



**Sault Ste Marie Forest Management Unit**  
**Compartment Review Presentation**  
**Compartment # 33**                      **Entry Year: 2014**  
**Compartment Acreage: 2,111**        **County: Mackinac**

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**Revision Date:** June 18, 2012

**Stand Examiner:** Jeffery Wise

**Legal Description:** T43N R1W Sec 7, 19, 20, 21, 26, 27, 28, 30                      Marquette Township

**RMU (if applicable):**

**Management Goals:** Spruce budworm has damaged much of the white spruce and balsam fir component within the mature aspen stands. The previous YOE held off from the northern portion of the compartment due to access problems. Management this YOE will focus on these northern stands while there is still a salvageable softwood resource. Private landowners seem more willing to provide access because of these issues. Beech Bark Disease in the hardwood will allow management for this by removing diseased beech to maintain basal areas of around 70-80.

**Soil and Topography:** Gullies and ravines through out this compartment make managing a challenge. Taylor Creek bisects the compartment from west to east, virtually separating access between north and south sections of the compartment. The higher hardwood/aspen areas consist of Shelter series soils and the lowland softwood are of the Markie muck complex.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is completely surrounded by private land there being one 240 acre block, and one 160 acre block with no legal access. The main body of manageable land is surrounded by homes and camps.

**Unique, Natural Features:** None known at this time but MNFI data base is consulted before any management activity begins. Narrative for 2002 mentions walking fern but none found this YOE.

**Archeological, Historical, and Cultural Features:** None known

**Special Management Designations or Considerations:** The east part is somewhat of a deer yard.

**Watershed and Fisheries Considerations:** This compartment contains Taylor Creek and an unnamed stream, within the Munuscong River watershed. Taylor Creek is a brook trout stream, and a 300' no-clearcut buffer should be maintained adjacent to Taylor Creek.

**Wildlife Habitat Considerations:** Compartment 33 is located in the Huron Patterned Outcrop Management Area. It contains a mix of upland and lowland types ranging from northern hardwood and aspen to lowland cedar and mixed conifer. Two disjunct areas lie apart from the main portion of the compartment. Taylor Creek flows through the larger main portion. A number of wetlands are located here providing some habitat for beaver, herons, and waterfowl. The eastern side is part of a deer wintering complex. Past management in the compartment has resulted in young aspen near 3-Mile Road as well as creating pockets in the hardwood canopy on the southwest side to diversify these hardwoods.

Wildlife objectives for the next 10 years include maintaining aspen where it exists and promoting age class diversity between stands, diversifying hardwoods while maintaining mast producing species, and retaining conifer that provides important winter cover. Some mature aspen and aspen mixed stands, including those near conifer cover, will be targeted for treatment to encourage aspen regeneration for ruffed grouse, white-tailed deer, and snowshoe hare. Some mature trees will be retained within stands for species relying upon larger trees and snags, such as the pileated woodpecker. Lowland cedar and mixed conifer stands with closed canopy cover will be left to provide winter cover for deer, hare, and other species. Harvests in stands with deciduous species will primarily take place during the winter months, allowing tops to be available as browse. Wetlands and waterbodies will be buffered to protect the habitat associated with these systems.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of a mixture of lacustrine (lake) clay and silt, thin to discontinuous glacial deposits over bedrock and minor coarse-textured glacial till. The glacial drift thickness varies between 50 and 100 feet. The Silurian Engadine, Manistique, and Burnt Bluff Groups subcrop below the glacial drift. The Engadine is quarried for stone/dolomite six miles to the southeast. There are gravel pits in the area, and there appears to be good potential for the upland areas. There is no economic oil and gas production in the UP.

**Vehicle Access:** The east boundary is county road and provides adequate access. The rest of the compartment is limited with one public easement road into the southern and western portion. The northern half is land locked with private landowners controlling all access.

**Survey Needs:** Some corners in the west part of Sec 19 would be useful.

**Recreational Facilities and Opportunities:** The eastern and southern parts provide adequate access for hunting, Taylor creek might provide fishing. Other than that, there are no trails in this compartment.

**Fire Protection:** Two blocks mentioned above are land locked with no legal access. Landowners would oblige though if there was a fire. Taylor Creek would be the only close water source. For the west side, Grass Lake would be good water and access would be Fish Road. The east side has Three Mile Rd for good access and Taylor Creek for water.

**Additional Compartment Information:**

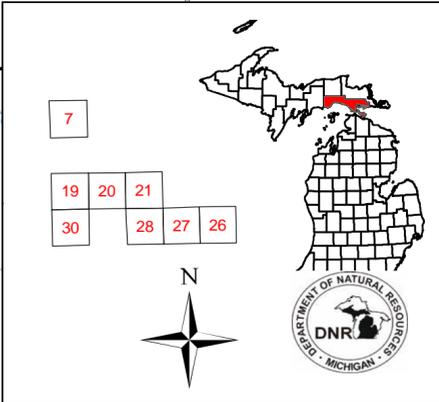
**Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:**

- ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Listing – Forested**
  - ◆ **Stand Listing – Non Forested**
  - ◆ **Special Conservation Area (SCA) Details**
- **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**
- SCA – Special Conservation Areas**

# Cover Type & Treatment Map

Compartment: 033  
 T43N R01W Sec. 7, 19 - 21, 26 - 28, 30  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 YOE: 2014  
 Acres: 2,111 GIS Calculated  
 Examiner: Jeff Wise  
 Map Revised: 08/08/2012  
 Map Phase: Pre-Review

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



### Legend

- Remonumented Section Corners
- Miris Corners
- PLSS Corner
- Pipeline
- Powerline
- Structures
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

### Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

### Forest Stands

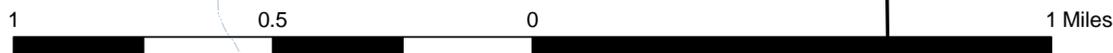
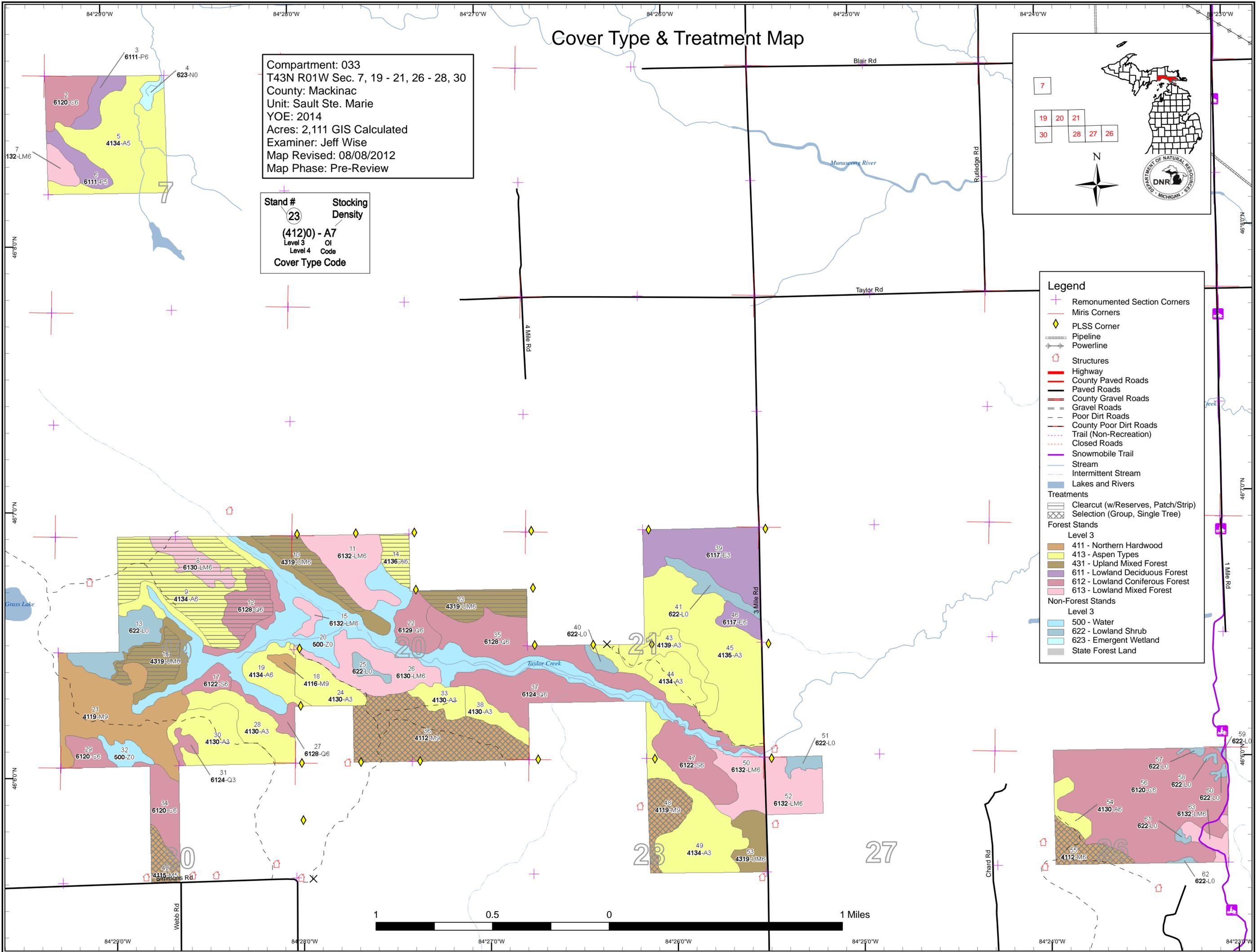
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

### Non-Forest Stands

Level 3

- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- State Forest Land

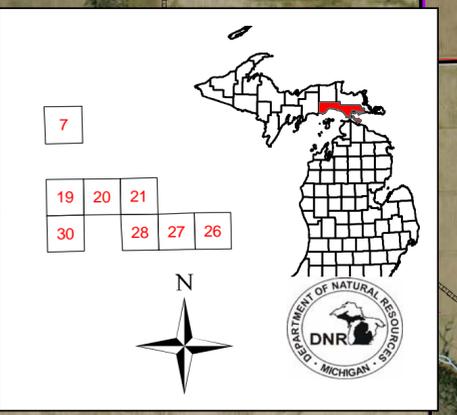


Map coordinates: 84°29'0"W, 84°28'0"W, 84°27'0"W, 84°26'0"W, 84°25'0"W, 84°24'0"W  
 46°50'0"N, 46°49'0"N, 46°48'0"N, 46°47'0"N, 46°46'0"N, 46°45'0"N

