



**ESCANABA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #086    ENTRY YEAR: 2010  
Compartment Acreage: 838    County: DELTA**

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*Last Revision: July 25, 2008*

**Stand Examiner:** Dan Racine, Forester, FMFMD; Bill Rollo and Craig Albright, Wildlife Division

**Legal Description:** T41N, R23W Sections 21, 22, and 28

**Management Goals:** The compartment consists of 61 acres of upland types proposed for harvest and 8 acres of lowland types. The upland cover types proposed for harvest consist of spruce and fir, and aspen. The lowland types consist of mixed swamp conifer. The major upland stand proposed for harvest is a 51 acre aspen stand that runs the length of a ridge. There are smaller aspen and upland spruce and fir stands accessible from this ridge. Limiting factor stands will be added if access and weather conditions exist for harvest. Within the lowland types the harvest objective is to maintain a mix of species by regenerating the stand. The access for land management activities within this compartment will almost always be through private property and require winter harvests.

**Soil and Topography:** The topography within this compartment is mostly level. The soils within this compartment consist of Carbondale, Cathro, Charlevoix, Ensley, and Trenary.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is small and isolated from other state lands. Private property surrounds this compartment with some agricultural land holdings.

**Unique, Natural Features:** None

**Archeological, Historical, and Cultural Features:** None known

**Special Management Designations or Considerations:** None

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** The majority of this small compartment is wet tamarack forest and mixed swamp conifer in which treatments are not practical or desirable. Although wildlife species richness is not high in this type of forest community, some wildlife species are adapted to these conditions, including several types of warblers, snowshoe hare, and spruce grouse. Access to the public is very limited. A parking lot was constructed on Co. Rd. 519 in 2000 using a grant from Wildlife Unlimited of Delta County. This provides a place to park and penetrate into the southern portion of the area, but for all practical purposes, this compartment is accessible only by surrounding landowners. Several aspen stands were harvested and regenerated in past decades providing habitat for early successional wildlife. This decade, several more stands are mature and will likewise be regenerated. Two upland brush stands in the northern portion of the compartment will be retained for wildlife use rather than planting them to spruce. They will function as woodcock singing and roosting grounds, turkey and grouse brood range, deer foraging areas, and other wildlife purposes.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of 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 and may overlap Precambrian aged rocks which may have metallic and nonmetallic mineral potential. This area has not been previously leased for metallic exploration, but some lands in this area have been. Gravel pits are located in the area and there should be potential. No economic oil and gas production has been found in the UP.

**Vehicle Access:** There is a quarter mile of frontage along county road 519 on the west side with a designated parking lot. There is no access for vehicles into the interior of the compartment.

**Survey Needs:** The corners exist for the proposed treatments.

**Recreational Facilities and Opportunities:** A parking lot was created off county road 519 for walking access to the interior of the compartment. The major recreational pursuit within this compartment is hunting. Also, camping and hiking opportunities exist.

**Fire Protection:** There are no hazard fuels in this area.

**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**

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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: 86

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		96	35	42	29				64										266
Lowlnd Brush	5							16											21
Marsh	11																		11
Mx Swmp Cnfr								43	22	8		15							88
Non Stocked	1																		1
Spruce Fir									5	1									6
Swamp Hrdwds								12	3										15
Tamarack				104				308											412
Upland Brush			18																18
Total	17	96	53	146	29			379	94	9		15							838

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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: **86**

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	266																										266
L Lowlnd Brush									21																		21
N Marsh											11																11
Q Mx Swmp Cnfr												88															88
X Non Stocked													1														1
F Spruce Fir																			6								6
E Swamp Hrdwds																				15							15
T Tamarack																					412						412
U Upland Brush													10										8				18
<b>Total</b>	266								21		11	88	11						6	15	412		8				838

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

DELTA COUNTY

COMPARTMENT: **86**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2359 Cds	Hardwood	1195 Cds
Softwood	4636 Cds	Softwood	549 Cds
Sum TotVol	6995 Cds	Sum CutVol	1744 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
838		78	

