



Roscommon Forest Management Unit
Compartment Review Presentation
Compartment # 90 **Entry Year: 2014**
Compartment Acreage: 1912 **County: Roscommon**

Revision Date: 8/7/2012

Stand Examiner: Jason Lewicki

Legal Description: T23N R01W Section 31, 32 and 33.

Identified Planning Goals: Ogemaw Hills Eco-Regional Management Area

Management Goals: Maintain current age and species diversity in a range of early and late succession ecosystems.

Soil and Topography: Terrain is mostly flat to gently rolling throughout the compartment. Much of the entire compartment is upland with a few wetland drainages. Soils on uplands are a mix of Greycalm-Grayling, Crosswell and Grayling sands. Lowland areas consist Tawas-Lupton and Wakeley mucks.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Almost the entire compartment and much of the surrounding areas are under state ownership with the exception of the area to the north which are primarily private residential. Land use is heavy within this compartment from hunting, ORV and snowmobile use.

Unique, Natural Features: None noted.

Archeological, Historical, and Cultural Features: None noted. No sites found during field work.

Special Management Designations or Considerations: None noted.

Watershed and Fisheries Considerations: Beaver floodings and intermittent streams run along the south central part of the compartment.

Wildlife Habitat Considerations: Aspen management has been a priority on upland areas providing essential habitat for species such as deer, grouse and woodcock. Beaver floodings create habitat for waterfowl.

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 400 and 600 feet. Beneath the glacial drift is the Mississippian Bayport Limestone and Michigan Formation. The Michigan is quarried for gypsum and the Bayport for limestone elsewhere in the State. Most of the good gravel pits are associated with upland areas. The nearest gravel pit is located just to the southeast and potential should be good in Section 32 and 33. St. Helen Field is located six miles to the north. 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. None of the State land in the compartment is currently leased, but leases are located just to the south.

Vehicle Access: There is good vehicle access to the compartment. M-18 lies on its east boundary and Russell lake road lies on its north boundary. Some forest road access are gated but can be accessed by foot.

Survey Needs: No survey work currently needed.

Recreational Facilities and Opportunities: No organized recreational facilities are within the compartment but compartment is heavily used for dispersed recreation such as hunting.

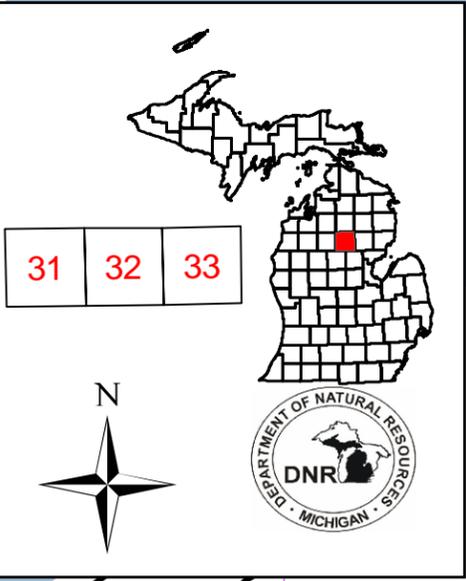
Fire Protection: Large wildfire potential in this compartment is low due to large wetlands, primarily hardwood cover types and good vehicle access.

Additional Compartment Information: None

- **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**

Compartment: 90
 T23N R01W Sec. 31, 32, 33
 County: Roscommon
 Unit: Roscommon
 YOE: 2014
 Acres: 1,914 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 08/10/2012
 Map Phase: Pre-Review



Cover Type & Treatment Map

Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Stream
- Intermittent Stream
- ORV Routes
- ORV Route
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)

