



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 10      ENTRY YEAR: 2013**

**Compartment Acreage: 1428**

**County: Roscommon**

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**Revision Date:** 07-21-2011

**Stand Examiner:** Jason Lewicki

**Legal Description:** T24N R02W sections 10, and 15

**Management Area:** AuSable Outwash

**Management Goals:** Provide for sustainable ecosystem based management. Maintain healthy and diverse forested stands for wildlife, recreation and the production of forest products.

**Soil and Topography:** Topography is generally flat with large wetland areas both forested and non forested. Soils range from grayling sands on the uplands to Tawas-Lupton Mucks on the lowlands

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment lies just to the east of the Village of Roscommon and is intermixed with state and private landholdings.

**Unique, Natural Features:** South Branch of the AuSable River is a designated natural river and bisects the compartment.

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

**Special Management Designations or Considerations:** South Branch of the AuSable River is a designated natural river

**Watershed and Fisheries Considerations:** South Branch of the AuSable River is a designated natural river and bisects the compartment.

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

**Mineral Resource and Development Concerns and/or Restrictions:** Sections 3, 10 and 15, T24N-R2W, Roscommon County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Marshall Sandstone. The Michigan is quarried for gypsum in the State and the Marshall has been used as a building stone. Most of the nearby gravel pits are associated with upland areas. The nearest gravel pit is located two miles to the west. Gravel potential in Section 3 may be good. St. Helen Field lies

three miles to the east. The field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation. It is in secondary recovery operations currently. Section 3 is currently leased for oil and gas development.

**Vehicle Access:** There is good vehicle access on the north and far south sides of the AuSable river due to it being primarily high and dry. M-18 lies on it's north border and M-76 runs near it's south border. Vehicle access is fairly poor throughout the center of the compartment due to large wetland areas

**Survey Needs:** None at this time

**Recreational Facilities and Opportunities:** Opportunities include hunting, fishing, cross country skiing and hiking along the Tisdale Triangle designated state pathway.

**Fire Protection:** There are large areas of jack pine cover types especially on the north side of the river which could pose a potential threat for large wildfires. Access for suppression is good there as well as being fairly close to South Branch Township, Higgins Township and DNR offices.

