



ESCANABA FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT 81 ENTRY YEAR: 2011

Compartment Acreage: 1206 County: Delta

Revision Date: August 3, 2009

Stand Examiner: Dan McNamee, Forest, Mineral and Fire Management Division; Bill Rollo and Craig Albright, Wildlife Division

Legal Description: T38N-R24W Sections 25, 26, 34, 35, & 36

Management Goals: This compartment had a lot of treatments in the short-lived species types last entry period. This entry period will focus on the management of the pine and hemlock types where regeneration is established or where the pine types could use a thinning to enhance the growth of remaining trees.

Soil and Topography: Level to slightly rolling topography. Soils are poorly drained, somewhat poorly drained and well drained sands and very poorly drained, extremely acid mucks and peats. Major soil series are Rousseau, Ensley, Charlevoix, Carbondale, Tawas and Au Gres.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is part of a 3,440 acre block of state land that extends north approximately 4 miles. Ownership to the east is industrial private land (Plum Creek), and is managed intensively for forest products. The west and south ownership is primarily non-industrial private land and is used for hunting and recreation opportunities by the landowners.

Unique, Natural Features: N/A

Archeological, Historical, and Cultural Features: N/A

Special Management Designations or Considerations: Stands 49, 50, 84, 85, and 90 are designated as a Special Conservation Area to provide mature woodland habitat along a riparian corridor.

Watershed and Fisheries Considerations: N/A

Wildlife Habitat Considerations: This compartment contains a “hodge-podge” of various forest types in relatively small stands. Lowlands, which cover over half the compartment, are a mixture of cedar, swamp hardwoods, and balsam poplar. Cedar is showing some inclination to regenerate naturally in canopy gaps and along road sides, perhaps due to a taste aversion by deer. This landscape contains a high incidence of hemlock, red pine, and white pine in the uplands and a natural propensity for regenerating these conifer types. Even hemlock regeneration is impressive in several stands. Several treatments are proposed this decade to release upland conifer regeneration. Several stands along a creek drainage are classified as a Special Conservation Area to promote mature forest conditions along the riparian corridor.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and medium-textured glacial till. 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 36 and potential appears to be good on the uplands. No economic oil and gas production has been found in the UP.

Vehicle Access: This compartment can be accessed via the Makosky Road.

Survey Needs: None.

Recreational Facilities and Opportunities: Excellent opportunities exist for hunting, camping, and other forest associated recreational activities.

Fire Protection: The area is a low hazard area for fire. There are some “party spots” that could have potential for fire if the right conditions arise at certain times of the year. Access is good if a fire should break out in this area.

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

DELTA COUNTY

COMPARTMENT: 81

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		16		50	31														97
Cedar				10						10	36	42	46	229					373
Grass	10																		10
Hemlock											13	16	21		51				101
Lowlnd Brush	2												12						14
Lowlnd Poplr		16	28	28	19	23													114
Mx Swmp Cnfr		49																	49
Paper Birch									4										4
Red Pine										9	15	14	30						68
Spruce Fir				11	37														48
Swamp Hrdwds				8	8				92	8		48	7					6	177
Tamarack														8					8
Upland Hdwds		29							4									19	52
Water	1																		1
White Pine			15	9	4						16	40	6						90
Total	13	110	43	116	99	23			100	27	80	160	122	237	51			25	1206

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

ESCANABA RIVER STATE FOREST

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DELTA COUNTY

COMPARTMENT: 81

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	93																									4	97
C Cedar				345								28															373
G Grass					10																						10
H Hemlock						101																					101
L Lowlnd Brush									14																		14
P Lowlnd Poplr										114																	114
Q Mx Swmp Cnfr												49															49
B Paper Birch																			4								4
R Red Pine															68												68
F Spruce Fir																			48								48
E Swamp Hrdwds																			177								177
T Tamarack																				8							8
M Upland Hdwds																			4					48			52
Z Water																									1		1
W White Pine																										90	90
Total	93			345	10	101			14	114		77			68			56	177	8			48	1	94	1206	