Forest Stands

Level 3

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

Non-Forest Stands

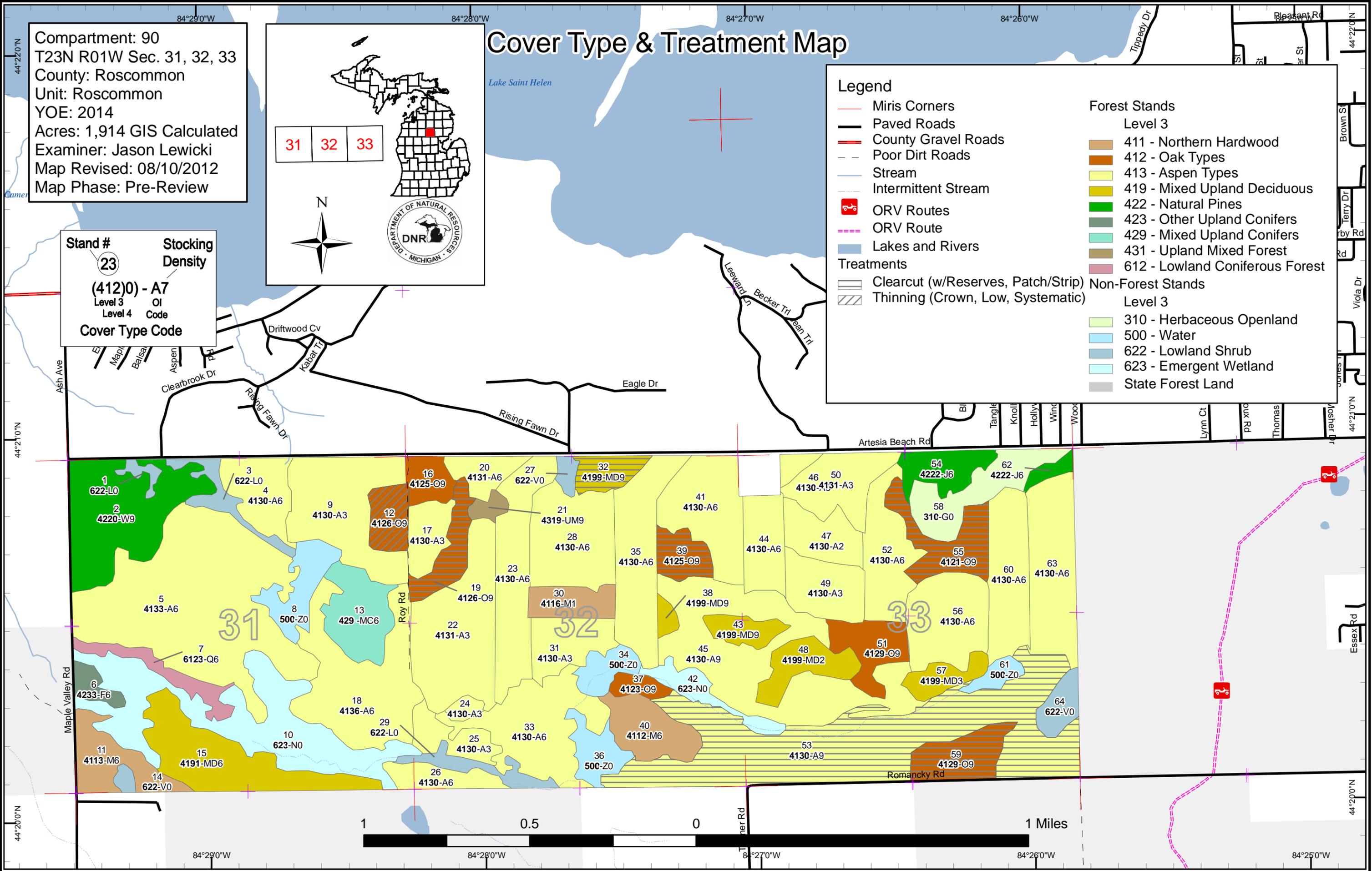
Level 3

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

Stand #
 23

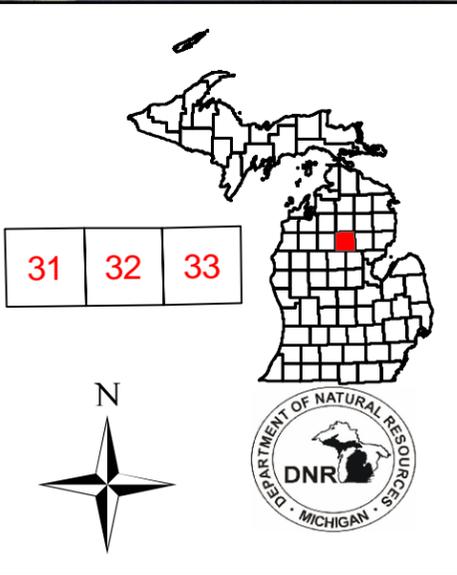
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code

