



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 97    ENTRY YEAR: 2014**

**Compartment Acreage: 1580    County: Roscommon**

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**Revision Date:** 07-26-2012

**Stand Examiner:** Ben Wiese

**Legal Description:** T22N R01W sections 3, 10, and 15

**Management Area:** Ogemaw Hills

**Management Goals:** Provide for sustainable ecosystem based management including forest products, wildlife and recreation. Maintain healthy and diverse forested stands. There are several treatments proposed. Trench 51 acres and plant red pine in the openings in the south half of the stand only and monitor the effects the trenching has on oak regeneration. Thin four acres of red pine. Thin 36 acres of oak and pine using a light shelterwood to regenerate oak and pine.

**Soil and Topography:** Surface upland soils include Croswell, Graycalm, Grayling, Kellogg and Perecheney sand. Lowlands are Wakeley and Tawas muck. Topography is large rolling and steep hills to south, relatively flat in the north.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is bordered by state owned and private land.

**Unique, Natural Features:** Eastern massasauga observed in 1994. Possibility of Hill's thistle.

**Archeological, Historical, and Cultural Features:** Potential for prehistoric sites ranges from none to very high .

**Special Management Designations or Considerations:** None noted.

**Watershed and Fisheries Considerations:** None noted.

**Wildlife Habitat Considerations:** Deer, grouse, turkey, bear, birds.

**Mineral Resource and Development Concerns and/or Restrictions:**

**Vehicle Access:** There is good access throughout the compartment utilizing county roads, various forest roads and logging trails.

**Survey Needs:** None at this time

**Recreational Facilities and Opportunities:** Opportunities include hunting, dispersed camping, snowmobiling and ORV operating on designated ORV and snowmobile trails.

**Fire Protection:** Cover types are mostly mixed upland types. Wildfire risk ranges from low to high.

**Additional Compartment Information:**

- **The following 5 reports from the Inventory System:**
  - ◆ **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**

Compartment: 097  
 T22N R01W Sec. 3, 10, 15  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2014  
 Acres: 1,580 GIS Calculated  
 Examiner: Ben Wiese  
 Map Revised: 08/10/2012  
 Map Phase: Pre-Review

