



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment 77 Entry Year: 2011
Compartment Acreage: 1534 County: Marquette**

Revision Date: 8/13/2009

Stand Examiner: John M. Koski

Legal Description: T43N, R24W, Sec.4,5,6

RMU (if applicable):

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

Soil and Topography: Nearly level drainage ways, ground moraines and till plains.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Surrounded by State land. Private holdings within the compartment, with several camps. Land use is production of commercial forest products, and low key recreation.

Unique, Natural Features: Big and Little Kiwi Lakes are in Sec. 5 and 6.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: SCA stands:12,13,19,30,31,32,61,68

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat & muck and minor medium-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. The Black River is quarried for stone in the UP and the PdC could be used for stone. There are no gravel pits located in this area

and potential appears to be limited. Abandoned iron mines are located ten miles to the northwest. This area was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Via Swamp Buck Road

Survey Needs:

Recreational Facilities and Opportunities: Hunting, snowmobiling.

Fire Protection: Within Gwinn Management Unit protection 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

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 77

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		11	72	42		16		76	17		8								242
Black Spruce							3			11			19			7			40
Bog or Marsh	79																		79
Cedar						3			28	112	64		68	96					371
Grass	20																		20
Hemlock											7							6	13
Lowlnd Brush	101																		101
Mx Swmp Cnfr									11	61	11	90		28		1			202
Spruce Fir			20	2	2				17	64	4		7						116
Swamp Hrdwds							26												26
Upland Brush																		4	4
Upland Hdwds			5			6				16								271	298
Water	25																		25
Total	225	11	97	44	2	25	29	76	73	264	94	90	94	124		8		281	1534

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 77

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	242																										242
S Black Spruce		40																									40
V Bog or Marsh			79																								79
C Cedar				371																							371
G Grass					20																						20
H Hemlock						13																					13
L Lowlnd Brush									101																		101
Q Mx Swmp Cnfr											202																202
F Spruce Fir																		116									116
E Swamp Hrdwds																			26								26
U Upland Brush																								4			4
M Upland Hdwds																								298			298
Z Water																									25		25
Total	242	40	79	371	20	13			101		202							116	26					302	25	1534	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **77**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10329 Cds	Hardwood	3226 Cds
Hardwood	357 Mbf	Hardwood	5 Mbf
Softwood	8429 Cds	Softwood	784 Cds
Softwood	201 Mbf	Sum CutVol	4020 Cds
Sum TotVol	19874 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1534		198	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 77

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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43	A6	17	71	65	aspen (upland)	mature	final harvest	3		
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comnts Fmd : A6F4 , SMALL,POOR QUALITY ASPEN-LOTS OF BALSAM REPRO.-CLEARCUT NOW.

65	A6	67	64	60	aspen (upland)	mature	final harvest	2		
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comnts Fmd : A5F5M4, Cut this treatment period with stand 43, good access.

