



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #64**

**ENTRY YEAR: 2012**

**Compartment Acreage: 880**

**County: Roscommon**

**Revision Date:** 6-2-2010

**Stand Examiner:** Jason Lewicki

**Legal Description:** T23N R03W sections 1, 2 and 3.

**Management area:** Upper Muskegon

**Management Goals:** To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

**Soil and Topography:** Rolling Hills and adjacent flat areas.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State land is intermixed with private ownership.

**Unique, Natural Features:** High components of White birch along Lansing road make it unique to the areas and unit.

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

**Special Management Designations or Considerations:** There is a stretch along Lansing Road that is nominated as a potential old growth area (SCA) to be included in the Lansing road scenic corridor.

**Watershed and Fisheries Considerations:** Cut river flows through this compartment.

**Wildlife Habitat Considerations:** Provide and maintain habitat for a variety of game and non game species.

**Mineral Resource and Development Concerns and/or Restrictions:** Sections 1 - 3, T23N R3W, Roscommon County

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in the State. Most of the nearby gravel pits are associated with upland areas. Several gravel pits are located in Section 3. Gravel potential is thought to be good in the upland areas. St. Helen Field lies seven miles to the northeast. The field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. None of the State land is currently leased in the compartment.

**Vehicle Access:** Vehicle access is fair with the exception of no public access into the west ½ of section 2.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** Hunting, fishing, canoeing.

**Fire Protection:** Much of the compartment is hardwood and lowland cover types. Large wildfire concerns are minimal.

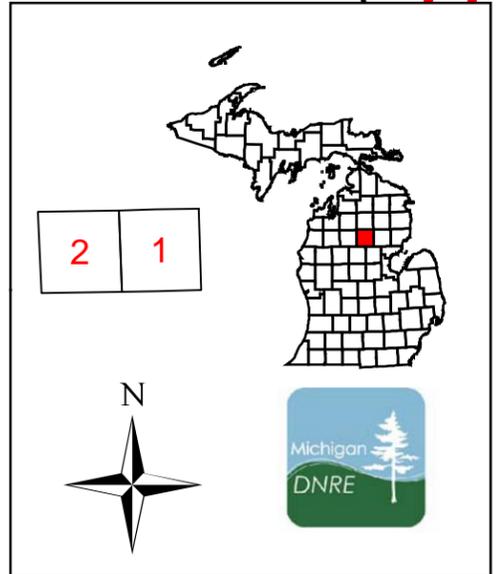
**Additional Compartment Information:**

- **The following 5 reports from the Inventory 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**