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

DELTA COUNTY

COMPARTMENT: **81**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5427 Cds	Softwood	363 Cds
Softwood	14092 Cds	Softwood	77 Mbf
Softwood	670 Mbf	Sum CutVol	517 Cds
Sum TotVol	20859 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1206		60	

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 81

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
35	R9	25	109	55	red pine	mature	shelterwood-seed	1		prescribed for fdf treatment	
comnts Fmd : Nighthawk Ridge - Treated fall of 2003. Sale # 14-01-01. Stand was marked and selectively harvested. Good regeneration of pine already established. Long term plan is to regenerate this stand to Red pine. Stand is curenly filling in with white pine and some hemlock. Thin stand down to BA =50 to encourage red pine regeneration. Let stand regenerate to red pine and then harvest the rest of the red pine.											
52	H6	11	109	45	hemlock	mature	shelterwood-prep	1	natural regeneration		
comnts Fmd : JUST THINNED 1990. SCARIFY FOR HEMLOCK. GOOD WHITE PINE AND HEMLOCK REGENERATION. SHOULD OPEN UP THE CROWN CLOSURE TO RELEASE THE REGENERATION IN 10 YEARS IF SCARIFICATION WORKS. CUT HALF OF THE STAND AND LEAVE HALF, MONITOR WHATS GOING ON IN THIS STAND. 2009-Split stand this is on north side of road. Did not do scarification. Regen should be released. Lots of white pine regen 5-7' tall, hemlock is 3-5' tall. Lots of hemlock 2-6" on the ground. Release areas where regen is good, enlarge the gaps and open up the stand to allow smaller hemlock regen to be released.											
57	W8	3	104	50	white pine	immature	thinning	1			
comnts Fmd :											
60	R6	9	79	65	red pine	immature	thinning	1			
comnts Fmd : STAND CUT UNDER PERMIT 38-91-1, BROKEN CHAIN PINE SALE", CUT IN 1993											
88	R9	4	95	55	red pine	immature	shelterwood-seed	1			
comnts Fmd : Nice red pine along road.											
106	R6	8	89	55	red pine	immature	shelterwood-prep	1			
comnts Fmd : Was stand 114, Mark the red pine, Create canopy gaps big enough to have stand regenerate to red pine.											
Total Acres.....		60									