Cover Type Code



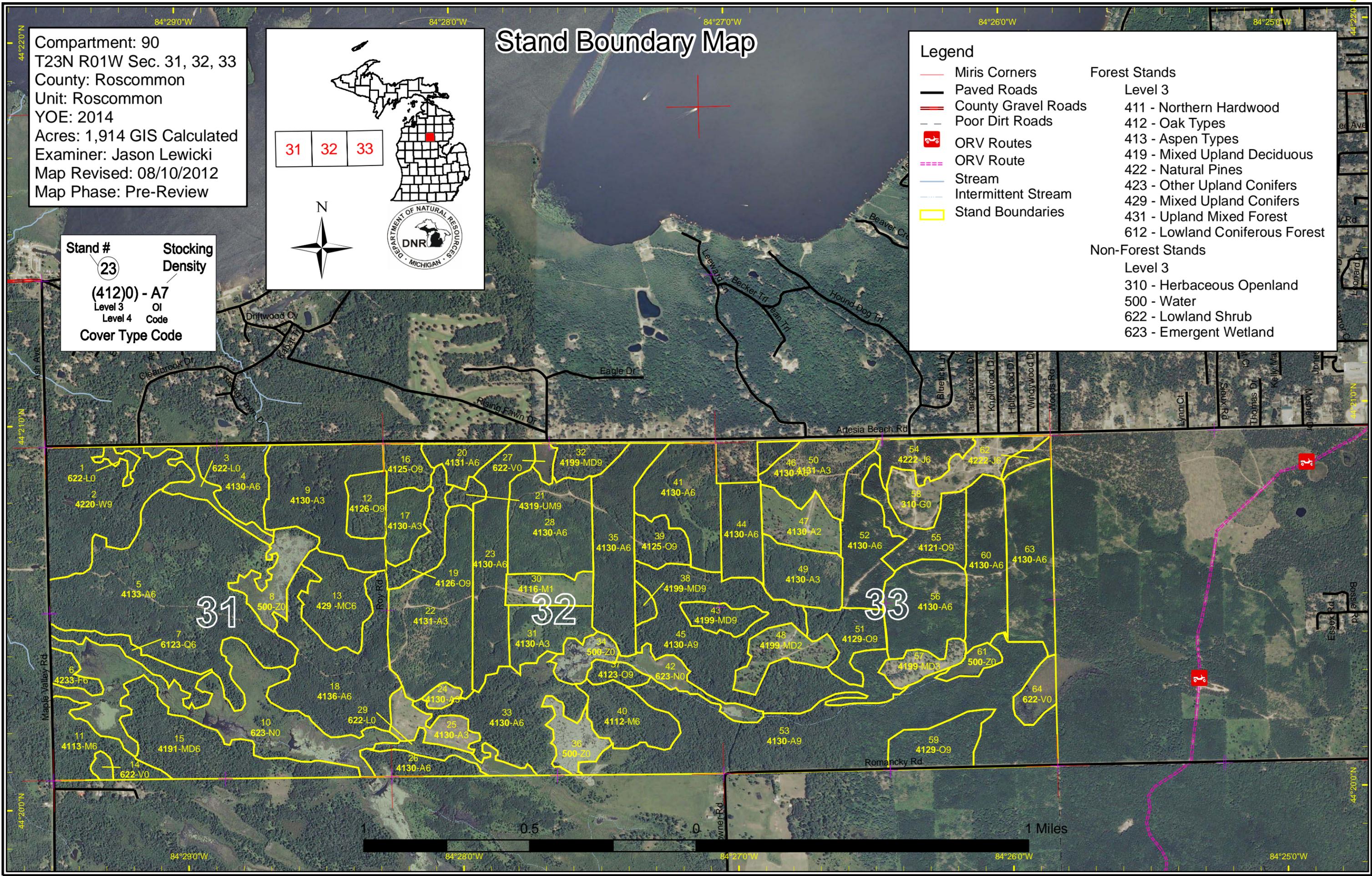
Stand Boundary Map

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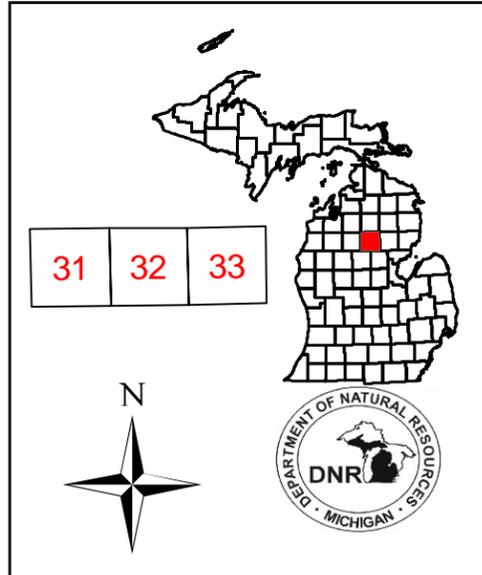
Legend	
	Miris Corners
	Paved Roads
	County Gravel Roads
	Poor Dirt Roads
	ORV Routes
	ORV Route
	Stream
	Intermittent Stream
	Stand Boundaries
Forest Stands	
Level 3	
	411 - Northern Hardwood
	412 - Oak Types
	413 - Aspen Types
	419 - Mixed Upland Deciduous
	422 - Natural Pines
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	431 - Upland Mixed Forest
	612 - Lowland Coniferous Forest
Non-Forest Stands	
Level 3	
	310 - Herbaceous Openland
	500 - Water
	622 - Lowland Shrub
	623 - Emergent Wetland

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



Dedicated & Proposed Special Conservation Area Map

Compartment: 90
 T23N R01W Sec. 31, 32, 33
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 Map Phase: Pre-Review



31 32 33

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

Legend

- Miris Corners
- Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Dedicated Special Conservation Areas**
- Boat Access Sites