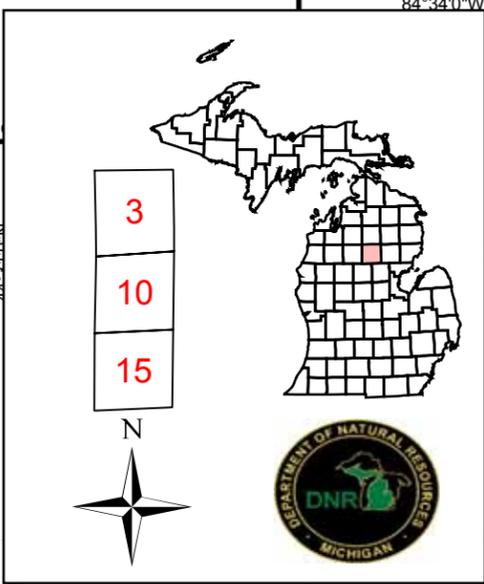
**Additional Compartment Information:**

- **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**

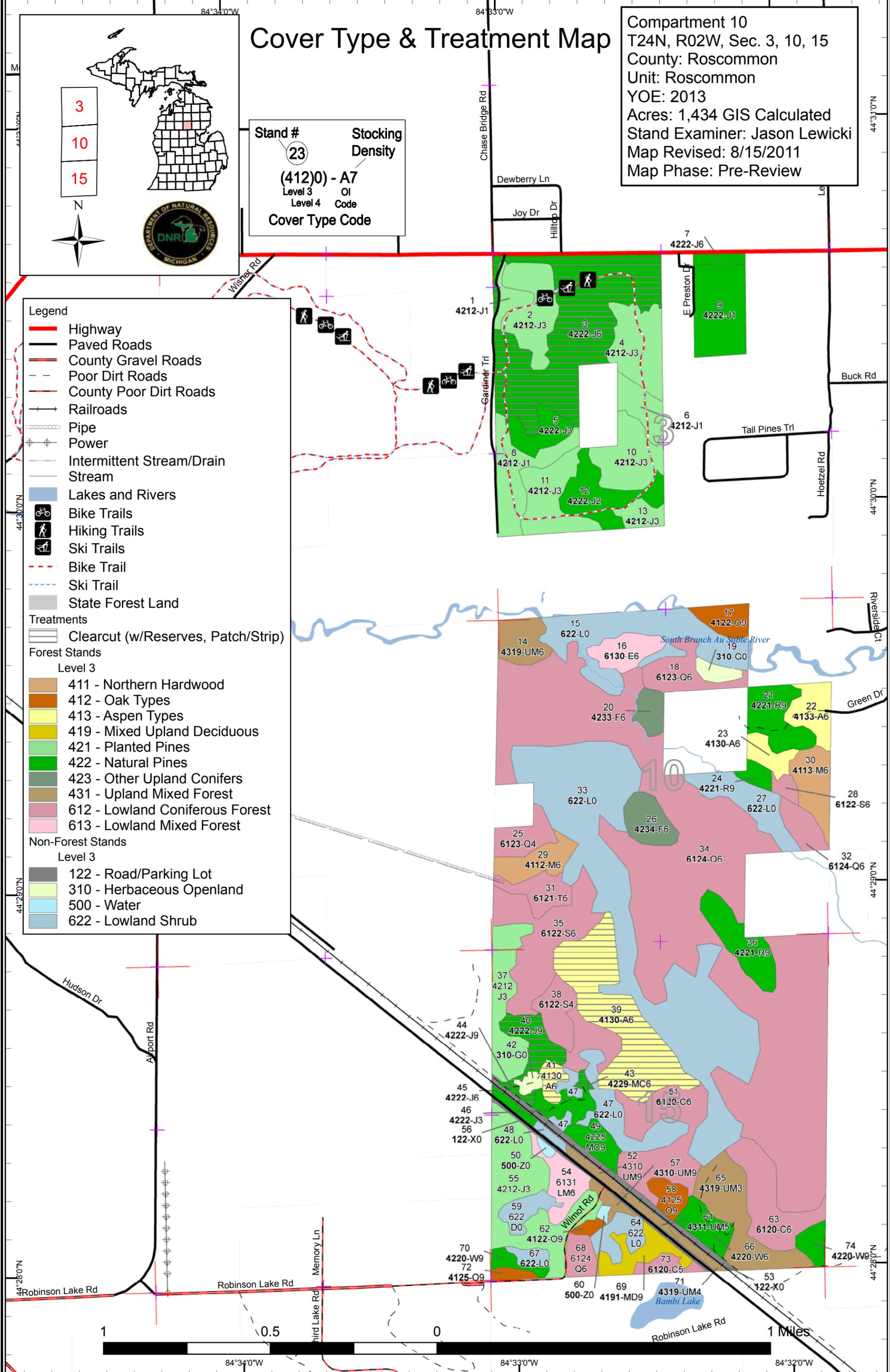
# Cover Type & Treatment Map

Compartment 10  
 T24N, R02W, Sec. 3, 10, 15  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2013  
 Acres: 1,434 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 8/15/2011  
 Map Phase: Pre-Review

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



- Legend**
- Highway
  - Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Railroads
  - Pipe
  - Power
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
  - Bike Trails
  - Hiking Trails
  - Ski Trails
  - Bike Trail
  - Ski Trail
  - State Forest Land
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 423 - Other Upland Conifers
  - 431 - Upland Mixed Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 500 - Water
  - 622 - Lowland Shrub



# Stand Boundary Map

Compartment 10  
 T24N, R02W, Sec. 3, 10, 15  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2013  
 Acres: 1,434 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 8/15/2011  
 Map Phase: Pre-Review

3  
 10  
 15

N

DEPARTMENT OF NATURAL RESOURCES  
 MICHIGAN

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

**Legend**

- Miris Corners
- Highway
- Paved Roads
- County Gravel Roads
- - - Poor Dirt Roads
- - - County Poor Dirt Roads
- Railroads
- Pipe
- Power
- Intermittent Stream/Drain
- Stream
- Bike Trails
- Hiking Trails
- Ski Trails
- - - Bike Trail
- - - Ski Trail
- Stand Boundaries