Total Acres..... 84

GWINN FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 77

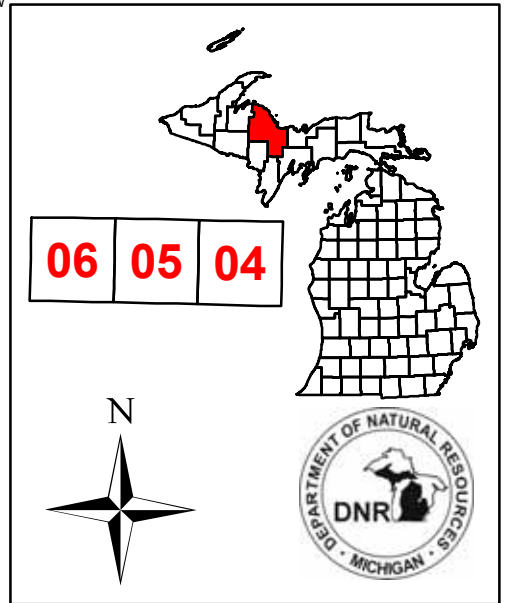
Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
1	A6	9	59	56	aspen (upland)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle Inadequate volume due to small acreage										
comnts Fmd : A6F4, One of seven hard to access stands with volume, that are coded 7 for merchantability because they are surrounded by very wet area, plus it would be a very long snow plow , because of winter cutting. I did not check the stand this time because of time constraints.										
Wld : Very difficult access. Retain any cedar, hemlock, or white pine if it exists.										
2	M6	13		55	northern hardwood	unevenaged	selection	3		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle										
comnts Fmd : M6A4, one of seven hard to access stands with volume, that are coded 7 for merchantability, because they are surrounded by very wet area, plus it would be a very long snow plow, because of winter cutting. I did not check the stand this time because of time constraints.										
Wld : Cut no hemlock, white pine, or cedar if it exists.										
4	M6	16	85	51	northern hardwood	mature	selection	3		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle										
comnts Fmd : M6A4F4, one of 7 hard to access stands that are coded 7 for merchantability because they are surrounded by very wet area, plus it would be a very long snow plow because of winter cutting. I did not check the stand this time because of time constraints. If it ever gets cut , underplant hemlock in the stand.										
Wld :										
7	A6	8	89	57	aspen (upland)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle										
comnts Fmd : A4F4, Leave for wildlife and diversity, very hard to get to because of wet access. I did not check the stand this time because of time constraints.										
9	F6	17	75	60	spruce-fir (uplands- including upland black spruce)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Too wet										
comnts Fmd : F4M4, leave for wildlife and diversity, access is very wet, I did not check the stand this time because of time constraints.										
16	F6	30	82	62	spruce-fir (uplands- including upland black spruce)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle										
comnts Fmd : M4Q4, one of seven hard to access stands with volume, that are coded 7 for merchantability, because they are surrounded by very wet area, plus it would be a very long snow plow, because it would be a winter cut. I did not check the stand this time because of time constraints.										
Wld : Much of this stand is lowland mixed swamp conifer with hardwood and lowland hardwood inclusions. Cedar, tamarack, fir and spruce, red maple, ash, and balsam poplar are dominant components of this high diversity stand. Much of the stand and transitional edges are criss-crossed by deer and bear trails. Wildlife sign is very apparent, including recently rolled over logs from foraging bears.										
62	F5	7	116	47	spruce-fir (uplands- including upland black spruce)	mature	final harvest	2		
TREATMENT LIMITING FACTORS: Inadequate volume due to low stocking/small diameter/etc. Blocked by other physical obstacle										
comnts Fmd : Stand that is surrounded by wet area, hard to get to. Will not be cut. Leave for wildlife and diversity, Did not check stand this time because of time constraints.										
76	F6	14	82	62	spruce-fir (uplands- including upland black spruce)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle										
comnts Fmd : M4Q4, one of seven hard to access stands with volume, that are coded 7 for merchantability, because they are surrounded by very wet area, plus it would be a very long snow plow, because it would be a winter cut. I did not check the stand this time because of time constraints.										