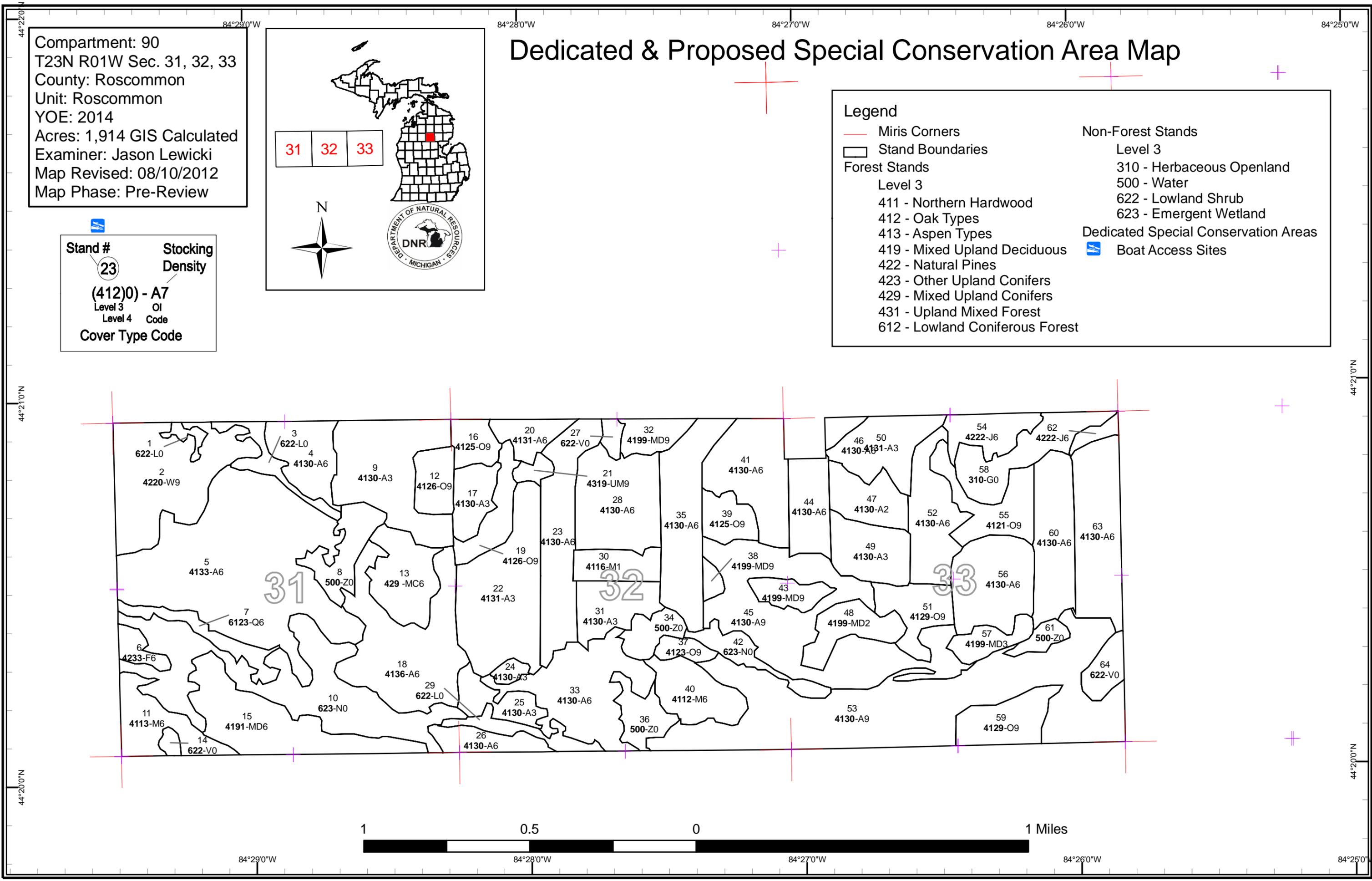
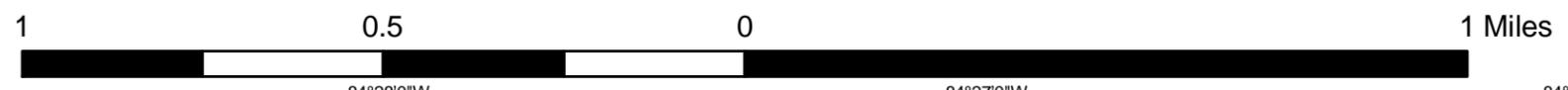
