



## Roscommon Forest Management Unit Compartment Review Presentation

**Compartment #141**

**Entry Year: 2012**

**Compartment Acreage: 1277**

**County: Roscommon**

**Revision Date:** 7/12/2010

**Stand Examiner:** J. Hartman

**Legal Description:** T21N R3W sections 9 and 16

**Management Area:** Upper Muskegon

**Management Goals:** Follow normal procedures for prescriptions during this year of entry while acknowledging that the compartment is within a proposed matrix level Biodiversity Stewardship Area (BSA) that may affect the long-term management goals.

**Soil and Topography:** The compartment is within a large outwash plain where the site quality is primarily driven by the depth to the water table. There is a large amount of wetland and PARVCo habitat type. The remaining upland would be typed on varying points of the PARVHa category.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The whole compartment and the surrounding area are completely state owned.

**Unique, Natural Features:** An American marten was observed in the compartment in 1999. Other documented natural features include Kirtland's warbler, bald eagle, osprey, king rail, Hill's thistle, and Alleghany plum. Potential exists for massasauga, spotted turtle, ram's head orchid, calypso orchid, and limestone oak fern.

**Archeological, Historical, and Cultural Features:** None identified.

**Special Management Designations or Considerations:** Two small wetland stands were nominated as "old-growth" from the 2000 plan. Nothing significant was identified in these stands. Therefore the designation was not carried forward during this inventory cycle. However, the entire compartment has been proposed as as part of a landscape Biodiversity Stewardship Area (BSA) through a different process.

**Watershed and Fisheries Considerations:** One small intermittent tributary of Wolf Creek flows through the northwest corner of the compartment. No ponds or flowing water was identified in the rest of the compartment. Numerous wetlands feed Wolf Creek, which eventually flows to the Muskegon River.

**Wildlife Habitat Considerations:** The mix of upland and lowland habitats provide for an array of wildlife.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay in the State. Most of the nearby gravel pits are associated with upland areas. The nearest gravel pit is located two and one-half miles to the east. Gravel potential is thought to be limited.

Headquarters Field lies one mile to the southwest. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. All of the State land is currently leased for oil and gas development.

**Vehicle Access:** Boyce Road and Possum Trail are two sand surfaced county roads that provide access to most of the forest roads within the compartment.

**Survey Needs:** None necessary.

**Recreational Facilities and Opportunities:** A few locations serve as seasonal hunting camps in the fall. There is a snowmobile trail along the compartment boundary to the south that also crosses through the northwest corner where it joins an ORV trail to cross the wet areas.

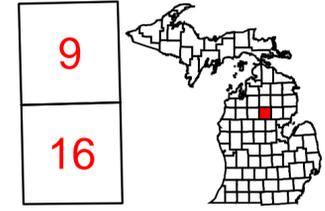
**Fire Protection:** The thick pine stands and jack pine plantations could support large fire growth. However, there is a lot of lowland areas that would slow fire spread. Access is relatively good through most upland areas. The best water point would be along the tributary in the northwest corner.

- **The following reports from the Inventory are attached:**
  - ◆ **Total Acres by Cover Type and Age Class**
  - ◆ **Proposed Treatment Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Details (Forested and Nonforested)**
  - ◆ **Dedicated and Proposed Special Conservation Areas**
  
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand boundaries, cover types, and numbers**
  - ◆ **Proposed treatments**
  - ◆ **Details on the road access system**