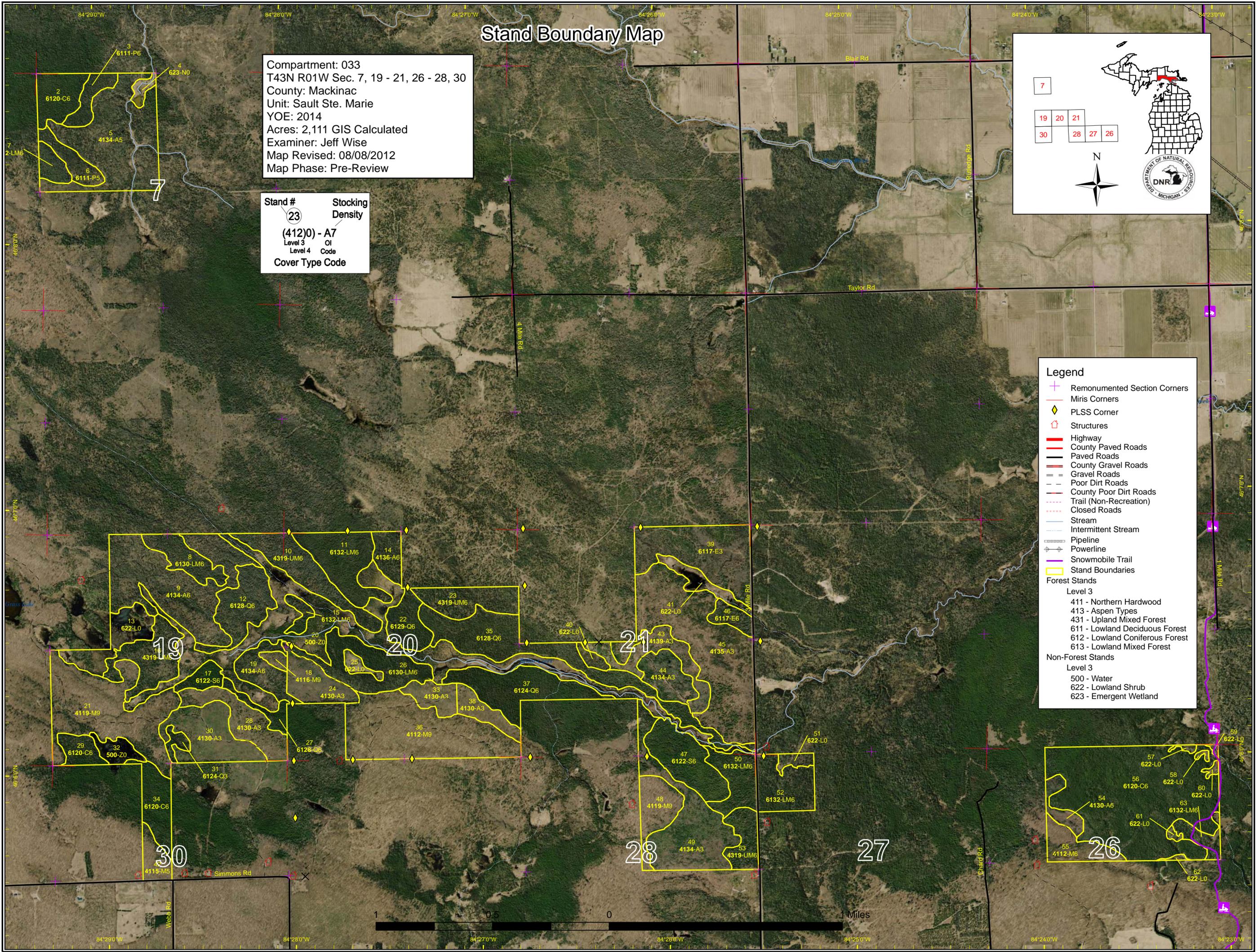
# Stand Boundary Map

Compartment: 033  
 T43N R01W Sec. 7, 19 - 21, 26 - 28, 30  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 YOE: 2014  
 Acres: 2,111 GIS Calculated  
 Examiner: Jeff Wise  
 Map Revised: 08/08/2012  
 Map Phase: Pre-Review

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



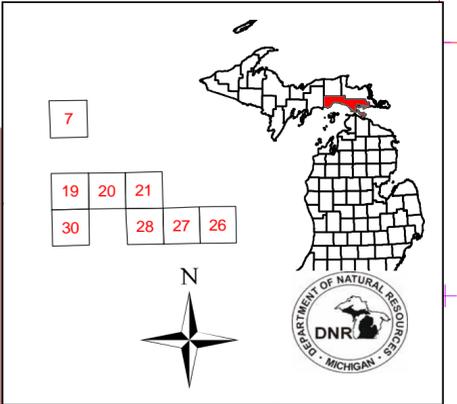
- Legend**
- ⊕ Remonumented Section Corners
  - ⊕ Miris Corners
  - ◆ PLSS Corner
  - ⊠ Structures
  - ▬ Highway
  - ▬ County Paved Roads
  - ▬ Paved Roads
  - ▬ County Gravel Roads
  - ▬ Gravel Roads
  - ▬ Poor Dirt Roads
  - ▬ County Poor Dirt Roads
  - ▬ Trail (Non-Recreation)
  - ▬ Closed Roads
  - ▬ Stream
  - ▬ Intermittent Stream
  - ▬ Pipeline
  - ⊕ Powerline
  - ▬ Snowmobile Trail
  - ▬ Stand Boundaries
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



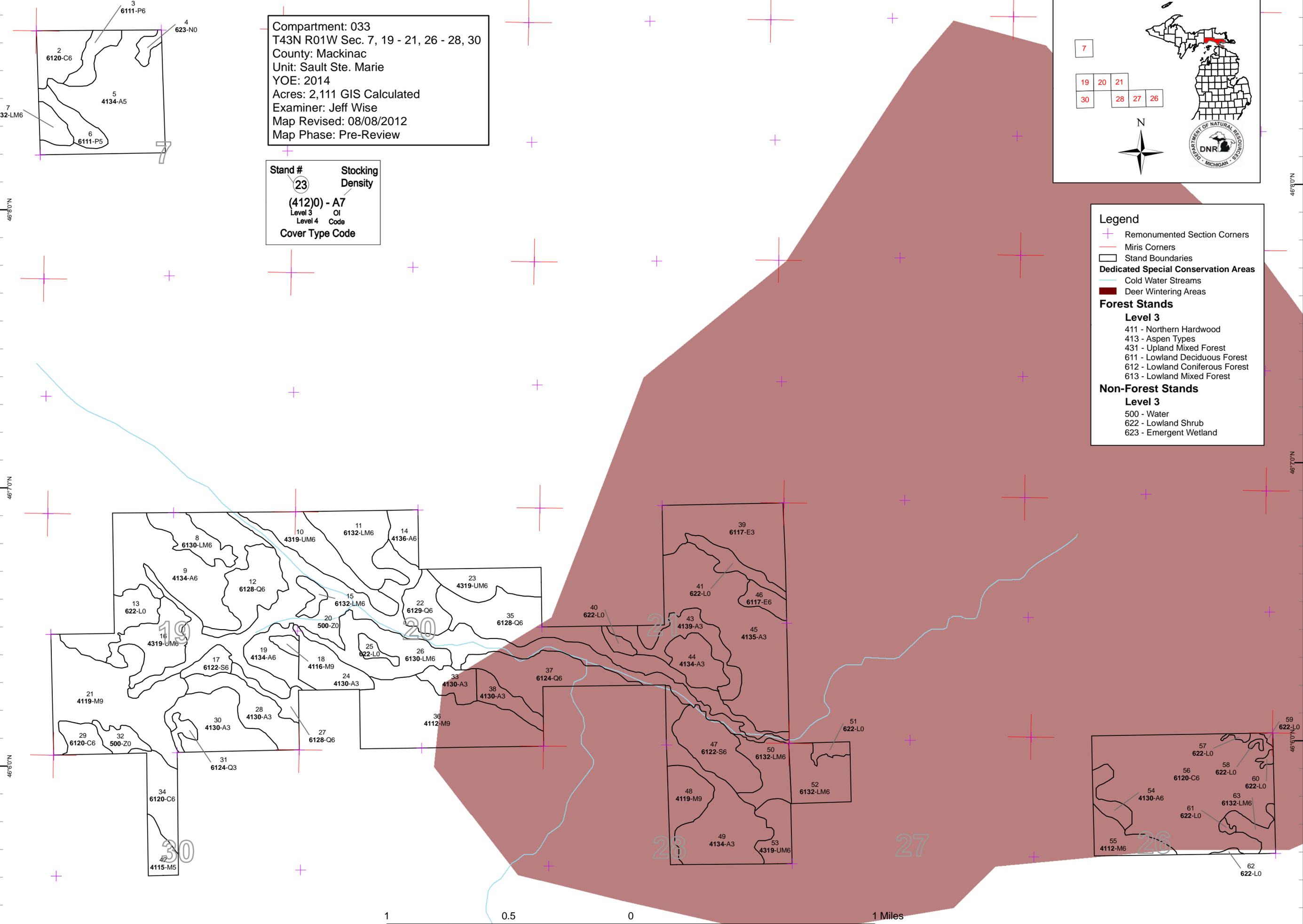
# Dedicated & Proposed Special Conservation Area Map

