



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 290      ENTRY YEAR: 2007**

**Compartment GIS acres 1013      County: 52 Marquette**

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**Revision Date:** September 6, 2005

**Stand Examiner:** Dean Wilson

**Legal Description:** T47N-R23W, sections 25, 36.

**RMU (if applicable):**

**Management Goals:** Habitat/vegetation and mixed use.

**Soil and Topography:** Glacial drainage ways, till plains, and ground moraines form topography that is nearly level to moderately steep. Soils are very poorly drained nonacid organic soils, poorly drained loamy soils, well drained loams, and poorly drained loams.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment is on the east side of a large block of State ownership that contains a few small non-industrial private ownerships. To the east are larger corporate land holdings. Land use is primarily for forest production and passive recreation.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** The area is composed primarily of vernal forest. The headwaters to the East Branch of the Sand River and other waterways occur in this compartment.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** Remnants of old logging camps are common in this landscape.

**Special Management Designations or Considerations:** Management operations will largely be limited to winter to protect the soils and prevent site damage.

**Watershed and Fisheries Considerations:** Potential old growth designations are in place to allow for these considerations. Best management practices will be practiced where they are applicable.

**Wildlife Habitat Considerations:** Maintain thermal cover for winter deer yards. Optimize diversity in treated northern hardwood stands.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of thin to discontinuous glacial till over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. A gravel pit is located in Section 35, and potential appears to be good. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Is good to the compartment but is somewhat limited internally.

**Survey Needs:** None.

**Recreational Facilities and Opportunities:** There is no developed recreation in this compartment. The heaviest public use is for hunting and trapping.

**Fire Protection:** Fire occurrence is low in this area due to the wet nature of the landscape.

**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: 290

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       |
|--------------|-----------|-----|-------|-------|-------|-------|-------|----------|------------|-------|-------|----------|---------|---------|---------|---------|---------|------------|-------------|
| Black Spruce |           |     |       |       |       |       |       |          | 11         |       |       |          |         |         |         |         |         | 6          | 17          |
| Cedar        |           |     |       |       |       |       |       |          | 51         |       |       | 8        |         |         |         |         |         |            | 59          |
| Hemlock      |           |     |       |       |       |       |       |          |            |       |       |          |         |         |         |         |         | 209        | 209         |
| Lowlnd Brush |           |     |       |       |       |       |       |          |            |       |       |          |         |         |         |         |         | 13         | 13          |
| Marsh        | 9         |     |       |       |       |       |       |          |            |       |       |          |         |         |         |         |         |            | 9           |
| Mx Swmp Cnfr |           |     |       |       |       |       |       |          | 63         |       |       |          |         |         |         |         |         | 78         | 141         |
| Spruce Fir   |           |     |       |       |       |       |       |          | 14         |       |       |          |         |         |         |         |         |            | 14          |
| Swamp Hrdwds |           |     |       |       |       |       |       | 6        | 16         |       |       |          |         |         |         |         |         |            | 22          |
| Treed Bog    | 11        |     |       |       |       |       |       |          |            |       |       |          |         |         |         |         |         |            | 11          |
| Upland Hdwds |           |     |       |       |       |       |       |          | 59         |       |       |          |         |         |         |         |         | 450        | 509         |
| White Pine   |           |     |       |       |       |       |       |          |            |       |       |          |         |         |         |         |         | 9          | 9           |
| <b>Total</b> | <b>20</b> |     |       |       |       |       |       | <b>6</b> | <b>214</b> |       |       | <b>8</b> |         |         |         |         |         | <b>765</b> | <b>1013</b> |

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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: 290

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 |
|----------------|---|----|---|----|---|-----|---|---|----|---|---|-----|---|---|---|---|---|---|----|----|---|----|---|-----|---|-----|-------|
| S Black Spruce |   | 17 |   |    |   |     |   |   |    |   |   |     |   |   |   |   |   |   |    |    |   |    |   |     |   |     | 17    |
| C Cedar        |   |    |   | 59 |   |     |   |   |    |   |   |     |   |   |   |   |   |   |    |    |   |    |   |     |   |     | 59    |
| H Hemlock      |   |    |   |    |   | 209 |   |   |    |   |   |     |   |   |   |   |   |   |    |    |   |    |   |     |   |     | 209   |
| L Lowlnd Brush |   |    |   |    |   |     |   |   | 13 |   |   |     |   |   |   |   |   |   |    |    |   |    |   |     |   |     | 13    |
| N Marsh        |   |    |   |    |   |     |   |   |    |   | 9 |     |   |   |   |   |   |   |    |    |   |    |   |     |   |     | 9     |
| Q Mx Swmp Cnfr |   |    |   |    |   |     |   |   |    |   |   | 141 |   |   |   |   |   |   |    |    |   |    |   |     |   |     | 141   |
| F Spruce Fir   |   |    |   |    |   |     |   |   |    |   |   |     |   |   |   |   |   |   | 14 |    |   |    |   |     |   |     | 14    |
| E Swamp Hrdwds |   |    |   |    |   |     |   |   |    |   |   |     |   |   |   |   |   |   |    | 22 |   |    |   |     |   |     | 22    |
| D Treed Bog    |   |    |   |    |   |     |   |   |    |   |   |     |   |   |   |   |   |   |    |    |   | 11 |   |     |   |     | 11    |
| M Upland Hdwds |   |    |   |    |   |     |   |   |    |   |   |     |   |   |   |   |   |   |    |    |   |    |   | 509 |   | 509 |       |
| W White Pine   |   |    |   |    |   |     |   |   |    |   |   |     |   |   |   |   |   |   |    |    |   |    |   |     | 9 | 9   |       |
| <b>Total</b>   |   | 17 |   | 59 |   | 209 |   |   | 13 |   | 9 | 141 |   |   |   |   |   |   | 14 | 22 |   | 11 |   | 509 |   | 9   | 1013  |