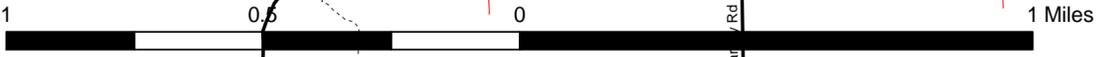
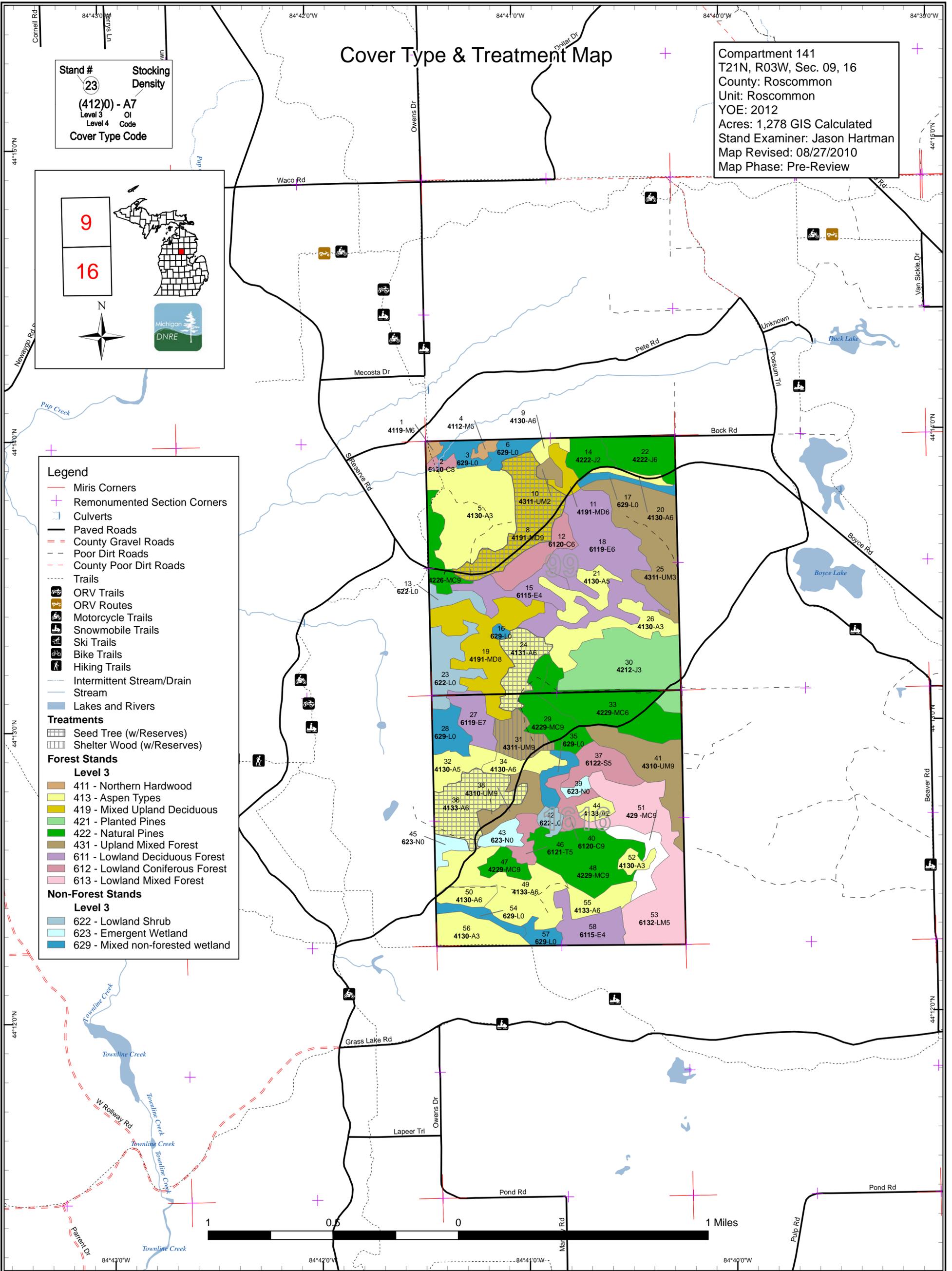
# Cover Type & Treatment Map

Compartment 141  
 T21N, R03W, Sec. 09, 16  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2012  
 Acres: 1,278 GIS Calculated  
 Stand Examiner: Jason Hartman  
 Map Revised: 08/27/2010  
 Map Phase: Pre-Review

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



- Legend**
- Miris Corners
  - Remonumented Section Corners
  - Culverts
  - Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trails
    - ORV Trails
    - ORV Routes
    - Motorcycle Trails
    - Snowmobile Trails
    - Ski Trails
    - Bike Trails
    - Hiking Trails
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
- Treatments**
- Seed Tree (w/Reserves)
  - Shelter Wood (w/Reserves)
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 622 - Lowland Shrub
  - 623 - Emergent Wetland
  - 629 - Mixed non-forested wetland

