



**Gwinn Forest Management Unit  
Compartment Review Presentation  
Compartment 232      Entry Year: 2014  
Compartment Acreage: 1,136      County: Marquette**

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**Revision Date:** 8/20/2012

**Stand Examiner:** Ben Travis

**Legal Description:** T45N R28W, Sec. 6, 7  
T46N R28W, Sec. 31

**RMU (if applicable):** Chain Lakes Moraine Management Area

**Management Goals:** Planning will focus on timber management, fisheries management and wildlife habitat management. Public access, forest roads, forest regeneration, forest health, forest fire management, forest recreation, stream crossings, water quality and any resource damage are critical assessments considered during the forest mapping and inventory process. Overall management strives to provide for a diverse, healthy and productive forest through planning and implementation of sustainable, proper forest treatments.

**Soil and Topography:** Terrain ranges from level swamps and wetland drainages to rolling or moderate hilly uplands. Large boulders are common throughout compartment. Major soil series are: Rubicon – Keweenaw Complex, Rubicon Sand, Carbondale/Tawas and Histosols/Aquents (ponded).

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is comprised of two blocks of state land. The north block borders state land to the west, a small private parcel and state land to the east, and small private parcels to the south. A small addition of state land was added to this compartment during inventory period. It is located in the SE of the SE of section 31. The south block is bordered by small private parcels to the north, state land to the east, and larger private holdings to south and west. Several camps and a year-around residence are located on Penglase Lake and Round Lake in the south portion of Section 6. Hunting and timber harvests are primary uses of the private parcels.

**Unique, Natural Features:** Penglase Lake, Sagola North Lake, Round Lake, Heart Lake and headwaters of the Flat Rock Creek are within the compartment boundary. Potential exists for goshawk in mature pine or oak stands.

**Archeological, Historical, and Cultural Features:** No records were found in HAL database.

**Special Management Designations or Considerations:** The retired ELF Line passes through section 7 of this compartment. A riparian zone exists around the headwaters of Flatrock Creek. A special conservation area encompasses a wetland area around Heart Lake and Sagola Lake.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** Featured species include black bear, gray jay, northern goshawk, pileated woodpecker and red crossbill.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between insufficient data up to 50 to 100 feet. The

Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This rock could be used as dimension stone. Gravel pits are located north of the compartment and potential appears to be good. The abandoned Republic iron mine is located six miles to the northwest. The State land to the north of the compartment was leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** The primary access route for the compartment is the seasonal County Road CMM, which originates off of Perch Lake Road (Co Rd CF), a paved county road. The north block of state land in this compartment has a nice network of DNR forest roads providing access. The south block of state land is accessed by a DNR forest road to the west of the compartment or via a restricted management easement extending from just east of Round Lake down to the south. This easement is gated by the private landowner. The road network within the south block is not as expansive as up north. The old ELF Line corridor provides access to this south block from the west.

**Survey Needs:** A written request has been submitted for establishment of three new survey monuments near Round Lake to determine if a private gate is properly placed and to enable private lines to be run for future timber sale work. Future survey work may be needed along the state land added to this compartment in Section 31.

**Recreational Facilities and Opportunities:** There are no developed recreational facilities in this compartment. Hunting, fishing, berry picking, off-road vehicle riding, and snowmobiling are primary activities utilizing this area.

**Fire Protection:** This compartment is contained within the “581 Zone Dispatch Area”, which provides for a pre-planned dispatch of specified DNR fire equipment if a fire starts during critical burning conditions. Large areas of jack pine and red pine with interspersed camps and homes have warranted this response pre-planning.

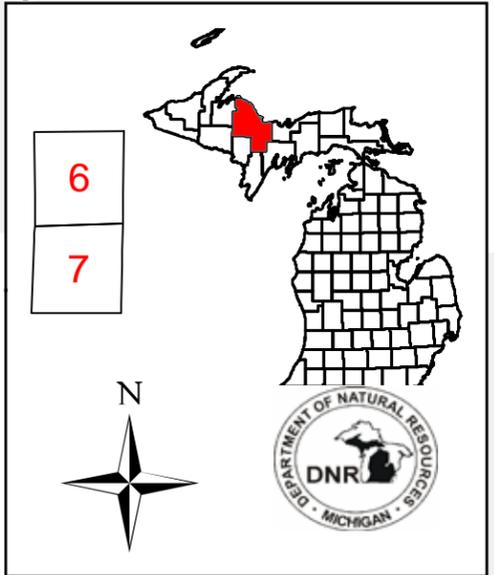
#### **Additional Compartment Information:**

