



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 101
Compartment Acreage:1540**

**ENTRY YEAR:2011
County: Alger**

Revision Date:8/13/2009

Stand Examiner:John Koski

Legal Description:T45N,R22W, Sec. 3,10,15

RMU (if applicable):

Management Goals: Improve the quality of the extensive Northern Hardwoods stands through selective management while maintaining the conifer component.

Soils and topography: Glacial drainage ways, till plains and ground moraines, with level lowlands to steep slopes.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mostly State owned east and west of the compartment, private holdings in Sec. 10 Land use within the compartment is a mixture of both low key recreation and production of commercial forest products.

Unique, Natural Features (include only non-site specific and non-sensitive information):Sucker creek runs through the compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):.

Special Management Designations or Considerations: Potential old growth stands SCA designation on stands:1,19,21,43,56,51,

Watershed and Fisheries Considerations:Dexter Creek

Wildlife Habitat Considerations: –

MINERAL, OIL AND GAS CONSIDERATIONS Sections 3, 10 & 15, T45N-R22W, Alger County
Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. 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. A gravel pit is located two miles to the northwest and potential appears to be good on uplands. Abandoned iron mines are located fifteen 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: Various two track trail roads into the most of the compartment.

Survey Needs: None

Recreational Facilities and Opportunities:, Hunting, hiking, berry picking, snowmobiling, 4 wheeling.

Fire Protection: Within the Gwinn 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

ALGER COUNTY

COMPARTMENT: 101

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			15	58															73
Grass	1																		1
Hemlock																		5	5
Lowlnd Brush	55																		55
Mx Swmp Cnfr									82	99	31	64	72	47				22	417
Swamp Hrdwds																		36	36
Upland Brush	3																		3
Upland Hdwds				21	2													926	949
Water	1																		1
Total	60		15	79	2				82	99	31	64	72	47				989	1540

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

ALGER COUNTY

COMPARTMENT: 101

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	73																										73
G Grass					1																						1
H Hemlock						5																					5
L Lowlnd Brush									55																		55
Q Mx Swmp Cnfr												417															417
E Swamp Hrdwds																			36								36
U Upland Brush																								3			3
M Upland Hdwds																								949			949
Z Water																									1		1
Total	73				1	5			55			417							36				3	949	1		1540

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

ALGER COUNTY

COMPARTMENT: **101**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	16729 Cds	Hardwood	647 Cds
Hardwood	1320 Mbf	Hardwood	43 Mbf
Softwood	6671 Cds	Sum CutVol	733 Cds
Softwood	165 Mbf		
Sum TotVol	26370 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	122
	1540		

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 101 Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
23	M6	122		65	northern hardwood	unevenaged	selection	2	planting		
<p>comnts Fmd : M6M7, Cut prmt.# 037-92-01, Finished in 1995, has a mix of hard and soft maple, yellow birch, beech, black cherry, and hemlock. Basal area is 110 to 120, could cut this t.p.. Most of the stand could be cut in the summer. It is a long snowplow if it gets cut in the winter. Retain hemlock, cedar, and black cherry. Some larger generation gaps can be marked to cut out. Avoid areas where there are numerours beech trees. Under plant hemlock after sale is complete.</p> <p>Wld : Include beech as a "no cut" species along with hemlock, white pine, cedar, and black cherry. Underplant hemlock and/or white pine post harvest.</p>											
Total Acres.....		122									

**Proposed Treatments
With Limiting Factors**

Compartment: 101

Entry Year: 2011

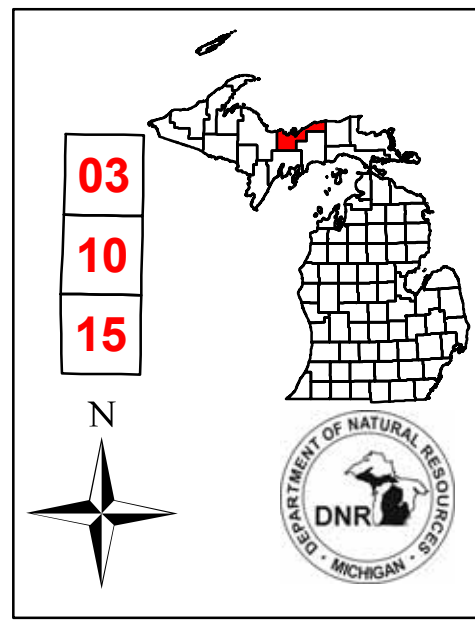
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