Compartment: 033  
 T43N R01W Sec. 7, 19 - 21, 26 - 28, 30  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 YOE: 2014  
 Acres: 2,111 GIS Calculated  
 Examiner: Jeff Wise  
 Map Revised: 08/08/2012  
 Map Phase: Pre-Review

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



- Legend**
- ✦ Remonumented Section Corners
  - ✦ Miris Corners
  - Stand Boundaries
  - Dedicated Special Conservation Areas**
  - Cold Water Streams
  - Deer Wintering Areas
  - Forest Stands**
  - Level 3**
  - 411 - Northern Hardwood
  - 413 - Aspen Types
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
  - Non-Forest Stands**
  - Level 3**
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



84°29'0"W 84°28'0"W 84°27'0"W 84°26'0"W 84°25'0"W 84°24'0"W 84°23'0"W

46°50'0"N 46°51'0"N 46°52'0"N

46°50'0"N 46°51'0"N 46°52'0"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                       | 177        | 90         | 128        | 11        | 0        | 23         | 0         | 103        | 15         | 97        | 0          | 0         | 0        | 0        | 644         |
| Cedar                       | 0          | 0          | 0          | 0         | 0        | 0          | 0         | 0          | 197        | 0         | 25         | 26        | 0        | 0        | 248         |
| Lowland Aspen/Balsam Poplar | 0          | 0          | 0          | 0         | 0        | 15         | 0         | 14         | 0          | 0         | 0          | 0         | 0        | 0        | 29          |
| Lowland Conifers            | 0          | 6          | 0          | 0         | 0        | 22         | 10        | 88         | 79         | 0         | 0          | 0         | 0        | 0        | 205         |
| Lowland Deciduous           | 0          | 70         | 0          | 0         | 0        | 0          | 11        | 0          | 0          | 0         | 0          | 0         | 0        | 0        | 80          |
| Lowland Mixed Forest        | 0          | 0          | 0          | 27        | 0        | 57         | 45        | 23         | 50         | 0         | 0          | 0         | 0        | 0        | 202         |
| Lowland Shrub               | 68         | 0          | 0          | 0         | 0        | 0          | 0         | 0          | 0          | 0         | 0          | 0         | 0        | 0        | 68          |
| Lowland Spruce/Fir          | 0          | 0          | 0          | 0         | 0        | 0          | 10        | 0          | 42         | 0         | 0          | 0         | 0        | 0        | 52          |
| Marsh                       | 5          | 0          | 0          | 0         | 0        | 0          | 0         | 0          | 0          | 0         | 0          | 0         | 0        | 0        | 5           |
| Northern Hardwood           | 0          | 0          | 0          | 0         | 0        | 0          | 0         | 0          | 0          | 0         | 266        | 0         | 0        | 0        | 266         |
| Upland Mixed Forest         | 0          | 0          | 0          | 0         | 0        | 42         | 0         | 37         | 50         | 0         | 0          | 0         | 0        | 0        | 129         |
| Water                       | 182        | 0          | 0          | 0         | 0        | 0          | 0         | 0          | 0          | 0         | 0          | 0         | 0        | 0        | 182         |
| <b>Total</b>                | <b>433</b> | <b>165</b> | <b>128</b> | <b>38</b> | <b>0</b> | <b>158</b> | <b>76</b> | <b>265</b> | <b>434</b> | <b>97</b> | <b>291</b> | <b>26</b> | <b>0</b> | <b>0</b> | <b>2111</b> |



## Table 2 – Proposed Treatment Summaries

**Sault Ste. Marie Mgt. Unit**  
**Year of Entry 2014**

**Compartment 033**  
**Total Compartment Acres: 2111**

### Acres by Treatment Type

|                          |                         |                   |                     |           |
|--------------------------|-------------------------|-------------------|---------------------|-----------|
| Commercial Harvest - 392 | 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>                | 100        | 0          | 0         | 0         | 0           | 0        | 0               | 100         |
| <b>Lowland Conifers</b>     | 26         | 0          | 0         | 0         | 0           | 0        | 0               | 26          |
| <b>Lowland Mixed Forest</b> | 23         | 0          | 0         | 0         | 0           | 0        | 0               | 23          |
| <b>Northern Hardwood</b>    | 0          | 163        | 0         | 0         | 0           | 0        | 0               | 163         |
| <b>Upland Mixed Forest</b>  | 80         | 0          | 0         | 0         | 0           | 0        | 0               | 80          |
| <b>Total</b>                | <b>229</b> | <b>163</b> | <b>0</b>  | <b>0</b>  | <b>0</b>    | <b>0</b> | <b>0</b>        | <b>392</b>  |