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 86**

**Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
<b>7</b>	<b>F6</b>	1	79	70	spruce-fir (uplands-including upland black spruce)	immature	final harvest	2	natural regeneration	
<p>comnts Fmd : 2010 OI Comments=&gt; This stand was not harvested the last time. There is more balsam than aspen now with an A1 understory. Final Harvest this stand with a limiting factor of access. The stand may be harvested with stand 18 but access would be difficult. Harvest all species and leave the non merchantable spruce and balsam fir and possibly some merchantable spruce if any. If the stand is not accessibly then may look at treating when stand 19 is treated. Previous OI Comments=&gt; Small stand, but could be cut with stands 1, 5, and 9.</p> <p>Wld : Concur with FMFMD.</p>										
<b>9</b>	<b>F6</b>	5	70	58	spruce-fir (uplands-including upland black spruce)	mature	final harvest	1	natural regeneration	
<p>comnts Fmd : 2010 OI Comments=&gt; Lot of blowdown here, this stand is almost too far gone. Regeneration may be questionable. Final harvest this stand with stands 18,15,13, and 17. Harvest all species and leave the non merchantable spruce fir. There is aspen, birch, and white spruce here as well. Previous OI Comments=&gt; Aspen bad shape. Lot of blowdown. BP snapped off. Overmature stand. Cut with timber sale combining stands 1, 5, and 7.</p> <p>Wld : Concur with FMFMD.</p>										
<b>13</b>	<b>Q6</b>	8	87	54	mixed swamp conifer	immature	final harvest	2	natural regeneration	
<p>comnts Fmd : 2010 OI comments=&gt; This stand is very wet right now. There is open areas with balm and aspen filling in with cedar, spruce,birch,balm and aspen in the overstory. There is not a lot of quality here. Harvest this stand with stands 18,15,9,17 Final harvest this stand with an intent to regenerate the balm, aspen, spruce and fir. Could leave some spruce and balsam fir seed trees. Leave the 1/10th acres of cedar within the stand. Acceptable regeneration of aspen,balm, and birch.Nice stand. Previous OI comments=&gt; Fairly dry terrain. Scattered aspen dying out.</p> <p>Wld : Leave the small island of upland cedar found within this stand, approximately 1/10th of an acre. This cedar is 20-30 inch dbh and WLD would like this retained. If FMFMD would like assistance, the technician will be available to help paint. Concur with FMFMD.</p>										
<b>15</b>	<b>A6</b>	3	68	58	aspen (upland)	mature	final harvest	1	natural regeneration	
<p>comnts Fmd : 2010 OI Comments=&gt; Lots of blowdown of aspen and balsam here. Final harvest this stand harvesting all species and leave smaller spruce and fir within the stand. Possible leave of spruce seed trees. Acceptable alternate regeneration of spruce and fir.</p> <p>Wld : Concur with FMFMD.</p>										
<b>17</b>	<b>A6</b>	1	68	58	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : 2010 OI comments=&gt; Balsam fir blowdown here. Small island that can be treated with stand 18. Aspen is in decent shape yet. Final harvest this stand; Harvest everything. Acceptable regeneration of F. Leave the submerchantable spruce and balsam. Access to this stand will have to be in the winter but should not be a problem.</p> <p>Wld : Concur with FMFMD.</p>										
<b>18</b>	<b>A6</b>	51	72	70	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : 2010 OI comments=&gt; This stand has birch, hemlock, and cedar as well. Some large pine mostly dead. Mix of big tooth and quaking aspen. The access will be through private on a road used for a previous timber sale. Prescription: Final harvest this stand, harvesting everything but could leave a pocket of cedar along edge. Leave the pine and hemlock. Acceptable regeneration of F. Leave sub merchantable spruce and balsam. Previous OI Comments=&gt; Big quaking aspen, overmature. Manage for a aspen/fir mix. Bigtooth on ridge. Nice stand. Might want to hold up to 10 years.</p> <p>Wld : Up to 102 chords of cedar may be taken from this stand. WLD recommends retention of some cedar, along with the pine and hemlock. Concur with FMFMD.</p>										

**Total Acres..... 69**

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 86**

**Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>16</b>	<b>A6</b>	1	68	58	aspen (upland)	mature	final harvest	2	natural regeneration	

TREATMENT LIMITING FACTORS: Too wet

comnts Fmd : 2010 OI Comments=> This stand is ready but access is a problem. Final harvest with a limiting factor of access due to wet conditions. Harvest everything but leave some smaller spruce and fir and possibly spruce seed trees. If feasible harvest this stand with 18.

Wld : Concur with FMFMD.