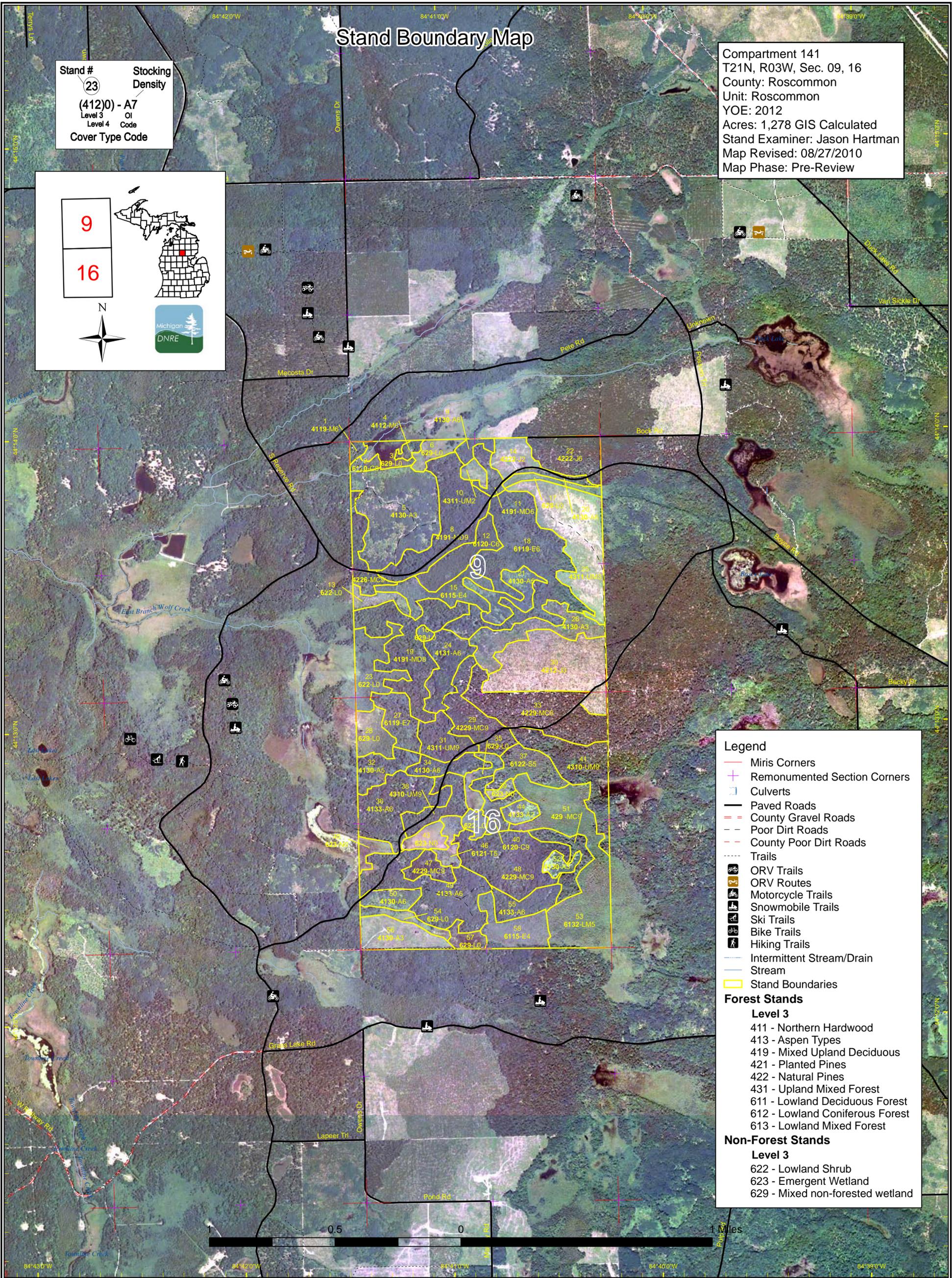


# Stand Boundary Map

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

Compartment 141  
 T21N, R03W, Sec. 09, 16  
 County: Roscommon  
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 Stand Examiner: Jason Hartman  
 Map Revised: 08/27/2010  
 Map Phase: Pre-Review

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Michigan DNR



**Legend**

- Miris Corners
- + Remonumented Section Corners
- Culverts
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trails
- ORV Trails
- ORV Routes
- Motorcycle Trails
- Snowmobile Trails
- Ski Trails
- Bike Trails
- Hiking Trails
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