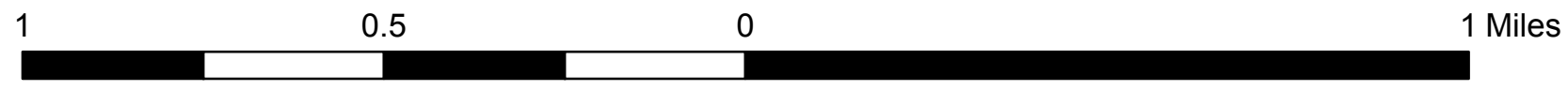
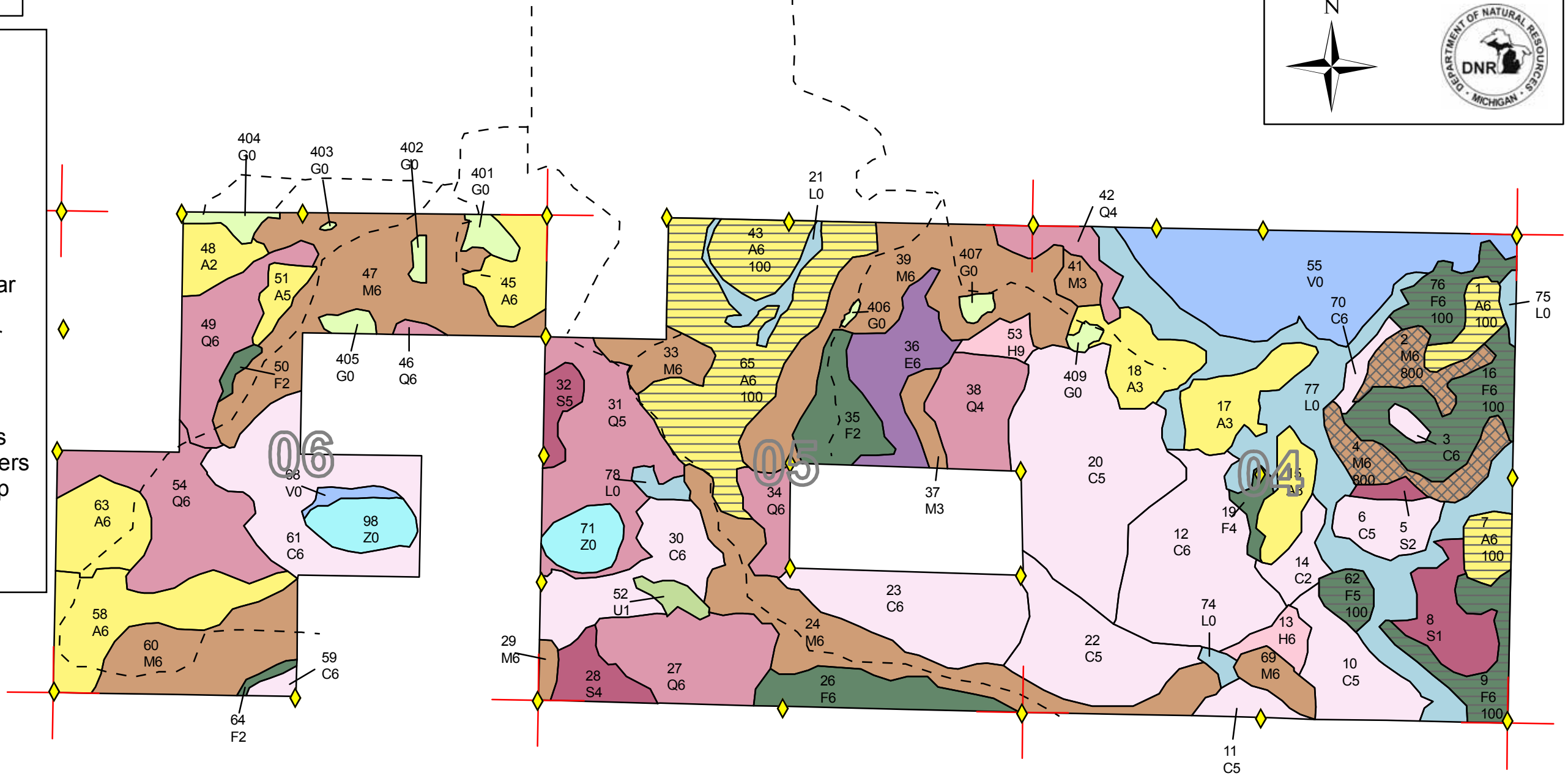
Total Acres..... 114

Covertypes & Treatment Map

Compartment 77
 T43N, R24W, Sec. 4, 5, 6
 County: Marquette
 Unit: Gwinn
 YOE: 2011
 Acres: 1,534 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/13/2009
 Map Phase: Pre-review



- Legend**
- ◆ RIs Corners
 - Miris Corners
 - - Poor Dirt Roads
 - Stand Boundary
 - ▨ 100 - Final Harvest
 - ▩ 800 - Selection
 - A - Aspen
 - C - Northern White Cedar
 - E - Swamp Hardwoods
 - F - Upland Spruce or Fir
 - G - Grass
 - H - Hemlock
 - L - Lowland Brush
 - M - Northern Hardwoods
 - Q - Mixed Swamp Conifers
 - S - Black Spruce Swamp
 - U - Upland Brush
 - V - Bog or Muskeg
 - Z - Water