**Forest Stands**

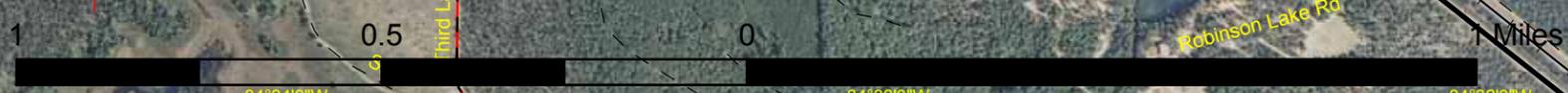
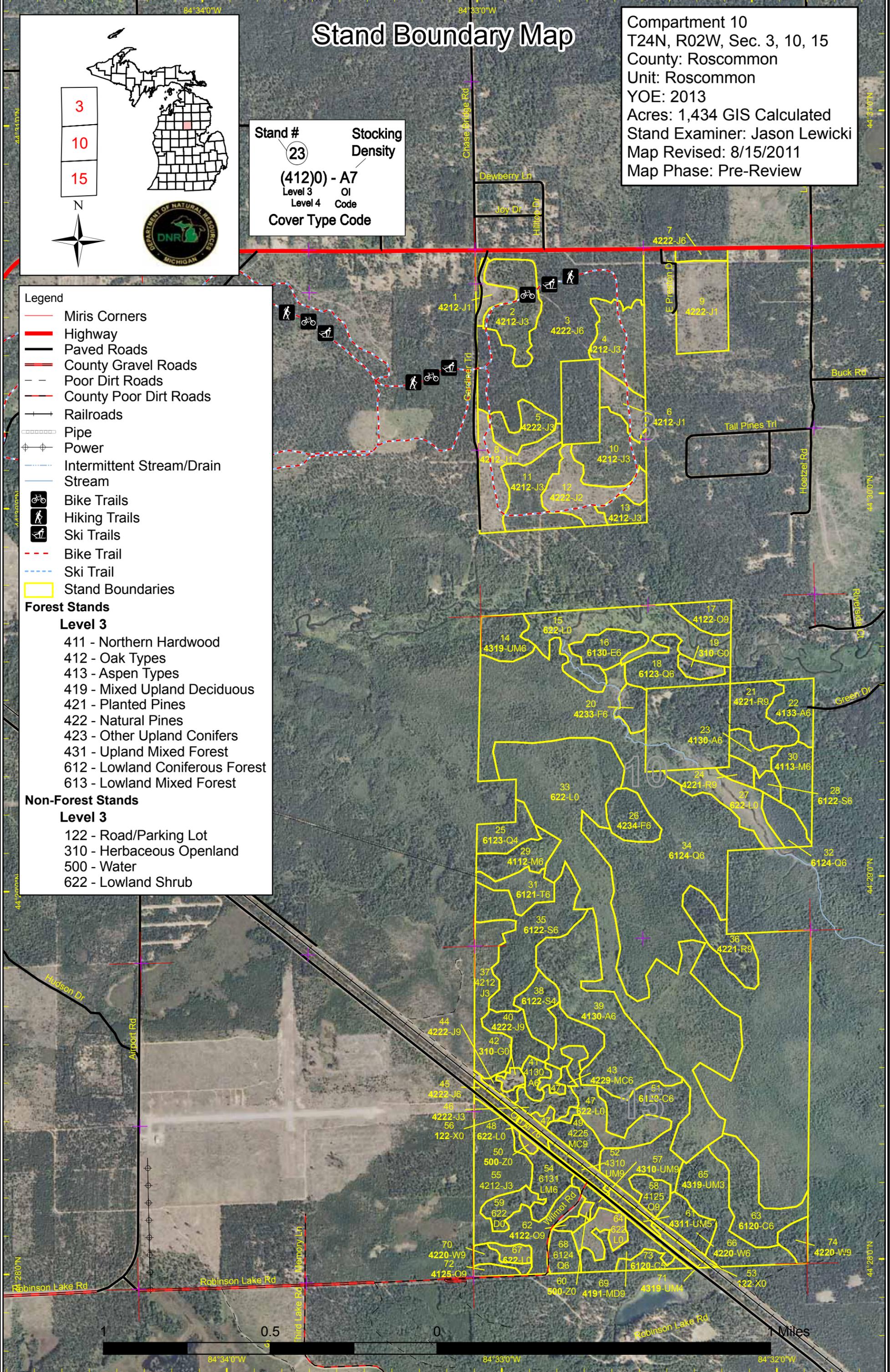
**Level 3**

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

**Level 3**

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
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- 622 - Lowland Shrub