**Proposed Treatments
With Limiting Factors**

Compartment: 81

Entry Year: 2011

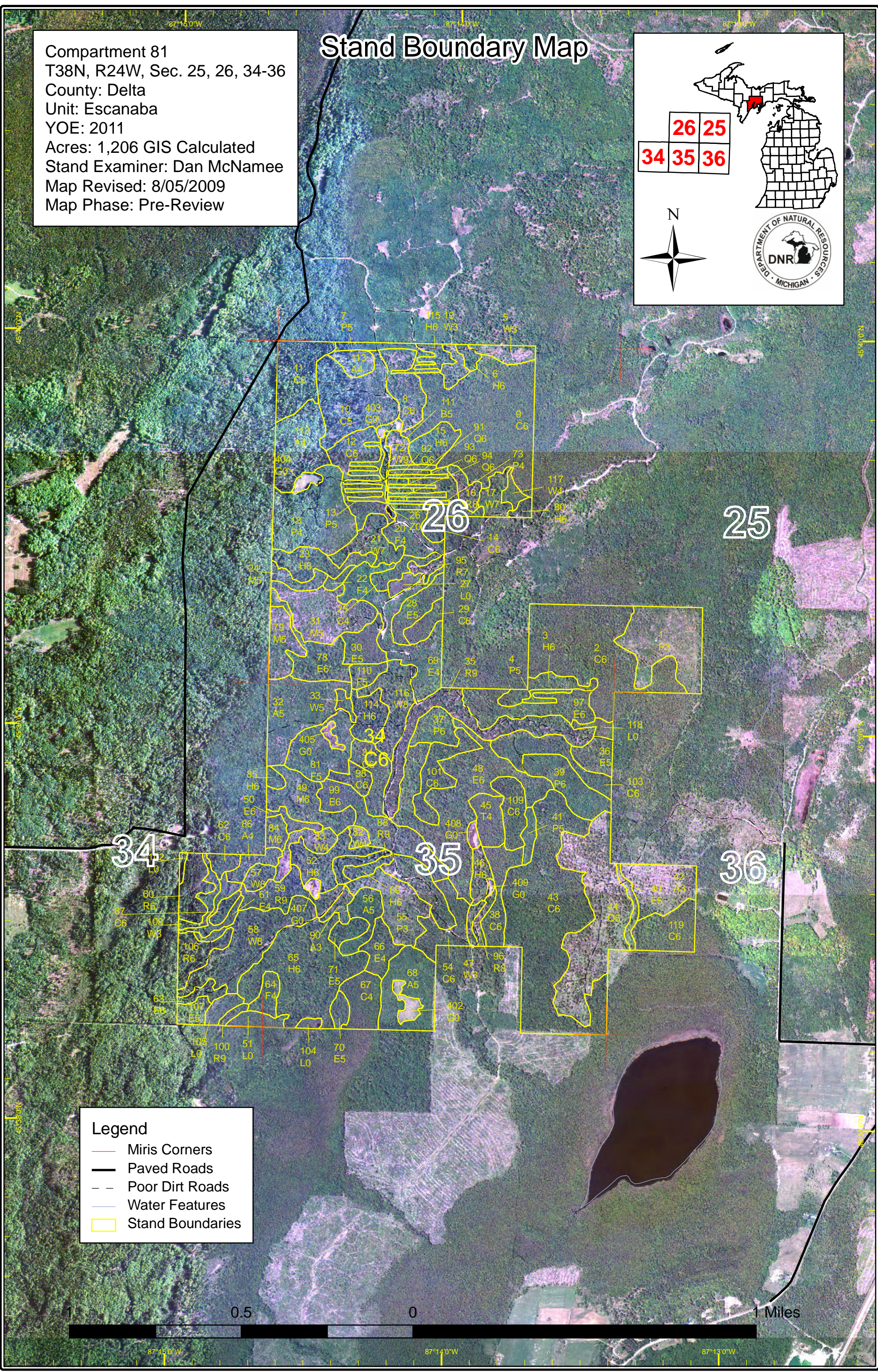
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Stand Boundary Map

Compartment 81
 T38N, R24W, Sec. 25, 26, 34-36
 County: Delta
 Unit: Escanaba
 YOE: 2011
 Acres: 1,206 GIS Calculated
 Stand Examiner: Dan McNamee
 Map Revised: 8/05/2009
 Map Phase: Pre-Review



Legend

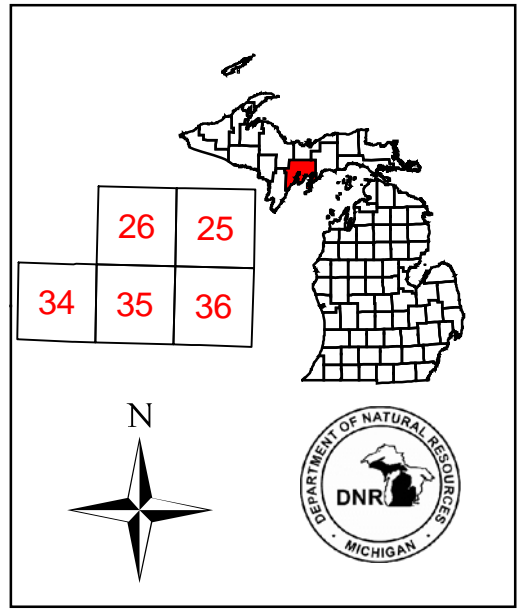
- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Water Features
- Stand Boundaries