# Cover Type & Treatment Map

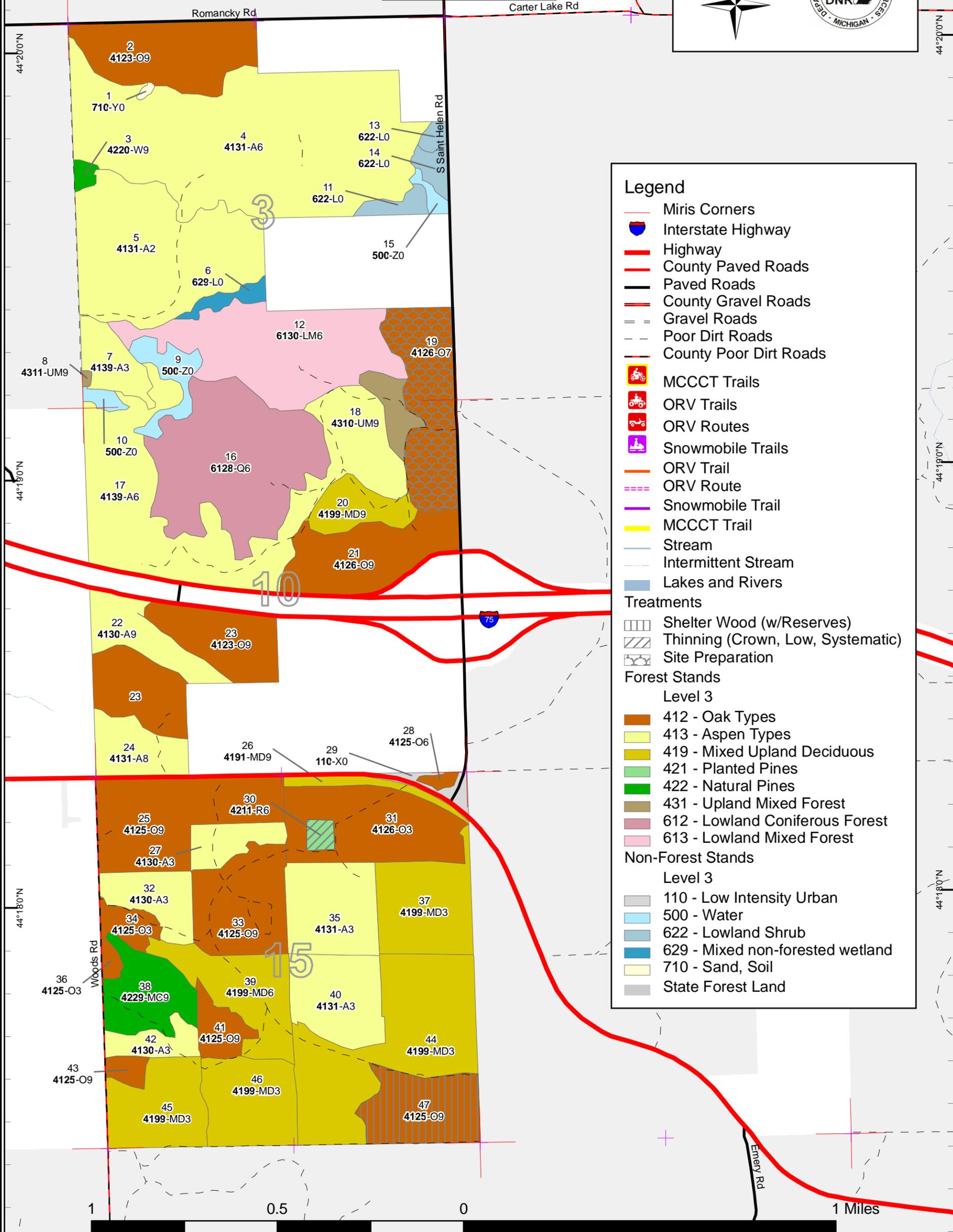
Stand #  
**23**  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

3  
 10  
 15



## Legend

- Miris Corners
- Interstate Highway
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- ORV Trail
- ORV Route
- Snowmobile Trail
- MCCCT Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- Treatments**
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Site Preparation
- Forest Stands**
- Level 3**
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 110 - Low Intensity Urban
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- 710 - Sand, Soil
- State Forest Land