**Forest Stands**

**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

**Level 3**

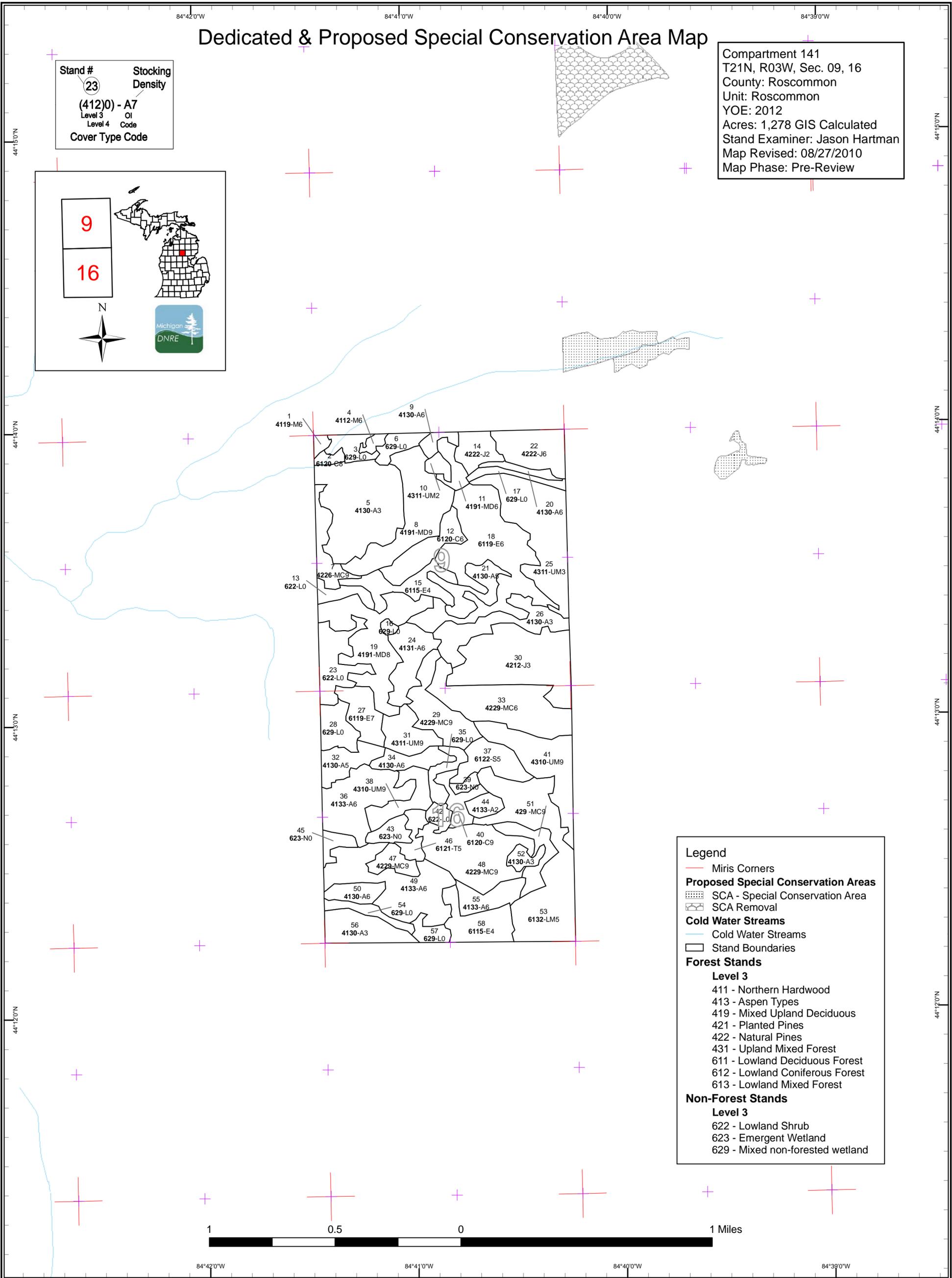
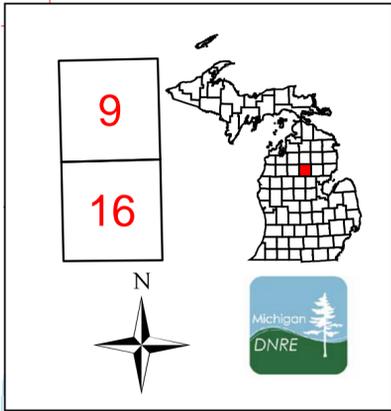
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



# Dedicated & Proposed Special Conservation Area Map

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

Compartment 141  
 T21N, R03W, Sec. 09, 16  
 County: Roscommon  
 Unit: Roscommon  
 YOY: 2012  
 Acres: 1,278 GIS Calculated  
 Stand Examiner: Jason Hartman  
 Map Revised: 08/27/2010  
 Map Phase: Pre-Review



**Legend**

- Miris Corners
- Proposed Special Conservation Areas**
  - SCA - Special Conservation Area
  - SCA Removal
- Cold Water Streams**
  - Cold Water Streams
  - Stand Boundaries
- Forest Stands**
  - Level 3**
    - 411 - Northern Hardwood
    - 413 - Aspen Types
    - 419 - Mixed Upland Deciduous
    - 421 - Planted Pines
    - 422 - Natural Pines
    - 431 - Upland Mixed Forest
    - 611 - Lowland Deciduous Forest
    - 612 - Lowland Coniferous Forest
    - 613 - Lowland Mixed Forest
  - Non-Forest Stands**
    - Level 3**
      - 622 - Lowland Shrub
      - 623 - Emergent Wetland
      - 629 - Mixed non-forested wetland