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **290**

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

| COMPARTMENT SUMMARY     |           |                             |          |
|-------------------------|-----------|-----------------------------|----------|
| TOTAL VOLUME            |           | CUT VOLUME                  |          |
| Hardwood                | 9381 Cds  | Hardwood                    | 888 Cds  |
| Hardwood                | 1543 Mbf  | Hardwood                    | 198 Mbf  |
| Softwood                | 5226 Cds  | Sum CutVol                  | 1284 Cds |
| Softwood                | 1677 Mbf  |                             |          |
| Sum TotVol              | 21047 Cds |                             |          |
| <b>Total Cmpt Acres</b> |           | Acres Proposed For Cut..... |          |
| 1013                    |           | 128                         |          |

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 290**    **Entry Year: 2007**

| Stand   | Cover Type | Acres      | Age | Site Index | Mgt Obj           | Condition  | Method Cut | Harvest Priority | Cultural Need | FDF Status |
|---|------------|------------|-----|------------|-------------------|------------|------------|------------------|---------------|------------|
| <b>13</b>   | <b>M6</b>  | 101        |     | 63         | northern hardwood | unevenaged | selection  | 1                |               |            |
| comnts Fmd : Beech and hemlock will be favored for retention. |            |            |     |            |                   |            |            |                  |               |            |
| <b>15</b>   | <b>M6</b>  | 23         |     | 60         | northern hardwood | unevenaged | selection  | 1                |               |            |
| comnts Fmd : Beech and hemlock will be favored for retention. |            |            |     |            |                   |            |            |                  |               |            |
| <b>17</b>   | <b>M6</b>  | 4          |     | 58         | northern hardwood | unevenaged | selection  | 1                |               |            |
| comnts Fmd : Beech and hemlock will be favored for retention. |            |            |     |            |                   |            |            |                  |               |            |
| <b>Total Acres.....</b>                                       |            | <b>128</b> |     |            |                   |            |            |                  |               |            |

**Proposed Treatments  
With Limiting Factors**

**Compartment: 300**    Entry Year: 2007

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| <b>Stand</b> | <b>Cover<br/>Type</b> | <b>Acres</b> | <b>Age</b> | <b>Site<br/>Index</b> | <b>Mgt<br/>Obj</b> | <b>Condition</b> | <b>Method<br/>Cut</b> | <b>Harvest<br/>Priority</b> | <b>Cultural<br/>Need</b> | <b>FDF<br/>Status</b> |
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|-----------------------|
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|-----------------------|

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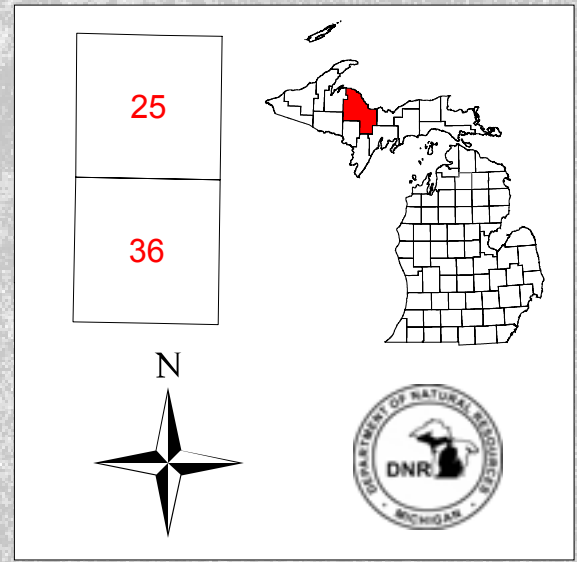
TREATMENT LIMITING FACTORS:

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Total Acres..... 0

# Field Map

Compartment 290  
 T47N, R23W, Sec. 25, 36  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2007  
 Acres: 1,013 GIS Calculated  
 Stand Examiner: Dean Wilson  
 Map Revised: 9/19/2005  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- - - Poor Dirt Roads
- ▭ Stand Boundary
- ▨ Biodiversity/Old growth area
- ▩ 800 - Selection
- Name Gravel Roads
- Name** Water Features