87°15'0"W 87°14'0"W 87°13'0"W

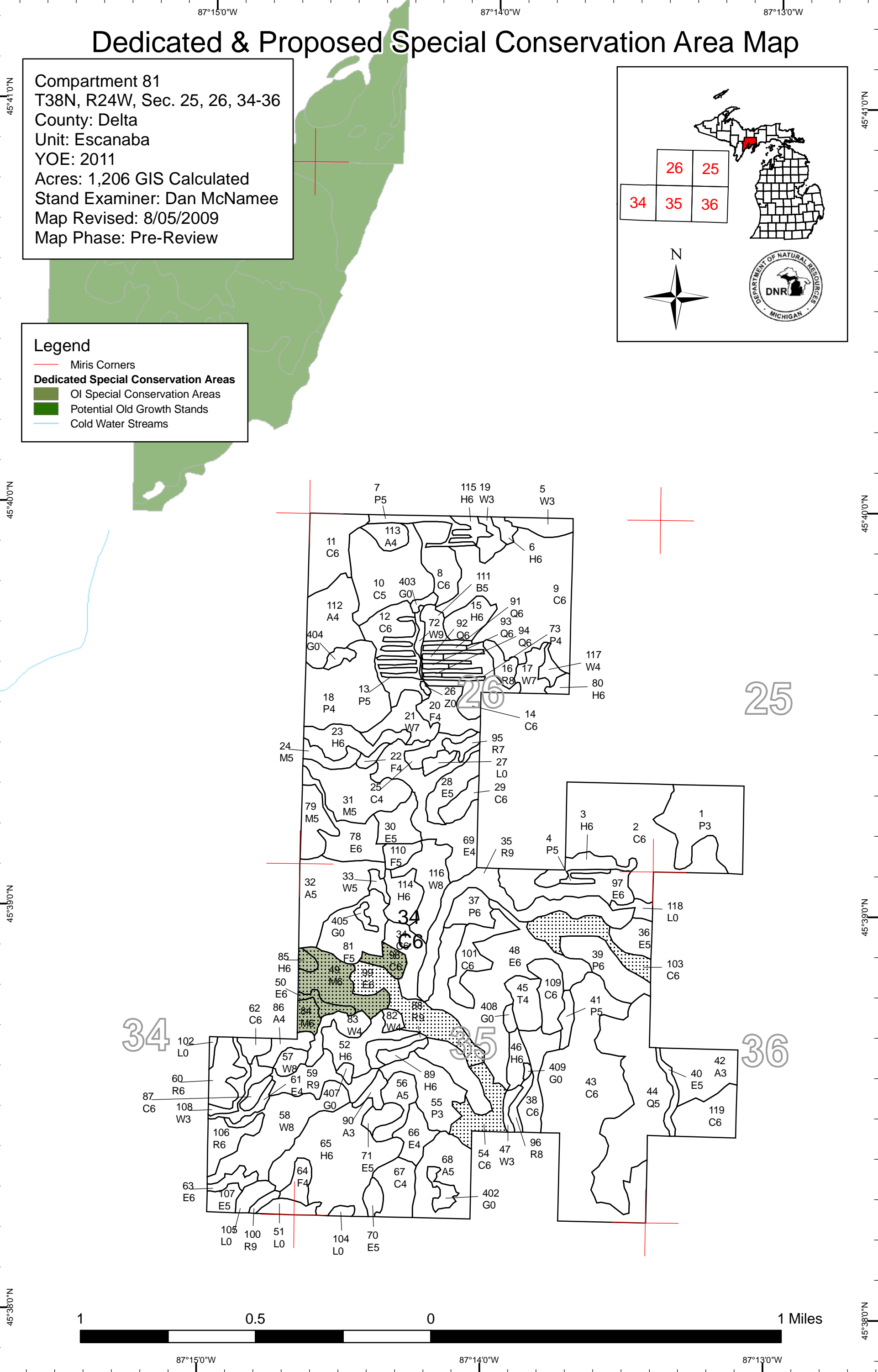
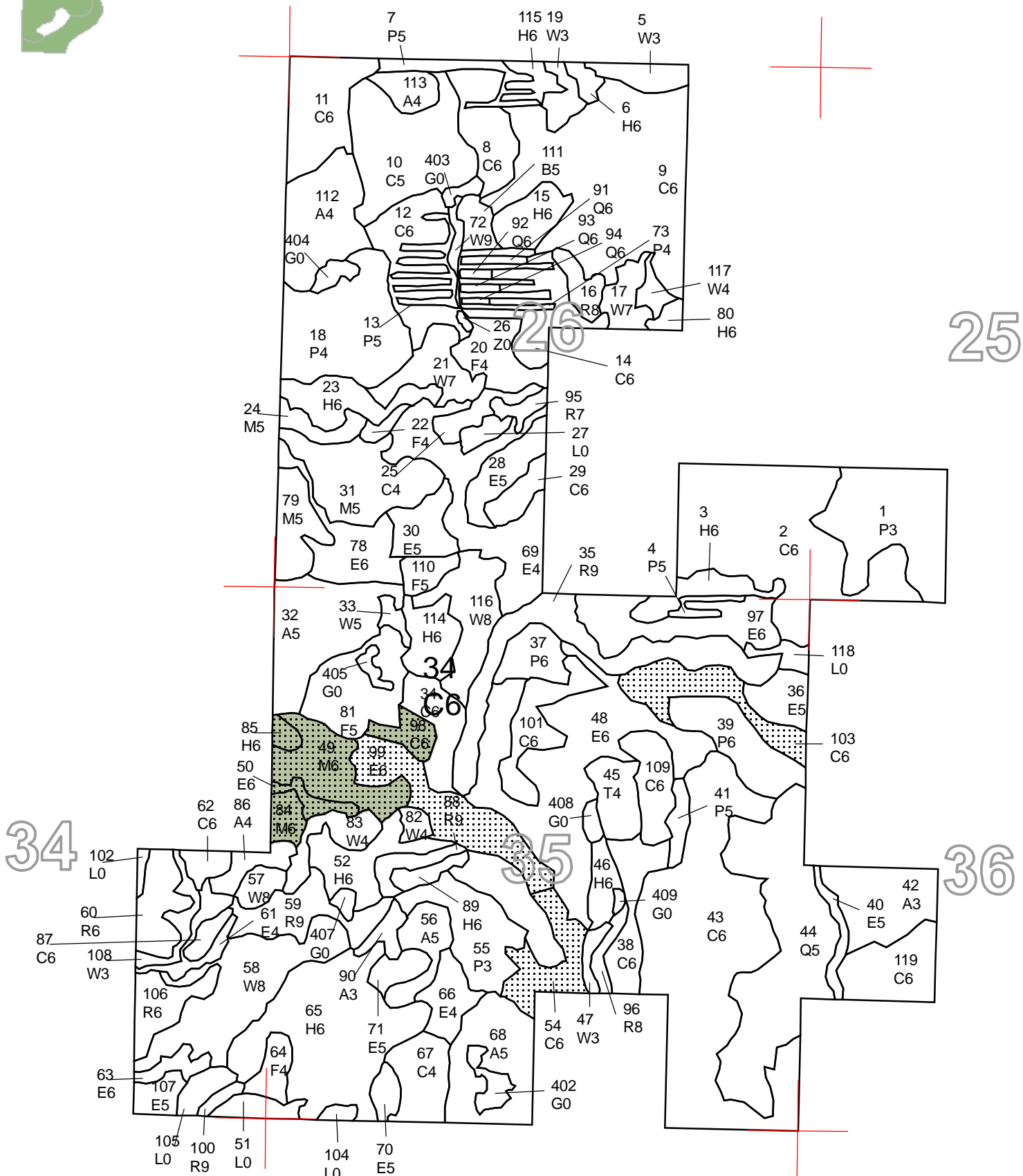
Dedicated & Proposed Special Conservation Area Map

Compartment 81
 T38N, R24W, Sec. 25, 26, 34-36
 County: Delta
 Unit: Escanaba
 YOE: 2011
 Acres: 1,206 GIS Calculated
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 Map Revised: 8/05/2009
 Map Phase: Pre-Review



Legend

- Miris Corners
- Dedicated Special Conservation Areas**
- OI Special Conservation Areas
- Potential Old Growth Stands
- Cold Water Streams





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
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