- **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**

# Cover Type & Treatment Map

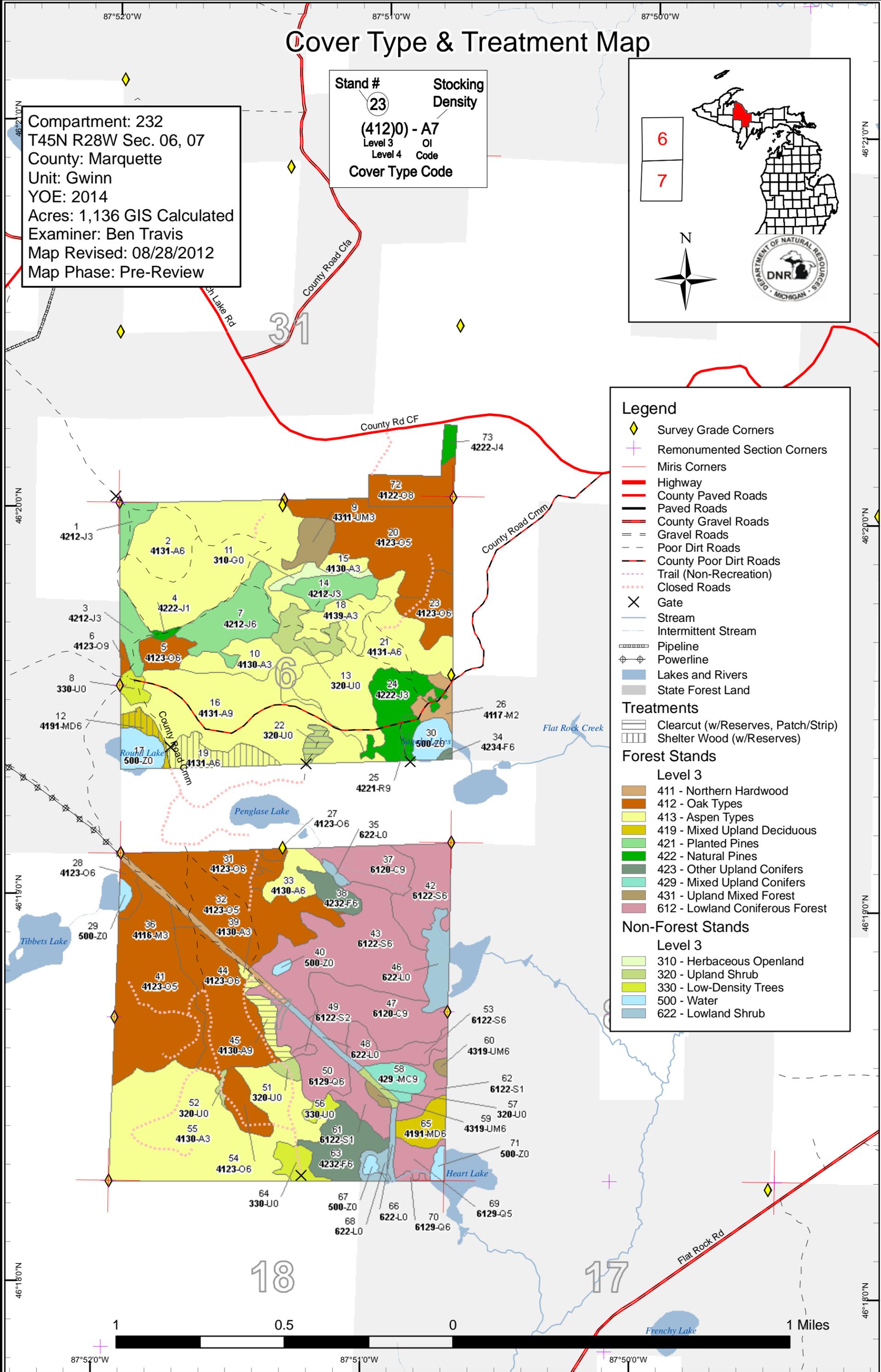
Compartment: 232  
 T45N R28W Sec. 06, 07  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2014  
 Acres: 1,136 GIS Calculated  
 Examiner: Ben Travis  
 Map Revised: 08/28/2012  
 Map Phase: Pre-Review

**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



## Legend

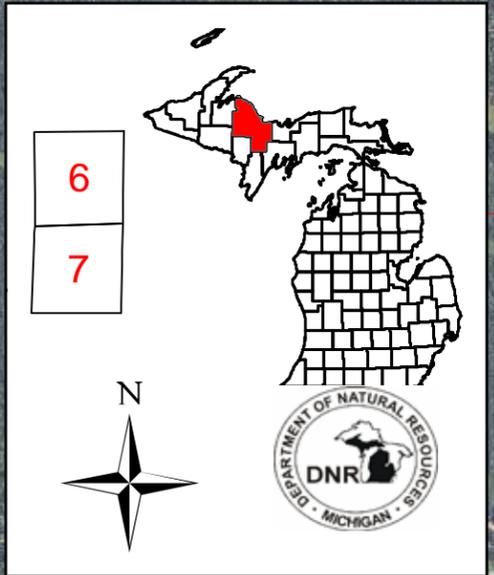
- ◆ Survey Grade Corners
  - ⊕ Remonumented Section Corners
  - Miris Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - ⊗ Gate
  - Stream
  - Intermittent Stream
  - Pipeline
  - Powerline
  - Lakes and Rivers
  - State Forest Land
- Treatments**
- ▨ Clearcut (w/Reserves, Patch/Strip)
  - ▨ Shelter Wood (w/Reserves)
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 423 - Other Upland Conifers
  - 429 - Mixed Upland Conifers
  - 431 - Upland Mixed Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3**
- 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 330 - Low-Density Trees
  - 500 - Water
  - 622 - Lowland Shrub



# Stand Boundary Map

Compartment: 232  
 T45N R28W Sec. 06, 07  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2014  
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 23  
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**Legend**

- ◆ Survey Grade Corners
- ⊕ Remonumented Section Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
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- Gravel Roads
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- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ⊗ Gate
- Stream
- Intermittent Stream
- Pipeline
- Powerline
- Stand Boundaries