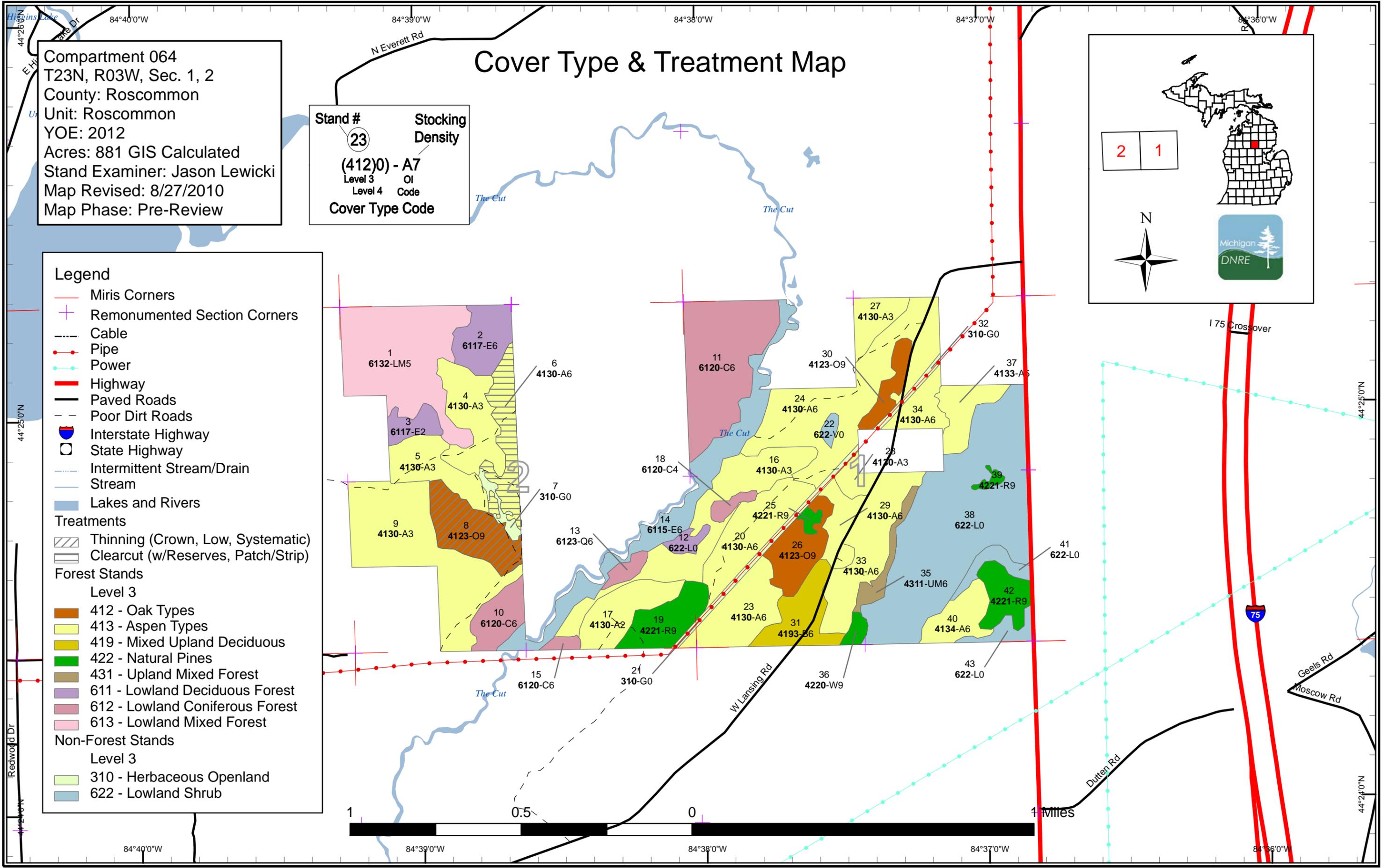
