



# Compartment Review Presentation

## Roscommon Forest Management Unit

Compartment 128

Entry Year 2015

Acreage: 798

County Roscommon

Management Area: Ausable Outwash

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**Revision Date:** 08/05/2013

**Stand Examiner:** Jason Lewicki

**Legal Description:**

**Identified Planning 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:**

Upland soils consist of Gerrish-Grayling, Graycalm-Grayling, Klacking-Perecheney and Grayling sands. Topography is flat to gently rolling.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:**

There is private property scattered throughout the compartment and around the surrounding "Twin Lakes" area.

**Unique Natural Features:**

No Unique Natural Features known.

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

None known

**Watershed and Fisheries Considerations:**

This compartment lies within the Muskegeon River watershed.

**Wildlife Habitat Considerations:**

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

Sections 1 & 2, T24N-R1W, Roscommon County

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Mississippian Marshall Sandstone. The Marshall has been used as a building stone in the past. Most of the good gravel pits are associated with upland areas. The nearest gravel pit is located in Section 10 and potential appears to be good. St. Helen Field is located 1.5 miles to the southwest. 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 Compartment is currently leased.

**Vehicle Access:**

Vehicle access in this compartment is excellent due to high and dry ground along with a good county road and forest road system

**Survey Needs:**

None needed.

**Recreational Facilities and Opportunities:**

Multiple hunting opportunities occur within this compartment. The St. Helen ORV trail lies just to the east of the compartment boundary.

**Fire Protection:**

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

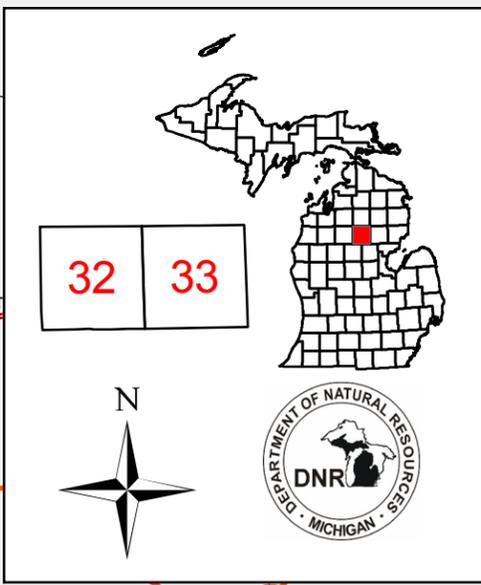
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

**The following information is displayed, where pertinent, on the attached compartment maps:**

- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatment Map

Compartment: 128  
 T22N R01W  
 Sections 32, 33  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2015  
 Acres: 798 GIS Calculated  
 Examiner: Jason Lewicki  
 Map Revised: 08/07/2013  
 Map Phase: Web Post



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

### Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Lakes and Rivers
- MCCCT Trail
- ORV Trail
- ORV Route
- MCCCT Trails
- ORV Trails
- ORV Routes

### Treatments

- Other Treatment - See Comments
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Clearcut (w/Reserves, Patch/Strip)