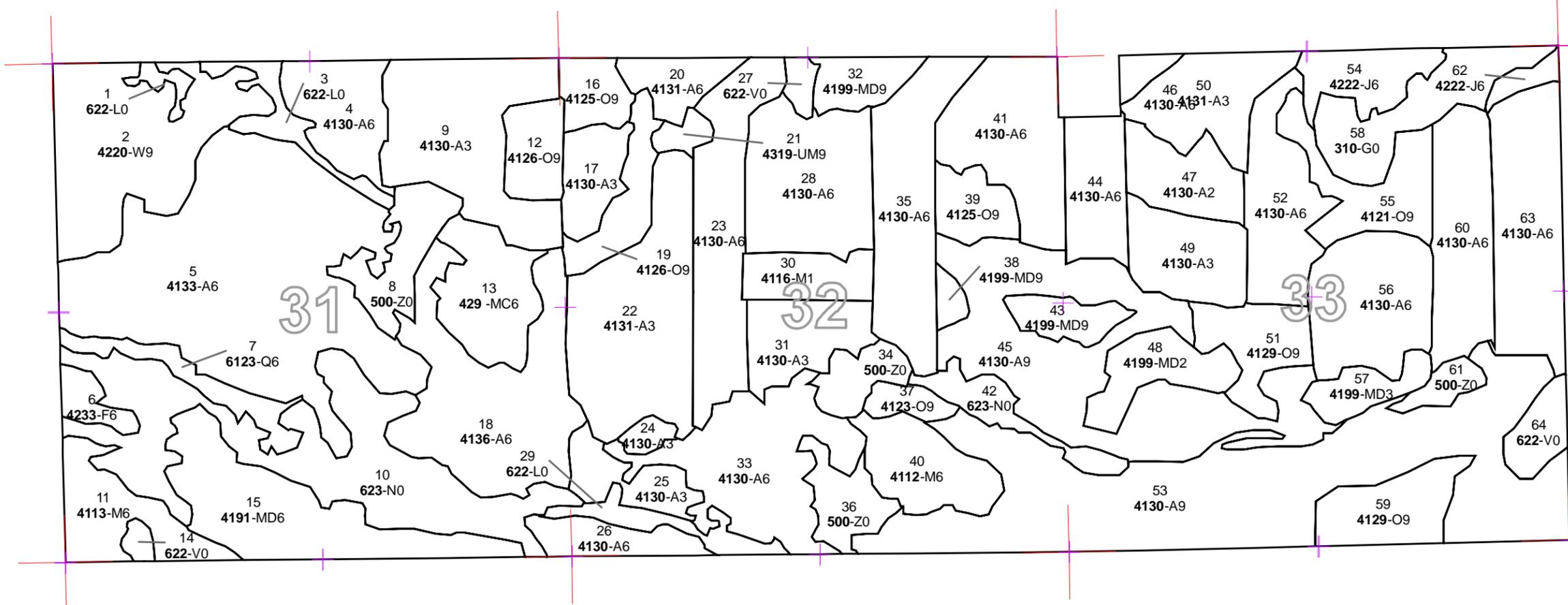


