



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 1 ENTRY YEAR:2010
Compartment GIS acres: 1317 County:Marquette

Revision Date:7/23/2008

Stand Examiner: John Koski

Legal Description: T45N R23W, Sections 34,35,36

Management Goals: Strive to perpetuate the component of aspen, mixed conifer swamp types, and dry mesic conifers where they now occur.

Soils and topography: Ranges from level swamps and wetland drainages to upland ridges.

Ownership Patterns, Development, and Land Use in and Around the Compartment: One private camp, in section 36. Adjacent lands are similar, with State ownership to the south, private ownership to the north, west and east..

Unique, Natural Features: Sucker Creek runs through the compartment.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: : SCA-Potential Old Growth stands:13,14,27,28,47,48,50,67,68,70,74,75,79,82,83,84,85,86,87,92.

Watershed and Fisheries Considerations:

Wildlife Habitat. Maintain and protect riparian “Special Conservation Area” stands as movement corridors and core habitat for a multitude of game and nongame wildlife species/communities. Promote habitat legacies in all “Special Conservation Area” stands. Maintain or enhance biodiversity in northern hardwood stands through conservation/sustainment of all associated overstory and understory species, with a particular focus on providing mesic conifer species in all forest strata.

Mineral Resource and Development Concerns and/or Restrictions: Sections 34 - 36, T45N-R23W, Marquette County

Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River Group subcrops below the glacial drift. This formation is quarried in the UP for dolostone. A gravel pit is located one mile to the north and potential appears to be good on uplands. Abandoned iron mines are located twelve miles to the west. This compartment has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP

Vehicle Access: Fair to most parts of the compartment, via two track roads and CR 533.

Survey Needs: None.

Recreational Facilities and Opportunities:Hunting, fishing, trapping, ORV, and snowmobile riding.

Fire Protection: Within the Gwinn Mgmt. Unit area of fire protection.

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**

9/23/2008 10:38:09 AM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 1

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																Total	
		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
Aspen		19	108	20															147
Black Spruce									24										24
Bog or Marsh	22																		22
Cedar											2		15						17
Grass			2									2						2	6
LowInd Brush	41																		41
LowInd Poplr		35						42											77
Marsh	10		9																19
Mx Swmp Cnfr										31	22			4					57
Spruce Fir			14	12					8	24									58
Swamp Hrdwds									49			24			11			59	143
Upland Hdwds													7					692	699
Water	7																		7
Total	80	54	133	32				42	81	55	24	26	22	4	11			753	1317

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 1

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10802 Cds	Hardwood	1038 Cds
Hardwood	528 Mbf	Softwood	357 Cds
Softwood	3118 Cds	Sum CutVol	1395 Cds
Sum TotVol	14976 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	124
	1317		

9/23/2008 10:38:17 AM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 1

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	147																										147
S Black Spruce		24																									24
V Bog or Marsh			22																								22
C Cedar				17																							17
G Grass					6																						6
L LowInd Brush									41																		41
P LowInd Poplr										77																	77
N Marsh											19																19
Q Mx Swmp Cnfr												35							22								57
F Spruce Fir																			58								58
E Swamp Hrdwds												9							15	119							143
M Upland Hdwds																								699			699
Z Water																									7		7
Total	147	24	22	17	6				41	77	19	44							95	119				699	7		1317