<b>32</b>	<b>A6</b>	2	75	60	aspen (upland)	mature	final harvest	2	natural regeneration	
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TREATMENT LIMITING FACTORS: Too wet

Inadequate volume due to small acreage

comnts Fmd : 2010 OI Field Comments=> Lot of blowdown of balsam and aspen here. Final Harvest this stand harvesting all species leaving the non merchantable spruce and fir in the understory. Could possibly leave some spruce seed trees if available at time of harvest. This stand is small and difficult to access with low areas and private property access together. If these stands are not harvested this treatment period then include with a sale with stands 25,26,31 and 34. Acceptable alternate regeneration of F type. Previous OI Comments=> Small stand, but could pick-up when stands 24, 25, and 34 are cut. Overmature. Conks. Nice stand.

Wld : Concur with FMFMD.

<b>34</b>	<b>A6</b>	6	73	55	aspen (upland)	mature	final harvest	2	natural regeneration	
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TREATMENT LIMITING FACTORS: Adjacent landowner denies access

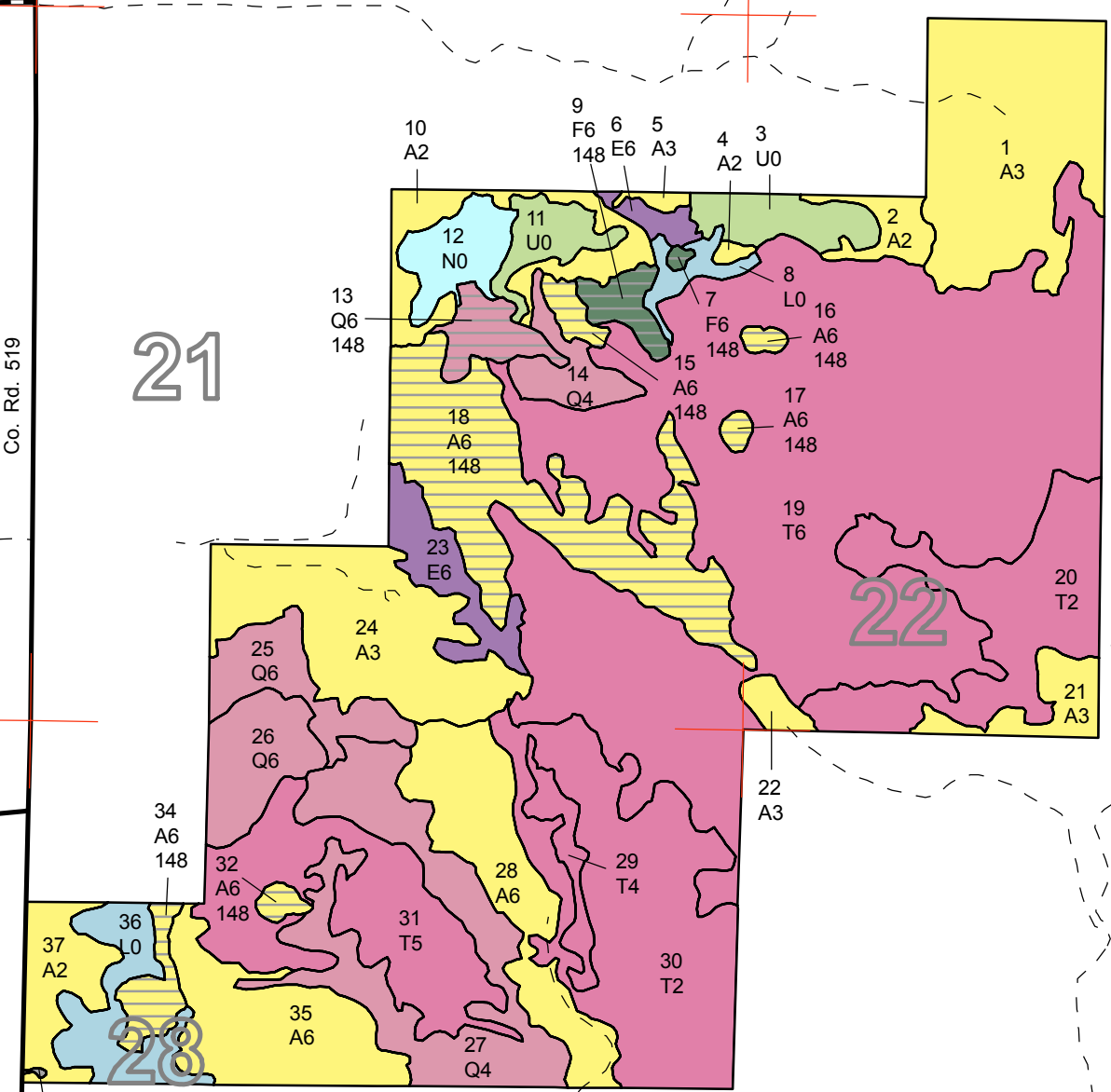
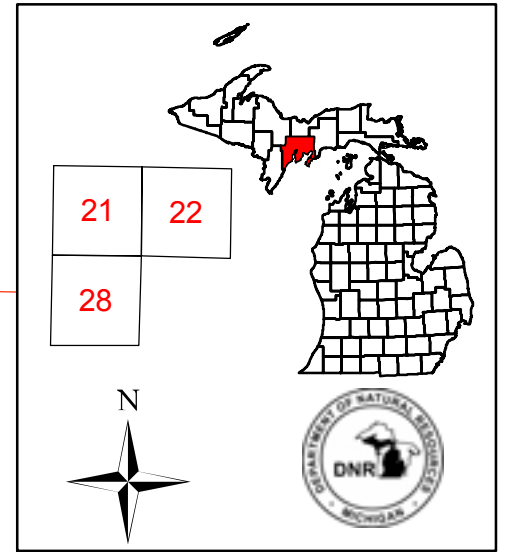
comnts Fmd : 2010 OI Comments=> The balsam fir is dead or dying. There is spotty cedar here with some dead aspen. The understory is F and A and L. Not a high priority due to the access. Final Harvest this stand leaving the submerchantable spruce and fir and leave some spruce seed trees if possible. Access to this stand is through private property. Previous OI Comments=> Fir defoliation. Aspen overmature. Broken tops in aspen. Mge for aspen/fir mix. Cut when stands 24, 25, and 32 are cut.

