											7	24	218						249
Grass	9																		9
Hemlock				65							31	17	136	7					256
LowInd Brush				34						25				409					468
LowInd Poplr				7	7	75	16												105
Marsh	14																		14
Mx Swmp Cnfr		18		8								20	14	7					67
Red Pine		9		5						6	2	22	22						66
Spruce Fir				37	2				23										62
Swamp Hrdwds				40		47	24	44	46	61	19							28	309
Tamarack				44															44
Upland Hdwds									4	43	28							74	149
Water	3																		3
White Pine			3		12							14							29
Total	26	27	162	402	84	168	59	51	73	158	102	100	390	423				102	2327

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

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MENOMINEE COUNTY

COMPARTMENT: 40

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total	
A Aspen	462																										462	
S Black Spruce		35																										35
C Cedar				249																								249
G Grass					9																							9
H Hemlock						177																				79	256	
L LowInd Brush									468																			468
P LowInd Poplr										105																		105
N Marsh											14																	14
Q Mx Swmp Cnfr												67																67
R Red Pine																66												66
F Spruce Fir																			62									62
E Swamp Hrdwds				29																280								309
T Tamarack																						44						44
M Upland Hdwds																								149				149
Z Water																									3			3
W White Pine																										29		29
Total	462	35		278	9	177			468	105	14	67			66				62	280	44			149	3	108	2327	

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: **40**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10704 Cds	Hardwood	1393 Cds
Hardwood	222 Mbf	Hardwood	39 Mbf
Softwood	13146 Cds	Softwood	493 Cds
Softwood	983 Mbf	Softwood	56 Mbf
Sum TotVol	26260 Cds	Sum CutVol	2076 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
2327		160	

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 40

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
26	E6	29	79	50	swamp hardwoods	immature	shelterwood-prep	1		
comnts Fmd : When marking this stand stay out of the wet areas that are predominately ash swales. Wld : Concur with FMFMD.										
29	W9	14	102	55	white pine	mature	shelterwood-prep	1		
comnts Fmd : Manage for pine, spruce, and fir mix. Check next decade for pine release. Possibly liquidate hardwoods. Good regen of Fb,Fs, Wp Wld : Concur with FMFMD.										
31	E6	21	79	46	swamp hardwoods	immature	thinning	1		
comnts Fmd : Mix of highground / lowground. Should treat this decade. Leave cedar where its heavy. Mark the low quality suppressed trees, leave the good quality bigger trees. Try to move this stand toward a nice quality redmaple stand Wld : Concur with FMFMD.										
41	M6	10		50	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Large Diameter R. Maple. Some R.maple is declining, dead tops showing. Small patch of White pine in southern tip, near the intersection of Camp "k" Rd. and 2track to the west. Leave some white birch component. Wld : Concur with FMFMD.										
44	A6	12	56	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : Mature aspen, Wld : Concur with FMFMD.										
45	P6	16	53	46	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	1		
comnts Fmd : Probably poorer site than to the east. Pole sized timber, smaller ash. Wld : Concur with FMFMD.										
49	F6	23	68	46	spruce-fir (uplands-including upland black spruce)	mature	shelterwood-prep	1		
comnts Fmd : Most of the birch is dead. Remove RM, A, Fs, Wb. Leave some Spruce for seed trees. Where Cedar is heavy stay out of, Where it is scattered take it. Leave a something of everything (legacy patches .1-.2 ac. Patches.) Wld : No cut hemlock. Do not cut any one species completely out of stand. Concur with FMFMD.										
52	M6	6		55	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Thinned commercially in 1977. PVT camp to the east, patches of H & C mixed in on south side of road going into camp. Small gravel pit located on west side of stand. Wld : No cut cedar or hemlock. Concur with FMFMD.										
56	R9	11	103	60	red pine	mature	selection	1		
comnts Fmd : Very nice red and white pine knoll. Understory of W, Fs, Fb, R very thick in most places. Wld : Concur with FMFMD.										
61	A6	7	49	50	aspen (upland)	two aged	selection	1		
comnts Fmd : Type has been cut over. Large mature aspen and some smaller aspen. Understory is F3, W3. Stand is converting to F-W type. Remove the mature Aspen, Balsam and Spruce. Protect the young conifer regeneration and saplings. Gravel Pit on west side of stand just of Camp "K" Rd. Wld : Concur with FMFMD.										
67	E6	11	78	50	swamp hardwoods	mature	selection	1		
comnts Fmd : Remove mature A, Fb, Fs. Be careful around creek. SE part of stand contains more conifer. Wld : Concur with FMFMD.										

