



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 167    ENTRY YEAR: 2014**

**Compartment Acreage: 1261    County: Roscommon**

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

**Stand Examiner:** Ben Wiese

**Legal Description:** T21N R03W sections 25 and 26

**Management Area:** Upper Muskegon

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

**Soil and Topography:** Topography is relatively flat in the west and hilly in the east. Upland soils include Graycalm, Grayling, Klacking, Rubicon and Otisco sands. Lowland soils include Au Gres and Tawas muck. The geomorphology is glacial outwash and ice contact sand and gravel.

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

**Unique, Natural Features:** Kirtland's warbler habitat in north part of compartment.

**Archeological, Historical, and Cultural Features:** No known archaeological sites. Potential for prehistoric sites is low 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 and various forest roads located along most quarter-quarter lines.

**Survey Needs:** None at this time

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

**Fire Protection:** Cover types include red pine, jack pine, mixed conifer, oak and mixed upland types. The wildfire risk is 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**



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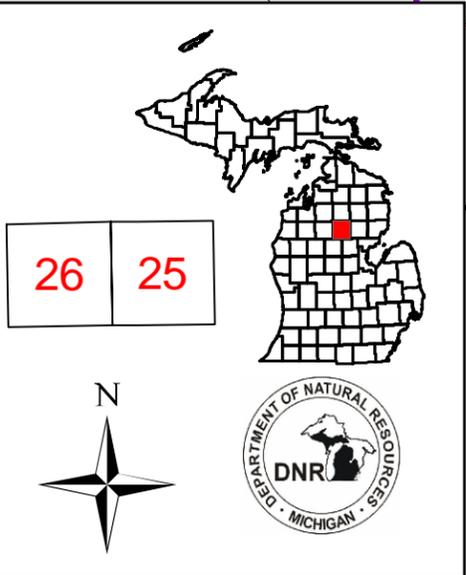
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- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand numbers, cover types**
  - ◆ **Proposed treatments**
  - ◆ **Proposed road access system**
  - ◆ **Suggested potential old growth**

# Cover Type & Treatment Map

Compartment: 167  
 T21N R03W Sec. 25, 26  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2014  
 Acres: 1,261 GIS Calculated  
 Examiner: Ben Wiese  
 Map Revised: 08/10/2012  
 Map Phase: Pre-Review



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

### Legend

- Miris Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- ORV Trails
- Snowmobile Trails
- ORV Trails
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