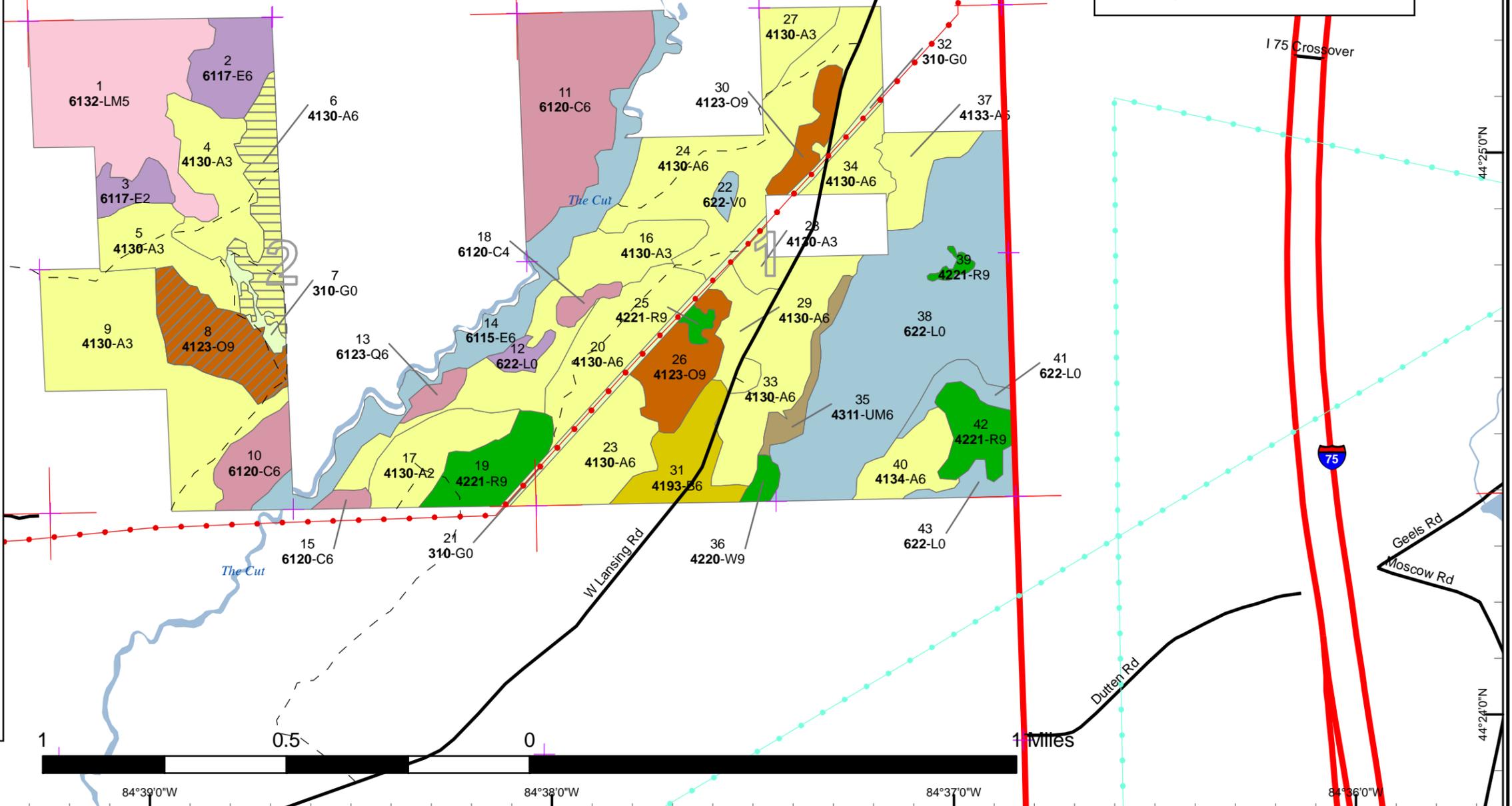
# Cover Type & Treatment Map