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 1

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
38	M6	19		47	northern hardwood	unevenaged	selection	3	planting		
<p>comnts Fmd : M6F4, POOR HDWD. MOST SPROUT ORIGIN. CUT NOW, POOR ACCESS FROM THE NORTH, HAVE TO CROSS WET AREA, WINTER JOB. Cut to 60-70 basal area when treating the stand.</p> <p>Wld : High proportion of soft maple in overstory. White spruce, aspen, cedar, and cherry present in overstory. Infrequent white spruce and white pine saplings. Retain at least 1/2 of the spruce, yellow birch, aspen, and cherry stems found in the overstory. Strive to improve the representation of the larger size classes of hardwood within the stand. Leave all cedar, hemlock, and white pine. Underplant mesic conifers if overstory treated.</p>											
41	M6	15		52	northern hardwood	unevenaged	selection	3			
<p>comnts Fmd : M6M7, CUT NOW, POOR WET ACCESS FROM THE NORTH</p> <p>Wld : Conifer component to overstory is lacking. Stand dominated by sugar maple. Sugar maple with diameters up to 24 inches Dbh are present. Retain a portion of these larger diameter hardwoods. Black cherry, aspen, and yellow birch found in canopy. Some scattered 1.5 foot tal white pine seedlings present. Retain at least 50% of the aspen, cherry, and yellow birch within stand. Leave any hemlock, cedar, and white pine.</p>											
51	M6	48		59	northern hardwood	unevenaged	selection	3	planting		
<p>comnts Fmd : M6M7A4F4,POCKETS OF LOW GROUND WITH ASPEN IN THIS STAND, CUT NOW . WET ACCESS COULD BE A PROBLEM. SHOULD BE WINTER CUT.</p> <p>Wld : Areas with high red maple and hemlock stocking. Other areas have very large red maple, yellow birch, and sugar maple present. Ridges and wet swales scattered about stand. Hemlock groves. Cedar, white pine, aspen, black cherry and yellow birch in overstory. Retain at least 50% of the aspen, spruce, black cherry, and yellow birch. Leave all hemlock, white pine, and cedar. White spruce and white pine saplings common. Infrequent 1.5 foot tall hemlocks - very robust. Underplant mesic conifers if overstory treated.</p>											
56	P5	42	67	62	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	3			
<p>comnts Fmd : A4F4B4, MOST OF STAND IS WET, SEMI OPEN, POOR REPRODUCTION, HAS TO BE A WINTER CUT. For retention after the timber sale the southeast corner of the stand will be left.</p> <p>Wld : Leave cedar, white pine, and hemlock. Heavy tag alder. Southeast corner of stand has slightly higher topography, supporting more spruce and fir.</p>											
Total Acres.....		124									

**Proposed Treatments
With Limiting Factors**

Compartment: 1

Entry Year:2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 1
 T45N, R23W, Sec. 34, 35, 36
 County: Marquette
 Unit: Gwinn
 YOE: 2010
 Acres: 1,317 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 08/07/2008
 Map Phase: Pre-review