84°42'0"W 84°41'0"W 84°40'0"W 84°39'0"W

44°15'0"N

44°14'0"N

44°13'0"N

44°12'0"N

44°15'0"N

44°14'0"N

44°13'0"N

44°12'0"N

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

Data updated before 10:00 AM



|                        | Age Class    |            |            |           |           |            |          |           |           |            |          |          |            |            | Total     |             |
|------------------------|--------------|------------|------------|-----------|-----------|------------|----------|-----------|-----------|------------|----------|----------|------------|------------|-----------|-------------|
|                        | Non-Forested | 1-9        | 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                  | 0            | 23         | 141        | 69        | 10        | 92         | 0        | 0         | 0         | 0          | 0        | 0        | 0          | 0          | 0         | 335         |
| Cedar                  | 0            | 0          | 0          | 0         | 0         | 0          | 0        | 0         | 0         | 0          | 0        | 0        | 24         | 11         | 0         | 35          |
| Jack Pine              | 0            | 14         | 66         | 0         | 26        | 0          | 0        | 0         | 0         | 0          | 0        | 0        | 0          | 0          | 0         | 106         |
| Lowland Deciduous      | 0            | 0          | 0          | 0         | 0         | 0          | 0        | 0         | 0         | 0          | 0        | 0        | 105        | 23         | 18        | 146         |
| Lowland Mixed Forest   | 0            | 0          | 0          | 0         | 0         | 0          | 0        | 0         | 0         | 0          | 0        | 0        | 0          | 78         | 0         | 78          |
| Lowland Shrub          | 103          | 0          | 0          | 0         | 0         | 0          | 0        | 0         | 0         | 0          | 0        | 0        | 0          | 0          | 0         | 103         |
| Lowland Spruce/Fir     | 0            | 0          | 0          | 0         | 0         | 0          | 0        | 0         | 0         | 20         | 0        | 0        | 0          | 0          | 0         | 20          |
| Marsh                  | 18           | 0          | 0          | 0         | 0         | 0          | 0        | 0         | 0         | 0          | 0        | 0        | 0          | 0          | 0         | 18          |
| Mixed Upland Deciduous | 0            | 0          | 0          | 0         | 0         | 8          | 0        | 0         | 0         | 103        | 0        | 0        | 0          | 0          | 0         | 111         |
| Natural Mixed Pines    | 0            | 0          | 0          | 0         | 0         | 54         | 0        | 15        | 10        | 0          | 0        | 0        | 0          | 78         | 0         | 156         |
| Northern Hardwood      | 0            | 0          | 0          | 0         | 0         | 3          | 0        | 3         | 0         | 0          | 0        | 0        | 0          | 0          | 0         | 6           |
| Tamarack               | 0            | 0          | 0          | 0         | 0         | 0          | 0        | 9         | 0         | 0          | 0        | 0        | 0          | 0          | 0         | 9           |
| Upland Conifers        | 0            | 0          | 0          | 0         | 0         | 0          | 0        | 0         | 15        | 0          | 0        | 0        | 0          | 0          | 0         | 15          |
| Upland Mixed Forest    | 0            | 65         | 0          | 0         | 0         | 0          | 0        | 18        | 0         | 57         | 0        | 0        | 0          | 0          | 0         | 140         |
| <b>Total</b>           | <b>121</b>   | <b>101</b> | <b>207</b> | <b>69</b> | <b>37</b> | <b>157</b> | <b>0</b> | <b>45</b> | <b>24</b> | <b>180</b> | <b>0</b> | <b>0</b> | <b>130</b> | <b>191</b> | <b>18</b> | <b>1278</b> |



## Table 2 – Proposed Treatment Summaries

Data updated before 10:00 AM

Roscommon Mgt. Unit  
Year of Entry 2012

Compartment 141  
Total Compartment Acres: 1278

### Acres by Treatment Type

|                          |                         |                   |                     |           |
|--------------------------|-------------------------|-------------------|---------------------|-----------|
| Commercial Harvest - 131 | 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 |
|------------------------|----------|-----------|------------|-------------|----------|-----------------|-------------|
| Aspen                  | 0        | 0         | 64         | 0           | 0        | 0               | 64          |
| Mixed Upland Deciduous | 0        | 0         | 49         | 0           | 0        | 0               | 49          |
| Upland Mixed Forest    | 0        | 0         | 0          | 18          | 0        | 0               | 18          |
| <b>Total</b>           | <b>0</b> | <b>0</b>  | <b>113</b> | <b>18</b>   | <b>0</b> | <b>0</b>        | <b>131</b>  |



Data updated before 10:00 AM

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| Treatment Name | Acres | Stage1 CoverType                           | Size Density     | Stand Age | Treatment Type | Treatment Method        | Cover Type Objective | Approval Status       |
|----------------|-------|--|------------------|-----------|----------------|-------------------------|----------------------|-----------------------|
| 8 71141008-Cut | 49.0  | 4191 - Mixed Upland Deciduous with Conifer | High Density Log | 85        | Harvest        | Seed Tree with Reserves | Aspen, Mixed Pine    | Cmpt. Review Proposal |

Prescription Mark 10-30 ft of large oak to leave for mast and future large snags. Cut all deciduous spp. to 2" dbh. Leave all pine and protect the scattered pine regeneration. Aspen, oak, and red maple will regenerate in areas with less oak creating a mixed aspen, oak, and pine stand.

Other Treatment is within proposed BSA boundary. It is intended to gradually move toward restoring the stand structure in dry-mesic northern forest. In addition, the treatment will help stagger aspen age classes.

Next  
Steps:

|                 |      |                   |                   |    |         |                         |                   |                       |
|-----------------|------|-------------------|-------------------|----|---------|-------------------------|-------------------|-----------------------|
| 24 71141024-Cut | 23.1 | 4131 - Aspen, Oak | High Density Pole | 45 | Harvest | Seed Tree with Reserves | Aspen, Mixed Pine | Cmpt. Review Proposal |
|-----------------|------|-------------------|-------------------|----|---------|-------------------------|-------------------|-----------------------|

Prescription This stand has much less oak and pine than the others and also has some overmature aspen toward the north end. Mark oak with big crowns and some hollow aspen to leave. Cut all remaining deciduous spp. to 2" dbh. Leave all pine and protect pine regeneration through the harvest. Close off overgrown firewood cutter roads throughout the stand leaving a turnaround to the south or east.