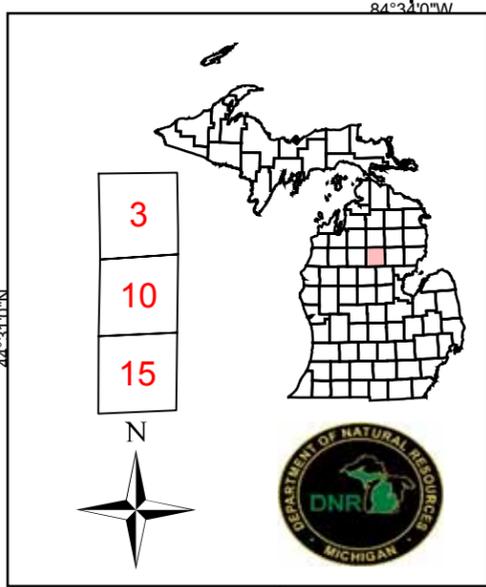
84°34'0"W      84°33'0"W      84°32'0"W

44°28'0"N

44°31'0"N  
 44°30'0"N  
 44°29'0"N

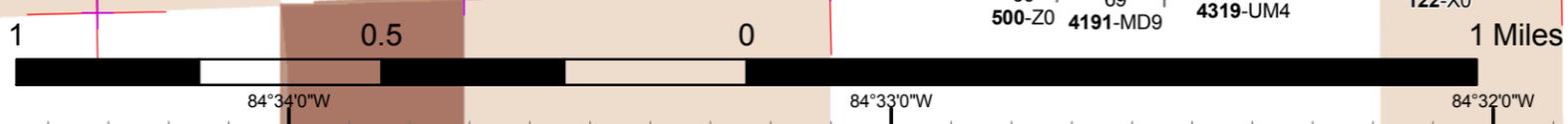
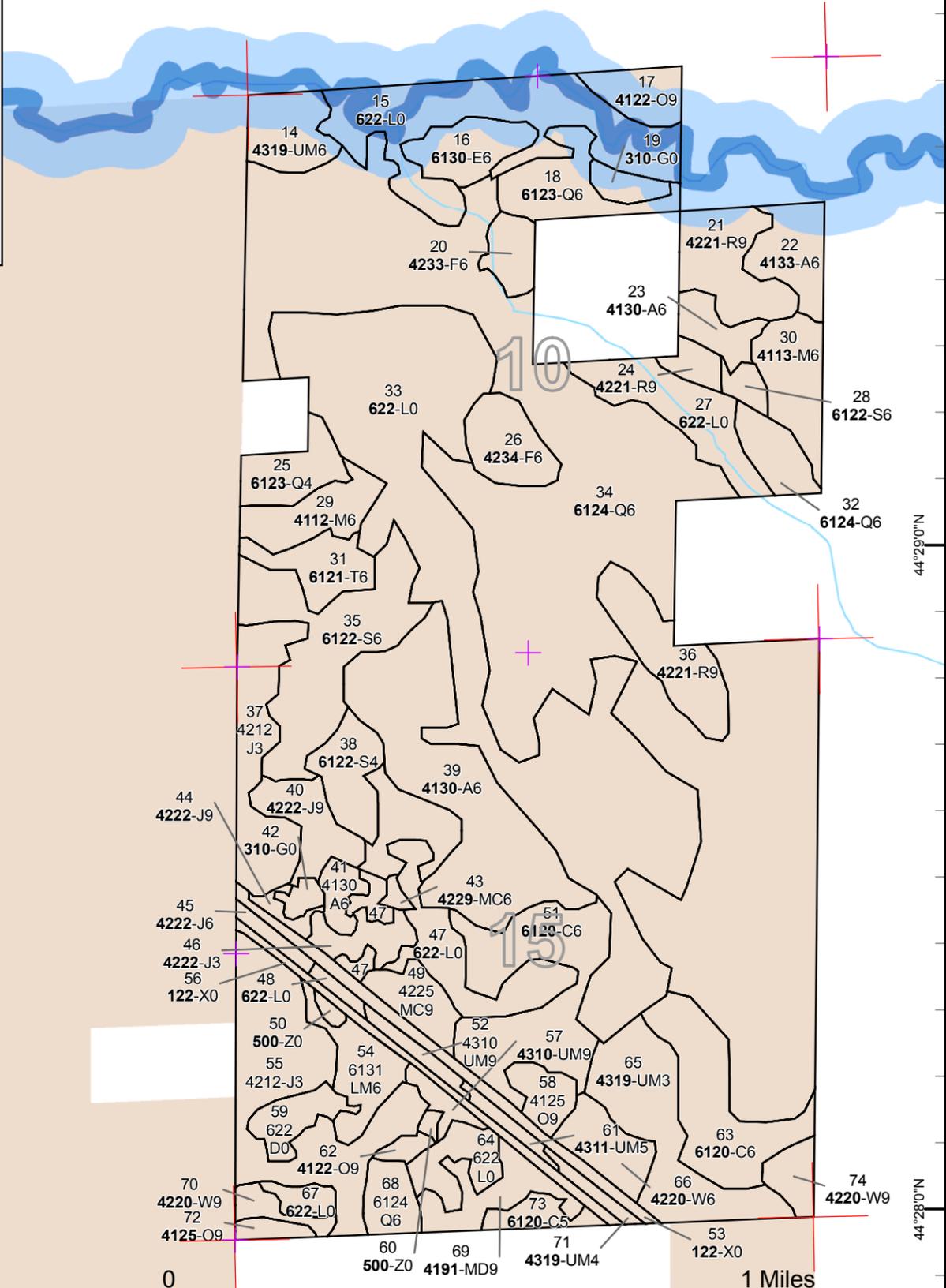
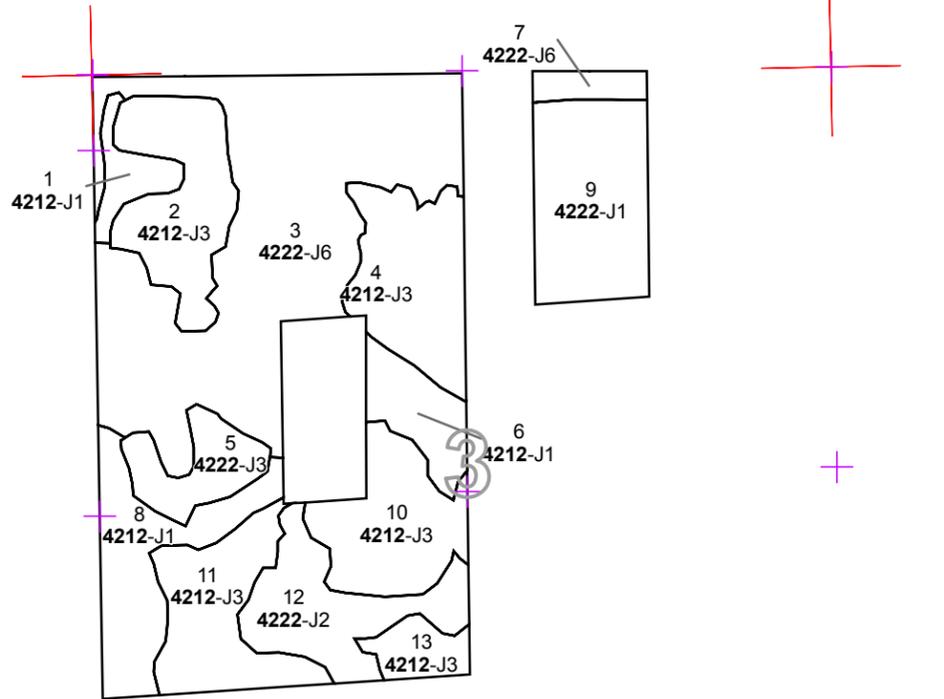
# Dedicated & Proposed Special Conservation Area Map