### Treatments

- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Mowing

### Forest Stands

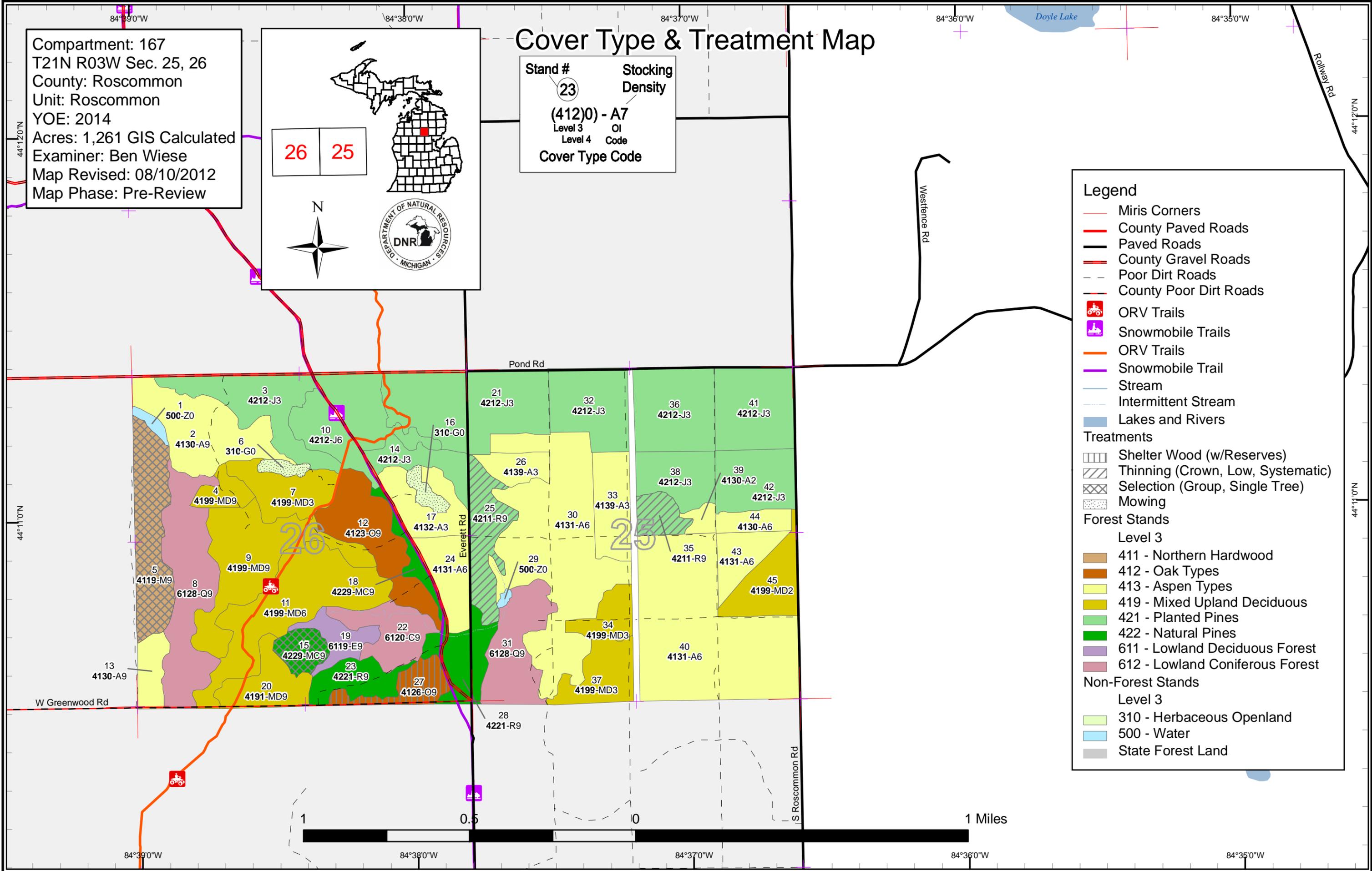
Level 3

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

### Non-Forest Stands

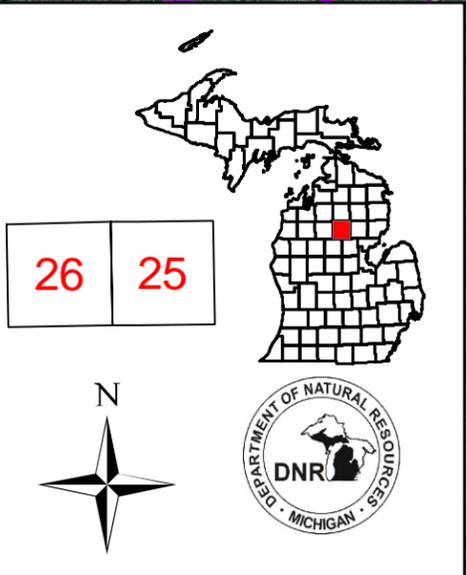
Level 3

- 310 - Herbaceous Openland
- 500 - Water
- State Forest Land



# Stand Boundary Map

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- ORV Trails
- Snowmobile Trail
- Stream
- Intermittent Stream
- Stand Boundaries

