



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 274: ENTRY YEAR: 2009

Compartment Acreage: 1363 County: Marquette

Revision Date: July 26, 2007

Stand Examiner: Dean Wilson

Legal Description: T47N-R25W, sections 25, 26, 27, and 36.

RMU (if applicable):

Management Goals: Habitat/vegetation and mixed use.

Soil and Topography: Soils are sands to loamy sands. The topography ranges from level to undulating to hilly with some steep slopes.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is surrounded by corporate and other private ownerships. Land use is primarily for forest production and passive as well as active recreation.

Unique, Natural Features (include only non-site specific and non-sensitive information): The Cedar Creek headwaters form in this compartment. Areas of dry mesic conifers occur.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Nothing significant noted.

Special Management Designations or Considerations: Management operations will be designed to protect drainage ways and maintain diversity. Designated as special conservation areas are stands 1, 2, 3, 4, 22, 53, 21, 33, and 51.

Watershed and Fisheries Considerations: Special conservation value designations have been made to protect the surface waters in this compartment.

Wildlife Habitat Considerations: 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, such as standing and fallen snags, supercanopy trees, and natural processes/disturbances. Strive for best possible age class distribution in jack pine stands while retaining diverse tree species and adequate snag recruitment. Oak is to be retained in all treated stands and oak regeneration should be promoted and protected wherever possible. Maintain or enhance biodiversity in northern hardwood stands through conservation of all associated overstory and understory species, with a particular focus on providing mesic conifer species in all forest strata. Develop the best possible age class distribution in aspen stands while retaining diverse tree species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of an end moraine of coarse-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 400 feet. The Precambrian Jacobsville subcrops below the glacial drift. The Jacobsville was previously used as a building stone. Gravel pits are not located in the area, but there should be good potential. Abandoned iron mines are located nine miles to the west. This Compartment was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Is good to and internally in this compartment.

Survey Needs: None.

Recreational Facilities and Opportunities: The Blueberry Ridge Pathway and Thunder Valley Equestrian Trail have been constructed and are maintained in this compartment.

Fire Protection: Fire occurrence is a concern in this compartment due to the dry sandier soils, heavy public use, and the urban wild land interface.

Additional Compartment Information: This compartment receives heavy use due to its proximity to population centers.

- **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: 274

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		17	58		42				114	6									237
Grass	5																		5
Jack Pine			22		6		12		53										93
Non Stocked	9																		9
Oak									164		13								177
Red Pine		12	22			188	8	9	32	22	52								345
Spruce Fir						25												4	29
Upland Hdws																		454	454
White Pine										14									14
Total	14	29	102		48	213	20	9	363	42	65							458	1363

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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: 274

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	237																										237
G Grass					5																						5
J Jack Pine							93																				93
X Non Stocked													9														9
O Oak														177													177
R Red Pine															345												345
F Spruce Fir																			29								29
M Upland Hdwds																								454			454
W White Pine																										14	14
Total	237				5		93						9	177	345				29					454		14	1363

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **274**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	13023 Cds	Hardwood	979 Cds
Hardwood	1057 Mbf	Hardwood	46 Mbf
Softwood	5358 Cds	Softwood	1092 Cds
Softwood	1646 Mbf	Softwood	101 Mbf
Sum TotVol	23787 Cds	Sum CutVol	2365 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	113
1363			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 274 **Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
16	J6	10	75	59	jack pine	two aged	removal	3	planting	
<p>comnts Fmd : Red Pine planted in 1963. Failed due to competition from jack pine. Harvest jack pine to release those few surviving red pine. Trench and plant to jack pine to create a well stocked mixed pine stand.</p> <p>Wld : At cmpt. Review, it was agreed to cut only the portion south of the lighted ski loop in 1999, saving the north part for 10 more yrs. Infrequent clumps of 6 to 10 inch Dbh oak poles. Leave all white birch and red maple. No herbicide use as red oak regenerating from acorns. Retain red pine, white pine, and oak.</p>										
17	J6	37	75	59	jack pine	mature	final harvest	1	direct seeding	
<p>comnts Fmd : Significant mortality due to overmaturity. Design sale with trail aesthetics in mind (use individual tree and patches of trees). DO NOT USE HERBICIDES IN REFORESTATION EFFORT.</p> <p>Wld : Moderate density of oak saplings/seedlings present - no herbicide use. Widely scattered oak poles - retain all oak. Reserve red pine, white pine, white birch, and red maple.</p>										
19	J6	6	75	59	jack pine	mature	final harvest	1	direct seeding	
<p>comnts Fmd : DO NOT USE HERBICIDES IN REFORESTATION EFFORT.</p> <p>Wld : Good oak regen present - no herbicides. Reserve oak, white pine, red pine, white birch, and red maple.</p>										
37	A6	11	75	58	aspen (upland)	mature	final harvest	3		
<p>comnts Fmd : Use the oak and large pines for in stand retention.</p> <p>Wld : Leave all oak.</p>										
38	A6	10	75	53	aspen (upland)	mature	final harvest	3		
<p>comnts Fmd : Use the oak and large pines for in stand retention.</p> <p>Wld : Leave all oak. Leave some scattered white birch across site.</p>										
52	M9	32		52	northern hardwood	unevenaged	selection	1		prescribed for fdf treatment
<p>comnts Fmd : Cut with hardwood stand in compartment 275 in 2015.</p> <p>Wld : Strive to enhance species, structural, and diameter diversity in overstory. Leave oak, white spruce, black spruce, cedar, hemlock, and white pine. Berry crops from cherry trees are an important habitat characteristic to maintain over time.</p>										
Total Acres.....		106								

GWINN FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 274 **Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
23	A6	7	75	60	aspen (upland)	mature	final harvest	3		