Compartment 10  
T24N, R02W, Sec. 3, 10, 15  
County: Roscommon  
Unit: Roscommon  
YOE: 2013  
Acres: 1,434 GIS Calculated  
Stand Examiner: Jason Lewicki  
Map Revised: 8/15/2011  
Map Phase: Pre-Review



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

- Legend**
- Miris Corners
  - High Conservation Value Areas
  - Natural Rivers Vegetative Buffer
  - Natural Rivers Zoning District
  - Special Conservation Areas
  - Cold Water Streams
  - Research, Development, and Military Lands
  - Wildlife Management Areas
  - Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
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- Non-Forest Stands**
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**Table 1 – Total Acres by Cover Type and Age Class**



	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 +		Unre/en Age
Aspen	0	0	0	0	0	56	0	0	23	0	0	0	0	0	0	80
Cedar	0	0	0	0	0	0	0	0	0	0	5	61	0	0	0	66
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	85	177	0	0	0	0	95	13	0	0	0	0	0	0	371
Lowland Conifers	0	0	0	0	0	0	0	34	0	0	0	7	301	0	0	342
Lowland Mixed Forest	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	23
Lowland Shrub	246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246
Lowland Spruce/Fir	0	0	0	0	0	0	0	60	0	0	0	0	0	0	3	63
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	11
Natural Mixed Pines	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	10
Northern Hardwood	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	27
Oak	0	0	0	0	0	0	0	0	0	0	15	5	0	0	0	19
Red Pine	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	39
Tamarack	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	11
Treed Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	0	0	0	29	0	0	0	17	3	0	0	4	0	0	0	53
Upland Spruce/Fir	0	0	0	12	0	0	0	0	0	0	0	0	0	0	7	19
Urban	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	10	0	0	0	0	0	6	4	0	0	20
<b>Total</b>	<b>281</b>	<b>85</b>	<b>177</b>	<b>41</b>	<b>0</b>	<b>66</b>	<b>0</b>	<b>267</b>	<b>80</b>	<b>0</b>	<b>40</b>	<b>82</b>	<b>305</b>	<b>0</b>	<b>10</b>	<b>1434</b>



## Table 2 – Proposed Treatment Summaries

**Roscommon Mgt. Unit**  
**Year of Entry 2013**

**Compartment 010**  
**Total Compartment Acres: 1434**

### Acres by Treatment Type

Commercial Harvest - 164	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>	61	0	0	0	0	0	0	61
<b>Jack Pine</b>	102	0	0	0	0	0	0	102
<b>Natural Mixed Pines</b>	1	0	0	0	0	0	0	1
<b>Total</b>	164	0	0	0	0	0	0	164

**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
3	71010003-Cut	88.6	42220 - Natural Jack Pine	High Density Pole	65	Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest and plant jack pine. Protect ski trail, no winter harvesting. Apply retention along M-18 and by leaving some super canopy pine and <u>Specs:</u> oak. Stand should end up a mix of jack pine and oak.  <u>Other Comments:</u>  <u>Next Steps:</u> Trench and plant jack pine.									
39	71010039-Cut	56.1	4130 - Aspen	High Density Pole	43	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest stand and regenerate aspen. There is a small wet swale that must be crossed in order to access stand for harvesting operations. <u>Specs:</u> This swale must be either frozen in, filled in using multiple culverts or some type of mats used to cross with logging equipment. Retention will be used along swamp edges. Use "rabbit" spec to place brush piles along the swamp edges.  <u>Other Comments:</u>  <u>Next Steps:</u>									
40	71010040-Cut	11.1	42220 - Natural Jack Pine	High Density Log	75	Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest in winter or dry summer due to high watertable. Final harvest 2" spec and manage for jack pine by seeding or planting. Use rabbit <u>Specs:</u> spec along swamp edge. Retention should be applied along swamp edges. Apply "rabbit" spec and place brush piles on north edge.  <u>Other Comments:</u>  <u>Next Steps:</u> Trench and plant/seed jack pine.									
41	71010041-Cut	4.5	4130 - Aspen	High Density Pole	75	Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest and regenerate aspen for age class diversity and habitat. Consider no retention due to size. Use "rabbit" spec for placing brush <u>Specs:</u> piles along swamp edge.  <u>Other Comments:</u>  <u>Next Steps:</u>									
43	71010043-Cut	1.2	42290 - Natural Mixed Pine	High Density Pole	75	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest stand and let regenerate naturally. Will accept any mix of regeneration from oak, maple and pine. If natural regeneration is not <u>Specs:</u> sufficient, plant to jack pine.  <u>Other Comments:</u>  <u>Next Steps:</u>									