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# Stand Boundary Map

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

3  
 10  
 15



## Legend

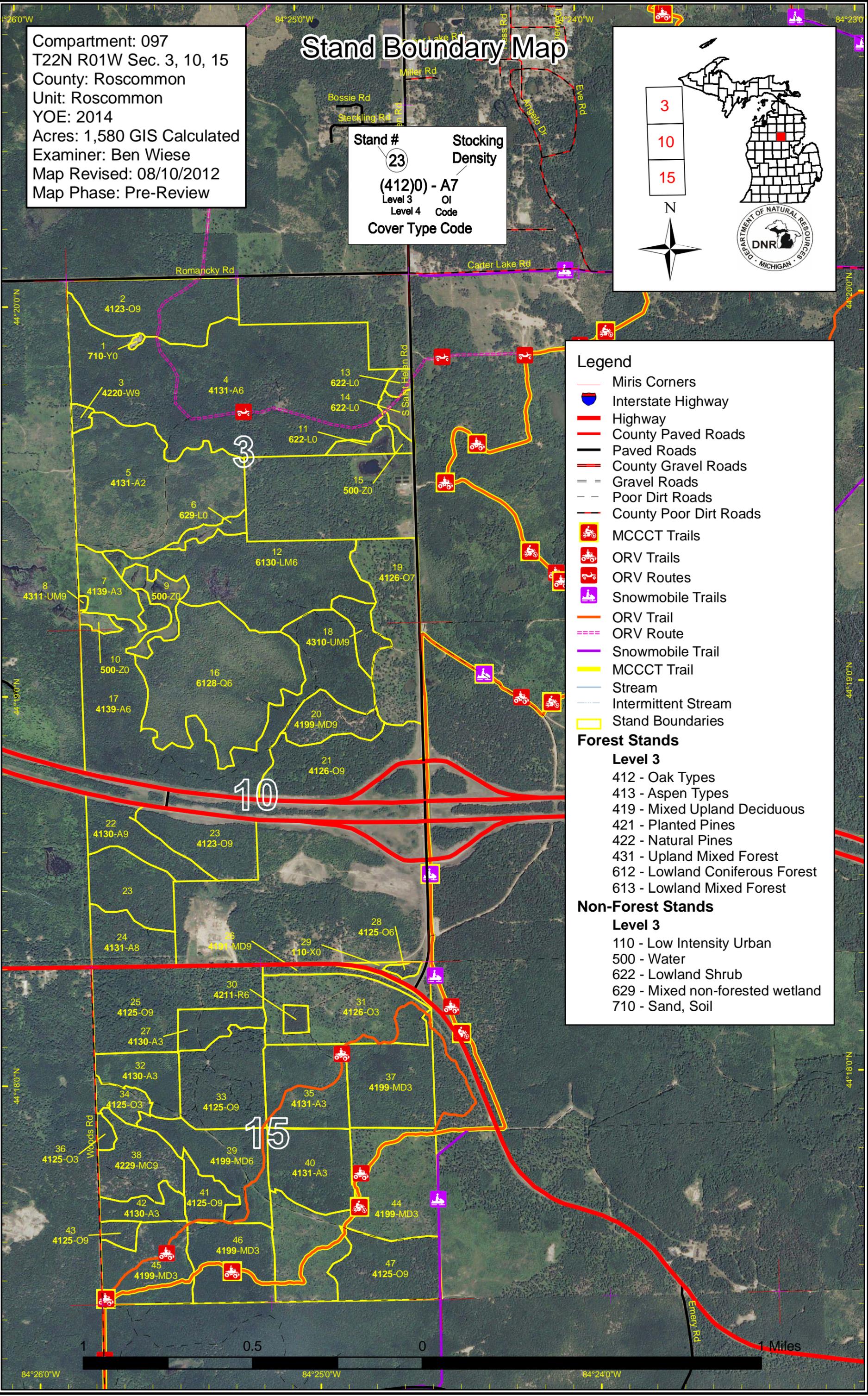
- Miris Corners
- Interstate Highway
- Highway
- County Paved Roads
- Paved Roads
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- County Poor Dirt Roads
- MCCCT Trails
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- ORV Route
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- MCCCT Trail
- Stream
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- Stand Boundaries

## Forest Stands

- Level 3**
- 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
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## Non-Forest Stands

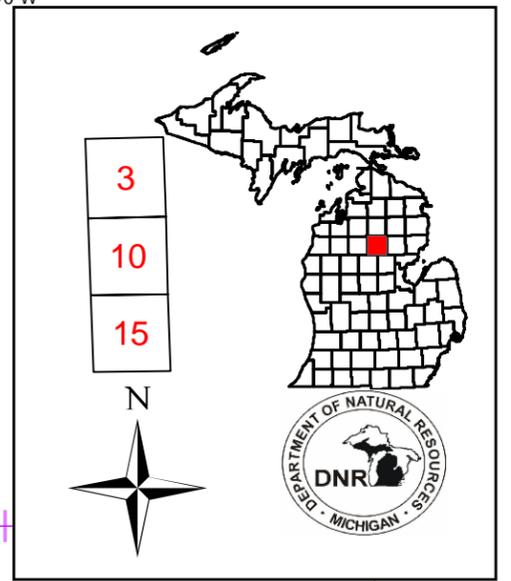
- Level 3**
- 110 - Low Intensity Urban
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# Dedicated & Proposed Special Conservation Area Map