Total Acres..... 160

**Proposed Treatments
With Limiting Factors**

Compartment: 40

Entry Year: 2010

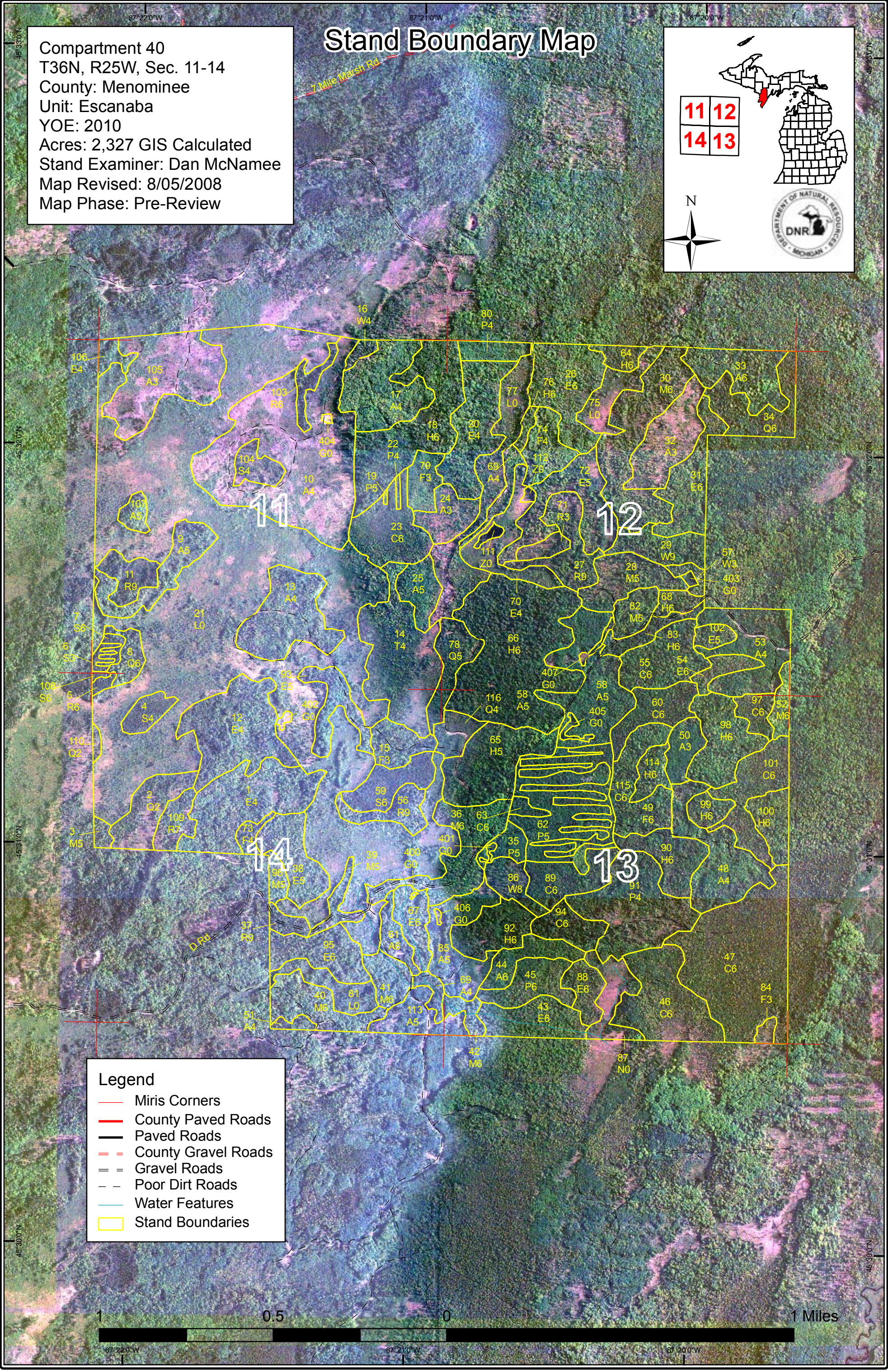
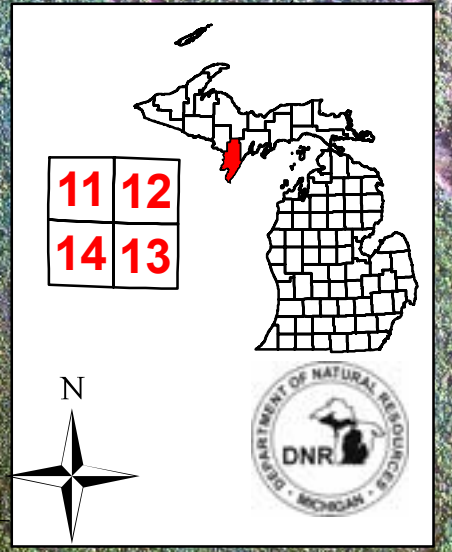
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Stand Boundary Map