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

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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44	71010044-Cut	2.3	42220 - Natural Jack Pine	High Density Log	75	Harvest	Clearcut	42120 - Planted Jack Pine	Cmpt. Review Proposal

Prescription Final harvest and manage for jack pine. Plant or seed back to jack pine. Use retention on east side of grass opening where jack pine may not be as mature.

Other  
Comments:

Next Trench and plant/seed jack pine.  
Steps:

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**Total Treatment  
Acreage Proposed: 163.8**

Table 4 -- Treatments Prescribed with  
a Limiting FactorS  
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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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#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

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

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

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>71048_OutOfY OE_1-Cut</b>	2.2				Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> thin to 120 SF by concentrating on improving the quality of the stand, no retention other than residual RP, save areas heavy to oak understory  <u>Specs:</u> where possible</p> <p><u>Other</u> cut with stand to the west in 71046  <u>Comments:</u></p> <p><u>Next</u> manage for utility poles next YOE  <u>Steps:</u></p>								
<b>71048_OutOfY OE-Cut</b>	4.0			0	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> final harvest for aspen mgmt., mark oak SL to leave for wildlife mast, mark R/W pine SL for diversity, no retention other than marked leave  <u>Specs:</u> trees, address green-up concerns on the east side of this stand if still a problem, dormant season cut to promote vigorous sprouting of the older aspen in the stand, any regeneration to a fully stocked stand is acceptable, trench and plant RP if regeneration fails</p> <p><u>Other</u> cut with stand to the west in 71046  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>								
<b>71118_OutOfY OE-Cut</b>	6.6			0	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> final harvest for aspen mgmt. mark or leave all oak for diversity/retention/visuals. buffer low marshy ground on southwest. leave out any wetter  <u>Specs:</u> areas in the north part of the stand for BMP reasons. leave out areas with heavy R/W pine component for diversity/retention/visuals. Any regeneration of aspen/oak/pine to a fully stocked stand is acceptable. regeneration alternative is to plant red pine if stand is not fully stocked but this is unlikely.</p> <p><u>Other</u> treat with stand to the west in 71117, add proper protection specs to ensure trail status open to snowmobiles during hauling  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>								
<b>71165_OutOfY OE-Cut</b>	5.1				Harvest	Low Thinning	42260 - Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> thin to 90-120 SF/Acre so as to enhance old growth/bio-diversity characteristics  <u>Specs:</u></p> <p><u>Other</u> stand has a dense A/RM understory which will need to be addressed with appropriate sale specs, save W3 understory where possible, treat  <u>Comments:</u> stand to the west in 71163 when this stand is treated (same stand)</p> <p><u>Next</u>  <u>Steps:</u></p>								

**Total Treatment  
Acreage Proposed: 17.9**



Stand	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 010 Year of Entry: 2013	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	42121 - Planted Jack Pine, Mixed Deciduous	Low Density Sapling	5.7	3		Stand was harvested leaving all oak and pine under 4" and then was plated with jack pine. There is also some oak stump sprouts present.	
2	42120 - Planted Jack Pine	High Density Sapling	22.4	16		Stand may have been seeded? Good oak mixture.	
3	42220 - Natural Jack Pine	High Density Pole	88.6	65	51-80	2 aged jack pine stand. Majority of stand is around 65 years old with a 85 year old sawlog jack pine component. Older jack pine is experiencing decline and mortality. A few red pine and oak scattered about. Oak seedlings in understory. 2 aged scenario results in a higher risk for wildfire and budworm attacks. Tisdale ski trail meanders through stand.	
4	42120 - Planted Jack Pine	High Density Sapling	22.7	17		Plantation with oak sprouts mixed in along with some older supercanopy oak.	
5	42220 - Natural Jack Pine	High Density Sapling	10.7	17			
6	42121 - Planted Jack Pine, Mixed Deciduous	Low Density Sapling	10.3	3		Stand was harvested leaving all oak and pine under 4" and then was plated with jack pine. There is also some oak stump sprouts present.	
7	42220 - Natural Jack Pine	High Density Pole	3.9	65	51-80	Thin strip of jack pine that was left as buffer fo stand to the south. Along M-18	
8	42120 - Planted Jack Pine	Low Density Sapling	21.3	3		Stand was harvested leaving all oak and pine under 4" and then was plated with jack pine. There is also some oak stump sprouts present.	
9	42220 - Natural Jack Pine	Low Density Sapling	27.4	6			
10	42120 - Planted Jack Pine	High Density Sapling	21.1	17			
11	42120 - Planted Jack Pine	High Density Sapling	21.1	17			
12	42220 - Natural Jack Pine	Medium Density	20.8	3		Stand was harvested leaving all oak and pine under 4" and then was planted with jack pine. There is also some oak stump sprouts present.	
13	42120 - Planted Jack Pine	High Density Sapling	6.0	17			
14	4319 - Mixed Upland Forest	High Density Pole	11.9	65			
16	6130 - Fir, Aspen, Maple	High Density Pole	11.3	65			