### Forest Stands

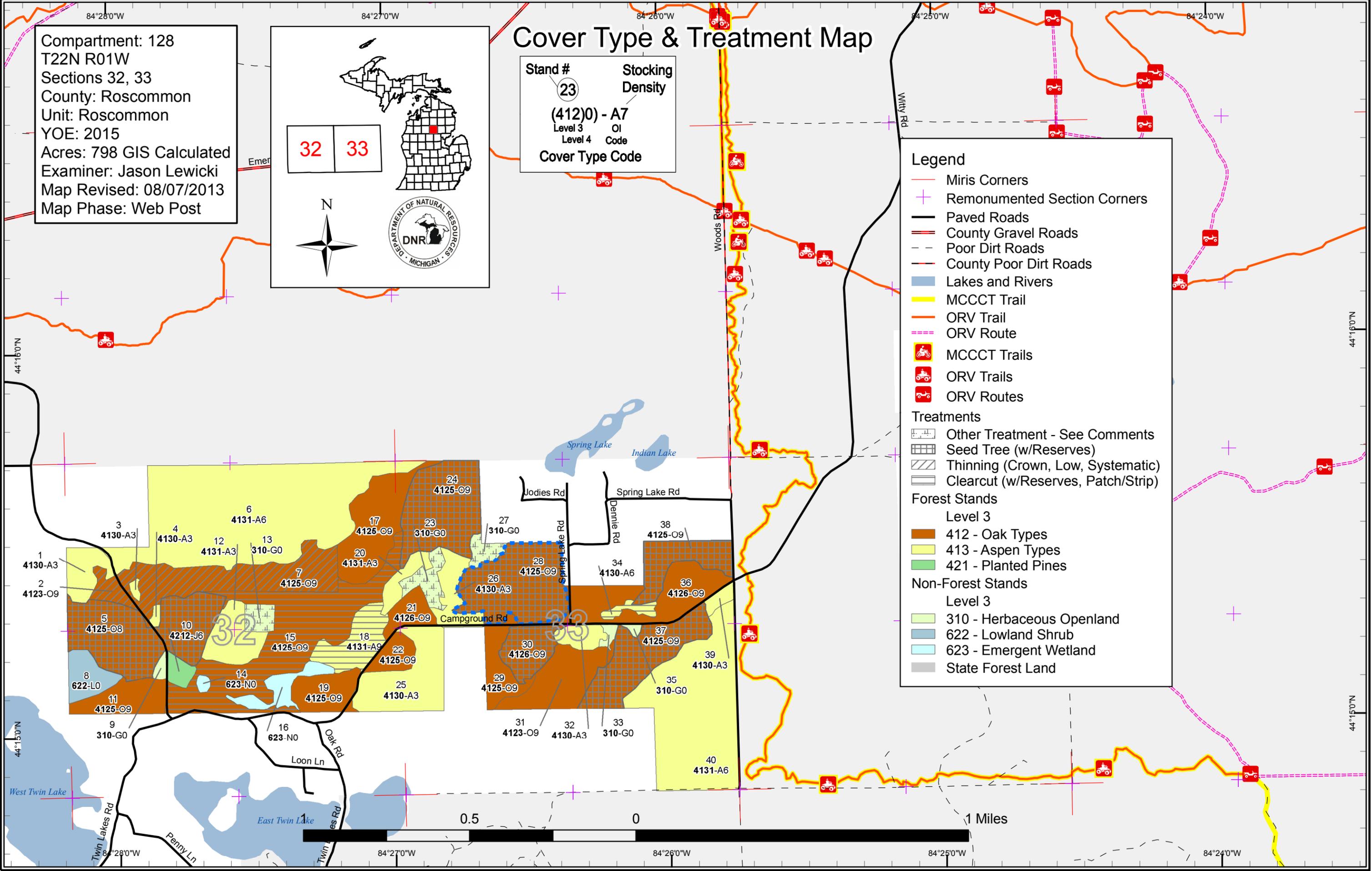
Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines

### Non-Forest Stands

Level 3

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







**Report 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	0	83	201	0	0	0	3	16	0	0	0	0	0	0	304
Herbaceous Openland	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Jack Pine	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Marsh	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Oak	0	0	0	0	0	0	0	0	0	0	450	0	0	0	450
<b>Total</b>	<b>40</b>	<b>83</b>	<b>205</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>450</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>798</b>



## Report 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit  
Year of Entry 2015

Compartment 128  
Total Compartment Acres: 798

### Acres by Treatment Type

Commercial Harvest - 286    Tree Planting - 0    Other - 0  
Habitat Cut - 0    Opening Maintenance - 16

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen Types</b>	19	0	0	0	0	0	0	19
<b>Oak Types</b>	68	0	152	0	46	0	0	266
<b>Total</b>	<b>88</b>	<b>0</b>	<b>152</b>	<b>0</b>	<b>46</b>	<b>0</b>	<b>0</b>	<b>286</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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#Type!

Prescription  
Specs:

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: #Type!

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**Total Treatment  
Acreage Proposed: 0**

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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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#Type!

PrescriptionSpecs:OtherComment:NextSteps:ProposedStart Date: #Type!Limiting Factor

<b>Total Treatment Acreage Proposed:</b>	<b>0</b>
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## Report 5 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment 128  
Year of Entry 2015

### Availability for Management

Total Acres		Acres		Dominant Site Conditions	
Acres	Available	Not Available	No	5C	
303	303		302	0	<b>Aspen</b>
4	4		4		<b>Jack Pine</b>
448	448		265	183	<b>Oak</b>
755	755		572	183	Total Forested Acres
	100%				Relative Percent

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15				
<b>Comments:</b>							
003	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14				
<b>Comments:</b>							
004	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16				
<b>Comments:</b>							

**Report 5 – Site Conditions**

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment 128  
Year of Entry 2015

005	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	31
Comments:			
006	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	75
Comments:			
007	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35
Comments:			



**Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
<b>Comments</b>				



**Report 7 – 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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.

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## Roscommon Mgt. Unit

## Report 8 – Forested Stands

Compartment: 128  
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Sapling	10.4	17		
2	4123 - Red Oak	High Density Log	5.7	100	81-110	Small stand of medium quality red oak with some white oak mixed in.
3	4130 - Aspen	High Density Sapling	0.9	17		
4	4130 - Aspen	High Density Sapling	1.1	17		
5	4125 - Black, N. Pin Oak	Medium Density Log	51.2	100	1-50	Stand was shelterwood cut in October 2011. Some oak stump sprouts but they are struggling to get above deer browse height. Cherry appears to be heavy.
6	4131 - Aspen, Oak	High Density Pole	123.6	25	51-80	Aspen stand with areas of nice red oak.
7	4125 - Black, N. Pin Oak	High Density Log	40.7	100	111-140	Stand of mixed oak that was thinned 2 entries ago. OAK varies in quality throughout the stand. Areas of heavy red maple in the understory. Some areas of lower quality oak have some advanced oak saplings in the understory. Mature oaks are at or over 100 years old. Overall health of the stand is good.
10	42120 - Planted Jack Pine	High Density Pole	4.1	26	1-50	Jack pine plantation with a few rows of red pine along its perimeter.
11	4125 - Black, N. Pin Oak	High Density Log	15.2	100	81-110	
12	4131 - Aspen, Oak	High Density Sapling	14.8	17		Some areas with a good oak component.
15	4125 - Black, N. Pin Oak	High Density Log	68.3	100	81-110	Stand of old, low to mid quality pin/black oak stand on Gerrish-Grayling sands. There is a few aspen clones along with scattered white oak present. Stand is 100+ years old and in decline.
17	4125 - Black, N. Pin Oak	High Density Log	30.0	100	111-140	
18	4131 - Aspen, Oak	High Density Log	16.4	70	81-110	Stand of old quaking aspen and black oak in decline. Aspen is showing signs of heart rot and decline.
19	4125 - Black, N. Pin Oak	High Density Log	13.8	100	81-110	
20	4131 - Aspen, Oak	High Density Sapling	6.3	17	1-50	Transitioning to A6
21	4126 - White, Black, N. Pin Oak	High Density Log	8.1	100	81-110	

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## Roscommon Mgt. Unit

## Report 8 – Forested Stands

Compartment: 128  
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	4125 - Black, N. Pin Oak	High Density Log	7.6	100	81-110	
24	4125 - Black, N. Pin Oak	High Density Log	37.6	100	81-110	Under Contract, "Twin Lakes Oak"
25	4130 - Aspen	High Density Sapling	29.5	17	1-50	Old notes indicate a wildfire in 1988.
26	4130 - Aspen	High Density Sapling	11.5	17		
28	4125 - Black, N. Pin Oak	High Density Log	40.8	100	81-110	Under contract, "Twin Lakes Oak".
29	4125 - Black, N. Pin Oak	High Density Log	12.7	100	81-110	
30	4126 - White, Black, N. Pin Oak	High Density Log	13.6	100	81-110	Stand is under contract "Twin Lakes Oak".
31	4123 - Red Oak	High Density Log	23.2	100	81-110	Ridge of better quality red and black oak than surrounding stands.
32	4130 - Aspen	High Density Sapling	6.0	17		
34	4130 - Aspen	High Density Pole	3.1	60	51-80	Small stand of mature quaking aspen in decline. Some trees are showing signs of heart rot(conkes).
36	4126 - White, Black, N. Pin Oak	High Density Log	32.4	100	111-140	
37	4125 - Black, N. Pin Oak	High Density Log	31.7	100	81-110	On contract. "Twin Lakes Oak"
38	4125 - Black, N. Pin Oak	High Density Log	17.6	100	81-110	Under Contract, "Twin Lakes Oak"
39	4130 - Aspen	High Density Sapling	2.8	17		
40	4131 - Aspen, Oak	High Density Pole	77.3	25	1-50	Patches or clones of aspen with oak stump sprouts. Good mix of both aspen and oak. Some semi open areas throughout stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
8	6220 - Alder/willow	10.2	No	Unspecified	
9	3102 - Grass	1.5	No	Unspecified	
13	3102 - Grass	4.7	Yes	High (NonForested)	
14	6239 - Mixed Emergent Wetland	1.2	No	Unspecified	
16	6239 - Mixed Emergent Wetland	8.7	No	Unspecified	
23	3102 - Grass	7.3	Yes	High (NonForested)	
27	3102 - Grass	4.2	Yes	High (NonForested)	
33	3102 - Grass	1.6	No	Unspecified	
35	3102 - Grass	0.9	No	Unspecified	