Other Treatment is within proposed BSA boundary. It is intended to gradually move toward restoring the stand structure in dry-mesic northern forest. In addition, the treatment will help stagger aspen age classes.

Next  
Steps:

|                 |      |                        |                  |    |         |                            |                                   |                       |
|-----------------|------|------------------------|------------------|----|---------|----------------------------|-----------------------------------|-----------------------|
| 31 71141031-Cut | 18.1 | 4311 - Pine, Aspen Mix | High Density Log | 65 | Harvest | Shelter Wood with Reserves | Natural Red Pine, Mixed Deciduous | Cmpt. Review Proposal |
|-----------------|------|------------------------|------------------|----|---------|----------------------------|-----------------------------------|-----------------------|

Prescription Spec cut aspen, red maple, and oak marking individuals of each species to leave for wildlife trees. Leave all pine including those less than 4" dbh and protect the pine regeneration through harvest. The management objective would be for an open grown natural pine stand with open areas of aspen regeneration.

Other Treatment is within proposed BSA boundary. It is intended to gradually move toward restoring the stand structure in dry-mesic northern forest. In addition, the treatment will help stagger aspen age classes.

Next  
Steps:

|                 |      |                          |                   |    |         |                         |                   |                       |
|-----------------|------|--------------------------|-------------------|----|---------|-------------------------|-------------------|-----------------------|
| 36 71141036-Cut | 40.5 | 4133 - Aspen, Mixed Pine | High Density Pole | 40 | Harvest | Seed Tree with Reserves | Aspen, Mixed Pine | Cmpt. Review Proposal |
|-----------------|------|--------------------------|-------------------|----|---------|-------------------------|-------------------|-----------------------|

Prescription Mark 10-30 ft of large oak to leave for mast and future large snags. Cut all remaining deciduous spp. to 2" dbh. Leave all pine and protect the scattered pine regeneration. Aspen, oak, and red maple will regenerate in areas with less oak creating a mixed aspen, oak, and pine stand.

Other Treatment is within proposed BSA boundary. It is intended to gradually move toward restoring the stand structure in dry-mesic northern forest. In addition, the treatment will help stagger aspen age classes.

Next  
Steps:

**Total Treatment**  
**Acres Proposed: 130.7**



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| Treatment Name | Acres | Stage1 CoverType | Size Density | Stand Age | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|------------------|--------------|-----------|----------------|------------------|----------------------|-----------------|
|----------------|-------|------------------|--------------|-----------|----------------|------------------|----------------------|-----------------|

#Error

Prescription  
 Specs:

Other  
 Comment:

Next  
 Steps:

Limiting Factor and No  
 Treatment Reason

**Total Treatment  
 Acreage Proposed: 0**

Data updated before 10:00 AM

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2012



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| Treatment Name | Acres | Stage1 CoverType | Size Density | Stand Age | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|------------------|--------------|-----------|----------------|------------------|----------------------|-----------------|
|----------------|-------|------------------|--------------|-----------|----------------|------------------|----------------------|-----------------|

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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

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**Total Treatment  
Acreage Proposed:           0**

| Stand | Roscommon Mgt. Unit                        |                      | 5 – Forested Stands |           |          | Compartment: 141  |
|-------|--|----------------------|---------------------|-----------|----------|---|
|       | Level 4 Cover Type                         | Size Density         | Acres               | Stand Age | BA Range | Year of Entry: 2012   |
|       |  |                      |                     |           |          | General Comments:   |
| 1     | 4119 - Mixed Northern Hardwoods            | High Density Pole    | 2.6                 | 65        |          |   |
| 2     | 6120 - Lowland Cedar                       | Medium Density Log   | 3.4                 | 110       |          | Small stand of cedar near snowmobile trail bridge. The stand opens up and transitions to mixed non-forested wetland to the northeast.   |
| 4     | 4112 - Maple, Beech, Cherry Association    | High Density Pole    | 3.2                 | 40        |          | On the upland lowland transition with pockets of interior lowland. Heavy beaver activity in the area.   |
| 5     | 4130 - Aspen                               | High Density Sapling | 69.4                | 17        |          | Some heavy beaver cutting along the north edge. Updated OI from timber sale called it and O3, but it is clearly dominated by aspen.   |
| 7     | 42260 - Natural Pine, Mixed Deciduous      | High Density Log     | 15.1                | 65        |          | Multiple ages in the main canopy. 115, 85, 65, 45. Feature stand is 65. Average age and dbh by species is misleading. Better descriptors would be dbh by canopy class.  |
| 8     | 4191 - Mixed Upland Deciduous with Conifer | High Density Log     | 49.0                | 85        | 81-110   | Poor quality quaking aspen mixed with pine to the north. Bigooth aspen, red maple, and oak in the center and aspen/balsam/pine along the road. Some of the oak is in decline and the younger stuff is suppressed and poor form. |
| 9     | 4130 - Aspen                               | High Density Pole    | 5.3                 | 35        |          |   |
| 10    | 4311 - Pine, Aspen Mix                     | Medium Density       | 4.6                 | 7         |          | Natural jp regen with bog inclusions. On the border between upland and lowland.   |
| 11    | 4191 - Mixed Upland Deciduous with Conifer | High Density Pole    | 8.1                 | 40        |          | On the upland lowland transition. Has bog jack pine in the bottleneck   |
| 12    | 6120 - Lowland Cedar                       | High Density Pole    | 21.0                | 115       |          |   |
| 14    | 42221 - Natural Jack Pine, Mixed Deciduous | Medium Density       | 13.8                | 7         |          | Natural jack pine with lowland bog inclusions.  |
| 15    | 6115 - Lowland Ash                         | Low Density Pole     | 22.3                | 115       |          | Several areas that are nearly solid tag alder.  |
| 18    | 6119 - Mixed Lowland Deciduous Forest      | High Density Pole    | 83.1                | 115       |          | Mix of upland and lowland. Scattered overmature aspen in areas where water table isn't as high. Some areas are solid black ash and there is one pocket of solid black spruce. Scattered cedar and balsam throughout.            |
| 19    | 4191 - Mixed Upland Deciduous with Conifer | Medium Density Log   | 54.2                | 85        |          | On the transition from upland aspen to lowland ash.   |
| 20    | 4130 - Aspen                               | High Density Pole    | 5.1                 | 38        |          | Skinny strip of aspen along the road. Some fresh beaver activity.   |