Compartment 064  
 T23N, R03W, Sec. 1, 2  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2012  
 Acres: 881 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 8/27/2010  
 Map Phase: Pre-Review

**Stand #**  
 23  
**Stocking Density**  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - Cable
  - Pipe
  - Power
  - Highway
  - Paved Roads
  - Poor Dirt Roads
  - Interstate Highway
  - State Highway
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
- Treatments**
- ▨ Thinning (Crown, Low, Systematic)
  - ▨ Clearcut (w/Reserves, Patch/Strip)
- Forest Stands**
- Level 3
- 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 422 - Natural Pines
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 310 - Herbaceous Openland
  - 622 - Lowland Shrub



# Stand Boundary Map

Compartment 064  
 T23N, R03W, Sec. 1, 2  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2012  
 Acres: 881 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 8/27/2010  
 Map Phase: Pre-Review

**Stand #**  
 23  
**Stocking Density**  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

**Legend**

- Miris Corners
- + Remonumented Section Corners
- Cable
- Pipe
- Power
- Highway
- Paved Roads
- Poor Dirt Roads
- Interstate Highway
- State Highway
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

**Forest Stands**

**Level 3**

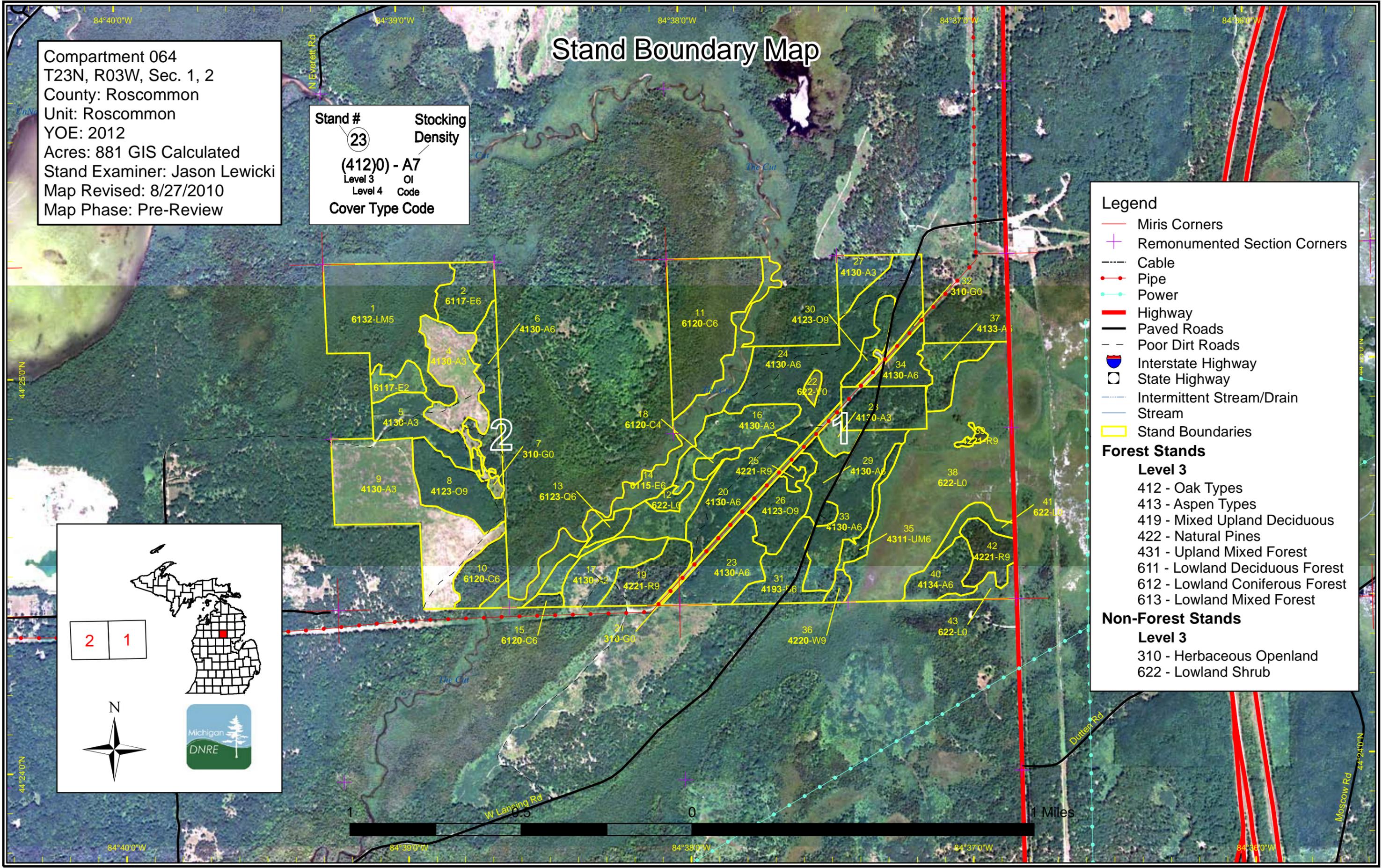
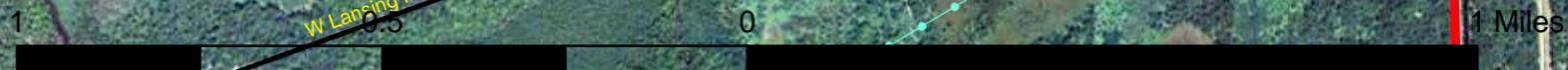
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

**Level 3**

- 310 - Herbaceous Openland
- 622 - Lowland Shrub

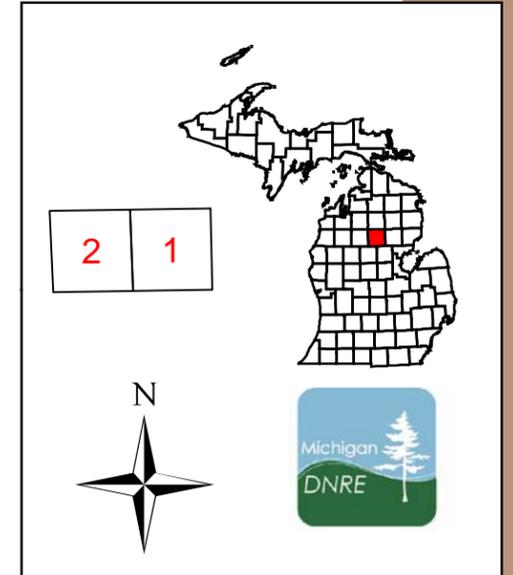
Michigan  
DNRE



Compartment 064  
 T23N, R03W, Sec. 1, 2  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2012  
 Acres: 881 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 8/27/2010  
 Map Phase: Pre-Review