Table 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	98	374	142	318	266	0	0	0	0	0	0	0	0	26	1223
Bog	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Jack Pine	0	0	0	0	4	0	18	0	0	0	0	0	0	0	22
Lowland Conifers	0	0	0	0	0	0	14	0	0	0	0	0	0	0	14
Lowland Shrub	26	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Marsh	104	0	0	0	0	0	0	0	0	0	0	0	0	0	104
Mixed Upland Deciduous	32	0	0	0	0	0	53	12	0	15	0	0	0	0	111
Northern Hardwood	16	0	0	0	26	0	26	0	0	0	0	0	0	0	67
Oak	0	0	0	0	21	0	0	26	0	20	66	0	0	0	134
Upland Conifers	0	0	0	0	0	0	0	30	0	0	0	0	0	0	30
Upland Mixed Forest	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Upland Spruce/Fir	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Water	54	0	0	0	0	0	0	0	0	0	0	0	0	0	54
White Pine	0	0	0	0	0	0	0	66	0	0	0	0	0	0	66
Total	378	374	142	318	324	0	111	139	0	35	66	0	0	26	1914



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2014

Compartment 090
Total Compartment Acres: 1914

Acres by Treatment Type

Commercial Harvest - 271	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	164	0	0	0	0	0		164
Mixed Upland Deciduous	12	0	0	0	0	0		12
Oak	80	0	0	0	14	0		95
Total	256	0	0	0	14	0		271



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12	71090012-Cut	14.4	4126 - White, Black, N. Pin Oak	High Density Log	100	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> Thin stand to promote oak sawtimber. Remove poor formed and suppressed trees. Protect and promote white pine during harvest. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
19	71090019-Cut	16.7	4126 - White, Black, N. Pin Oak	High Density Log	100	81-110	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Final harvest with reserves. Manage primarily for aspen. Leave scattered oak and all white pine for retention. Leave heavier oak retention in areas not expected to regenerate to aspen. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
32	71090032-Cut	12.2	4199 - Other Mixed Upland Deciduous	High Density Log	75	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> Final harvest and manage for aspen and oak. Leave red and white pine component and scattered oak for retention and visuals along Artesia Beach rd. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
39	71090039-Cut	13.6	4125 - Black, N. Pin Oak	High Density Log	90	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> Final harvest stand and manage for aspen. A mix of aspen, red maple and oak is acceptable regeneration. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
53	71090053-Cut	163.6	4130 - Aspen	High Density Log	49	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Final harvest stand and manage for aspen. A mix of aspen, red maple and oak is acceptable regeneration. Leave scattered healthy, large crowned oak as retention. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
55	71090055-Cut	26.4	4121 - Oak, Aspen	High Density Log	78	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> Final harvest and manage for aspen/oak. MO will be primarily aspen with some areas of oak. Leave white pine component and some scattered oak, especially white oak for retention. <u>Specs:</u>										
<u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
59	71090059-Cut	23.6	4129 - Mixed Oak	High Density Log	105	111-140	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> Final harvest stand and manage for aspen. Leave heavy retention of oak and some pine. Protect pine and oak understory during harvesting. <u>Specs:</u> Accept a mix of oak aspen and pine.										
<u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
Total Treatment Acreage Proposed:		270.5								