**Forest Stands**

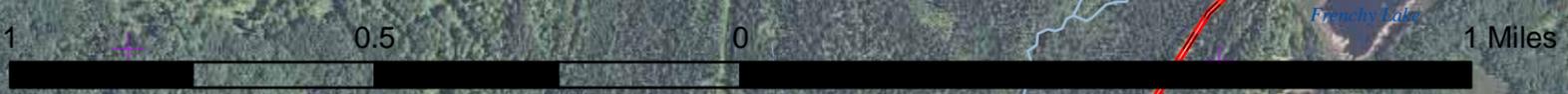
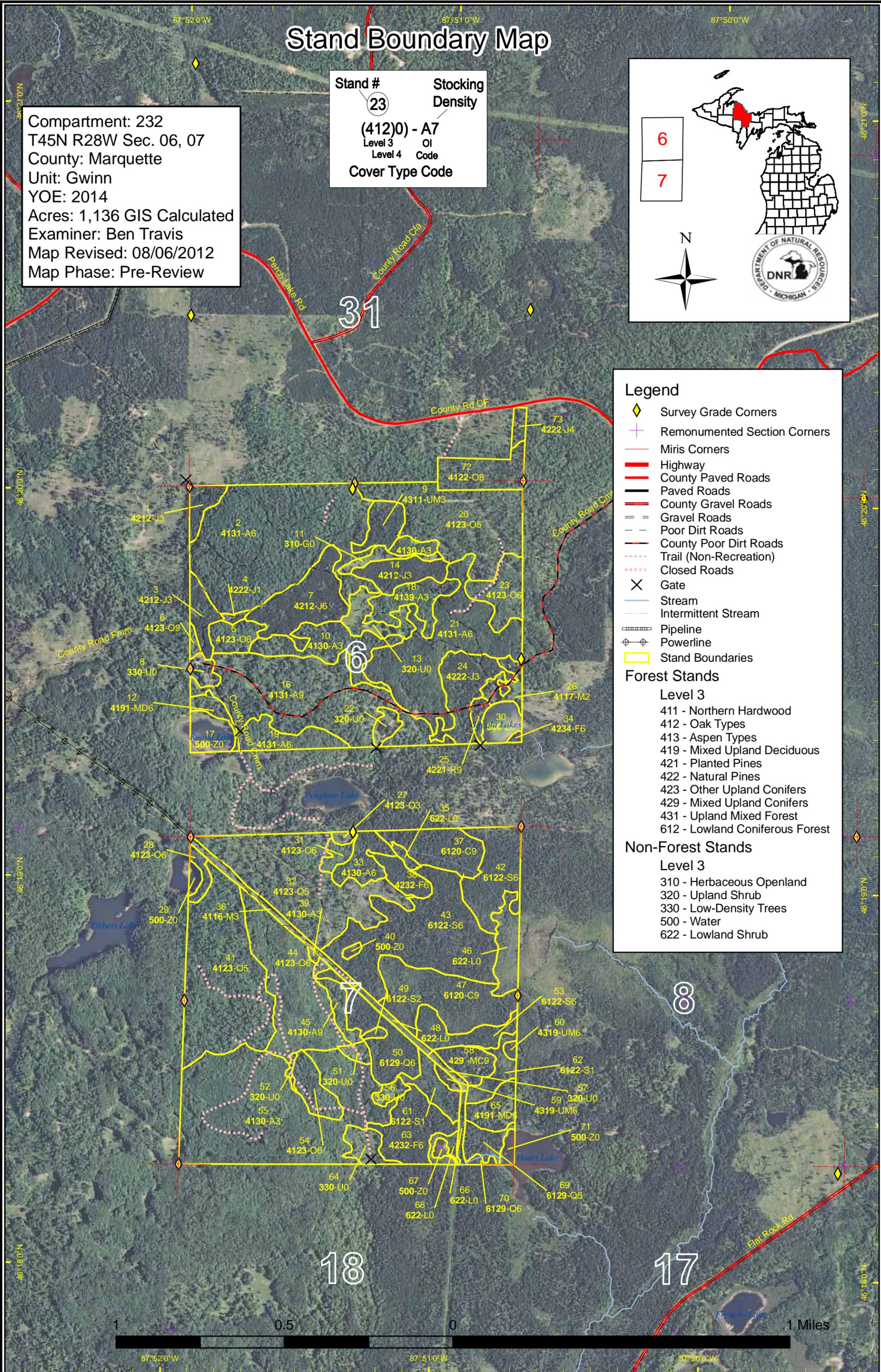
**Level 3**

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
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**Non-Forest Stands**

**Level 3**

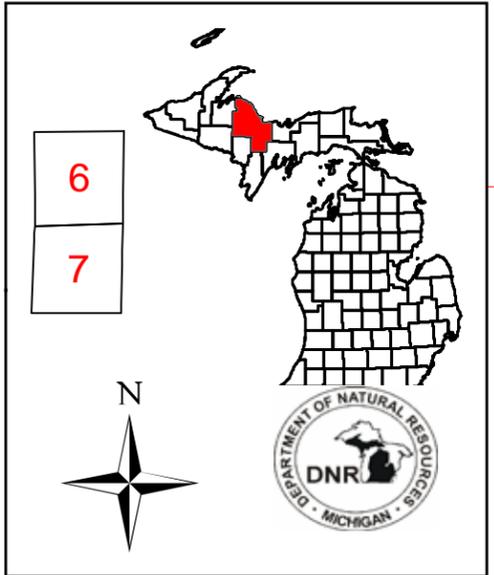
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub



# Dedicated & Proposed Special Conservation Area Map

Compartment: 232  
 T45N R28W Sec. 06, 07  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2014  
 Acres: 1,136 GIS Calculated  
 Examiner: Ben Travis  
 Map Revised: 08/28/2012  
 Map Phase: Pre-Review

|                 |                  |
|-----------------|------------------|
| Stand #         | Stocking Density |
| 23              |                  |
| (412)0 - A7     |                  |
| Level 3         | OI               |
| Level 4         | Code             |
| Cover Type Code |                  |