Wld : Concur with FMFMD.

**Total Acres..... 9**

# Covertime & Treatment Map

Compartment 86  
 T41N, R23W, Sec. 21, 22, 28  
 County: Delta  
 Unit: Escanaba  
 YOE: 2010  
 Acres: 838 GIS Calculated  
 Stand Examiner: Dan Racine  
 Map Revised: 8/08/2008  
 Map Phase: Pre-Review

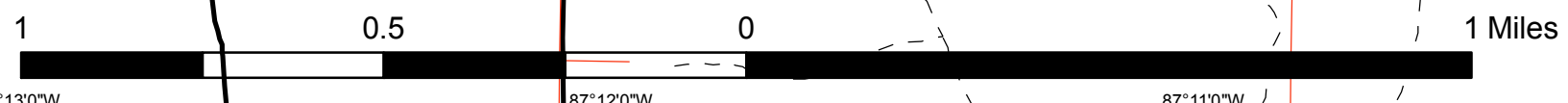


**Legend**

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

**Treatments**

- 148 - Final Harvest/Natural Regeneration/Other
- A - Aspen
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- L - Lowland Brush
- N - Marsh
- Q - Mixed Swamp Conifers
- T - Tamarack
- U - Upland Brush
- X - Non-Stocked



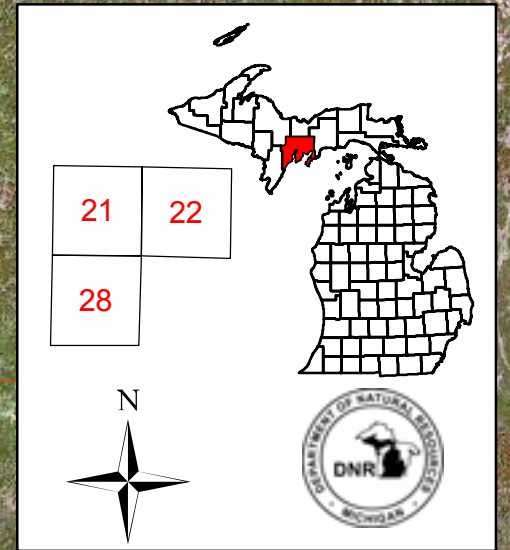
87°13'0"W      87°12'0"W      87°11'0"W      87°10'0"W      87°9'0"W