| Stand  | Treatment Name | Acres | CoverType                                  | Size Density      | Stand Age | BA Range | Treatment Type | Treatment Method       | Cover Type Objective                       | Approval Status       |
|--|----------------|-------|--|-------------------|-----------|----------|----------------|------------------------|--|-----------------------|
| 8  | 45033008-Cut   | 22.7  | 6130 - Fir, Aspen, Maple                   | High Density Pole | 71        |          | Harvest        | Clearcut with Reserves | 4319 - Mixed Upland Forest                 | Cmpt. Review Proposal |
| <p><u>Prescription:</u> Cuit all species except cedar, pine, lower wet areas, and a patch to break up the treatment areas to the east and west. Access issues, may need LF. Budworm damage bad.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Follow up treatment with regen survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>   |                |       |  |                   |           |          |                |                        |  |                       |
| 9  | 45033009-Cut   | 85.0  | 4134 - Aspen, Spruce/Fir                   | High Density Pole | 71        |          | Harvest        | Clearcut with Reserves | 4134 - Aspen, Spruce/Fir                   | Cmpt. Review Proposal |
| <p><u>Prescription:</u> Cut all species except cedar and pine. Access issues, pvt only, may need LF. Budworm damage bad. Leave a 300' buffer along slopes and wetlands. Leave some scattered mature trees representative of the stand and a couple of retention pockets.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Follow up treatment with regen survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>  |                |       |  |                   |           |          |                |                        |  |                       |
| 10   | 45033010-Cut   | 25.6  | 4319 - Mixed Upland Forest                 | High Density Pole | 51        |          | Harvest        | Clearcut with Reserves | 4319 - Mixed Upland Forest                 | Cmpt. Review Proposal |
| <p><u>Prescription:</u> Cut all species except cedar and pine. Access issues- pvt only. May need a LF. Budworm damage bad. Leave a 300' buffer along slopes and wetlands.</p> <p><u>Specs:</u> WLD: Leave some scattered trees representative of the stand.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Follow up treatment with regen survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>  |                |       |  |                   |           |          |                |                        |  |                       |
| 12   | 45033012-Cut   | 26.4  | 6128 - Lowland Coniferous, Mixed Deciduous | High Density Pole | 71        |          | Harvest        | Clearcut with Reserves | 6128 - Lowland Coniferous, Mixed Deciduous | Cmpt. Review Proposal |
| <p><u>Prescription:</u> Cut all species except cedar and pine, leave 300 ft buffer along wetland, access issues, pvt only, may need LF. Budworm damage bad. Leave some scattered mature trees representative of the stand, and leave a retention patch along with the one in stand 8 to break up the treatments and provide a cover corridor.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Follow up treatment with regen survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p> |                |       |  |                   |           |          |                |                        |  |                       |



| S<br>t<br>a<br>n<br>d  | Treatment<br>Name | Acres | CoverType                                     | Size<br>Density         | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method       | Cover Type<br>Objective                       | Approval<br>Status       |
|--|-------------------|-------|---|-------------------------|--------------|-------------|-------------------|---------------------------|---|--------------------------|
| 14   | 45033014-Cut      | 14.9  | 4136 - Aspen,<br>Mixed Conifer                | High<br>Density<br>Pole | 81           |             | Harvest           | Clearcut with<br>Reserves | 4136 - Aspen,<br>Mixed Conifer                | Cmpt. Review<br>Proposal |
| <p><u>Prescription:</u> Cut all species except cedar and pine. Access issues- pvt only. Landowner says he wil only let one producer on his land. This mustt be sold as<br/> <u>Specs:</u> small sale to that producer. Budworm damage bad. Leave some scattered mature trees representative of the stand. Winter cut, no chipping of<br/> tops.</p> <p><u>Other<br/> Comments:</u></p> <p><u>Next<br/> Steps:</u> Follow up treatment with regen survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed<br/> Start Date:</u> 10/01/2013</p>   |                   |       |   |                         |              |             |                   |                           |   |                          |
| 16   | 45033016-Cut      | 23.3  | 4319 - Mixed<br>Upland Forest                 | High<br>Density<br>Pole | 71           |             | Harvest           | Clearcut with<br>Reserves | 4319 - Mixed<br>Upland Forest                 | Cmpt. Review<br>Proposal |
| <p><u>Prescription:</u> Cut all species except cedar, maple, and pine. Leave a few big aspen. Budworm damage is bad. Leave a 300' buffer along wetlands.<br/> <u>Specs:</u></p> <p><u>Other<br/> Comments:</u></p> <p><u>Next<br/> Steps:</u> Follow up treatment with regen survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed<br/> Start Date:</u> 10/01/2013</p>   |                   |       |   |                         |              |             |                   |                           |   |                          |
| 23   | 45033023-Cut      | 30.9  | 4319 - Mixed<br>Upland Forest                 | High<br>Density<br>Pole | 81           |             | Harvest           | Clearcut with<br>Reserves | 4319 - Mixed<br>Upland Forest                 | Cmpt. Review<br>Proposal |
| <p><u>Prescription:</u> Cut all species except cedar and pine. Access issues- pvt only. Land owner says he will only let one produce on his land. This must be sold as a<br/> <u>Specs:</u> small sale to that producer. Budworm damage bad. Leave some scattered mature trees representative of the stand. Winter cut, no chipping of<br/> tops.</p> <p><u>Other<br/> Comments:</u></p> <p><u>Next<br/> Steps:</u> Follow up treatment with regen survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed<br/> Start Date:</u> 10/01/2013</p> |                   |       |   |                         |              |             |                   |                           |   |                          |
| 36   | 45033036-Cut      | 100.9 | 4112 - Maple,<br>Beech, Cherry<br>Association | High<br>Density<br>Log  | 100          | 81-110      | Harvest           | Single Tree<br>Selection  | 4112 - Maple,<br>Beech, Cherry<br>Association | Cmpt. Review<br>Proposal |
| <p><u>Prescription:</u> Remove diseased beech to not lower than 70 BA. Do not cut resistant beech if any are found. Make regen gaps where beech removal would<br/> <u>Specs:</u> leave less than 70 BA. Leave 3-5 beech per acre, some large wolfy trees, and snags. Winter cut, no chipping of tops.</p> <p><u>Other<br/> Comments:</u></p> <p><u>Next<br/> Steps:</u> Follow up treatment with regen and BBD survey per work instructions. Regen of present species acceptable.</p> <p><u>Proposed<br/> Start Date:</u> 10/01/2013</p>                                     |                   |       |   |                         |              |             |                   |                           |   |                          |

Table 3 -- Treatments Prescribed  
with No Limiting Factor

| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | CoverType                     | Size<br>Density           | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method      | Cover Type<br>Objective       | Approval<br>Status       |
|-----------------------|-------------------|-------|-------------------------------|---------------------------|--------------|-------------|-------------------|--------------------------|-------------------------------|--------------------------|
| 42                    | 45033042-Cut      | 13.7  | 4115 - Y.Birch,<br>Hemlock NH | Medium<br>Density<br>Pole | 100          | 81-110      | Harvest           | Single Tree<br>Selection | 4115 - Y.Birch,<br>Hemlock NH | Cmpt. Review<br>Proposal |

Prescription Mark to 80 BA for a small firwood producer to remove diseased beech and ash.