31

**Legend**

- Remonumented Section Corners
- Miris Corners
- Stand Boundaries

**Forest Stands**

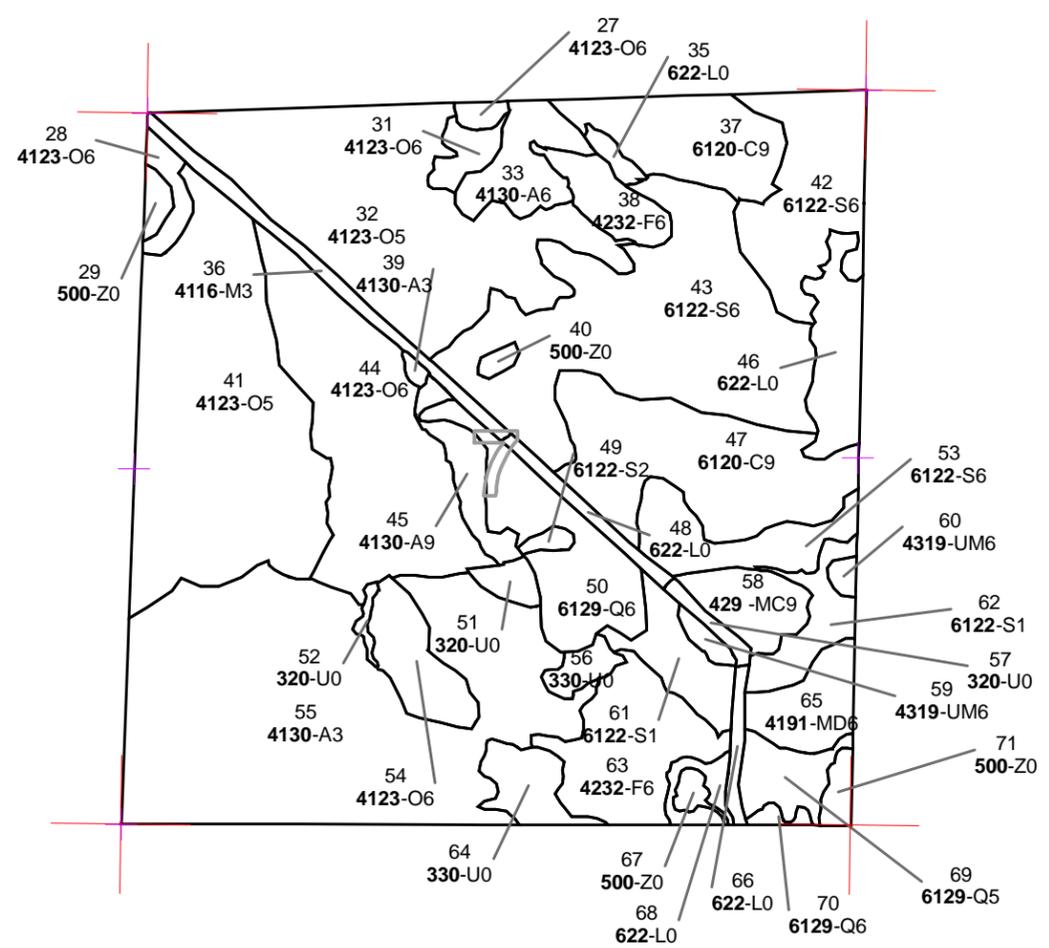
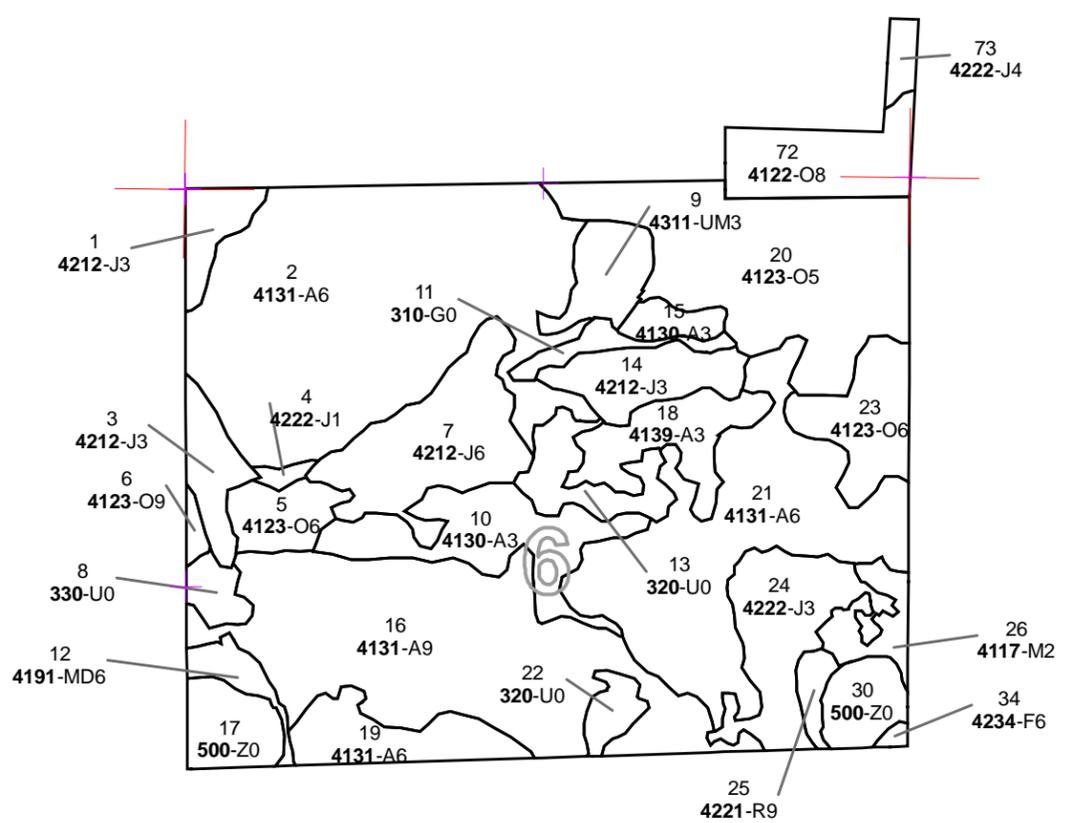
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**Non-Forest Stands**