S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 010	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
17	4122 - Oak, Pine	High Density Log	8.5	95			
18	6123 - Lowland Fir	High Density Pole	14.7	62	81-110		Mostly balsam fir stand with some mixed aspen including balsam poplar. Black ash swale runs through stand and broadens out towards creek. Ash is currently infested with EAB and therefore will not be in canopy species.
20	42330 - Upland Fir	High Density Pole	6.6	Uneven Age	51-80		Stand goes from red pine saw timber on high ground then drops down to creek with old rotten aspen and balsam fir. There is a black ash component but it is heavily infested with EAB.
21	42210 - Natural Red Pine	High Density Log	17.4	75	111-140		Nice stand of natural red pine sawtimber. Some lower areas with some balsam fir and nice white pine.
22	4133 - Aspen, Mixed Pine	High Density Pole	12.0	75	81-110		Landlocked by PVT and AuSable river.
23	4130 - Aspen	High Density Pole	6.9	75	81-110		A mixed aspen stand with some red maple and pine mixed in. Landlocked by private property and AuSable River.
24	42210 - Natural Red Pine	High Density Log	3.9	75	141-170		Small stand of natural red pine on north edge of creek. Landlocked by private property and the AuSable River.
25	6123 - Lowland Fir	Low Density Pole	10.6	65	1-50		
26	42340 - Upland Spruce/Fir	High Density Pole	11.9	26	1-50		Upland islan in the middle of swamp. Stand was habitat cut in 1984. Now is a mix of balsam fir and white pine. Some aspen and patches of jack pine.
28	6122 - Black Spruce	High Density Pole	3.2	Uneven Age	81-110		Lowland but operable. Nice black spruce stand mixed with some balsam fir and aspen.
29	4112 - Maple, Beech, Cherry Association	High Density Pole	12.4	65	81-110		Red maple pole timber stand mixed with some bigtooth aspen and paper birch. A few scattered jack pine. Some larger 24"+ white pine on far west side along section line.
30	4113 - R.Maple, Conifer	High Density Pole	14.5	65	51-80		Red maple and balsam fir stand with a few aspen . Thick balsam fir understory.
31	6121 - Tamarack	High Density Pole	10.6	65	1-50		Tamarack swamp with some cedar and dead and dying ash(EAB). Some open areas dominated by tag alder and willow.
32	6124 - Lowland Spruce- Fir	High Density Pole	8.4	65	81-110		



S t a n d	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 010	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
34	6124 - Lowland Spruce-Fir	High Density Pole	301.0	110	51-80		Large Q type that in areas is dominated by tamarack and balsam fir. Some scattered cedars and birch. Tag alder and willow is thick in understory especially in more open areas. Stand is large and am sure species composition changes throughout as only small areas were seen. A tamarack was cored at least 110 years old, riings were almost undistinguishable in areas.
35	6122 - Black Spruce	High Density Pole	48.3	65	51-80		
36	42210 - Natural Red Pine	High Density Log	17.5	70	111-140		Natural red pine stand on island in swamp. Balsam fir understory. A few open spots. Some red maple and quaking aspen mixed in and along small openings.
37	42120 - Planted Jack Pine	High Density Sapling	22.3	16			Jack pine stand that appears to be trenched and seeded. A good mix of oak.
38	6122 - Black Spruce	Low Density Pole	11.6	65	1-50		Low density stand of spruce with open areas dominated by tag alder. Some black ash that is infested with EAB.
39	4130 - Aspen	High Density Pole	56.1	43	51-80		Por quality quaking aspen stand with some jack pine and old oak mixed in. Scattered balsam fir in understory. Hypoxylon present.
40	42220 - Natural Jack Pine	High Density Log	11.1	75	111-140		Nice jack pine sawtimber stand mixed with black spruce on a high water table. Some quaking aspen mixed in on south end.
41	4130 - Aspen	High Density Pole	4.5	75	51-80		Poor quality quaking aspen stnad with some scattered pin oak. Stand is in decline and has some mortality.
43	42290 - Natural Mixed Pine	High Density Pole	1.2	75	51-80		Small little island of pine and oak mix. Road will need to be constructed through this stand to reach larger aspen stand to the north east.
44	42220 - Natural Jack Pine	High Density Log	2.3	75	81-110		Small stand of mature jack pine that partially surrounds grass opening. Higher and drier than preinventory stand 70. Areas of good advanced oak regeneration. Stand has somewhat high water table.
45	42220 - Natural Jack Pine	High Density Pole	2.6	65	51-80		
46	42220 - Natural Jack Pine	High Density Sapling	7.0	16			Stand regenerating to a good mix of natural pines and some oak. A few wet spots that were not cut that contain some larger maple, birch ect.
49	42250 - Pine, Oak	High Density Log	8.5	90	81-110		Natural stand of jack pine and oak mixed with some white pine. Some red maple and red pine. More of an oak component on SE side of stand. No easy access for harvesting.
51	6120 - Lowland Cedar	High Density Pole	35.4	100	81-110		Cedar with understory of balsam fir and tag alder. Some small areas of slightly higher areas with some hardwoods. More black spruce on north end