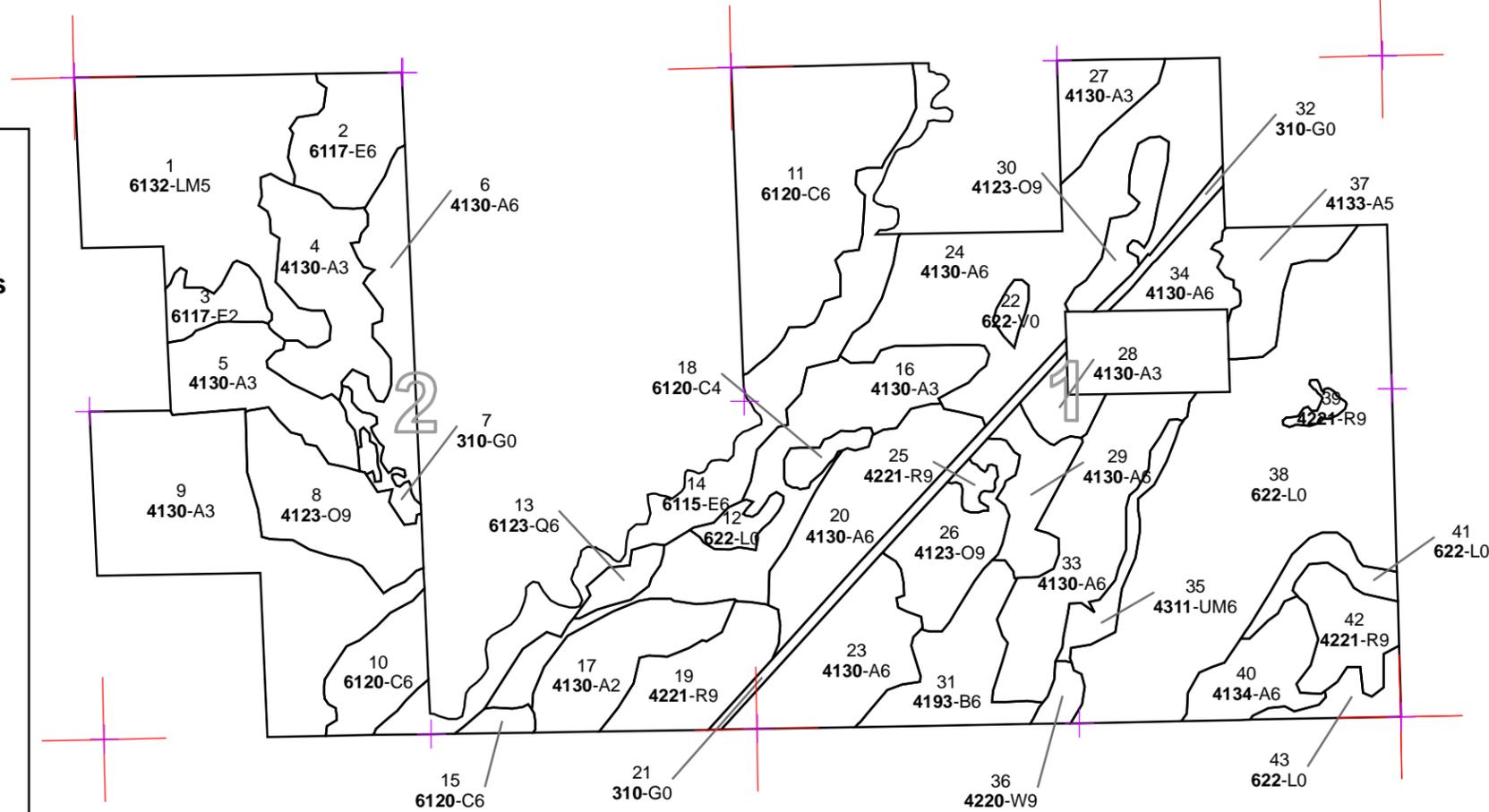
# Dedicated & Proposed Special Conservation Area Map

Stand #  
 23  
 Stocking Density  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code



**Legend**

- Miris Corners
- Remonumented Section Corners
- Proposed Special Conservation Areas**
  - SCA - Special Conservation Area
  - SCA Removal
- Wildlife Management Areas**
  - Wildlife Management Areas
  - Natural Rivers Zoning District
  - Natural Rivers Vegetative Buffer
- Stand Boundaries
- Forest Stands**
  - Level 3**
    - 412 - Oak Types
    - 413 - Aspen Types
    - 419 - Mixed Upland Deciduous
    - 422 - Natural Pines
    - 431 - Upland Mixed Forest
    - 611 - Lowland Deciduous Forest
    - 612 - Lowland Coniferous Forest
    - 613 - Lowland Mixed Forest
- Non-Forest Stands**
  - Level 3**
    - 310 - Herbaceous Openland
    - 622 - Lowland Shrub