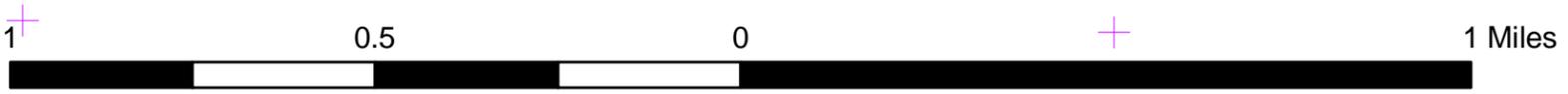
**Level 3**

- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub



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17



87°52'0"W 87°51'0"W 87°50'0"W

46°21'0"N  
46°20'0"N  
46°19'0"N  
46°18'0"N

46°21'0"N  
46°20'0"N  
46°19'0"N  
46°18'0"N

**Table 1 – Total Acres by Cover Type and Age Class**



|                        | 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 +     |          | Uneven Age  |
| Aspen                  | 1         | 0         | 203        | 97         | 10        | 0         | 0          | 7          | 13        | 74        | 0        | 0         | 0         | 0        | 404         |
| Cedar                  | 0         | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 0         | 0        | 36        | 18        | 0        | 55          |
| Herbaceous Openland    | 4         | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 0         | 0        | 0         | 0         | 0        | 4           |
| Jack Pine              | 0         | 0         | 12         | 62         | 3         | 0         | 0          | 0          | 0         | 0         | 0        | 0         | 0         | 0        | 77          |
| Low-Density Trees      | 14        | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 0         | 0        | 0         | 0         | 0        | 14          |
| Lowland Conifers       | 0         | 0         | 0          | 0          | 0         | 0         | 0          | 8          | 0         | 0         | 0        | 21        | 0         | 0        | 29          |
| Lowland Shrub          | 22        | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 0         | 0        | 0         | 0         | 0        | 22          |
| Lowland Spruce/Fir     | 0         | 0         | 0          | 18         | 0         | 0         | 88         | 12         | 0         | 0         | 0        | 0         | 0         | 0        | 119         |
| Mixed Upland Deciduous | 0         | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 14        | 0         | 0        | 0         | 0         | 0        | 14          |
| Northern Hardwood      | 0         | 14        | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 0         | 0        | 0         | 0         | 0        | 14          |
| Oak                    | 0         | 0         | 0          | 10         | 0         | 0         | 63         | 191        | 9         | 16        | 0        | 0         | 0         | 0        | 290         |
| Red Pine               | 0         | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 3         | 0        | 0         | 0         | 0        | 3           |
| Upland Conifers        | 0         | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 9         | 0         | 0        | 0         | 0         | 0        | 9           |
| Upland Mixed Forest    | 0         | 0         | 9          | 0          | 0         | 0         | 0          | 0          | 3         | 0         | 0        | 0         | 0         | 0        | 12          |
| Upland Shrub           | 19        | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 0         | 0        | 0         | 0         | 0        | 19          |
| Upland Spruce/Fir      | 0         | 0         | 0          | 0          | 0         | 21        | 0          | 8          | 0         | 0         | 0        | 0         | 0         | 0        | 29          |
| Water                  | 23        | 0         | 0          | 0          | 0         | 0         | 0          | 0          | 0         | 0         | 0        | 0         | 0         | 0        | 23          |
| <b>Total</b>           | <b>83</b> | <b>14</b> | <b>224</b> | <b>188</b> | <b>13</b> | <b>21</b> | <b>151</b> | <b>226</b> | <b>47</b> | <b>93</b> | <b>0</b> | <b>57</b> | <b>18</b> | <b>0</b> | <b>1136</b> |



## Table 2 – Proposed Treatment Summaries

**Gwinn Mgt. Unit**  
**Year of Entry 2014**

**Compartment 232**  
**Total Compartment Acres: 1136**

### Acres by Treatment Type

|                         |                         |                   |                     |           |
|-------------------------|-------------------------|-------------------|---------------------|-----------|
| Commercial Harvest - 28 | Site Prep - 0           | Tree Planting - 0 | Prescribed Burn - 0 | Other - 0 |
| Habitat Cut - 0         | Opening Maintenance - 0 | Tree Seeding - 0  | Pesticide - 0       |           |

### Cover Type by Harvest Method

|                               | Clearcut  | Selection | Seed Tree | Shelterwood | Thinning | Other - Specify | Total Acres |
|-------------------------------|-----------|-----------|-----------|-------------|----------|-----------------|-------------|
| <b>Aspen</b>                  | 7         | 0         | 0         | 13          | 0        | 0               | <b>19</b>   |
| <b>Mixed Upland Deciduous</b> | 0         | 0         | 0         | 4           | 0        | 0               | <b>4</b>    |
| <b>Upland Shrub</b>           | 4         | 0         | 0         | 0           | 0        | 0               | <b>4</b>    |
| <b>Total</b>                  | <b>11</b> | <b>0</b>  | <b>0</b>  | <b>17</b>   | <b>0</b> | <b>0</b>        | <b>28</b>   |