### Forest Stands

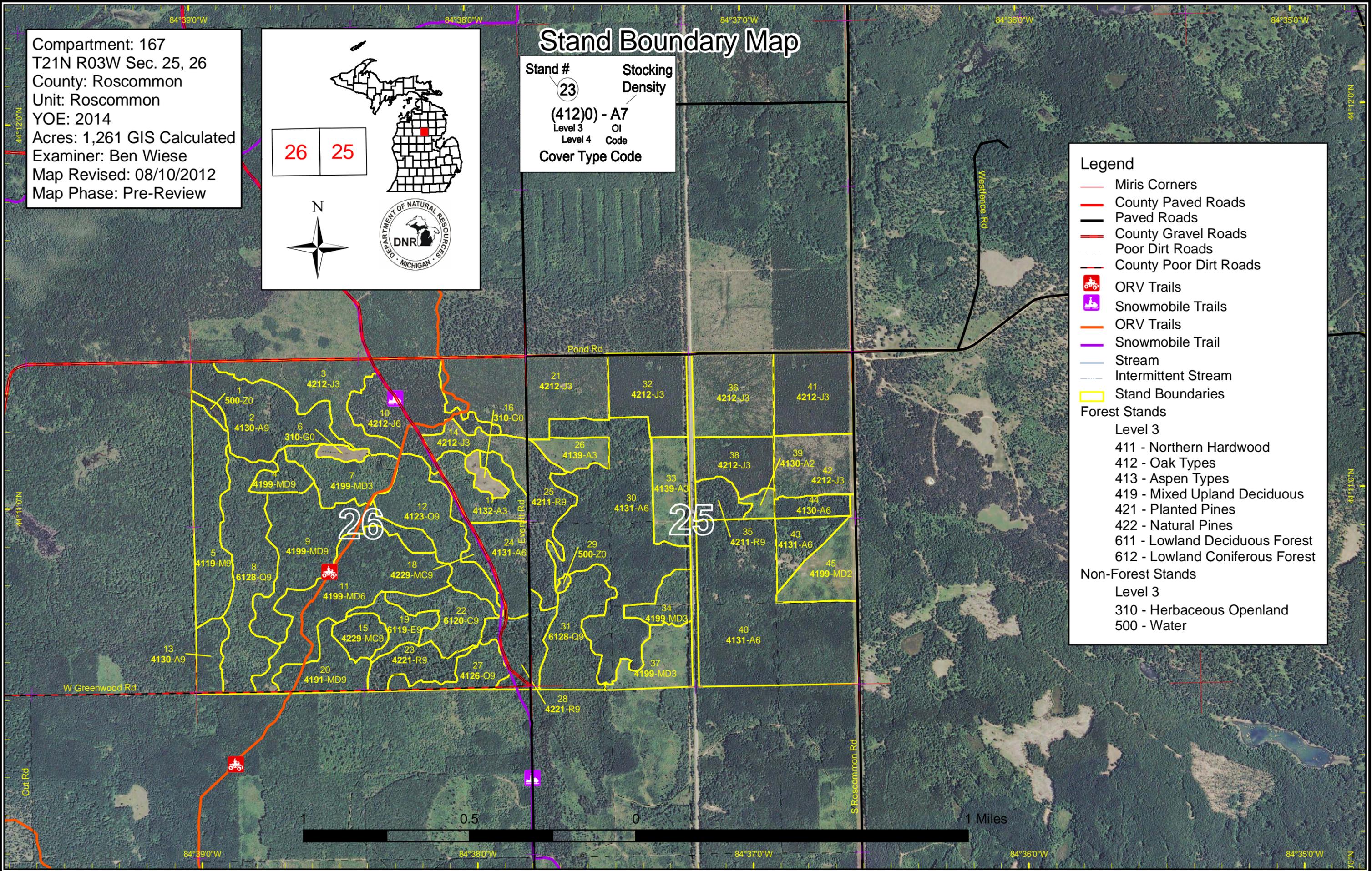
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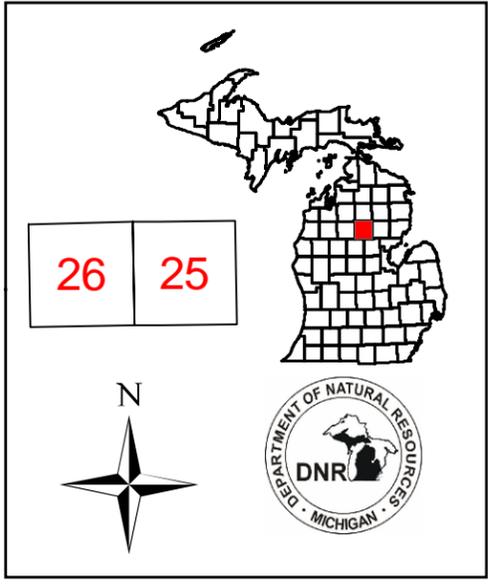
Level 3