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



44°20'0"N

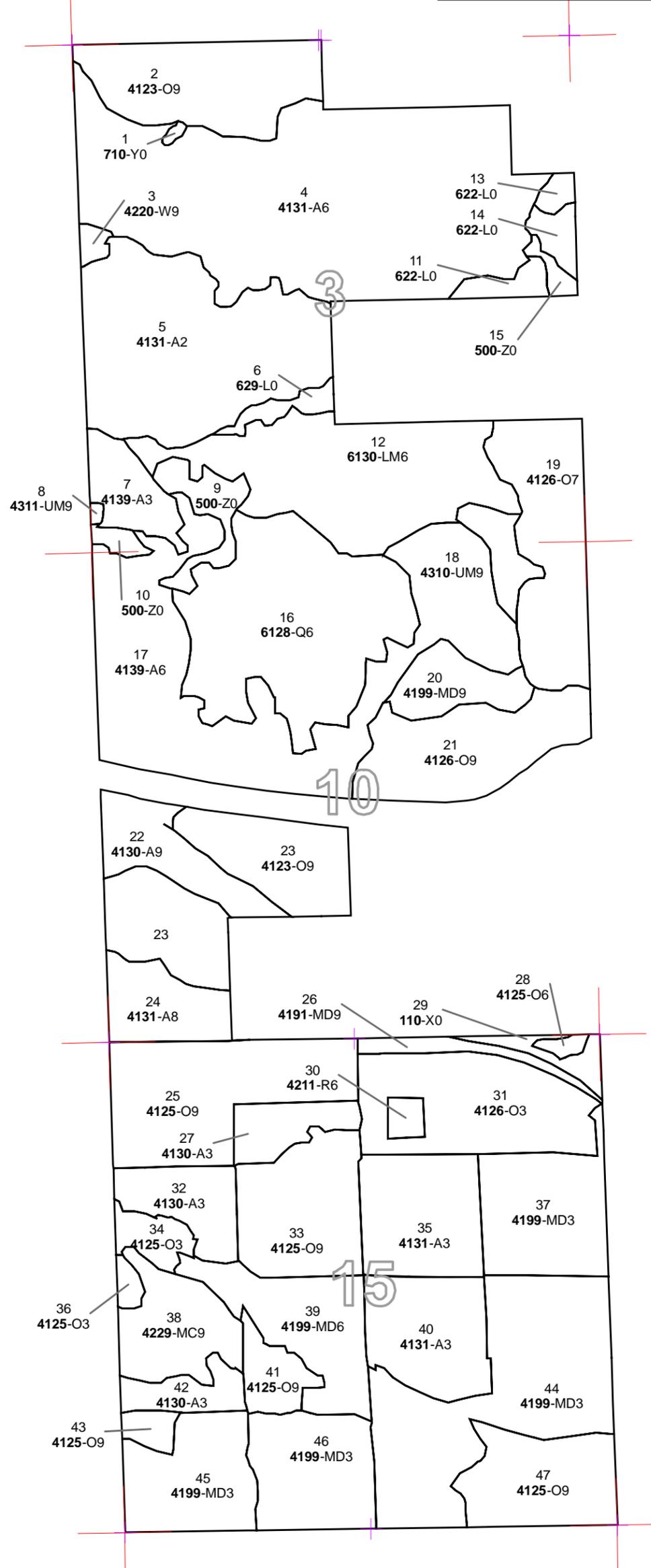
44°20'0"N

44°19'0"N

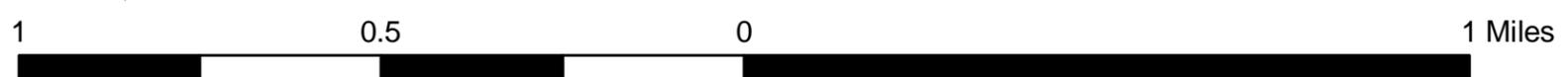
44°19'0"N

44°18'0"N

44°18'0"N



- Legend**
- Miris Corners
  - Stand Boundaries
  - Forest Stands**
  - Level 3
    - 412 - Oak Types
    - 413 - Aspen Types
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84°26'0"W