| Stand  | Treatment Name  | Acres | CoverType                                  | Size Density      | Stand Age | BA Range | Treatment Type | Treatment Method       | Cover Type Objective | Approval Status       |
|--|-----------------|-------|--|-------------------|-----------|----------|----------------|------------------------|----------------------|-----------------------|
| 12   | 32232012-Cut    | 4.3   | 4191 - Mixed Upland Deciduous with Conifer | High Density Pole | 87        | 111-140  | Harvest        | Shelterwood            | 4121 - Oak, Aspen    | Cmpt. Review Proposal |
| <p><u>Prescription</u> Leave 2 to 4 clumps of mature oak per acre while removing the rest. Leave approximately 1/2 of the overstory red pine. Leave some scattered white birch, large aspen and red maple. Leave white pine and hemlock if present. Provide for appropriate set-back from pond, keeping boundary on top of slope.</p> <p><u>Specs:</u></p> <p><u>Other</u> Stand is currently potential old-growth. Recommend removal of this designation. A survey request has been submitted to establish several survey monuments to delineate the private line to east of Round lake and reconcile a possible gate trespass.</p> <p><u>Comments:</u></p> <p><u>Next</u> Follow-up treatment with a regeneration survey as outlined in "Work Instruction 2.1 Reforestation". Oak, jack pine, red pine, white pine, aspen, red maple and white birch are acceptable regeneration.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p> |                 |       |  |                   |           |          |                |                        |                      |                       |
| 19   | 32232019-Cut    | 12.7  | 4131 - Aspen, Oak                          | High Density Pole | 87        | 81-110   | Harvest        | Shelterwood            | 4121 - Oak, Aspen    | Cmpt. Review Proposal |
| <p><u>Prescription</u> --Ben Travis : 08/23/2012 comments: A decision to leave 2 to 4 clumps of overstory oak per acre while removing the rest was made at the pre-review.</p> <p><u>Specs:</u></p> <p>Leave red pine, white pine and hemlock. Leave some scattered large aspen (prefer bigtooth).</p> <p><u>Other</u> A survey request has been submitted for placement of several survey monuments to establish the private line against this stand and to reconcile a possible gate trespass.</p> <p><u>Comments:</u></p> <p><u>Next</u> Follow-up treatment with a regeneration survey as outlined in "Work Instruction 2.1 Reforestation". Oak, maple, aspen and pine are acceptable regeneration.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>   |                 |       |  |                   |           |          |                |                        |                      |                       |
| 45   | 32232045-Cut    | 6.6   | 4130 - Aspen                               | High Density Log  | 72        | 111-140  | Harvest        | Clearcut with Reserves | 4130 - Aspen         | Cmpt. Review Proposal |
| <p><u>Prescription</u> Leave 2 to 4 clumps of mature red oak per acre while removing the rest. Leave some scattered large aspen (prefer bigtooth). May remove some red pine. Leave white pine, cedar and hemlock if found.</p> <p><u>Specs:</u></p> <p><u>Other</u> The State possesses a limited use timber/habitat management easement to access this southern block of state property. The easement passes just to east of Round Lake, and then to south. A Tower Lock is on the gate.</p> <p><u>Comments:</u></p> <p><u>Next</u> Follow-up treatment with a regeneration survey as outlined in "Work Instruction 2.1 Regeneration". Maple, aspen, oak, pine and paper birch are acceptable regeneration.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>  |                 |       |  |                   |           |          |                |                        |                      |                       |
| 22   | NF_32232022-Cut | 3.9   | 3201 - Sweet Fern                          |                   |           |          | Harvest        | Clearcut               | 3201 - Sweet Fern    | Cmpt. Review Proposal |
| <p><u>Prescription</u> Remove patch of mature jack found in approximate center of opening. Only remove the jack pine.</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> No follow-up is needed as desired future condition of stand is non-forested.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>  |                 |       |  |                   |           |          |                |                        |                      |                       |

**Total Treatment  
Acreage Proposed: 27.6**

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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|

#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment**  
**Acreage Proposed: 0**

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2014



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|
|----------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|

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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: #Error

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**Total Treatment  
Acreage Proposed: 0**

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## Gwinn Mgt. Unit

## 5 – Forested Stands

Compartment: 232

Year of Entry: 2014



| Stand | Level 4 Cover Type                         | Size Density         | Acres | Stand Age | BA Range | General Comments:  |
|-------|--|----------------------|-------|-----------|----------|--|
| 1     | 42120 - Planted Jack Pine                  | High Density Sapling | 6.1   | 35        |          | Fully stocked. White birch saplings and red pine sawtimber found.  |
| 2     | 4131 - Aspen, Oak                          | High Density Pole    | 97.2  | 39        | 81-110   | Red pine and white pine saplings found. White pine and red pine poletimber present.  |
| 3     | 42120 - Planted Jack Pine                  | High Density Sapling | 8.0   | 39        | 1-50     | Fully stocked. Stand transitioning out of J3 into poletimber. Infrequent red pine sawtimber.   |
| 4     | 42220 - Natural Jack Pine                  | Low Density Sapling  | 1.2   | 39        |          |  |
| 5     | 4123 - Red Oak                             | High Density Pole    | 8.1   | 87        | 81-110   | White pine and black spruce saplings present.  |
| 6     | 4123 - Red Oak                             | High Density Log     | 1.3   | 87        |          |  |
| 7     | 42120 - Planted Jack Pine                  | High Density Pole    | 26.0  | 35        | 51-80    | Areas where more jack pine saplings than poles in overstory. Fully stocked. Patches where stocking of overstory oak and red pine are heavier. Red oak, trembling aspen and white birch poles present. White pine and white birch saplings found. |
| 9     | 4311 - Pine, Aspen Mix                     | High Density Sapling | 9.2   | 20        |          | Jack pine are approximately 24 feet tall.  |
| 10    | 4130 - Aspen                               | High Density Sapling | 21.8  | 24        |          | Red pine poletimber and saplings present.  |
| 12    | 4191 - Mixed Upland Deciduous with Conifer | High Density Pole    | 4.3   | 87        | 111-140  | Jack pine range from 16 to 18 inches Dbh and is in decline. Aspen range from 14 to 16 inches Dbh. Red oak seedlings present.   |
| 14    | 42120 - Planted Jack Pine                  | High Density Sapling | 12.1  | 20        |          | Heavy stocking. jack pine 20 to 24 feet tall.  |
| 15    | 4130 - Aspen                               | High Density Sapling | 3.9   | 20        |          | Fully stocked. Nice aspen stems. No aspen poles yet. Red pine and white spruce saplings present.   |
| 16    | 4131 - Aspen, Oak                          | High Density Log     | 73.6  | 95        |          | Pockets of heavy bigtooth aspen sapling stocking. Residual oak overstory varies from 0% to 75% canopy cover. Red pine found in overstory.  |
| 18    | 4139 - Aspen, Mixed Deciduous              | High Density Sapling | 13.9  | 24        |          | Aspen approximately 35 to 40 feet tall. Red maple ranges from 16 to 24 feet tall. Some small openings. Small groves of red oak poles/sawlogs. Some pure inclusions of trembling aspen to east side. Jack pine and black cherry saplings present. |
| 19    | 4131 - Aspen, Oak                          | High Density Pole    | 12.7  | 87        | 81-110   | High percentage of white birch are snags. Bigtooth aspen snags present. Aspen is past rotation. Some nice clones of bigtooth aspen which range from 12 to 14 inches Dbh. Red pine, white pine and red oak saplings present.                      |