84°40'0"W      84°39'0"W      84°38'0"W      84°37'0"W      84°36'0"W

44°25'0"N

44°25'0"N

44°24'0"N

44°24'0"N

84°40'0"W      84°39'0"W      84°38'0"W      84°37'0"W      84°36'0"W

**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            | 96        | 77        | 191        | 14        | 0        | 0        | 32        | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 410        |
| Bog                  | 2            | 0         | 0         | 0          | 0         | 0        | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 2          |
| Cedar                | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 2         | 4         | 0         | 0         | 68        | 0        | 0        | 0        | 74         |
| Herbaceous Openland  | 14           | 0         | 0         | 0          | 0         | 0        | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 14         |
| Lowland Conifers     | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 4         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 4          |
| Lowland Deciduous    | 0            | 0         | 7         | 0          | 0         | 4        | 0        | 18        | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 29         |
| Lowland Mixed Forest | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 0         | 63        | 0         | 0         | 0         | 0        | 0        | 0        | 63         |
| Lowland Shrub        | 169          | 0         | 0         | 0          | 0         | 0        | 0        | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 169        |
| Oak                  | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 0         | 0         | 9         | 25        | 18        | 0        | 0        | 0        | 51         |
| Paper Birch          | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 20        | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 20         |
| Red Pine             | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 0         | 2         | 31        | 0         | 2         | 0        | 0        | 0        | 35         |
| Upland Mixed Forest  | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 7         | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 7          |
| White Pine           | 0            | 0         | 0         | 0          | 0         | 0        | 0        | 0         | 0         | 0         | 0         | 3         | 0        | 0        | 0        | 3          |
| <b>Total</b>         | <b>185</b>   | <b>96</b> | <b>84</b> | <b>191</b> | <b>14</b> | <b>4</b> | <b>0</b> | <b>83</b> | <b>68</b> | <b>40</b> | <b>25</b> | <b>91</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>881</b> |



## Table 2 – Proposed Treatment Summaries

Data updated before 10:00 AM

Roscommon Mgt. Unit  
Year of Entry 2012

Compartment 064  
Total Compartment Acres: 880.8

### Acres by Treatment Type

|                         |                         |                   |                     |           |
|-------------------------|-------------------------|-------------------|---------------------|-----------|
| Commercial Harvest - 45 | 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        | 20        | 0         | 0         | 0           | 0         | 0               | 20          |
| Oak          | 0         | 0         | 0         | 0           | 25        | 0               | 25          |
| <b>Total</b> | <b>20</b> | <b>0</b>  | <b>0</b>  | <b>0</b>    | <b>25</b> | <b>0</b>        | <b>45</b>   |

**Table 3 -- Treatments Prescribed  
with No Limiting Factor**



S  
t  
a  
n  
d

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

#Error

Prescription  
Specs:

Other  
Comments:

Next  
Steps:

---

**Total Treatment  
Acreage Proposed: 0**



S  
t  
a  
n  
d

| Treatment Name | Acres | Stage1 CoverType | Size Density      | Stand Age | Treatment Type | Treatment Method       | Cover Type Objective | Approval Status       |
|----------------|-------|------------------|-------------------|-----------|----------------|------------------------|----------------------|-----------------------|
| 6 71064006-Cut | 20.0  | 4130 - Aspen     | High Density Pole | 68        | Harvest        | Clearcut with Reserves | Aspen                | Cmpt. Review Proposal |

Prescription Final harvest and regenerate aspen. Save a few healthy large crowned oaks.

Specs:

Other

Comment:

Next

Steps:

Limiting Factor and No Treatment Reason 2A: Adjacent landowner denies access

|                |      |                |                  |    |         |                |         |                       |
|----------------|------|----------------|------------------|----|---------|----------------|---------|-----------------------|
| 8 71064008-Cut | 24.7 | 4123 - Red Oak | High Density Log | 95 | Harvest | Crown Thinning | Red Oak | Cmpt. Review Proposal |
|----------------|------|----------------|------------------|----|---------|----------------|---------|-----------------------|

Prescription Thin from below, removing cull, high risk and suppressed oaks and red maple. Harvest all aspen in stand.