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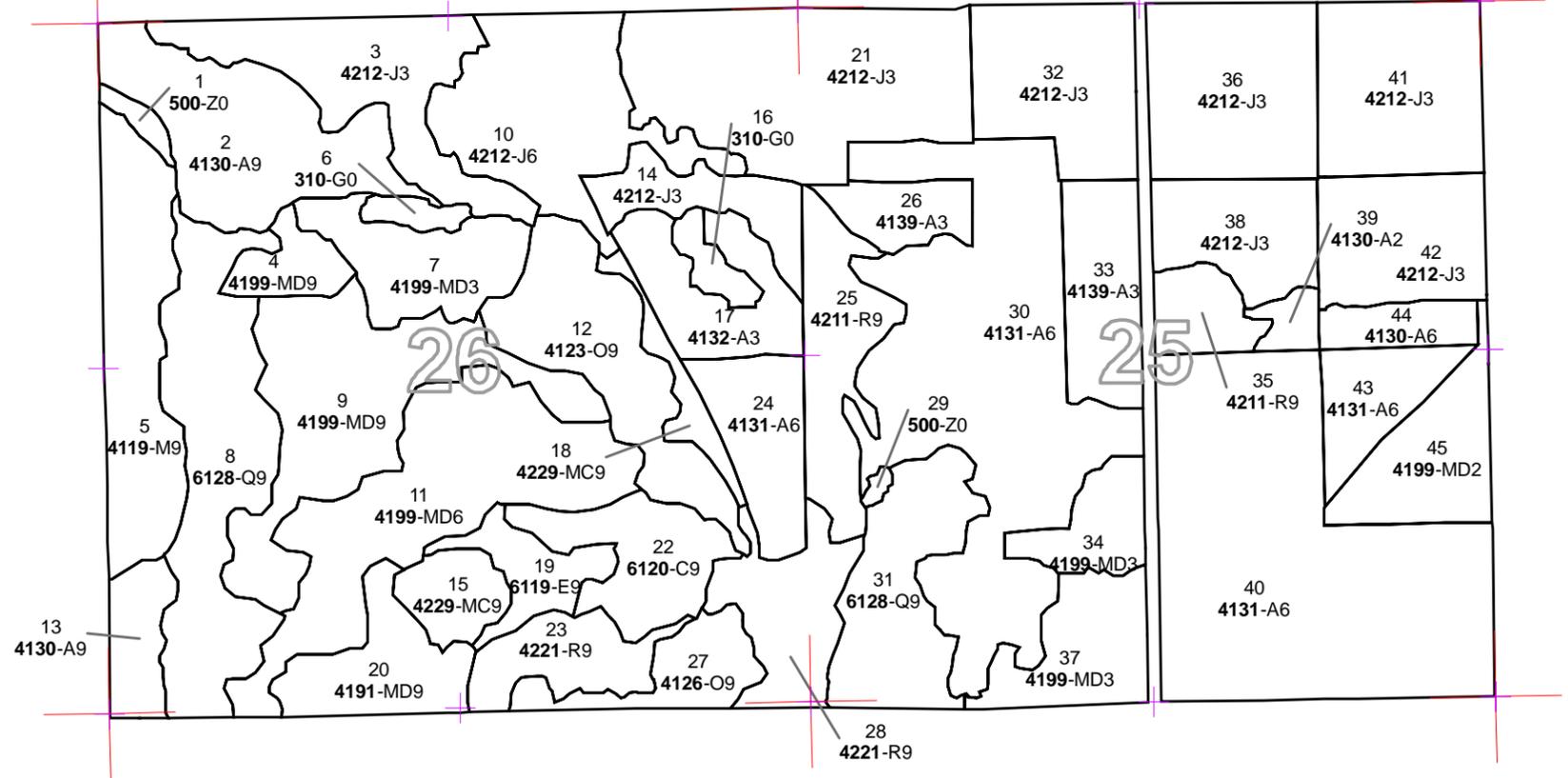
# Dedicated & Proposed Special Conservation Area Map

Compartment: 167  
 T21N R03W Sec. 25, 26  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2014  
 Acres: 1,261 GIS Calculated  
 Examiner: Ben Wiese  
 Map Revised: 08/10/2012  
 Map Phase: Pre-Review



**Stand #**  
 23  
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 (4120) - A7  
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- Legend**
- Miris Corners
  - Stand Boundaries
  - Forest Stands**
  - Level 3
    - 411 - Northern Hardwood
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  - Non-Forest Stands**
  - Level 3
    - 310 - Herbaceous Openland
    - 500 - Water



84°39'0"W 84°38'0"W 84°37'0"W 84°36'0"W 84°35'0"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 +		Uneven Age
Aspen	38	0	16	146	185	0	0	0	0	0	0	0	0	0	385
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	23	0	23
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	186	94	0	0	46	0	0	0	0	0	0	0	0	325
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	54	33	0	87
Lowland Deciduous	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12
Mixed Upland Deciduous	45	13	0	24	61	54	0	0	0	0	9	21	0	0	228
Natural Mixed Pines	0	0	0	0	0	0	0	0	7	0	0	0	11	0	18
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	39	0	0	0	39
Oak	0	0	0	0	0	0	0	0	38	0	0	15	0	0	53
Red Pine	0	0	0	0	0	0	0	37	0	0	0	41	0	0	78
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>96</b>	<b>199</b>	<b>109</b>	<b>170</b>	<b>246</b>	<b>100</b>	<b>0</b>	<b>50</b>	<b>45</b>	<b>0</b>	<b>48</b>	<b>131</b>	<b>67</b>	<b>0</b>	<b>1261</b>



## Table 2 – Proposed Treatment Summaries

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

**Compartment 167**  
**Total Compartment Acres: 1261**

### Acres by Treatment Type

Commercial Harvest - 103	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 9	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Natural Mixed Pines</b>	0	11	0	0	0	0	0	11
<b>Northern Hardwood</b>	0	39	0	0	0	0	0	39
<b>Oak</b>	0	0	0	15	0	0	0	15
<b>Red Pine</b>	0	0	0	0	37	0	0	37
<b>Total</b>	0	50	0	15	37	0	0	103