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## Gwinn Mgt. Unit

## 5 – Forested Stands

Compartment: 232

Year of Entry: 2014



| Stand | Level 4 Cover Type               | Size Density         | Acres | Stand Age | BA Range | General Comments:   |
|-------|----------------------------------|----------------------|-------|-----------|----------|---|
| 20    | 4123 - Red Oak                   | Medium Density Pole  | 51.7  | 78        | 51-80    | Some scattered open areas of A3. White pine poles and white pine saplings present.  |
| 21    | 4131 - Aspen, Oak                | High Density Pole    | 57.2  | 29        | 51-80    | Heavy stocking. Pockets with heavier oak poles. White pine and red pine saplings present.   |
| 23    | 4123 - Red Oak                   | High Density Pole    | 14.0  | 78        | 111-140  | Fully stocked. Small clumps of red pine sawtimber. White pine poles and saplings found.   |
| 24    | 42220 - Natural Jack Pine        | High Density Sapling | 20.7  | 32        |          | Good stocking. White pine poles present. Found bigtooth aspen and white pine saplings. Large red pine sawtimber near Sagola Lake.   |
| 25    | 42210 - Natural Red Pine         | High Density Log     | 2.9   | 92        |          | Stand borders Sagola Lake. Spruce and cedar strip along lakeshore. White sawtimber present. Red pine and fir saplings present.  |
| 26    | 4117 - Mixed N. Hardwood - Pine  | Medium Density       | 6.6   | 15        |          | Borders Sagola Lake. Some open areas with sweetfern. Scattered bigtooth aspen.  |
| 27    | 4123 - Red Oak                   | High Density Pole    | 1.5   | 70        |          | Scattered red and white pine sawtimber.   |
| 28    | 4123 - Red Oak                   | High Density Pole    | 3.4   | 72        | 81-110   | Site slopes down to pond. Stand is buffer for pond. Patches of heavier stocked white pine and red pine saplings.  |
| 31    | 4123 - Red Oak                   | High Density Pole    | 3.7   | 70        | 111-140  | Red pine saplings present. Red pine and white birch poletimber found.   |
| 32    | 4123 - Red Oak                   | Medium Density Pole  | 63.4  | 65        | 51-80    | Variable overstory stocking with residual clumps of red oak. Aspen understory is vigorous. Red pine poletimber and sawtimber scattered throughout stand. Red and white pine saplings found. |
| 33    | 4130 - Aspen                     | High Density Pole    | 10.5  | 42        |          | Bigtooth aspen range up to 9 inches Dbh. Jack pine, white pine and black spruce poletimber found.   |
| 34    | 42340 - Upland Spruce/Fir        | High Density Pole    | 0.7   | 75        |          |   |
| 36    | 4116 - Mixed N. Hardwood - Aspen | High Density Sapling | 7.3   | 18        |          | Old ELF line. Some scattered open areas. Scattered red pine, white pine and fir saplings present.   |
| 37    | 6120 - Lowland Cedar             | High Density Log     | 18.4  | 142       |          |   |
| 38    | 42320 - Upland Spruce            | High Density Pole    | 7.4   | 77        | 141-170  |   |
| 39    | 4130 - Aspen                     | High Density Sapling | 0.6   | 3         |          |   |

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## Gwinn Mgt. Unit

## 5 – Forested Stands

Compartment: 232  
Year of Entry: 2014

|    | Level 4<br>Cover Type                        | Size<br>Density         | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
|----|--|-------------------------|-------|--------------|-------------|---|
| 41 | 4123 - Red Oak                               | Medium<br>Density Pole  | 70.6  | 70           |             | Areas with little to no oak overstory. Oak seedlings found.   |
| 42 | 6122 - Black Spruce                          | High Density<br>Pole    | 24.1  | 65           |             |   |
| 43 | 6122 - Black Spruce                          | High Density<br>Pole    | 63.8  | 64           | 171-200     | Infrequent white pine poles. Tamarack saplings present.   |
| 44 | 4123 - Red Oak                               | High Density<br>Pole    | 45.7  | 72           | 81-110      | Scattered red pine.   |
| 45 | 4130 - Aspen                                 | High Density<br>Log     | 6.6   | 72           | 111-140     | Many white birch snags. Bigtooth aspen range from 10 to 16 inches Dbh, with 4 sticks of product. Aspen boles deteriorating. Red pine sawtimber present. Fir poles present. Red oak and white pine saplings found. |
| 47 | 6120 - Lowland Cedar                         | High Density<br>Log     | 36.4  | 110          | 200+        |   |
| 49 | 6122 - Black Spruce                          | Medium<br>Density       | 1.1   | 30           |             |   |
| 50 | 6129 - Mixed<br>Coniferous Lowland<br>Forest | High Density<br>Pole    | 20.7  | 110          | 111-140     | Pockets of mature cedar. Black spruce range from 1 to 4 sticks, but most are 3 and less.  |
| 53 | 6122 - Black Spruce                          | High Density<br>Pole    | 12.4  | 74           |             |   |
| 54 | 4123 - Red Oak                               | High Density<br>Pole    | 10.1  | 30           |             | Infrequent red pine poles and saplings.   |
| 55 | 4130 - Aspen                                 | High Density<br>Sapling | 106.0 | 23           | 81-110      | Small groves of red oak to southwest. White pine and red pine saplings present.   |
| 58 | 429 - Mixed Upland<br>Conifers               | High Density<br>Log     | 8.6   | 80           | 81-110      | Higher terrain. Patches of F6 and J6. White pine and white birch poletimber found. White pine, red pine and jack pine saplings present.   |
| 73 | 42220 - Natural Jack<br>Pine                 | Low Density<br>Pole     | 2.7   | 42           | 1-50        | Barely a forested condition. Very patchy, could almost treat with a planting or trench & seed.  |
| 59 | 4319 - Mixed Upland<br>Forest                | High Density<br>Pole    | 1.6   | 80           |             | Scattered open areas. Higher terrain. White spruce and red pine poletimber present.   |
| 72 | 4122 - Oak, Pine                             | Medium<br>Density Log   | 16.1  | 95           | 81-110      | PT 1: 50:20 oak:pine<br>PT 2: 100:60 o:p<br>PT 3: 20:80 o:p<br>PT4: 70ft<br>Stand recently harvested. Trace of white pine regen where there is a seed source. Some oak seedlings as well.                         |