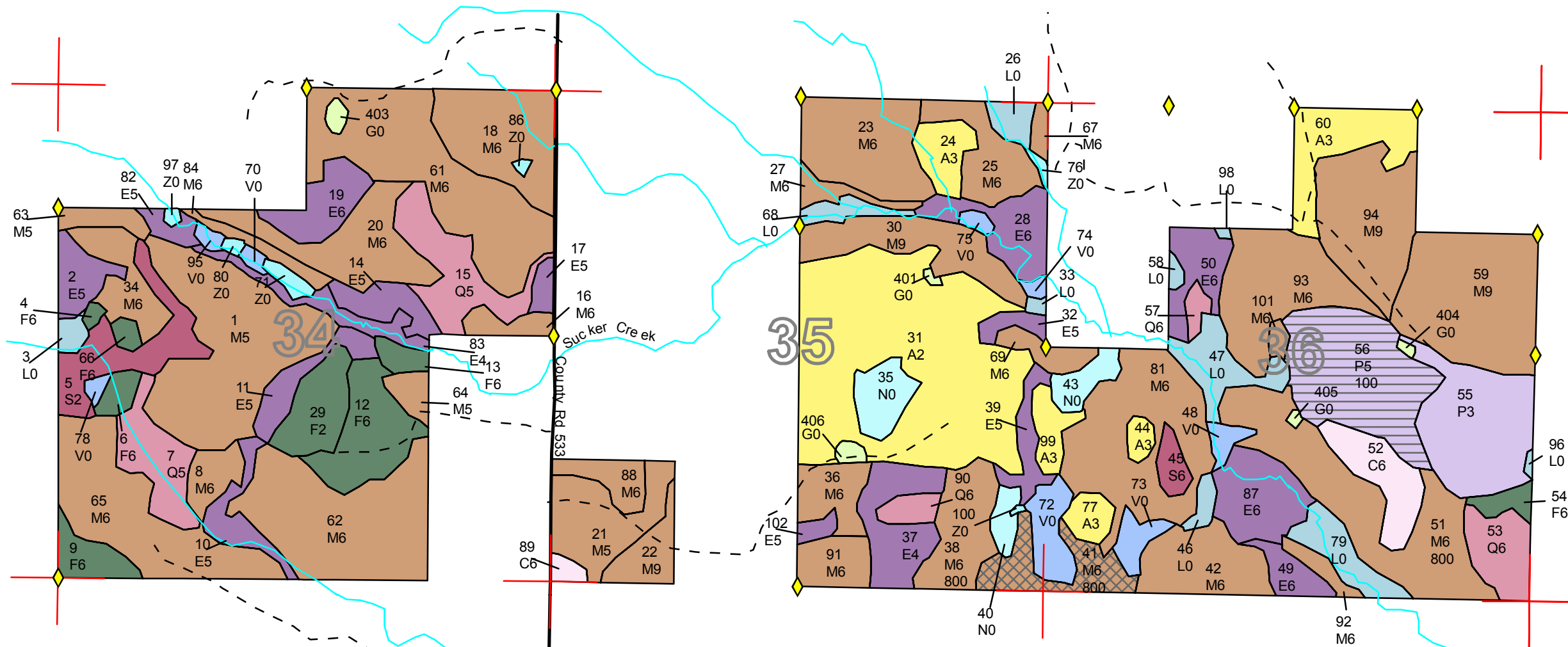
Cover Type and Treatment

Legend

◆ Ris Corners	■ A - Aspen
— Miris Corners	■ C - Northern White Cedar
— Paved Roads	■ E - Swamp Hardwoods
- - - Poor Dirt Roads	■ F - Upland Spruce or Fir
— Water Features	■ G - Grass
□ Stand Boundary	■ L - Lowland Brush
▨ 100 - Final Harvest	■ M - Northern Hardwoods
▩ 800 - Selection	■ N - Marsh
	■ P - Balsam Poplar, Swamp Aspen, Swamp White Birch
	■ Q - Mixed Swamp Conifers
	■ S - Black Spruce Swamp
	■ V - Bog or Muskeg
	■ Z - Water