84°25'0"W

84°24'0"W

**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 +	Uneren Age	
Aspen	17	172	48	0	369	0	0	0	0	0	0	0	0	0	607
Lowland Conifers	0	0	0	0	0	96	0	0	0	0	0	0	0	0	96
Lowland Mixed Forest	0	0	0	0	81	0	0	0	0	0	0	0	0	0	81
Lowland Shrub	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	89	74	79	0	0	0	0	8	18	0	0	0	0	0	267
Natural Mixed Pines	0	0	0	0	0	0	29	0	0	0	0	0	0	0	29
Oak	54	9	3	0	0	0	0	138	130	49	0	51	0	434	
Red Pine	0	0	0	0	4	0	0	0	0	0	0	0	0	4	
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Upland Mixed Forest	0	0	0	0	0	0	11	0	0	0	0	0	0	11	
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	7	
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	19	
White Pine	0	0	0	0	3	0	0	0	0	0	0	0	0	3	
<b>Total</b>	<b>208</b>	<b>255</b>	<b>130</b>	<b>0</b>	<b>457</b>	<b>96</b>	<b>40</b>	<b>0</b>	<b>146</b>	<b>148</b>	<b>49</b>	<b>0</b>	<b>51</b>	<b>0</b>	<b>1580</b>



## Table 2 – Proposed Treatment Summaries

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

**Compartment 097**  
**Total Compartment Acres: 1580**

### Acres by Treatment Type

Commercial Harvest - 40	Site Prep - 51	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>Oak</b>	0	0	0	36	0	0	36
<b>Red Pine</b>	0	0	0	0	4	0	4
<b>Total</b>	0	0	0	36	4	0	40



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
30	71097030-Cut	3.8	42110 - Planted Red Pine	High Density Pole	49	200+	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Third row thin, mark to cut in between rows.

Specs:

Other Document the level of regen in the understory for fute reference.

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2013

47	71097047-Cut	36.1	4125 - Black, N. Pin Oak	High Density Log	86	81-110	Harvest	Shelterwood	4125 - Black, N. Pin Oak	Cmpt. Review Proposal
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Prescription Light shelterwood harvest to try to regenerate pine and oak. Leave the best formed healthiest oak and most of the red pine. Mark red maple as needed to limit the seed source. Protect the established red and white pine regen. Scarify, maybe with a small tractor and a disc harrow or the equivalent.

Other Try to limit red maple regeneration so there is less competition with the oak and pine. Oak wilt spec needed. Recreation prefers a non-winter harvest to limit impact on the snowmobile trail. This may be impractical. In areas where the harvest impacts the trail either cut the stumps low or leave them high. Snowmobile trail protection spec needed.

Next

Steps:

Proposed

Start Date: 10/01/2013

19	71097019- Prep	51.1	4126 - White, Black, N. Pin Oak	Low Density Log	124	1-50	Site Prep	Trenching	4126 - White, Black, N. Pin Oak	Cmpt. Review Proposal
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Prescription Trench the entire stand. Plant red pine south of the access road where regeneration is inadequate.

Specs:

Other

Comments:

Next Plant red pine.

Steps:

Proposed

Start Date: Unspecified

**Total Treatment  
Acreage Proposed: 90.9**

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

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment**  
**Acres Proposed: 0**

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2014



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: #Error

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**Total Treatment  
Acreage Proposed: 0**