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	71167005-Cut	39.5	4119 - Mixed Northern Hardwoods	High Density Log	106	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Continue uneven-aged management. Thin to 70-90 BA, harvest through all diameter classes by cutting the suppressed and poorest quality trees first. Remove merchantable white ash especially if EAB is present. <u>Specs:</u> <u>Other</u> Manage with adjacent stand in the compartment to the west. <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
15	71167015-Cut	10.8	42290 - Natural Mixed Pine	High Density Log	133	141-170	Harvest	Single Tree Selection	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Single tree selection for uneven aged management. Open the crown to allow for continued growth of dominant trees. Remove suppressed and poor quality trees. Allow for the regeneration of the understory. <u>Specs:</u> <u>Other</u> Make sure damaged specs. are sufficient to protect the residual stand. <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
25	71167025-Cut	26.6	42110 - Planted Red Pine	High Density Log	74	111-140	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Low thinning to residual BA 80-100 Leave the best formed quality trees, remove suppressed and poor quality trees first. Keep residual spacing appropriate to continue diameter growth. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
27	71167027-Cut	15.1	4126 - White, Black, N. Pin Oak	High Density Log	110	81-110	Harvest	Shelterwood	4126 - White, Black, N. Pin Oak	Cmpt. Review Proposal
<u>Prescription</u> Shelterwood with a BA range of 10-30 to promote the white pine understory and regenerate some oak and to leave a good source of mast. <u>Specs:</u> Leave the best formed healthiest trees. <u>Other</u> A large portion of the white pine understory is expected to be damaged, due to the prolific seed source white pine should come back in. A mixed oak and pine stand will be the preferred future condition. <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
35	71167035-Cut	10.6	42110 - Planted Red Pine	High Density Log	74	141-170	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin from below to a residual basal area of 80-100, manage for sawlogs and possible utility poles. Leave the best dominant red pine and red oak. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										

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



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	NF_71167006- NonFor	3.8	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
<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> Unspecified										
16	NF_71167016- NonFor	5.1	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
<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> Unspecified										
<b>Total Treatment Acreage Proposed:</b>		<b>111.4</b>								

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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**  
**Acreage 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**

S t a n d	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 167 Year of Entry: 2014	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		
2	4130 - Aspen	High Density Log	44.4	48	81-110	Quaking aspen with jack pine and trace white pine in canopy. Density is variable.	
3	42120 - Planted Jack Pine	High Density Sapling	37.0	16		Planted to jack pine in 1996.	
4	4199 - Other Mixed Upland Deciduous	High Density Log	9.0	102	51-80	Healthy red oak, aspen senescing. Understory dense in places with traces of beech.	
5	4119 - Mixed Northern Hardwoods	High Density Log	39.5	106	111-140	Stand was thinned in 1994. Very nice large red oakl, decent quality sugar maple. Low percentage is white ash that appears to have EAB.	
7	4199 - Other Mixed Upland Deciduous	High Density Sapling	23.7	30		Stand was regenerated 30 years ago. Species distribution is uneven.	
8	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	54.2	112		Dense areas of balsam fir and white pine in understory. Super canopy white and red pine. More cedar to the west part of stand. Stand is uneven aged.	
9	4199 - Other Mixed Upland Deciduous	High Density Log	54.1	50	111-140	Nice mixed upland hardwoods. Entering log class, two-aged.	
10	42120 - Planted Jack Pine	High Density Pole	45.7	58	81-110	Red pine is located exclusively in the southwest part of the stand.	
11	4199 - Other Mixed Upland Deciduous	High Density Pole	61.2	43	51-80	Looks like the previous harvest was a seedtree/shelterwood as there are scattered super canopy oaks.	
12	4123 - Red Oak	High Density Log	37.6	87	81-110	Stand is healthy red oak with decent quality logs. Red maple and aspen were cut in the past just now reaching pole size.	
13	4130 - Aspen	High Density Log	11.4	47	111-140	Bigtooth aspen stand entering log size. Trace red pine, white pine, and white ash.	
14	42120 - Planted Jack Pine	High Density Sapling	15.9	16		Planted in 1996.	
15	42290 - Natural Mixed Pine	High Density Log	10.8	133	141-170	Unique stand, likely old growth. Red and white pine up to 10-12 sticks. 20+ dbh red oak. Understory is mostly white pine in the east and red maple in the west.	
17	4132 - Aspen, Jack Pine	High Density Sapling	22.1	34		Species composition and density is variable.	
18	42290 - Natural Mixed Pine	High Density Log	7.3	83		Planted white pine, red pine and jack pine in 1929.	
19	6119 - Mixed Lowland Deciduous Forest	High Density Log	12.4	74	51-80	Pockets of cedar, trace beechin the understory. Uneven aged stand.	