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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



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<u>Prescription</u> <u>Specs:</u>									
<u>Other</u> <u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
<u>Proposed</u> <u>Start Date:</u> #Error									

**Total Treatment
Acreage Proposed: 0**

Stand	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 090	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
2	42200 - Natural White Pine	High Density Log	66.5	75	81-110		Stand of sawtimber white pine with patches of younger aspen throughout. Some dense pockets of nice sawtimber white pine. Small bogs and wetlands throughout the stand.
4	4130 - Aspen	High Density Pole	25.2	39	51-80		
5	4133 - Aspen, Mixed Pine	High Density Pole	154.2	39	51-80		Stand of primarily quaking aspen mixed with white pine. Some small scattered bogs and q types especially on north end.
6	42330 - Upland Fir	High Density Pole	7.4	45	51-80		
7	6123 - Lowland Fir	High Density Pole	14.4	65	81-110		
9	4130 - Aspen	High Density Sapling	57.3	1			Aspen stand that was "cut out of entry" for age class distribution. Some scattered pine and balsam.
11	4113 - R.Maple, Conifer	High Density Pole	26.0	65	81-110		
12	4126 - White, Black, N. Pin Oak	High Density Log	14.4	100	81-110		Stand of mixed oak. Some decent quality sawtimber present in areas. Scattered white pine in understory.
13	429 - Mixed Upland Conifers	High Density Pole	29.8	75	51-80		
15	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	52.7	65			
16	4125 - Black, N. Pin Oak	High Density Log	11.6	100	51-80		Stand was thinned in past and now has thick aspen and maple understory. Reevaluate when understory is merchantable.
17	4130 - Aspen	High Density Sapling	15.6	17			
18	4136 - Aspen, Mixed Conifer	High Density Pole	70.0	39	81-110		
19	4126 - White, Black, N. Pin Oak	High Density Log	16.7	100	81-110		Narrow stand of older oak mixed with bigtooth aspen. Variable height white pine understory. Some areas with good amounts of advanced oak regen.
20	4131 - Aspen, Oak	High Density Pole	12.6	17			Young, just developing A6 with super canopy oak component.
21	4319 - Mixed Upland Forest	High Density Log	4.6	75	81-110		Some lowland areas
22	4131 - Aspen, Oak	High Density Sapling	65.9	17			Some areas of good stump sprout oak regen.



S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 090	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
23	4130 - Aspen	High Density Pole	47.3	28	81-110		Young A6
24	4130 - Aspen	High Density Sapling	3.7	3			
25	4130 - Aspen	High Density Sapling	15.4	3			
26	4130 - Aspen	High Density Pole	13.9	39			
28	4130 - Aspen	High Density Pole	47.0	17	1-50		
30	4116 - Mixed N. Hardwood - Aspen	Low Density Sapling	15.7	2			Failed oak clearcut. Heavy browse on red maple. Low stocking on west 1/2-2/3 of stand due to failed oak regeneration and browse. East 1/3 is aspen
31	4130 - Aspen	High Density Sapling	23.0	17	1-50		
32	4199 - Other Mixed Upland Deciduous	High Density Log	12.2	75	81-110		Stand of overmature black oak and aspen. Some scattered pine . Most jack pine is on western edge along the bog. Areas of good oak regen.
33	4130 - Aspen	High Density Pole	54.8	39			Appears to be some wet swales throughout stand. Appears younger than the previous inventory of 1973. Old sale data has disappeared. cant confirm y.o.o.
35	4130 - Aspen	High Density Pole	48.6	18	1-50		Low quality quaking aspen on south end.
37	4123 - Red Oak	High Density Log	6.6	90	81-110		Small stand of red oak mixed with red maple, and a few aspen. Good mast production area.
38	4199 - Other Mixed Upland Deciduous	High Density Log	3.7	90	51-80		Small stand of red oak on north facing hill.
39	4125 - Black, N. Pin Oak	High Density Log	13.6	90	81-110		Stand of very low quality pin/black oak. Some scattered mixed aspen also in decline. Heavy cherry and maple understory.
40	4112 - Maple, Beech, Cherry Association	High Density Pole	25.6	49	51-80		Stand of balsam fir and red maple. Scattered old rotten aspen. Some younger age class of aspen. Heavy balsam fir undestory, good wildlife cover.
41	4130 - Aspen	High Density Pole	42.9	17	1-50		Aspen stand just entering pole timber size
43	4199 - Other Mixed Upland Deciduous	High Density Log	10.9	90	81-110		Small stand of hardwood and oak. Some large high quality red oak.