34 35 36

N



87°11'0"W 87°10'0"W 87°9'0"W 87°8'0"W 87°7'0"W

46°16'0"N

46°15'0"N

46°16'0"N

46°15'0"N

Stand Boundary Map

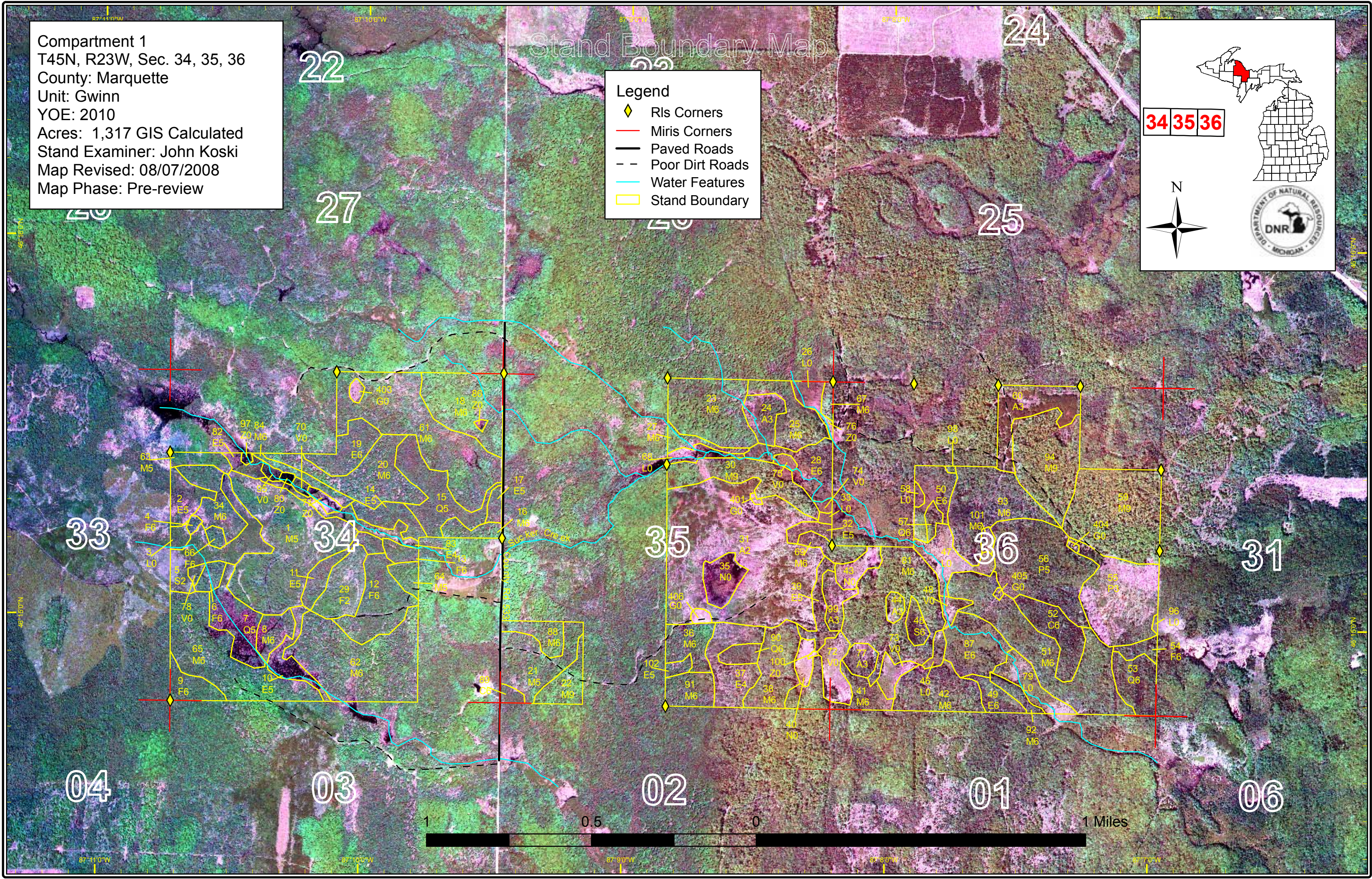
Compartment 1
T45N, R23W, Sec. 34, 35, 36
County: Marquette
Unit: Gwinn
YOE: 2010
Acres: 1,317 GIS Calculated
Stand Examiner: John Koski
Map Revised: 08/07/2008
Map Phase: Pre-review

Legend

- ◆ Ris Corners
- Miris Corners
- Paved Roads
- - Poor Dirt Roads
- Water Features
- Stand Boundary

34 35 36

DEPARTMENT OF NATURAL RESOURCES
DNR
MICHIGAN



Dedicated & Proposed Special Conservation Area Map

Compartment 1
 T44N, R23W, Sec. 34, 35, 36
 County: Marquette
 Unit: Gwinn
 YOE: 2010
 Acres: 1,317 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 08/07/2008
 Map Phase: Pre-review