Compartment 40
T36N, R25W, Sec. 11-14
County: Menominee
Unit: Escanaba
YOE: 2010
Acres: 2,327 GIS Calculated
Stand Examiner: Dan McNamee
Map Revised: 8/05/2008
Map Phase: Pre-Review



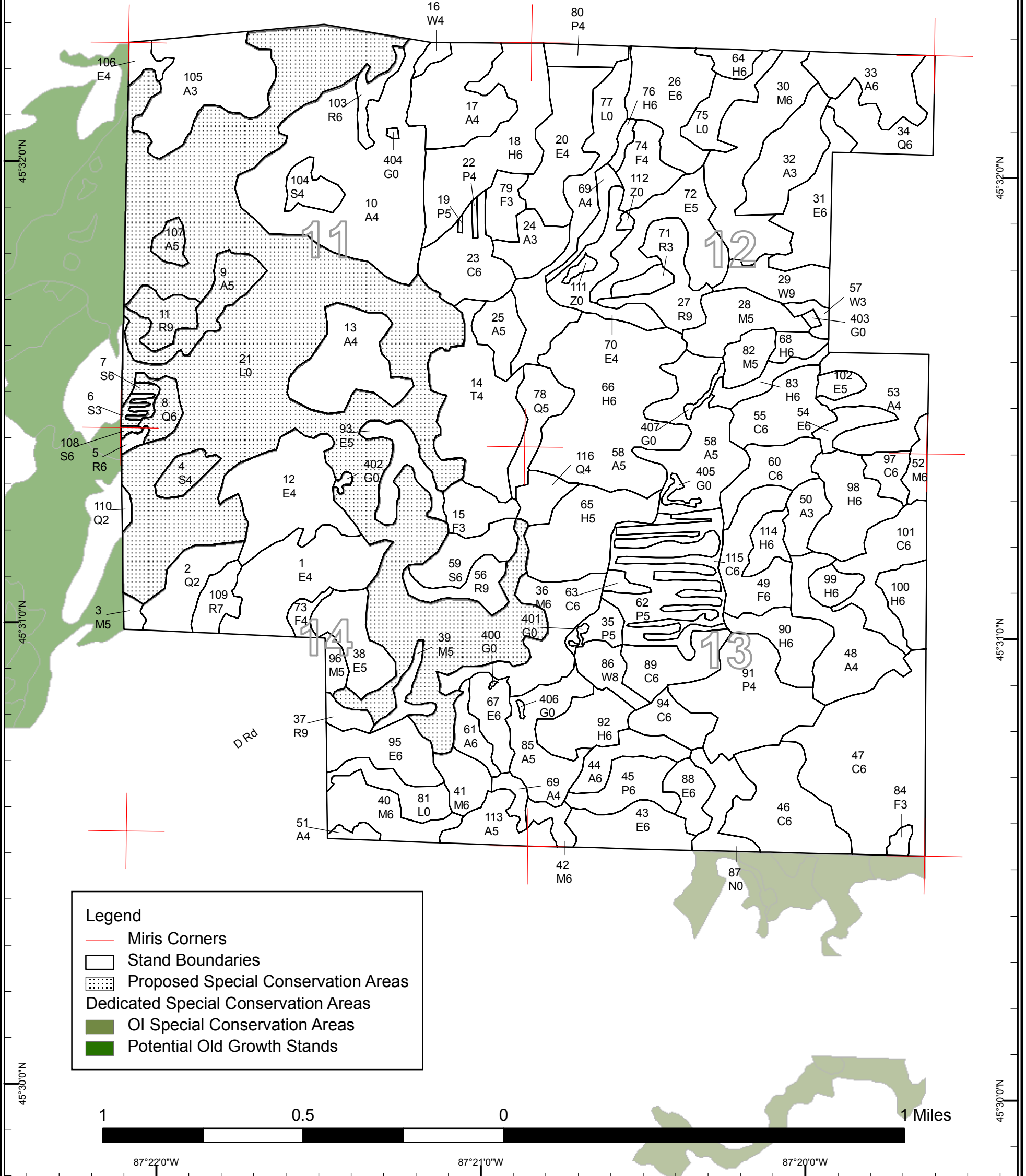
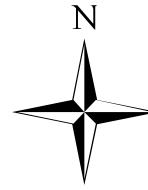
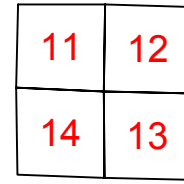
- Legend**
- Miris Corners
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - Water Features
 - Stand Boundaries

1 0.5 0 1 Miles

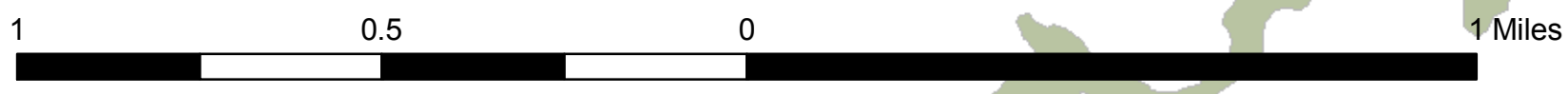
Dedicated & Proposed Special Conservation Area Map

Compartment 40
 T36N, R25W, Sec. 11-14
 County: Menominee
 Unit: Escanaba
 YOE: 2010
 Acres: 2,327 GIS Calculated
 Stand Examiner: Dan McNamee
 Map Revised: 8/05/2008
 Map Phase: Pre-Review

7 Mile Marsh Rd



- Legend**
- Miris Corners
 - Stand Boundaries
 - Proposed Special Conservation Areas
 - Dedicated Special Conservation Areas
 - Old Growth Special Conservation Areas
 - Potential Old Growth Stands



87°22'0"W 87°21'0"W 87°20'0"W

45°33'0"N
45°32'0"N
45°31'0"N
45°30'0"N

45°33'0"N
45°32'0"N
45°31'0"N
45°30'0"N



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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.