S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 090	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
44	4130 - Aspen	High Density Pole	22.8	28	81-110		
45	4130 - Aspen	High Density Log	97.7	49	81-110		Large quaking aspen stand. Some oak and maple mixed in. Some better quality soils in areas as evident of red oak and some hard maple. Hold till next entry before regenerating.
46	4130 - Aspen	High Density Pole	4.4	40	51-80		some scattered pine
47	4130 - Aspen	Medium Density	21.1	3			
48	4199 - Other Mixed Upland Deciduous	Medium Density	19.7	3			Oak regen failure. Stand contains some overstory mature white oak along with red maple stump sprouts and some aspen. Heavy browse on maple.
49	4130 - Aspen	High Density Sapling	26.2	Uneven Age			
50	4131 - Aspen, Oak	High Density Sapling	29.4	18			some areas of good stump sprout regen,
51	4129 - Mixed Oak	High Density Log	21.1	49	81-110		
52	4130 - Aspen	High Density Pole	33.7	28	81-110		Small 1 acre stand of plantation red pine pole timber on east side of trail.
53	4130 - Aspen	High Density Log	163.6	49	81-110		Large stand of mature mixed aspen. Scattered red and white oak. Some scattered pine. Some areas of balsam fir. Aspen ranges from quaking aspen to bigtooth aspen depending on soils and topography. Some red maple association mixed in of west end. Some recent beaver activity on north east side.
54	42220 - Natural Jack Pine	High Density Pole	17.8	60	81-110		Some areas appear to be 2 aged, oldest being 60-65 yrs. Hold till next entry.
55	4121 - Oak, Aspen	High Density Log	26.4	78	81-110		Old low quality black oak in decline mixed with bigtooth aspen. Some older jack pine. Scattered variable height white pine in understory. Some areas of good oak regen. Heavier white pine on south end. More bigtooth component on west arm.
56	4130 - Aspen	High Density Pole	40.5	17	51-80		Aspen stand in transition from sapling to pole timber.
57	4199 - Other Mixed Upland Deciduous	High Density Sapling	11.9	3			Failed oak regen attempt. Heavy browse on maple stump sprouts. Mature white oak left after harvest
59	4129 - Mixed Oak	High Density Log	23.6	105	111-140		Stand of lower quality red oak, black oak and white oak. Bigtooth aspen scattered evenly about. Some white pine and oak in understory. Some scattered larger red and white pine.



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Roscommon Mgt. Unit

5 – Forested Stands

Compartment: 090
Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4130 - Aspen	High Density Pole	38.1	28	81-110	
62	42220 - Natural Jack Pine	High Density Pole	4.5	45	51-80	
63	4130 - Aspen	High Density Pole	48.3	18	1-50	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	6229 - Mixed lowland shrub	3.4	No	Unspecified	
3	6229 - Mixed lowland shrub	11.6	No	Unspecified	
8	50 - Water	20.6	No	Unspecified	
10	6239 - Mixed Emergent Wetland	90.3	No	Unspecified	
14	6225 - Bog	2.7	No	Unspecified	
27	6225 - Bog	4.0	No	Unspecified	
29	6229 - Mixed lowland shrub	11.4	N/A	Unspecified	
34	50 - Water	11.8	No	Unspecified	
36	50 - Water	14.7	No	Unspecified	
42	6239 - Mixed Emergent Wetland	13.9	No	Unspecified	
58	3102 - Grass	31.0	No	Unspecified	
61	50 - Water	6.5	No	Unspecified	
64	6225 - Bog	10.8	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
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