TREATMENT LIMITING FACTORS: Recreational site

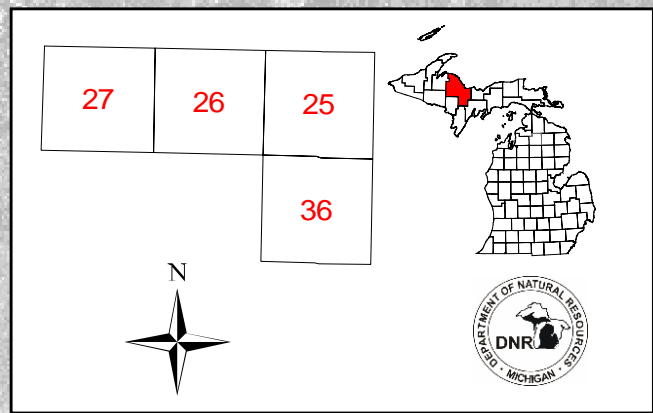
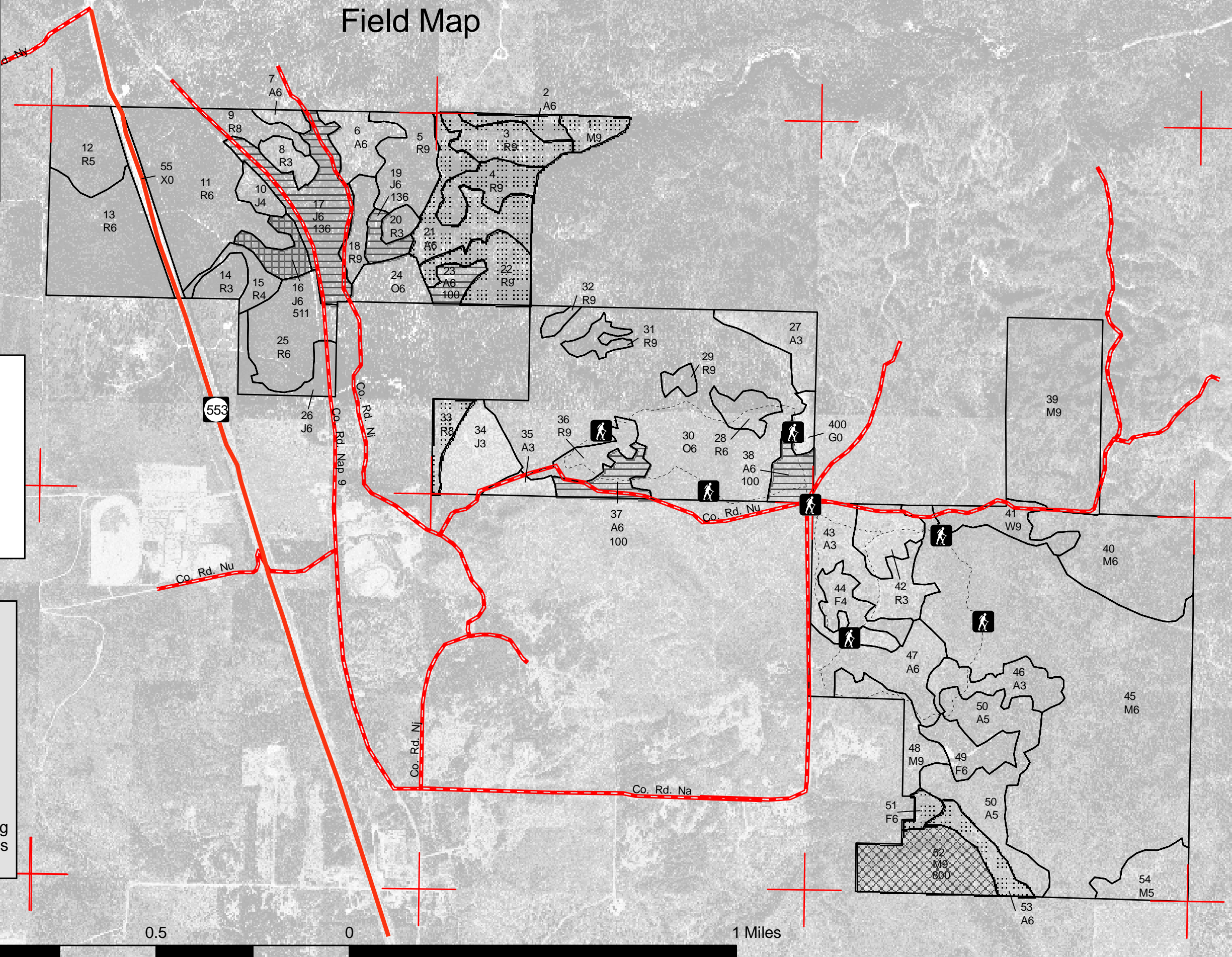
comnts Fmd : Use in stand retention guidelines to allow for aesthetics along the ski trail.

Wld : Leave oak.

Total Acres..... 7

Field Map

Compartment 274
 T47N, R25W, Sec. 25, 26, 27, 36
 County: Marquette
 Unit: Gwinn
 YOE: 2009
 Acres: 1,363 GIS Calculated
 Stand Examiner: Dean Wilson
 Map Revised: 9/10/2007
 Map Phase: Pre-Review



Legend

- Miris Corners
- Highway
- County Gravel Roads
- Trails
- State Highway
- 🚶 Hiking Trails
- Stand Boundary
- Special Conservation Areas
- 100 - Final Harvest
- 136 - Final Harvest/ Direct Seeding
- 511 - Removal/Planting/Hand Tools
- 800 - Selection