Specs:

Other

Comments:

Next Follow up treatment with regen and BBD survey per work instructions. Regen of present species acceptable.

Steps:

Proposed

Start Date: 10/01/2013

|    |              |      |   |                         |     |         |         |                          |   |                          |
|----|--------------|------|---|-------------------------|-----|---------|---------|--------------------------|---|--------------------------|
| 55 | 45033055-Cut | 22.2 | 4112 - Maple,<br>Beech, Cherry<br>Association | High<br>Density<br>Pole | 100 | 111-140 | Harvest | Single Tree<br>Selection | 4112 - Maple,<br>Beech, Cherry<br>Association | Cmpt. Review<br>Proposal |
|----|--------------|------|---|-------------------------|-----|---------|---------|--------------------------|---|--------------------------|

Prescription Remove diseased beech to not lower than 70 BA. Do not cut resistant beech if any are found. Make regen gaps where beech removal would

Specs: leave less than 70 BA.

Other

Comments:

Next Follow up treatment with regen and BBD survey per work instructions. Regen of present species acceptable.

Steps:

Proposed

Start Date: 10/01/2013

**Total Treatment  
Acreage Proposed: 365.6**

**Table 4 -- Treatments Prescribed with a Limiting Factor**



S  
t  
a  
n  
d

| Treatment Name  | Acres | CoverType                       | Size Density     | Stand Age | BA Range | Treatment Type | Treatment Method      | Cover Type Objective            | Approval Status       |
|-----------------|-------|---------------------------------|------------------|-----------|----------|----------------|-----------------------|---------------------------------|-----------------------|
| 48 45033048-Cut | 26.4  | 4119 - Mixed Northern Hardwoods | High Density Log | 100       | 81-110   | Harvest        | Single Tree Selection | 4119 - Mixed Northern Hardwoods | Cmpt. Review Proposal |

Prescription Remove some beech if BBD present in YOE 2014. If stand is still healthy, do not prescribe. Do not go below 70 BA if possible. Do not cut  
Specs: resistant beech if any are found.

Other  
Comment:

Next Follow up treatment with BBD survey per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2013

Limiting Factor and No 1C: Other dept or div proc/practices  
Treatment Reason Only prescribe/treat if BBD is bad in YOE 2014.

**Total Treatment**  
**Acreage Proposed: 26.4**

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



| Treatment Name  | Acres | CoverType                     | Size Density        | Stand Age | BA Range | Treatment Type | Treatment Method          | Cover Type Objective                        | Approval Status          |
|---|-------|-------------------------------|---------------------|-----------|----------|----------------|---------------------------|---|--------------------------|
| <b>45104_OutOfY<br/>OE-Cut</b>  | 19.8  |                               |                     |           |          | Harvest        | Crown Thinning            | 42110 - Planted<br>Red Pine                 | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand were present.   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Specs:</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Other</u> This was a buffer left along the creek from a sale called Golden Eagle.  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Comments:</u>  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Next</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Steps:</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Proposed</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Start Date:</u> 10/01/2013   |       |                               |                     |           |          |                |                           |   |                          |
| <b>45152062-Cut</b>   | 5.5   | 4115 - Y.Birch,<br>Hemlock NH | High<br>Density Log | 76        |          | Harvest        | Clearcut with<br>Reserves | 4115 - Y.Birch,<br>Hemlock NH               | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Clear Cut the stand leaving all white pine, hemlock, cedar and yellow birch. Also, leave one healthy, mature red maple, black cherry, spruce, fir, paper birch or sugar maple in order to retain a representation of the stand. |       |                               |                     |           |          |                |                           |   |                          |
| <u>Specs:</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Other</u> cut with adjacent compartment.   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Comments:</u>  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Next</u> Check for regeneration in 4-5 years. Acceptable regeneration will include red maple, yellow birch, hemlock, white pine, black cherry, sugar   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Steps:</u> maple, aspen, ash, beech, and balsam fir.   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Proposed</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Start Date:</u> 10/01/2011   |       |                               |                     |           |          |                |                           |   |                          |
| <b>45157_OutOfY<br/>OE-Cut</b>  | 0.7   |                               |                     |           |          | Harvest        | Low Thinning              | 42110 - Planted<br>Red Pine                 | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand where present.  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Specs:</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Other</u> cut with stand 1 in comp 158.  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Comments:</u>  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Next</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Steps:</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Proposed</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Start Date:</u> 10/01/2013   |       |                               |                     |           |          |                |                           |   |                          |
| <b>45195_OutOfY<br/>OE-Cut</b>  | 27.3  |                               |                     |           |          | Harvest        | Single Tree<br>Selection  | 4111 - S.Maple,<br>Hard Mast<br>Association | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Cut all of the beech in the stand. Mark 2-3 beech to leave when cruising.   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Specs:</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Other</u> Beech bark disease is affecting the beech within this stand.   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Comments:</u>  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Steps:</u> paper birch, ironwood, balsam fir, white spruce and white pine.   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Proposed</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Start Date:</u> 10/01/2013   |       |                               |                     |           |          |                |                           |   |                          |
| <b>45202_OutOfY<br/>OE-Cut</b>  | 449.6 |                               |                     |           |          | Harvest        | Single Tree<br>Selection  | 4111 - S.Maple,<br>Hard Mast<br>Association | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Cut all beech in the stand. While cruising mark 2-3 beech per acre to leave.  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Specs:</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Other</u> Beech bark disease is present in the stand.  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Comments:</u>  |       |                               |                     |           |          |                |                           |   |                          |
| <u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Steps:</u> paper birch, ironwood, balsam fir, white spruce and white pine.   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Proposed</u>   |       |                               |                     |           |          |                |                           |   |                          |
| <u>Start Date:</u> 10/01/2012   |       |                               |                     |           |          |                |                           |   |                          |