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## Roscommon Mgt. Unit

5 – Forested Stands  
Data updated before 10:00 AMCompartment: 141  
Year of Entry: 2012

|    | Level 4<br>Cover Type                         | Size<br>Density         | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
|----|---|-------------------------|-------|--------------|-------------|---|
| 21 | 4130 - Aspen                                  | Medium<br>Density Pole  | 18.3  | 17           |             | Aspen didn't come in very strong  |
| 22 | 42220 - Natural Jack<br>Pine                  | High Density<br>Pole    | 26.2  | 32           |             | FTP says it was aerial seeded to jack pine in 1978 with a larger area in contiguous compartments. Map looks like it was from a fire   |
| 24 | 4131 - Aspen, Oak                             | High Density<br>Pole    | 23.1  | 45           |             | Two ages of aspen present. Older age class is hollow and beginning to fall apart. Scattered oak and pine.   |
| 25 | 4311 - Pine, Aspen Mix                        | High Density<br>Sapling | 60.3  | 6            |             | Canopy is dominated by deciduous spp for now, but jack pine will catch up.  |
| 26 | 4130 - Aspen                                  | High Density<br>Sapling | 30.0  | 17           |             |   |
| 27 | 6119 - Mixed Lowland<br>Deciduous Forest      | Low Density<br>Log      | 17.6  | Uneven Age   |             | Lots of windthrow and beaver activity with heavy alder understory and some aspen regen.   |
| 29 | 42290 - Natural Mixed<br>Pine                 | High Density<br>Log     | 28.5  | 120          | 111-140     | On the transition from jack pine to the northeast to white pine/aspen to the southwest. Lots of structural complexity and heavy white pine understory. Several age classes present in the canopy. Age classes include 120, 85, 65, 45. Average ages and dbh by spp. is somewhat misleading. |
| 30 | 42121 - Planted Jack<br>Pine, Mixed Deciduous | High Density<br>Sapling | 66.3  | 17           |             |   |
| 31 | 4311 - Pine, Aspen Mix                        | High Density<br>Log     | 18.1  | 65           |             | Mix of red pine log trees and aspen pole trees. Various ages of red pine in the canopy some of which are the original monarchs. Heavier balsam fir to the south.  |
| 32 | 4130 - Aspen                                  | Medium<br>Density Pole  | 15.7  | 40           |             | Has some lowland inclusions including a 100 ft wide alder drain   |
| 33 | 42290 - Natural Mixed<br>Pine                 | High Density<br>Pole    | 53.5  | 45           | 81-110      | Records indicate planting of red pine and jack pine in 1928. Likely some various disturbances since then. Has multiple age classes of red pine and white pine and some original monarchs present. Dominated by poles and small logs in several locations with heavy white pine understory.  |
| 34 | 4130 - Aspen                                  | High Density<br>Pole    | 12.3  | 40           |             | Has some overmature aspen mixed in, especially in the wettest areas, but overall it is the younger pole sized stems. The is a culvert of Possum Trail in this stand.  |
| 36 | 4133 - Aspen, Mixed<br>Pine                   | High Density<br>Pole    | 40.5  | 40           |             | Stand extends into the compartment to the west. The north-central portion is heavier to oak and pine. There is some heavy beaver activity in the arm to the southeast. The oak is falling apart in places.  |
| 37 | 6122 - Black Spruce                           | Medium<br>Density Pole  | 19.7  | 85           |             | Looks like it has some big white pine in the arm to the east. Didn't get to that part of the stand on the ground, but notice it on the DOQQ now.  |