S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 010	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
52	4310 - Pine, Oak Mix	High Density Log	3.3	75	51-80		Mixed pine, oak stand.
54	6131 - Hemlock, White Pine, Maple, Birch	High Density Pole	11.8	60	81-110		Wet white pine stand mixed with red maple. Scattered and clumped large white pine.
55	42120 - Planted Jack Pine	High Density Sapling	43.4	17			
57	4310 - Pine, Oak Mix	High Density Log	3.5	100	81-110		Small stand along M-76. Poor quality oak and white pine mix.
58	4125 - Black, N. Pin Oak	High Density Log	6.3	95	51-80		Stand is landlocked by swamp or railroad. Mix of oak, aspen and balsam fir.
61	4311 - Pine, Aspen Mix	Medium Density Pole	2.7	65	51-80		Some planted red pine with some aspen and oak on north edge of stand along tracks. Some wet non forested areas.
62	4122 - Oak, Pine	High Density Log	2.1	100	81-110		Old stand of poor quality oak and jack pine. Balsam fir and white pine understory. Some white pine making it into canopy. Small acreage.
63	6120 - Lowland Cedar	High Density Pole	25.8	105	81-110		A few hemlocks on higher drier spots.
65	4319 - Mixed Upland Forest	High Density Sapling	29.0	26			Young aspen mixed with older age class of balsam fir and white pine left from harvest. Must have cut all hardwoods and aspen and left conifers??? Conifers act as supercanopy above aspen. Some wet pockets. Far east end has small area of planted/seeded jack pine from adjacent harvest.
66	42200 - Natural White Pine	High Density Pole	10.3	40	81-110		Pole timber white pine stand with some red pine mixed in. A few stump sprout maple and oak from harvest.
68	6124 - Lowland Spruce- Fir	High Density Pole	7.0	100	81-110		Black spruce and cedar swamp.
69	4191 - Mixed Upland Deciduous with Conifer	High Density Log	11.3	90	51-80		
70	42200 - Natural White Pine	High Density Log	3.9	110	111-140		White pine stand mixed with some jack pine. More jack pine component to S & E. Some large diameter 110+ yr old white pine. Small bog in center of stand.
71	4319 - Mixed Upland Forest	Low Density Pole	2.6	60	51-80		
72	4125 - Black, N. Pin Oak	High Density Log	2.7	100	81-110		Old, low quality sawtimber stand with heavy white pine understory. Some white pine making into canop.
73	6120 - Lowland Cedar	Medium Density Pole	5.0	90	111-140		



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Roscommon Mgt. Unit

5 – Forested Stands

Compartment: 010  
Year of Entry: 2013



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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	42200 - Natural White Pine	High Density Log	5.5	105	141-170	Small stand of large diameter white pine mixed with some red pine. A few hemlock mixed in.

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Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
15	622 - Lowland Shrub	43.7	No	Unspecified	Lowland areas around AuSable River.
19	3102 - Grass	4.1	No	Unspecified	
27	622 - Lowland Shrub	18.3	No	Unspecified	
33	622 - Lowland Shrub	147.4	No	Unspecified	
42	3102 - Grass	2.4	No	Unspecified	
47	6229 - Mixed lowland shrub	22.2	No	Unspecified	
48	622 - Lowland Shrub	1.7	No	Unspecified	
50	50 - Water	1.1	No	Unspecified	
53	122 - Road/Parking Lot	11.4	No	Unspecified	
56	122 - Road/Parking Lot	7.7	No	Unspecified	
59	6224 - Treed Bog	7.5	No	Unspecified	
60	50 - Water	0.9	No	Unspecified	
64	622 - Lowland Shrub	9.1	No	Unspecified	
67	622 - Lowland Shrub	3.6	No	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.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.