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2014



| Treatment Name                    | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------------------------|-------|-----------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------|
| Total Treatment Acreage Proposed: |       | 502.9     |              |           |          |                |                  |                      |                 |

| S<br>t<br>a<br>n<br>d | Sault Ste. Marie Mgt. Unit                 |                     | 5 – Forested Stands |              |             | Compartment: 033  |
|-----------------------|--|---------------------|---------------------|--------------|-------------|---|
|                       | Level 4<br>Cover Type                      | Size<br>Density     | Acres               | Stand<br>Age | BA<br>Range | Year of Entry: 2014   |
|                       |  |                     |                     |              |             | General<br>Comments:  |
| 2                     | 6120 - Lowland Cedar                       | High Density Pole   | 25.1                | 100          |             | Landlocked - part of a 160 acre block in Pickford, no access, may be on the disposal list. Cover type from previous OI.   |
| 3                     | 6111 - Lowland Balsam Poplar               | High Density Pole   | 13.6                | 70           |             | Landlocked - part of a 160 acre block in Pickford, no access, may be on the disposal list. cover type from previous OI.   |
| 5                     | 4134 - Aspen, Spruce/Fir                   | Medium Density Pole | 97.3                | 94           |             | Landlocked - part of a 160 acre block in Pickford, no access, may be on the disposal list. "A river runs through it", and a small patch of cedar in the north east. Cover type from previous OI, comments say many ravines. |
| 6                     | 6111 - Lowland Balsam Poplar               | Medium Density Pole | 15.5                | 55           |             | Landlocked - part of a 160 acre block in Pickford, no access, may be on the disposal list. Cover type from previous OI.   |
| 7                     | 6132 - Mixed Lowland Forest with Cedar     | High Density Pole   | 10.7                | 55           |             | Landlocked - part of a 160 acre block in Pickford, no access, may be on the disposal list. Cover type from previous OI.   |
| 8                     | 6130 - Fir, Aspen, Maple                   | High Density Pole   | 22.7                | 71           |             | Spruce budworm damage is heavy, access from pvt only.   |
| 9                     | 4134 - Aspen, Spruce/Fir                   | High Density Pole   | 103.1               | 71           |             | Spruce budworm damage very bad, neat stand, looks like Drummond, has an old road in it from the past coming in from the west.   |
| 10                    | 4319 - Mixed Upland Forest                 | High Density Pole   | 41.5                | 51           |             | Spruce budworm damage the worst I have seen, long ridge, access only from pvt.  |
| 11                    | 6132 - Mixed Lowland Forest with Cedar     | High Density Pole   | 43.5                | 81           |             | Wet even in this dry seeason, looks like it perpetually regenerates.  |
| 12                    | 6128 - Lowland Coniferous, Mixed Deciduous | High Density Pole   | 38.0                | 71           |             | Spruce budwerom damage bad, access form pvt only.   |
| 14                    | 4136 - Aspen, Mixed Conifer                | High Density Pole   | 14.9                | 81           |             | Spruce budworm is devastating this stand, hardly any conifer alive.   |
| 15                    | 6132 - Mixed Lowland Forest with Cedar     | High Density Pole   | 6.9                 | 81           |             | Island in the Taylor Creek drainage   |
| 16                    | 4319 - Mixed Upland Forest                 | High Density Pole   | 37.1                | 71           |             | Old road into stand from stand 21, spruce budworm damage.   |
| 17                    | 6122 - Black Spruce                        | High Density Pole   | 10.3                | 62           |             | Leave for wildlife corridor between old cuts and Taylor Creek, too wet any way.   |
| 18                    | 4116 - Mixed N. Hardwood - Aspen           | High Density Log    | 4.3                 | 100          | 81-110      | Nice hardwood knob, was part of stand 20  |
| 19                    | 4134 - Aspen, Spruce/Fir                   | High Density Pole   | 22.6                | 51           |             | Spruce budworm damage but access is difficult on steep slopes in the stand.   |



| S<br>t<br>a<br>n<br>d | Sault Ste. Marie Mgt. Unit                 |                      | 5 – Forested Stands |              |             | Compartment: 033<br>Year of Entry: 2014  |
|-----------------------|--|----------------------|---------------------|--------------|-------------|--|
|                       | Level 4<br>Cover Type                      | Size<br>Density      | Acres               | Stand<br>Age | BA<br>Range | General<br>Comments:   |
| 21                    | 4119 - Mixed Northern Hardwoods            | High Density Log     | 98.8                | 100          | 81-110      | Suprisingly, no beech here.  |
| 22                    | 6129 - Mixed Coniferous Lowland Forest     | High Density Pole    | 21.7                | 57           |             | Wet and thick, devastating bud worm damage.  |
| 23                    | 4319 - Mixed Upland Forest                 | High Density Pole    | 30.9                | 81           |             | Falling apart, spruce budworm is devastating this stand.   |
| 24                    | 4130 - Aspen                               | High Density Sapling | 27.5                | 11           |             | Regen very good  |
| 26                    | 6130 - Fir, Aspen, Maple                   | High Density Pole    | 46.3                | 51           |             | Budworm damage minimal and stand is younger than the northern stands.  |
| 27                    | 6128 - Lowland Coniferous, Mixed Deciduous | High Density Pole    | 9.9                 | 62           |             | See comments for st 19.  |
| 28                    | 4130 - Aspen                               | High Density Sapling | 34.1                | 5            |             | Regen very good  |
| 29                    | 6120 - Lowland Cedar                       | High Density Pole    | 13.2                | 81           |             | low and wet, no good access.   |
| 30                    | 4130 - Aspen                               | High Density Sapling | 46.0                | 11           |             | Regen very good  |
| 31                    | 6124 - Lowland Spruce-Fir                  | High Density Sapling | 5.6                 | 11           |             | A small wet patch of ground, was st31, but enough wetland sp to call its own.  |
| 33                    | 4130 - Aspen                               | High Density Sapling | 16.2                | 11           |             | Regen very good  |
| 34                    | 6120 - Lowland Cedar                       | High Density Pole    | 25.7                | 111          |             | Easement strip to Simmons Rd for public access, running water in the drainages, some deer tracks.                          |
| 35                    | 6128 - Lowland Coniferous, Mixed Deciduous | High Density Pole    | 79.4                | 81           |             | Includes uncut buffer strip on north side of Taylor creek, a mix of everyt hing, includes upland and lowland to the river. |
| 36                    | 4112 - Maple, Beech, Cherry Association    | High Density Log     | 100.9               | 100          | 81-110      | BBD, did not find resistant trees.   |
| 37                    | 6124 - Lowland Spruce-Fir                  | High Density Pole    | 50.5                | 71           |             |  |
| 38                    | 4130 - Aspen                               | High Density Sapling | 15.7                | 5            |             | Regen very good  |
| 39                    | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Sapling | 69.6                | 15           |             | Wet, up and down, mostly balm but upland ground has balsam and aspen, old road is tag alder.                               |