Stand	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 097 Year of Entry: 2014
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4123 - Red Oak	High Density Log	49.2	106	81-110	Red oak stand that looks to be from fire origin, based on the age and the presence of fire scarred white pine stumps. The stand is two aged, with red oak making up 80 % of the canopy. The other cohort is aspen, maple and some oak that regenerated when those species were removed from the stand 40 years ago. The red maple is mostly from stump sprouts but there some single stem, the understory is fully stocked. This is a healthy stand on a moderately good site.
3	42200 - Natural White Pine	High Density Log	2.7	45	81-110	Small stand, white pine with oak and maple. White pine is growing vigorously, the basal area is variable. The red maple was removed about 20 years ago and is now pole sized stump spouts.
4	4131 - Aspen, Oak	High Density Pole	193.9	41	51-80	Aspen and oak stand with red maple and a second older age class of red oak and trace white oak. The aspen quality seems to be slightly better in the west part of the stand. Small pockets of pine in scattered throughout the stand.
5	4131 - Aspen, Oak	Medium Density	97.8	18		Stand was regenerated in 1994. Cover type is now mixed upland deciduous with some jack pine.
7	4139 - Aspen, Mixed Deciduous	High Density Sapling	17.2	6		Stand was regenerated in 2006. Red pine was planted in 2008. Aspen stocking is high, the red pine likely will not be the dominant species.
8	4311 - Pine, Aspen Mix	High Density Log	0.7	62	111-140	small pine and aspen stand. Looks like this is retention from the adjacent harvest.
12	6130 - Fir, Aspen, Maple	High Density Pole	81.5	43	1-50	Stand is mainly balsam fir and quaking aspen. The age is variable, the dominant tree that was cored is 43 years old. There is some trace white pine. The stand is mostly lowland with a beaver flooding to the southwest, but there are some drier areas too.
16	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	95.7	57	51-80	Lowland conifer stand, two aged with older cohort of cedar, maple, and white pine and a younger cohort of balsam fir aspen and maple.
17	4139 - Aspen, Mixed Deciduous	High Density Pole	128.2	41	51-80	Large mixed stand with aspen, maple oak and some conifer. There is some variability concerning species concentration and density. It appears that merchantable aspen and maple were removed from the stand 30-40 years ago. The balsam fir understory is concentrated in the inside edge adjacent to stand 16.
18	4310 - Pine, Oak Mix	High Density Log	10.5	65	51-80	Mixed upland pine and oak stand with trace jack pine.
19	4126 - White, Black, N. Pin Oak	Low Density Log	51.1	124	1-50	Stand was harvested in 2006. All trees except white oak were cut. The residual oak basal area ranges from 0-60 square feet. Oak and red maple regen is from stump sprouts and single stem, the oak is heavily browsed. The aspen is growing well in scattered pockets of variable size. Cherry is dense in places. Stocking is not acceptable in many places.