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	4191 - Mixed Upland Deciduous with Conifer	High Density Log	21.2	110	81-110	Nice site for red maple, oak and pine.
21	42120 - Planted Jack Pine	High Density Sapling	65.3	16		Planted to jack pine in 1996.
22	6120 - Lowland Cedar	High Density Log	23.1	161	81-110	
23	42210 - Natural Red Pine	High Density Log	17.1	112	51-80	Natural red pine stand, unique. Harvested in 1994 by removing all aspen, red maple, birch, oak and jack pine which contain at least one 100" pulp stick. Stand may have been pruned in 1966. Also cut red and white pine marked with orange paint. Dense understory. Stand may have been pruned in 1966.
24	4131 - Aspen, Oak	High Density Pole	20.6	42		
25	42110 - Planted Red Pine	High Density Log	26.6	74	111-140	Harvested in 1994 by removing all aspen, red maple, birch, oak and jack pine which contain at least one 100" pulp stick. Also cut red and white pine marked with orange paint. Nice stand good quality sawlogs.
26	4139 - Aspen, Mixed Deciduous	High Density Sapling	11.2	6		Stand was clearcut in 2006, part of Block 1151 timber sale. Oak regeneration from stump sprouts, also single stem saplings less than 3'.
27	4126 - White, Black, N. Pin Oak	High Density Log	15.1	110	81-110	Oak stand with white pine understory. Lots of coarse woody debris from white pine pole mortality. Dense white pine understory.
28	42210 - Natural Red Pine	High Density Log	23.4	119	81-110	Harvested in 1994 by removing all aspen, red maple, birch, oak and jack pine which contain at least one 100" pulp stick. Also cut red and white pine marked with orange paint. Dense understory, red maple from sprouts and single stem. Snowmobile trail runs through stand.
30	4131 - Aspen, Oak	High Density Pole	108.2	43		
31	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	33.2	120	81-110	Trace beech and birch. Species composition and density is variable.
32	42120 - Planted Jack Pine	High Density Sapling	33.4	26		Planted to jack pine in 1986.
33	4139 - Aspen, Mixed Deciduous	High Density Sapling	22.6	6		Stand was clearcut in 2006, part of Block 1151 timber sale.
34	4199 - Other Mixed Upland Deciduous	High Density Sapling	13.1	18		Harvested in 1994 by cutting all trees with one pulpwood stick.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	42110 - Planted Red Pine	High Density Log	10.6	74	141-170	Nice red pine stand, should be thinned to continue the good growth rate. Some nice dominant red oak. May be potential to manage for utility poles and cabin logs. Good sale for breakup.
36	42120 - Planted Jack Pine	High Density Sapling	39.3	16		Planted in 1996. In most areas the red pine is codominant.
37	4199 - Other Mixed Upland Deciduous	High Density Sapling	21.6	6		Stand was cleacut in 2006, part of Block 1151 timber sale. Regeneration is good
38	42120 - Planted Jack Pine	High Density Sapling	22.6	26		Planted to jack pine in 1986.
39	4130 - Aspen	Medium Density	4.5	6		Stand was cleacut in 2006, part of Block 1151 timber sale.
40	4131 - Aspen, Oak	High Density Pole	114.7	39	81-110	Even aged stand with poor quality oak on the hilltops. Oak and maple are mostly from stump sprouts. Trace white birch.
41	42120 - Planted Jack Pine	High Density Sapling	37.6	26		Planted to jack pine in 1986.
42	42120 - Planted Jack Pine	High Density Sapling	28.3	16		Planted to red pine in 1996.
43	4131 - Aspen, Oak	High Density Pole	15.7	24		Oak on the hilltops to the south mostly stump sprouts.
44	4130 - Aspen	High Density Pole	9.3	39		Trace paper birch.
45	4199 - Other Mixed Upland Deciduous	Medium Density	23.8	6		Stand was cleacut in 2006, part of Block 1151 timber sale. Scattered oak stump sprouts growing vigorously. Single stem oak saplings less than 3' tall, thick in some places. Some open areas with scattered stump sprout oak. Patches of aspen clones. Red maple mostly mixed in with aspen but also in small groups.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	50 - Water	2.7	No	Unspecified	
6	3102 - Grass	3.8	Yes	Unspecified	Wildlife opening.
16	3102 - Grass	5.1	Yes	Unspecified	
29	50 - Water	1.0	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
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### 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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**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	38	0	16	146	185	0	0	0	0	0	0	0	0	0	385
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	23	0	23
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	186	94	0	0	46	0	0	0	0	0	0	0	0	325
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	54	33	0	87
Lowland Deciduous	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12
Mixed Upland Deciduous	45	13	0	24	61	54	0	0	0	0	9	21	0	0	228
Natural Mixed Pines	0	0	0	0	0	0	0	0	7	0	0	0	11	0	18
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	39	0	0	0	39
Oak	0	0	0	0	0	0	0	0	38	0	0	15	0	0	53
Red Pine	0	0	0	0	0	0	0	37	0	0	0	41	0	0	78
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>96</b>	<b>199</b>	<b>109</b>	<b>170</b>	<b>246</b>	<b>100</b>	<b>0</b>	<b>50</b>	<b>45</b>	<b>0</b>	<b>48</b>	<b>131</b>	<b>67</b>	<b>0</b>	<b>1261</b>