| S<br>t<br>a<br>n<br>d | Sault Ste. Marie Mgt. Unit                       |                         | 5 – Forested Stands |              |             | Compartment: 033<br>Year of Entry: 2014  | General<br>Comments: |
|-----------------------|--|-------------------------|---------------------|--------------|-------------|--|----------------------|
|                       | Level 4<br>Cover Type                            | Size<br>Density         | Acres               | Stand<br>Age | BA<br>Range |  |                      |
| 42                    | 4115 - Y.Birch,<br>Hemlock NH                    | Medium<br>Density Pole  | 13.7                | 100          | 81-110      | Part of the easement strip to Simmons Rd for public access, looks like it was an old farm, south end is much more sparse and open grown.   |                      |
| 43                    | 4139 - Aspen, Mixed<br>Deciduous                 | High Density<br>Sapling | 32.0                | 24           |             | Some poles but not there yet, was part of St 45 in OI.   |                      |
| 44                    | 4134 - Aspen,<br>Spruce/Fir                      | High Density<br>Sapling | 24.5                | 24           |             | Some poles but not there yet, was part of St 44 in OI.   |                      |
| 45                    | 4135 - Aspen, Cedar                              | High Density<br>Sapling | 127.4               | 4            |             |  |                      |
| 46                    | 6117 - Lowland<br>Deciduous, Mixed<br>Coniferous | High Density<br>Pole    | 10.6                | 66           |             |  |                      |
| 47                    | 6122 - Black Spruce                              | High Density<br>Pole    | 41.6                | 83           |             | Deer yard but only a few tracks.   |                      |
| 48                    | 4119 - Mixed Northern<br>Hardwoods               | High Density<br>Log     | 26.4                | 100          | 81-110      | Some deer browse on regen.   |                      |
| 49                    | 4134 - Aspen,<br>Spruce/Fir                      | High Density<br>Sapling | 71.7                | 25           |             | Fully stocked regen, Spruce budworm on the conifers.   |                      |
| 50                    | 6132 - Mixed Lowland<br>Forest with Cedar        | High Density<br>Pole    | 27.2                | 30           |             | Diameter limit cut many years ago, full regen of aspen and balsam fir was part of stand 52, contains springs and gullys to Taylor Creek  |                      |
| 52                    | 6132 - Mixed Lowland<br>Forest with Cedar        | High Density<br>Pole    | 33.4                | 66           |             | A "40" on the east side of Three Mile Rd, contains drainages and some lowland.   |                      |
| 53                    | 4319 - Mixed Upland<br>Forest                    | High Density<br>Pole    | 19.6                | 80           |             | Spruce budworm is bad in this area.  |                      |
| 54                    | 4130 - Aspen                                     | High Density<br>Pole    | 11.0                | 38           |             | Landlocked 240 acre block north of Rockview Rd, no access, may be on the disposal list, deer yard, heavy browse on red maple seedlings, eastern boundary against the cedar is a more mature buffer with pole red maple, fir, and white birch, not big enough for a stand to manage though also contains a small, grassy opening. |                      |
| 55                    | 4112 - Maple, Beech,<br>Cherry Association       | High Density<br>Pole    | 22.2                | 100          | 111-140     | Landlocked 240 acre block north of Rockview Rd, no access, may be on the disposal list.  |                      |
| 56                    | 6120 - Lowland Cedar                             | High Density<br>Pole    | 183.7               | 81           |             | Landlocked 240 acre block north of Rockview Rd, no access, may be on the disposal list. Mostly cedar but has scattered red maple, white birch, and aspen, black and white spruce is mixed evenly, north east corner where snow trail cuts through state is a super cool red maple sawlog stand of about an acre, deer yard.      |                      |



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Sault Ste. Marie Mgt. Unit

5 – Forested Stands

Compartment: 033  
Year of Entry: 2014



| Stand | Level 4 Cover Type                     | Size Density      | Acres | Stand Age | BA Range | General Comments:  |
|-------|--|-------------------|-------|-----------|----------|--|
| 63    | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 11.5  | 62        |          | Landlocked 240 acre block north of Rockview Rd, no access, may be on the disposal list, however, snowmobile trail runs through the stand on old road, deer yard, contains a few small marshes. |



| Stand | Cover Type                    | Acres | Managed Site | Management Priority (Objective) | General Comments: |
|-------|-------------------------------|-------|--------------|---------------------------------|-------------------|
| 4     | 6239 - Mixed Emergent Wetland | 5.1   | N/A          | Unspecified                     |                   |
| 13    | 6223 - Inundated Shrub Swamp  | 29.2  | N/A          | Unspecified                     |                   |
| 20    | 50 - Water                    | 171.7 | N/A          | Unspecified                     |                   |
| 25    | 6223 - Inundated Shrub Swamp  | 5.5   | N/A          | Unspecified                     |                   |
| 32    | 50 - Water                    | 10.8  | N/A          | Unspecified                     |                   |
| 40    | 6220 - Alder/willow           | 5.0   | N/A          | Unspecified                     |                   |
| 41    | 6223 - Inundated Shrub Swamp  | 14.5  | N/A          | Unspecified                     |                   |
| 51    | 6223 - Inundated Shrub Swamp  | 5.9   | N/A          | Unspecified                     |                   |
| 57    | 6220 - Alder/willow           | 1.5   | N/A          | Unspecified                     |                   |
| 58    | 6220 - Alder/willow           | 1.1   | N/A          | Unspecified                     |                   |
| 59    | 6220 - Alder/willow           | 1.0   | N/A          | Unspecified                     |                   |
| 60    | 6220 - Alder/willow           | 1.6   | N/A          | Unspecified                     |                   |
| 61    | 6223 - Inundated Shrub Swamp  | 1.7   | N/A          | Unspecified                     |                   |
| 62    | 6223 - Inundated Shrub Swamp  | 1.2   | N/A          | Unspecified                     |                   |



### 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

| 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               | Habitat Area      | An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies. |