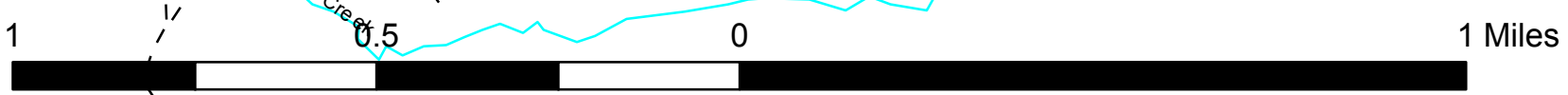
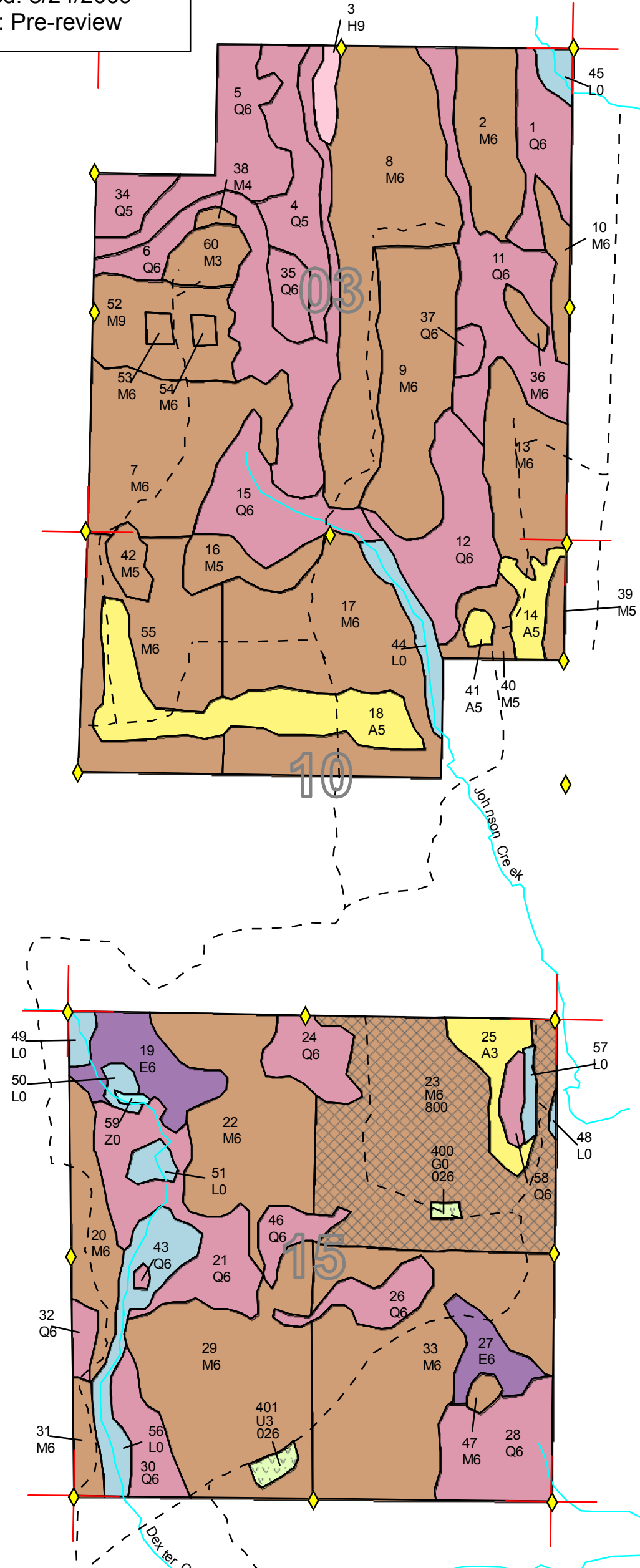
Total Acres..... 0

Covertypes & Treatment Map

Compartment 101
 T45N, R22W, Sec. 3, 10, 15
 County: Alger
 Unit: Gwinn
 YOE: 2011
 Acres: 1,540 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/24/2009
 Map Phase: Pre-review



- Legend**
- ◆ RIs Corners
 - Miris Corners
 - - Poor Dirt Roads
 - Water Features
 - Stand Boundary
 - ▨ 026 - Opening Maintenance
 - ▩ 800 - Selection
 - A - Aspen
 - E - Swamp Hardwoods
 - G - Grass
 - H - Hemlock
 - L - Lowland Brush
 - M - Northern Hardwoods
 - Q - Mixed Swamp Conifers
 - Z - Water

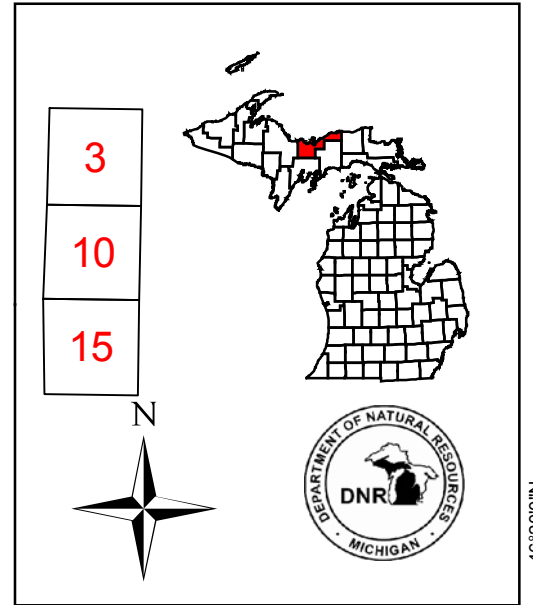


Dedicated & Proposed Special Conservation Area Map

Compartment 101
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Legend

- Miris Corners
- Stand Boundary
- Proposed Special Conservation Areas
- Cold Water Streams
- Potential Old Growth Stands





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.