## Table 2 – Proposed Treatment Summaries

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

**Compartment 167**  
**Total Compartment Acres: 1261**

### Acres by Treatment Type

Commercial Harvest - 103	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 9	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Natural Mixed Pines</b>	0	11	0	0	0	0	0	11
<b>Northern Hardwood</b>	0	39	0	0	0	0	0	39
<b>Oak</b>	0	0	0	15	0	0	0	15
<b>Red Pine</b>	0	0	0	0	37	0	0	37
<b>Total</b>	0	50	0	15	37	0	0	103



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	71167005-Cut	39.5	4119 - Mixed Northern Hardwoods	High Density Log	106	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Continue uneven-aged management. Thin to 70-90 BA, harvest through all diameter classes by cutting the suppressed and poorest quality trees first. Remove merchantable white ash especially if EAB is present. <u>Specs:</u> <u>Other</u> Manage with adjacent stand in the compartment to the west. <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
15	71167015-Cut	10.8	42290 - Natural Mixed Pine	High Density Log	133	141-170	Harvest	Single Tree Selection	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Single tree selection for uneven aged management. Open the crown to allow for continued growth of dominant trees. Remove suppressed and poor quality trees. Allow for the regeneration of the understory. <u>Specs:</u> <u>Other</u> Make sure damaged specs. are sufficient to protect the residual stand. <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
25	71167025-Cut	26.6	42110 - Planted Red Pine	High Density Log	74	111-140	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Low thinning to residual BA 80-100 Leave the best formed quality trees, remove suppressed and poor quality trees first. Keep residual spacing appropriate to continue diameter growth. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
27	71167027-Cut	15.1	4126 - White, Black, N. Pin Oak	High Density Log	110	81-110	Harvest	Shelterwood	4126 - White, Black, N. Pin Oak	Cmpt. Review Proposal
<u>Prescription</u> Shelterwood with a BA range of 10-30 to promote the white pine understory and regenerate some oak and to leave a good source of mast. <u>Specs:</u> Leave the best formed healthiest trees. <u>Other</u> A large portion of the white pine understory is expected to be damaged, due to the prolific seed source white pine should come back in. A mixed oak and pine stand will be the preferred future condition. <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
35	71167035-Cut	10.6	42110 - Planted Red Pine	High Density Log	74	141-170	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin from below to a residual basal area of 80-100, manage for sawlogs and possible utility poles. Leave the best dominant red pine and red oak. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										

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



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	NF_71167006- NonFor	3.8	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
<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> Unspecified										
16	NF_71167016- NonFor	5.1	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
<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> Unspecified										
<b>Total Treatment Acreage Proposed:</b>		<b>111.4</b>								

Table 4 -- Treatments Prescribed with  
a Limiting FactorS  
t  
a  
n  
d

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**  
**Acreage 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									

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**Total Treatment  
Acreage Proposed: 0**



Stand	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 167 Year of Entry: 2014	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
2	4130 - Aspen	High Density Log	44.4	48	81-110	Quaking aspen with jack pine and trace white pine in canopy. Density is variable.	
3	42120 - Planted Jack Pine	High Density Sapling	37.0	16		Planted to jack pine in 1996.	
4	4199 - Other Mixed Upland Deciduous	High Density Log	9.0	102	51-80	Healthy red oak, aspen senescing. Understory dense in places with traces of beech.	
5	4119 - Mixed Northern Hardwoods	High Density Log	39.5	106	111-140	Stand was thinned in 1994. Very nice large red oak, decent quality sugar maple. Low percentage is white ash that appears to have EAB.	
7	4199 - Other Mixed Upland Deciduous	High Density Sapling	23.7	30		Stand was regenerated 30 years ago. Species distribution is uneven.	
8	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	54.2	112		Dense areas of balsam fir and white pine in understory. Super canopy white and red pine. More cedar to the west part of stand. Stand is uneven aged.	
9	4199 - Other Mixed Upland Deciduous	High Density Log	54.1	50	111-140	Nice mixed upland hardwoods. Entering log class, two-aged.	
10	42120 - Planted Jack Pine	High Density Pole	45.7	58	81-110	Red pine is located exclusively in the southwest part of the stand.	
11	4199 - Other Mixed Upland Deciduous	High Density Pole	61.2	43	51-80	Looks like the previous harvest was a seedtree/shelterwood as there are scattered super canopy oaks.	
12	4123 - Red Oak	High Density Log	37.6	87	81-110	Stand is healthy red oak with decent quality logs. Red maple and aspen were cut in the past just now reaching pole size.	
13	4130 - Aspen	High Density Log	11.4	47	111-140	Bigtooth aspen stand entering log size. Trace red pine, white pine, and white ash.	
14	42120 - Planted Jack Pine	High Density Sapling	15.9	16		Planted in 1996.	
15	42290 - Natural Mixed Pine	High Density Log	10.8	133	141-170	Unique stand, likely old growth. Red and white pine up to 10-12 sticks. 20+ dbh red oak. Understory is mostly white pine in the east and red maple in the west.	
17	4132 - Aspen, Jack Pine	High Density Sapling	22.1	34		Species composition and density is variable.	
18	42290 - Natural Mixed Pine	High Density Log	7.3	83		Planted white pine, red pine and jack pine in 1929.	
19	6119 - Mixed Lowland Deciduous Forest	High Density Log	12.4	74	51-80	Pockets of cedar, trace beech in the understory. Uneven aged stand.	