45°56'0"N      45°55'0"N

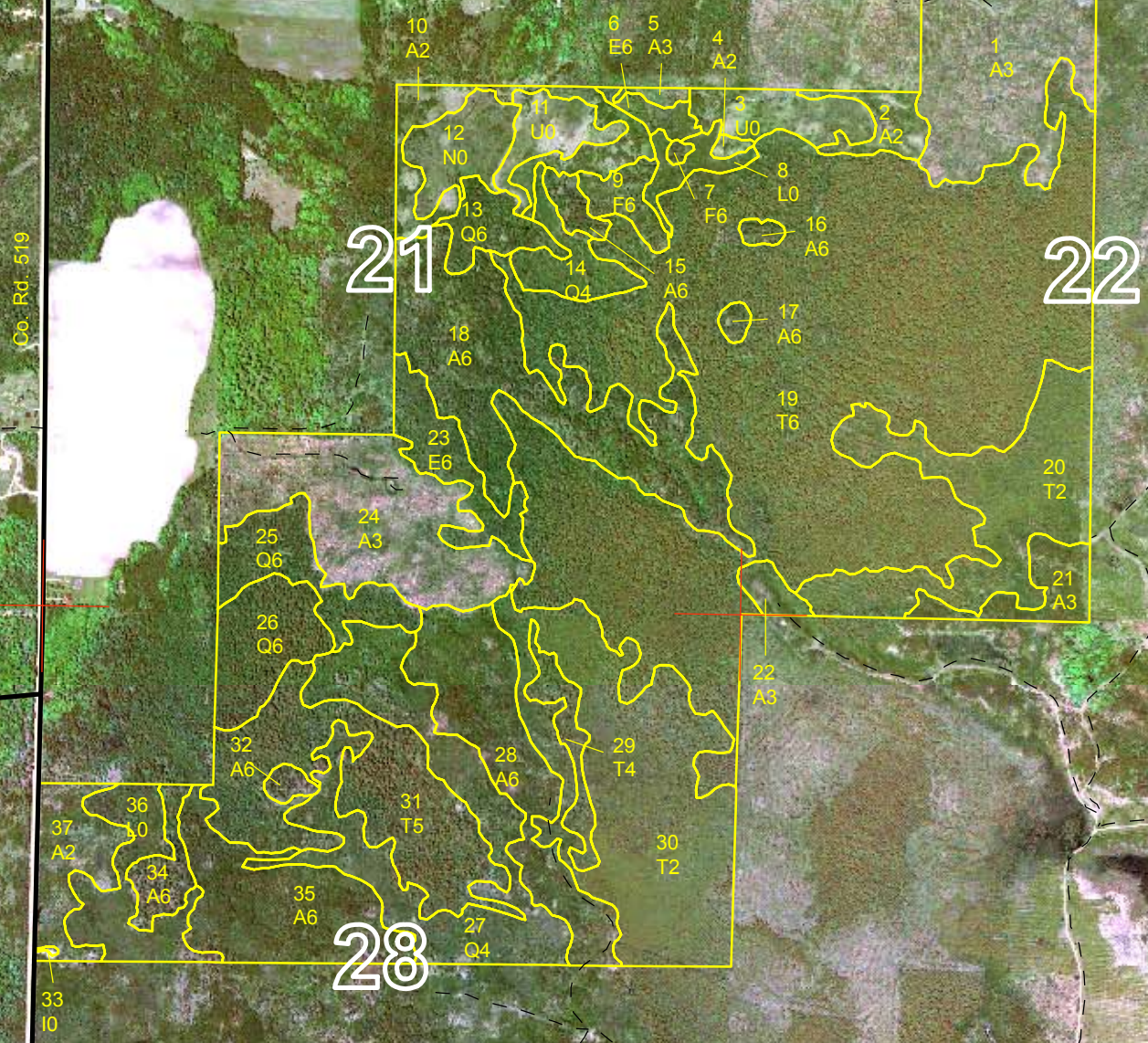
87°13'0"W      87°12'0"W      87°11'0"W      87°10'0"W      87°9'0"W