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Gwinn Mgt. Unit

## 5 – Forested Stands

Compartment: 232  
Year of Entry: 2014

|    | Level 4<br>Cover Type                      | Size<br>Density     | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
|----|--|---------------------|-------|--------------|-------------|---|
| 60 | 4319 - Mixed Upland Forest                 | High Density Pole   | 1.1   | 80           |             |   |
| 61 | 6122 - Black Spruce                        | Low Density Sapling | 9.1   | 30           |             |   |
| 62 | 6122 - Black Spruce                        | Low Density Sapling | 8.1   | 30           |             |   |
| 63 | 42320 - Upland Spruce                      | High Density Pole   | 21.1  | 50           | 141-170     | 1 to 3 stick spruce. Healthy crowns on spruce and jack pine. White pine sawtimber and white birch poles present. Roughly 40% of spruce stems still at large sapling stage. There are some lowland areas within stand. |
| 65 | 4191 - Mixed Upland Deciduous with Conifer | High Density Pole   | 9.5   | 80           | 111-140     | Higher terrain. Reed oak poles present. Red pine saplings found.  |
| 69 | 6129 - Mixed Coniferous Lowland Forest     | Medium Density Pole | 7.3   | 70           |             |   |
| 70 | 6129 - Mixed Coniferous Lowland Forest     | High Density Pole   | 1.1   | 71           |             |   |



| Stand | Cover Type                        | Acres | Managed Site | Management Priority (Objective) | General Comments:   |
|-------|-----------------------------------|-------|--------------|---------------------------------|---|
| 8     | 3303 - Mixed Low Density Trees    | 4.0   | No           | Unspecified                     | Stand mostly open. Bracken ferns with patches of blueberry. Red maple, jack pine and bigtooth aspen saplings present. Red maple poles and red oak sawlogs found.  |
| 11    | 3101 - Poverty Grass, Cladonia    | 4.2   | No           | Unspecified                     | Infrequent black cherry saplings, jack pine poletimber and red pine sawtimber. Stand mainly open. Long, south-facing slope. 50% sedge, rest split between sweetfern, bracken and blueberry.                                 |
| 13    | 3201 - Sweet Fern                 | 9.8   | NVA          | Unspecified                     | Sedge and bracken found in patches. Not much blueberry. Stand still mainly open in center, with edges pushing in. Red maple saplings are predominant tree type. Jack pine, red pine, black cherry and oak saplings present. |
| 17    | 50 - Water                        | 8.9   | No           | Unspecified                     | Round Lake.   |
| 22    | 3201 - Sweet Fern                 | 3.9   | NVA          | Unspecified                     | Patches of blueberry, bracken and sweetfern. Serviceberry, Sparse red maple poletimber and red oak sawtimber. Patch of mature jack pine.  |
| 29    | 50 - Water                        | 1.8   | No           | Unspecified                     |   |
| 30    | 50 - Water                        | 7.6   | No           | Unspecified                     | Sagola Lake.  |
| 35    | 6220 - Alder/willow               | 1.7   | NVA          | Unspecified                     |   |
| 40    | 50 - Water                        | 1.1   | No           | Unspecified                     |   |
| 46    | 6220 - Alder/willow               | 11.5  | No           | Unspecified                     |   |
| 48    | 6220 - Alder/willow               | 3.3   | No           | Unspecified                     | Old ELF line.   |
| 51    | 3201 - Sweet Fern                 | 2.6   | NVA          | Unspecified                     | Blueberry and bracken also present. Red maple saplings most common invader. Red pine, trembling aspen, fir and white pine saplings present. West 1/2 of stand really beginning to fill in with trees.                       |
| 52    | 3201 - Sweet Fern                 | 0.9   | No           | Unspecified                     | Red maple, red pine and red oak saplings.   |
| 56    | 3301 - Low Density Deciduous Tree | 3.1   | NVA          | Unspecified                     |   |
| 57    | 3201 - Sweet Fern                 | 1.9   | No           | Unspecified                     |   |



| Stand | Cover Type                        | Acres | Managed Site | Management Priority (Objective) | General Comments:  |
|-------|-----------------------------------|-------|--------------|---------------------------------|--|
| 64    | 3301 - Low Density Deciduous Tree | 6.9   | N/A          | Unspecified                     | Sweetfern predominant groundcover, with some blueberry and bracken. Black cherry, red maple and jack pine saplings most numerous woody plants. Oak and red pine saplings also present. Red pine, white pine and red oak sawtimber found. Red oak, red maple and bigtooth aspen poles present. Stand well on its way to succeeding to forested state. |
| 66    | 6229 - Mixed lowland shrub        | 2.5   | No           | Unspecified                     | Very mucky soils.  |
| 67    | 50 - Water                        | 1.5   | No           | Unspecified                     | Outlet of this pond flows east into Heart Lake.  |
| 68    | 6220 - Alder/willow               | 3.3   | No           | Unspecified                     | Black spruce saplings present.   |
| 71    | 50 - Water                        | 2.3   | No           | Unspecified                     | Outlet of Heart lake joins the Flat Rock creek.  |



### 7 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

| Stand | SCA Type | SCA Name | Acres | Comments |
|-------|----------|----------|-------|----------|
|-------|----------|----------|-------|----------|



### 8 – 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

| <b>Conservation Area</b> | <b>Type</b> | <b>Description</b> |
|--------------------------|-------------|--------------------|
|--------------------------|-------------|--------------------|

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