Specs:

Other

Comment:

Next

Steps:

Limiting Factor and No Treatment Reason 2A: Adjacent landowner denies access

**Total Treatment  
Acreage Proposed: 44.7**

Data updated before 10:00 AM

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

Year of Entry: 2012



---

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

---

Prescription  
Specs:

Other  
Comments:

Next  
Steps:

---

**Total Treatment  
Acreage Proposed: 0**

| Stand | Roscommon Mgt. Unit                        |                      | 5 – Forested Stands |           |          | Compartment: 064  |
|-------|--|----------------------|---------------------|-----------|----------|---|
|       | Level 4 Cover Type                         | Size Density         | Acres               | Stand Age | BA Range | Year of Entry: 2012   |
|       |  |                      |                     |           |          | General Comments:   |
| 1     | 6132 - Mixed Lowland Forest with Cedar     | Medium Density Pole  | 62.9                | 78        | 51-80    | Stand fades to tag alder and black ash swamp to the NE  |
| 2     | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole    | 17.7                | 65        | 51-80    |   |
| 3     | 6117 - Lowland Deciduous, Mixed Coniferous | Medium Density       | 7.4                 | 17        |          | High water table  |
| 4     | 4130 - Aspen                               | High Density Sapling | 25.5                | 5         |          |   |
| 5     | 4130 - Aspen                               | High Density Sapling | 19.7                | 17        |          | Will soon be transitioning to pole timber stand.  |
| 6     | 4130 - Aspen                               | High Density Pole    | 20.0                | 68        | 51-80    | Quaking aspen stand with hypoxylon mixed with red maple and balsam fir. A small knob of heavier oak component in middle of stand. Final harvest leaving oak and balsam fir.   |
| 8     | 4123 - Red Oak                             | High Density Log     | 24.7                | 95        | 111-140  | Nice stand of red oak mixed with maple and aspen on a ridge that overlooks Higgins Lake. A few beech present in understory especially on higher/better sites. Access issues due to this area being landlocked by private property. Thin stand by removing all aspen and poor formed/suppressed oak and maple.                                 |
| 9     | 4130 - Aspen                               | High Density Sapling | 65.1                | 5         |          | Aspen/red maple stand with a few scattered red oak stump sprouts. Stand/cut is part of a ridge that can be seen from Higgins Lake and Pioneer Hill. Stand was comprised of primarily high quality red oak before harvest especially along higher ridge tops. Oak responded better on lower quality site at the bottom of the ridge to the SE. |
| 10    | 6120 - Lowland Cedar                       | High Density Pole    | 13.7                | 100       | 141-170  | Mostly a cedar stand with a mix of all other lowland species. Some white pine and hemlock also present.   |
| 11    | 6120 - Lowland Cedar                       | High Density Pole    | 54.2                | 100       |          |   |
| 13    | 6123 - Lowland Fir                         | High Density Pole    | 4.2                 | 68        | 51-80    | Small stand down along the cut river.   |
| 14    | 6115 - Lowland Ash                         | High Density Pole    | 3.8                 | 48        | 51-80    | Black ash/cedar stand. No EAB detected at this time.  |
| 15    | 6120 - Lowland Cedar                       | High Density Pole    | 2.4                 | 68        | 111-140  | Cedar/maple/fir stand along cut river. Deer use stand heavily especially along edges with aspen stand.  |
| 16    | 4130 - Aspen                               | High Density Sapling | 39.9                | 23        |          | Higher water table aspen stand mixed with balsam fir, tag alder and a few white pine.   |
| 17    | 4130 - Aspen                               | Medium Density       | 20.4                | 17        | 1-50     | Quaking aspen stand with some scattered small openings. Some balsam fir in understory.  |