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## Roscommon Mgt. Unit

## 5 – Forested Stands

Compartment: 097  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	4199 - Other Mixed Upland Deciduous	High Density Log	18.1	90	51-80	Mixed oak pine, upland site. Lots of firewood cutting.
21	4126 - White, Black, N. Pin Oak	High Density Log	47.1	87	81-110	Healthy oak stand, red maple and aspen were removed approximately 20-30 years ago. Red maple stump sprouts in the understory are just reaching into the canopy. White pine and balsam fir are scattered in the understory.
22	4130 - Aspen	High Density Log	24.7	46	81-110	Mixed aspen stand with trace beech, white ash and red oak.
23	4123 - Red Oak	High Density Log	61.9	94	81-110	Primarily a healthy oak stand with pockets of aspen and unevenly distributed red maple, but growth has stagnated. This is an excellent pine site. There are old fire scarred white pine stumps. This stand is difficult for the public to access because of I-75 to the north and private property on 2 other sides. Network of illegal ORV trails coming from private property.
24	4131 - Aspen, Oak	Medium Density Log	22.5	47	1-50	Mixed stand aspen is dominant but poor quality, the basal area is low. Looks there was some type of harvest in the past but there are no records. Red pine is scattered and is growing vigorously.
25	4125 - Black, N. Pin Oak	High Density Log	61.2	97	1-50	Two-aged oak, aspen and maple stand. Harvested in 1995 by removing maple and aspen. The west part of the stand is slightly wetter than the east and has more maple and oak.
26	4191 - Mixed Upland Deciduous with Conifer	High Density Log	7.7	84		Stand is a buffer strip along M-55 to maintain visual aspects from the clearcutting in the adjacent stand.
27	4130 - Aspen	High Density Sapling	14.4	17		aspen stand that was regenerated in 1995.
28	4125 - Black, N. Pin Oak	High Density Pole	2.2	94		Small stand on the edge of F-97 and M-55 in the corner of the compartment.
30	42110 - Planted Red Pine	High Density Pole	3.8	49	200+	Small red pine plantation that should have been thinned in a previous rotation because growth really slowed in the past 10 years. The crowns are close together. This stand has never been thinned.
31	4126 - White, Black, N. Pin Oak	High Density Sapling	53.9	7		Stand was regenerated in 2005 everything was cut except the white oak, the regen is adequate.
32	4130 - Aspen	High Density Sapling	21.0	18		Stand was regenerated in 1994
33	4125 - Black, N. Pin Oak	High Density Log	42.6	86	111-140	Oak stand on medium quality site. Red maple in understory, not evenly distributed.
34	4125 - Black, N. Pin Oak	High Density Sapling	9.0	18		Stand was regenerated in 1994, is now oak with cherry.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	4131 - Aspen, Oak	High Density Sapling	38.8	18		Aspen oak stand that was regenerated in 1994, oak and maple mostly stump sprouts. Pocket of red pine in southeast part of the stand.
36	4125 - Black, N. Pin Oak	High Density Sapling	2.9	25		Small aspen stand with oak and maple on hilltop. Regenerated in 1987 at the same time as the adjacent stands.
37	4199 - Other Mixed Upland Deciduous	High Density Sapling	41.5	25		Stand was regenerated in 1987 dominant canopy species are oak, maple and aspen.
38	42290 - Natural Mixed Pine	High Density Log	29.2	66	51-80	Mixed upland red and white pine stand, with oak and aspen saplings. The white pine is more prolific in the north part of the stand.
39	4199 - Other Mixed Upland Deciduous	High Density Pole	38.4	18		Oak, aspen stand that was regenerated in 1994 based on previous inventory data.
40	4131 - Aspen, Oak	High Density Sapling	36.2	25	51-80	Mixed aspen, oak, maple stand that was regenerated 25 years ago.
41	4125 - Black, N. Pin Oak	High Density Log	12.2	82	111-140	Mature oak stand with a pocket of aspen. Red maple understory is dense in places.
42	4130 - Aspen	High Density Sapling	12.0	27		Aspen with oak that was regenerated in 1987 and is just entering pole size. There is super canopy red pine scattered mostly in the south of the stand.
43	4125 - Black, N. Pin Oak	High Density Log	5.0	90	51-80	Small oak stand with red maple and pine that adds to diversity..
44	4199 - Other Mixed Upland Deciduous	High Density Sapling	88.6	7		Stand was regenerated in 2005. Mixed upland oak, maple, and aspen with super canopy red pine and white pine.
45	4199 - Other Mixed Upland Deciduous	High Density Sapling	36.0	17		Stand was regenerated in 1995, the maple and oak are mostly from stump sprouts.
46	4199 - Other Mixed Upland Deciduous	High Density Sapling	37.1	25		Stand was regenerated in 1987, mixed oak, maple, and aspen
47	4125 - Black, N. Pin Oak	High Density Log	36.1	86	81-110	Mature oak stand with red pine, low to mid grade sawlog quality. The oak growth is stagnant, some of the suppressed oak is beginning to senesce. The red maple is unevenly distributed in the understory, it is not well established in at least half of the stand. Small amounts of red pine are regenerating in the understory. Based on the stand succession with the presence of red pine it might be a good idea to encourage more red pine regeneration.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	710 - Sand, Soil	0.8	No	Unspecified	
6	629 - Mixed non-forested wetland	5.8	N/A	Unspecified	Old beaver flooding
9	50 - Water	12.8	No	Unspecified	Beaver flooding with alder and open water.
10	50 - Water	3.2	No	Unspecified	Beaver flooding, open water with cattail.
11	6220 - Alder/willow	6.0	No	Unspecified	
13	6220 - Alder/willow	3.2	No	Unspecified	
14	6220 - Alder/willow	6.1	No	Unspecified	
15	50 - Water	3.1	No	Unspecified	
29	11 - Low Intensity Urban	7.0	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

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