# Stand Boundary Map

Compartment 86  
T41N, R23W, Sec. 21, 22, 28  
County: Delta  
Unit: Escanaba  
YOE: 2010  
Acres: 838 GIS Calculated  
Stand Examiner: Dan Racine  
Map Revised: 8/08/2008  
Map Phase: Pre-Review



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

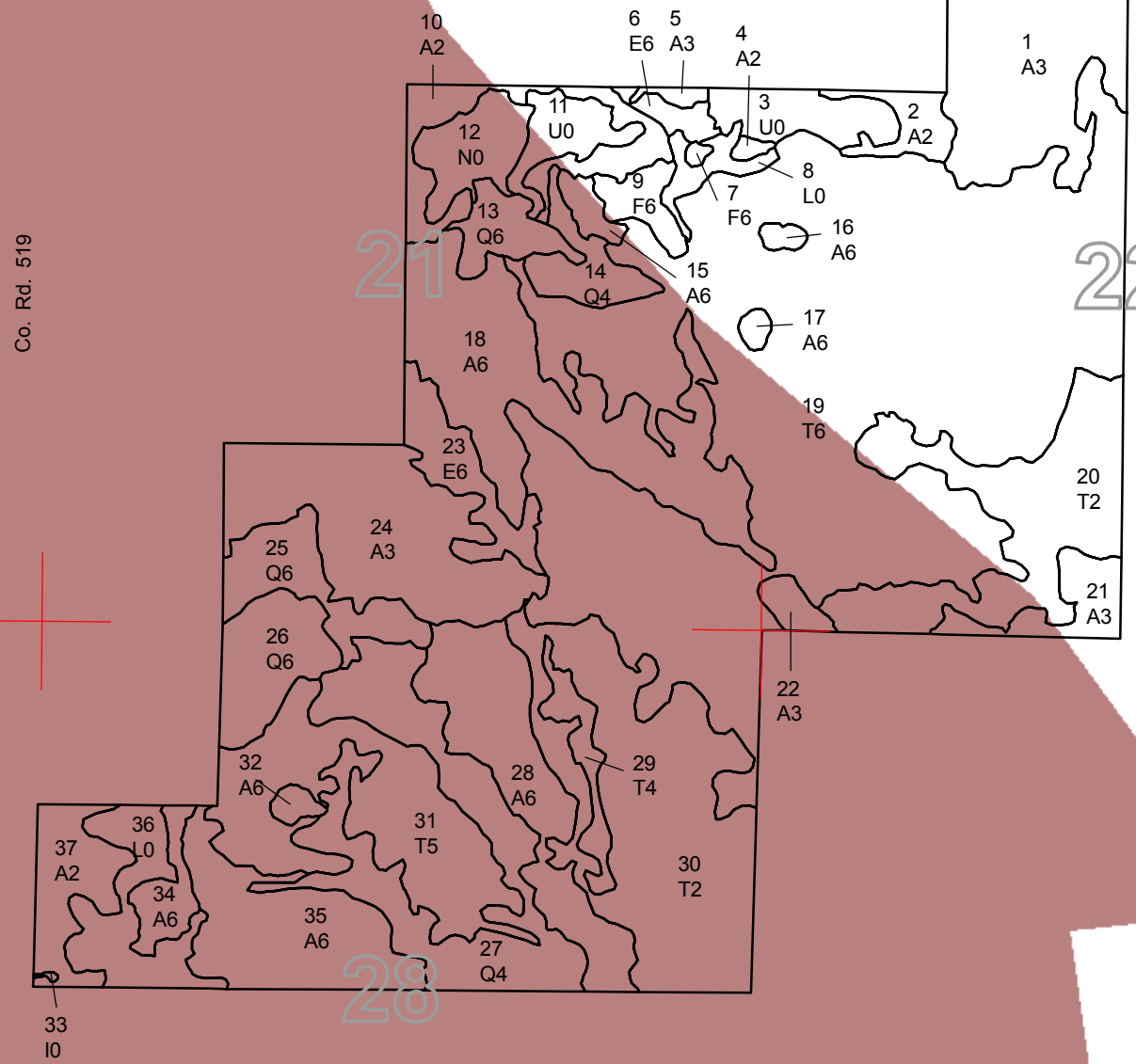


# Dedicated & Proposed Special Conservation Area Map

Compartment 86  
 T41N, R23W, Sec. 21, 22, 28  
 County: Delta  
 Unit: Escanaba  
 YOE: 2010  
 Acres: 838 GIS Calculated  
 Stand Examiner: Dan Racine  
 Map Revised: 8/08/2008  
 Map Phase: Pre-Review