| Stand | Level 4 Cover Type       | Size Density         | Acres | Stand Age | BA Range | General Comments:  |
|-------|--------------------------|----------------------|-------|-----------|----------|--|
| 18    | 6120 - Lowland Cedar     | Low Density Pole     | 3.5   | 70        | 51-80    |  |
| 19    | 42210 - Natural Red Pine | High Density Log     | 18.0  | 85        | 111-140  | Natural red pine stand. Part of stand was thinned at some prior entry. There is a low wet swale in the middle of the stand dominated by black spruce.  |
| 20    | 4130 - Aspen             | High Density Pole    | 28.8  | 23        | 1-50     | Mixed aspen stand. Some scattered red pine in understory.  |
| 23    | 4130 - Aspen             | High Density Pole    | 25.6  | 17        | 1-50     | Mixed aspen stand with some white pine, red maple and a few balsam fir and beech. Most beech is found on higher elevations.  |
| 24    | 4130 - Aspen             | High Density Pole    | 63.5  | 23        | 81-110   | Mixed aspen stand with white pine found scattered and in clumps. Especially in NW corner along private property.   |
| 25    | 42210 - Natural Red Pine | High Density Log     | 2.1   | 100       | 111-140  | Natural red pine stand. Coring indicates that the mature pine are from around 1910 year of origin. Stand lies within the lansing road scenic coridor and is proposed as an SCA.  |
| 26    | 4123 - Red Oak           | High Density Log     | 17.7  | 100       | 81-110   | Nice red oak stand mixed with red maple, bigtooth aspen and birch. Heavy advanced understory of whitepine. Some scattered beech. Area is used heavily by deer hunters. Stand lies within Lansing road scenic corridor. SCA |
| 27    | 4130 - Aspen             | High Density Sapling | 10.9  | 17        |          |  |
| 28    | 4130 - Aspen             | High Density Sapling | 5.7   | 6         |          | Mixed aspen stand but mostly bigtooth. Scattered white pine left from from old stand.  |
| 29    | 4130 - Aspen             | High Density Pole    | 11.7  | 65        | 51-80    | Aspen birch stand along the lansing road scenic corridor. Proposed as an SCA.  |
| 30    | 4123 - Red Oak           | High Density Log     | 9.0   | 80        | 51-80    | Small stand of red oak mixed with red maple. Good advanced white pine in understory.   |
| 31    | 4193 - Birch, Aspen      | High Density Pole    | 19.9  | 65        | 51-80    | White birch stand mixed with oak aspen and red maple. Good understory of red maple and white pine. Lansing road runs along it's east border and lies within the lansing road scenic coridor and is proposed as an SCA.     |
| 33    | 4130 - Aspen             | High Density Pole    | 33.7  | 23        | 1-50     | Most stems just entering poletimber size.  |
| 34    | 4130 - Aspen             | High Density Pole    | 11.0  | 23        | 1-50     |  |
| 35    | 4311 - Pine, Aspen Mix   | High Density Pole    | 7.1   | 65        | 81-110   | Thin strip along swamp edge.   |

S  
t  
a  
n  
d

Roscommon Mgt. Unit

## 5 – Forested Stands

Compartment: 064

Data updated before 10:00 AM

Year of Entry: 2012



|           | Level 4<br>Cover Type         | Size<br>Density        | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
|-----------|-------------------------------|------------------------|-------|--------------|-------------|---|
| <b>36</b> | 42200 - Natural White<br>Pine | High Density<br>Log    | 3.0   | 100          | 81-110      | Red and white pine stand that was thinned at some prior entry(1987?). Excellent advanced white pine along with aspen and red maple. |
| <b>37</b> | 4133 - Aspen, Mixed<br>Pine   | Medium<br>Density Pole | 13.8  | 23           | 1-50        | Low density, open grown mix of aspen pine and cherry. Small 1 acre stand of mature red pine along tag alder swamp edge to east.     |
| <b>39</b> | 42210 - Natural Red<br>Pine   | High Density<br>Log    | 1.7   | 76           | 141-170     | Island of natural red pine within the "Long Crossway Swamp".  |
| <b>40</b> | 4134 - Aspen,<br>Spruce/Fir   | High Density<br>Pole   | 14.4  | 31           | 51-80       | Mixed stand of aspen white pine and balsam fir. Some exterior edges have a tag alder understory where it meets lowland areas.       |
| <b>42</b> | 42210 - Natural Red<br>Pine   | High Density<br>Log    | 13.3  | 86           | 141-170     |   |



| Stand | Cover Type                | Acres | Gen Cmts: |
|-------|---------------------------|-------|-----------|
| 7     | 3102 - Grass              | 3.5   |           |
| 12    | 622 - Lowland Shrub       | 42.1  |           |
| 21    | 310 - Herbaceous Openland | 7.5   |           |
| 22    | 6225 - Bog                | 2.1   |           |
| 32    | 310 - Herbaceous Openland | 2.8   |           |
| 38    | 622 - Lowland Shrub       | 114.1 |           |
| 41    | 622 - Lowland Shrub       | 6.7   |           |
| 43    | 622 - Lowland Shrub       | 5.9   |           |



**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*

| 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.

*Data updated before 10:00 AM*

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

| Conservation Area | Type | Description |
|-------------------|------|-------------|
|-------------------|------|-------------|