Legend

- Miris Corners
- Stand Boundary
- Proposed SCA

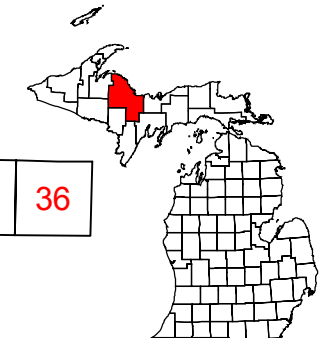
Dedicated SCA

- Cold Water Streams
- Potential Old Growth Stands


24

19

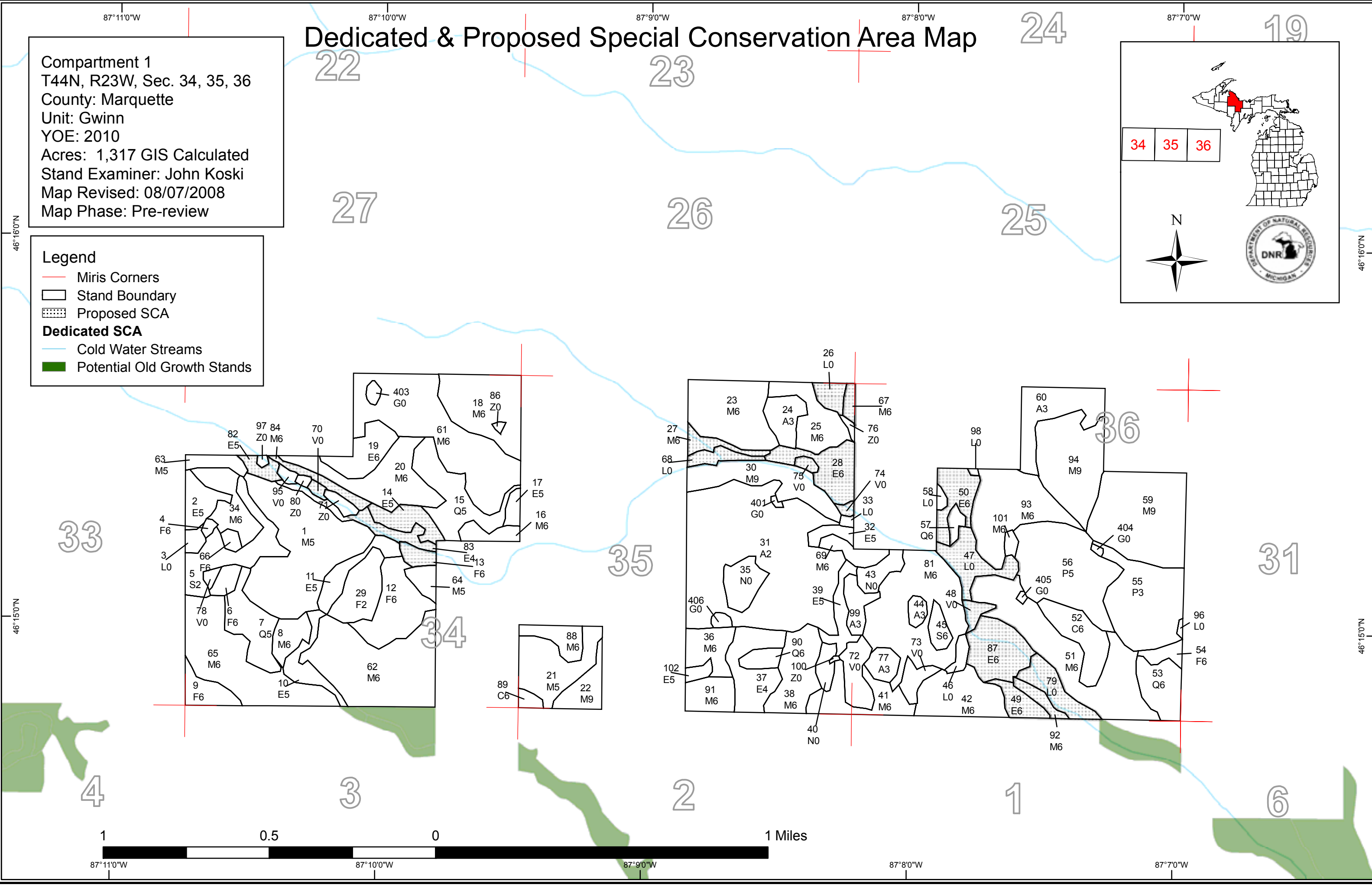
34
35
36



N



46°16'0"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	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.
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.