Stand	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 167	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
20	4191 - Mixed Upland Deciduous with Conifer	High Density Log	21.2	110	81-110		Nice site for red maple, oak and pine.
21	42120 - Planted Jack Pine	High Density Sapling	65.3	16			Planted to jack pine in 1996.
22	6120 - Lowland Cedar	High Density Log	23.1	161	81-110		
23	42210 - Natural Red Pine	High Density Log	17.1	112	51-80		Natural red pine stand, unique. Harvested in 1994 by removing all aspen, red maple, birch, oak and jack pine which contain at least one 100" pulp stick. Stand may have been pruned in 1966. Also cut red and white pine marked with orange paint. Dense understory. Stand may have been pruned in 1966.
24	4131 - Aspen, Oak	High Density Pole	20.6	42			
25	42110 - Planted Red Pine	High Density Log	26.6	74	111-140		Harvested in 1994 by removing all aspen, red maple, birch, oak and jack pine which contain at least one 100" pulp stick. Also cut red and white pine marked with orange paint. Nice stand good quality sawlogs.
26	4139 - Aspen, Mixed Deciduous	High Density Sapling	11.2	6			Stand was clearcut in 2006, part of Block 1151 timber sale. Oak regeneration from stump sprouts, also single stem saplings less than 3'.
27	4126 - White, Black, N. Pin Oak	High Density Log	15.1	110	81-110		Oak stand with white pine understory. Lots of coarse woody debris from white pine pole mortality. Dense white pine understory.
28	42210 - Natural Red Pine	High Density Log	23.4	119	81-110		Harvested in 1994 by removing all aspen, red maple, birch, oak and jack pine which contain at least one 100" pulp stick. Also cut red and white pine marked with orange paint. Dense understory, red maple from sprouts and single stem. Snowmobile trail runs through stand.
30	4131 - Aspen, Oak	High Density Pole	108.2	43			
31	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	33.2	120	81-110		Trace beech and birch. Species composition and density is variable.
32	42120 - Planted Jack Pine	High Density Sapling	33.4	26			Planted to jack pine in 1986.
33	4139 - Aspen, Mixed Deciduous	High Density Sapling	22.6	6			Stand was clearcut in 2006, part of Block 1151 timber sale.
34	4199 - Other Mixed Upland Deciduous	High Density Sapling	13.1	18			Harvested in 1994 by cutting all trees with one pulpwood stick.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	42110 - Planted Red Pine	High Density Log	10.6	74	141-170	Nice red pine stand, should be thinned to continue the good growth rate. Some nice dominant red oak. May be potential to manage for utility poles and cabin logs. Good sale for breakup.
36	42120 - Planted Jack Pine	High Density Sapling	39.3	16		Planted in 1996. In most areas the red pine is codominant.
37	4199 - Other Mixed Upland Deciduous	High Density Sapling	21.6	6		Stand was cleacut in 2006, part of Block 1151 timber sale. Regeneration is good
38	42120 - Planted Jack Pine	High Density Sapling	22.6	26		Planted to jack pine in 1986.
39	4130 - Aspen	Medium Density	4.5	6		Stand was cleacut in 2006, part of Block 1151 timber sale.
40	4131 - Aspen, Oak	High Density Pole	114.7	39	81-110	Even aged stand with poor quality oak on the hilltops. Oak and maple are mostly from stump sprouts. Trace white birch.
41	42120 - Planted Jack Pine	High Density Sapling	37.6	26		Planted to jack pine in 1986.
42	42120 - Planted Jack Pine	High Density Sapling	28.3	16		Planted to red pine in 1996.
43	4131 - Aspen, Oak	High Density Pole	15.7	24		Oak on the hilltops to the south mostly stump sprouts.
44	4130 - Aspen	High Density Pole	9.3	39		Trace paper birch.
45	4199 - Other Mixed Upland Deciduous	Medium Density	23.8	6		Stand was cleacut in 2006, part of Block 1151 timber sale. Scattered oak stump sprouts growing vigorously. Single stem oak saplings less than 3' tall, thick in some places. Some open areas with scattered stump sprout oak. Patches of aspen clones. Red maple mostly mixed in with aspen but also in small groups.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	50 - Water	2.7	No	Unspecified	
6	3102 - Grass	3.8	Yes	Unspecified	Wildlife opening.
16	3102 - Grass	5.1	Yes	Unspecified	
29	50 - Water	1.0	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

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