87°22'0"W 87°21'0"W 87°20'0"W 87°19'0"W

87°23'0"W 46°10'0"N

46°10'0"N

46°9'0"N

87°18'0"W

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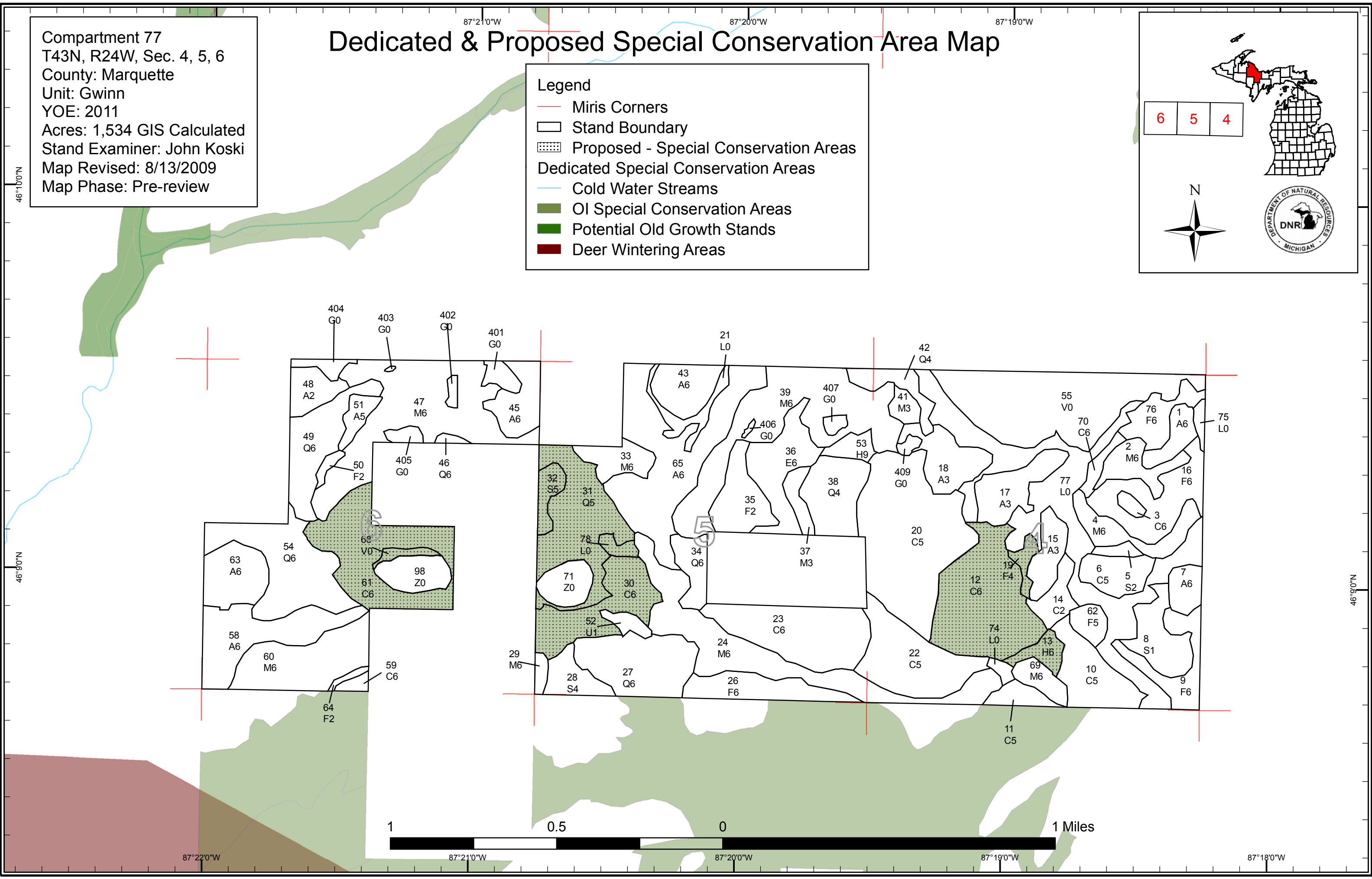
Dedicated & Proposed Special Conservation Area Map

Legend

- Miris Corners
- Stand Boundary
- Proposed - Special Conservation Areas
- Dedicated Special Conservation Areas**
- Cold Water Streams
- OI Special Conservation Areas
- Potential Old Growth Stands
- Deer Wintering Areas

6 5 4

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	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.