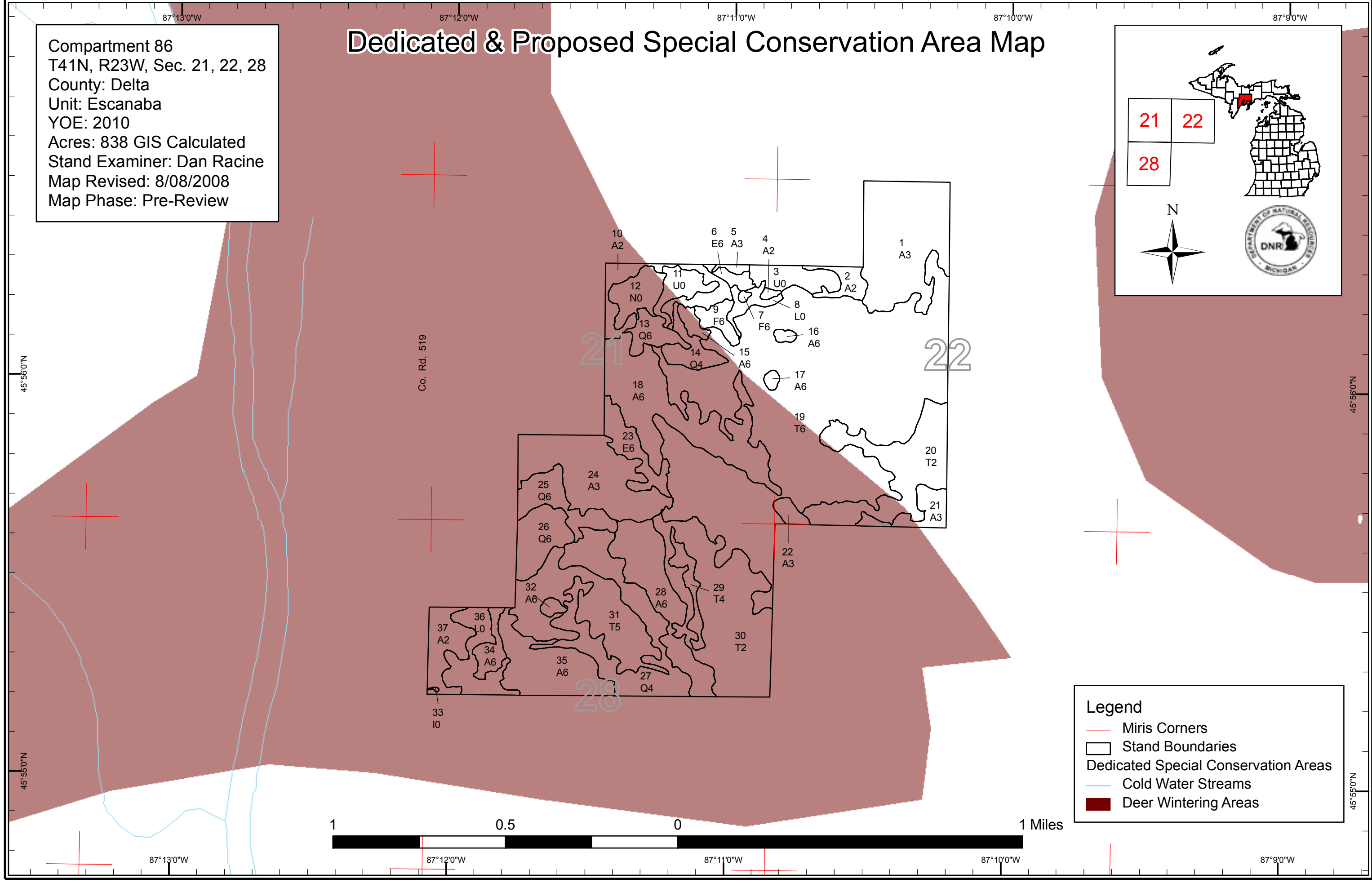
21 22  
 28

N



**Legend**

- Miris Corners
- Stand Boundaries
- Dedicated Special Conservation Areas
- Cold Water Streams
- Deer Wintering Areas





**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.