| S<br>t<br>a<br>n<br>d | Roscommon Mgt. Unit                       |                         | 5 – Forested Stands |              |             | Compartment: 141  |
|-----------------------|---|-------------------------|---------------------|--------------|-------------|---|
|                       | Level 4<br>Cover Type                     | Size<br>Density         | Acres               | Stand<br>Age | BA<br>Range | Year of Entry: 2012   |
|                       |   |                         |                     |              |             | General<br>Comments:  |
| 38                    | 4310 - Pine, Oak Mix                      | High Density<br>Log     | 17.0                | 85           | 81-110      | Some small oak poles present along the road. White pine and other spp. in two age classes - 85/45   |
| 40                    | 6120 - Lowland Cedar                      | High Density<br>Log     | 11.0                | 125          |             | Mostly lowland, but transitions to upland to the north.   |
| 41                    | 4310 - Pine, Oak Mix                      | High Density<br>Log     | 39.6                | 85           |             | Multiple age classes in the canopy...120, 85, 40. Some incredible quality white pine and red pine along the wetland edge. Substantial component of pole sized white pine in the transition toward the north and east  |
| 44                    | 4133 - Aspen, Mixed<br>Pine               | Medium<br>Density       | 6.8                 | 17           |             | Upland knob that was done part commercial and part by habitat cut. Old access road has red pine regen scattered through it.   |
| 46                    | 6121 - Tamarack                           | Medium<br>Density Pole  | 9.0                 | 65           |             |   |
| 47                    | 42290 - Natural Mixed<br>Pine             | High Density<br>Log     | 9.7                 | 75           | 111-140     | Upland/lowland transition with pockets of lowland inclusions throughout. Scattered supercanopy of original monarchs.  |
| 48                    | 42290 - Natural Mixed<br>Pine             | High Density<br>Log     | 49.6                | 125          | 141-170     | Natural two-aged pine stand with fire scars on monarchs. Most aspen is hollow. Red pine dominated in central and southeast portion and white pine dominated to the northwest. Some small areas don't have the 63 yr old (7") component and are dominated by 125 yr old (18") white pine, but most of it is two-aged with about 10 sq. ft monarchs. Average dbh is misleading. Very diverse stand and would suggest an SCA nomination if the BSA stuff doesn't go through. |
| 49                    | 4133 - Aspen, Mixed<br>Pine               | High Density<br>Pole    | 54.0                | 29           |             |   |
| 50                    | 4130 - Aspen                              | High Density<br>Pole    | 10.2                | 17           |             |   |
| 51                    | 429 - Mixed Upland<br>Conifers            | High Density<br>Log     | 14.5                | 75           | 81-110      | Multiple ages in the canopy. 75, 125, 45. On the transtion toward lowland.  |
| 52                    | 4130 - Aspen                              | High Density<br>Sapling | 6.0                 | 17           |             | Small openings with red maple and some oak  |
| 53                    | 6132 - Mixed Lowland<br>Forest with Cedar | Medium<br>Density Pole  | 78.3                | 125          |             |   |
| 55                    | 4133 - Aspen, Mixed<br>Pine               | High Density<br>Pole    | 15.2                | 29           |             | Old logging roads present, but access is poor due to low area between here and main roads.  |
| 56                    | 4130 - Aspen                              | High Density<br>Sapling | 22.5                | 7            |             |   |
| 58                    | 6115 - Lowland Ash                        | Low Density<br>Pole     | 23.2                | 125          |             |   |





| Stand | Cover Type                       | Acres | Gen Cmts:   |
|-------|----------------------------------|-------|---|
| 3     | 629 - Mixed non-forested wetland | 9.3   |   |
| 6     | 629 - Mixed non-forested wetland | 8.6   |   |
| 13    | 6220 - Alder/willow              | 7.9   | Scattered dead cedar with thick alder.              |
| 16    | 629 - Mixed non-forested wetland | 2.0   |   |
| 17    | 629 - Mixed non-forested wetland | 6.4   |   |
| 23    | 6220 - Alder/willow              | 24.5  | Has some scattered dead and dying ash.              |
| 28    | 629 - Mixed non-forested wetland | 14.8  |   |
| 35    | 629 - Mixed non-forested wetland | 9.2   | wet meadow to the south and alder to the northeast. |
| 39    | 6230 - Cattail                   | 3.3   |   |
| 42    | 622 - Lowland Shrub              | 5.5   |   |
| 43    | 6233 - Wet Meadow                | 8.5   |   |
| 45    | 6233 - Wet Meadow                | 6.2   |   |
| 54    | 629 - Mixed non-forested wetland | 8.1   |   |
| 57    | 629 - Mixed non-forested wetland | 6.8   |   |



**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.

*Data updated before 10:00 AM*

| <b>Stand</b> | <b>SCA Type</b> | <b>SCA Name</b> | <b>Acres</b> | <b>Comments</b> |
|--------------|-----------------|-----------------|--------------|-----------------|
|--------------|-----------------|-----------------|--------------|-----------------|



**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.

*Data updated before 10:00 AM*

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. |