



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 96 ENTRY YEAR: 2013

Compartment Acreage: 1208

County: Roscommon

Revision Date: 07-21-2011

Stand Examiner: Jason Lewicki

Legal Description: T22N R01W sections 13 and 14

Management Area: Ogemaw Hills

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 made up of a series of rolling hills and ridges. Soils are generally Greycalm and Grayling sands. This entire compartment is upland.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is made up of primarily large blocks of state owned land. There are multiple large communication towers within the compartment.

Unique, Natural Features: None known

Archeological, Historical, and Cultural Features: None known

Special Management Designations or Considerations: None known.

Watershed and Fisheries Considerations: None Known

Wildlife Habitat Considerations: Deer, grouse, Woodcock, turkey.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 13 and 14, T22N-R1W, Roscommon County

Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 400 and 1000 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. Most of the nearby gravel pits are associated with upland areas. The nearest gravel pit is located to the north and south of the compartment and potential is thought to be good. West Branch Field lies four miles to the east. The field has produced over 15.9 million BO from the Devonian Dundee and Richfield Formations and is currently in secondary recovery operations in the Dundee.

It has also produced over 10.7 Bcf gas from the Prairie du Chien Formation. Most of the State land is currently leased for oil and gas development.

Vehicle Access: Vehicle access is fairly good with the exception of a few steep ridges.

Survey Needs: None at this time

Recreational Facilities and Opportunities: Opportunities include hunting and fishing. The St. Helen snowmobile and ORV trail runs through the west end of the compartment.

Fire Protection: This compartment is dominated by hardwood cover types (mostly oak). Due to its proximity to St. Helen it receives a lot of public use which increases the wildland/ urban wildfire interface.

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**

Stand Boundary Map

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

Compartment 96
 T22N, R01W, Sec. 13, 14
 County: Roscommon
 Unit: Roscommon
 YOE: 2013
 Acres: 1,215 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 8/15/2011
 Map Phase: Pre-Review

14 13



Legend

	Miris Corners		Forest Stands
	Highway		Level 3
	Paved Roads		411 - Northern Hardwood
	Poor Dirt Roads		412 - Oak Types
	County Poor Dirt Roads		413 - Aspen Types
	Intermittent Stream/Drain		419 - Mixed Upland Deciduous
	Stream		422 - Natural Pines
	MCCCT Trails		Non-Forest Stands
	ORV Trails		Level 3
	Snowmobile Trails		110 - Low Intensity Urban
	MCCCT Trail		122 - Road/Parking Lot
	ORV Trail		Stand Boundaries
	Snowmobile Trail		
	Stand Boundaries		

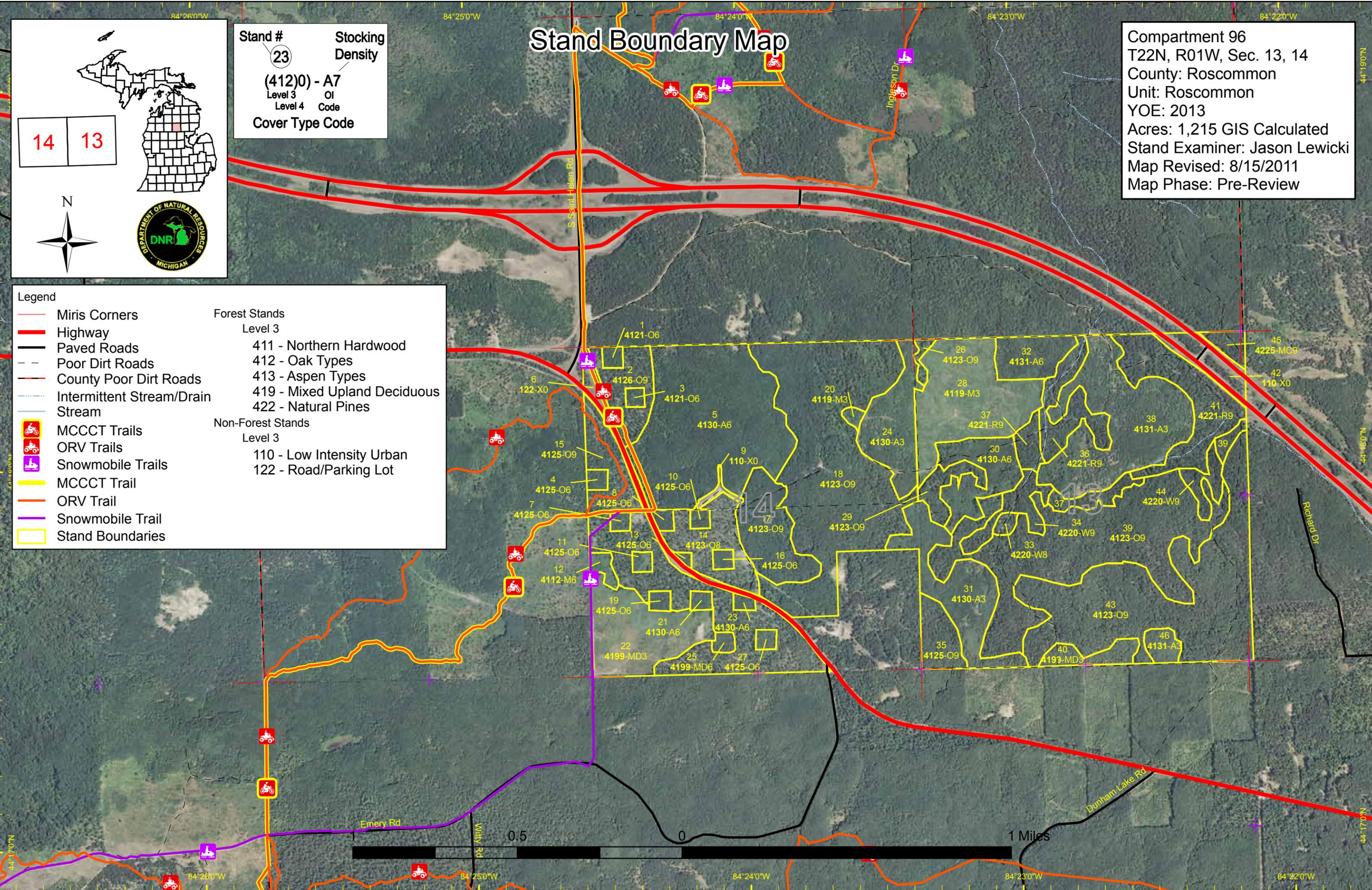


Table 1 – Total Acres by Cover Type and Age Class



	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 +		Uneven Age
Aspen	0	0	156	166	0	0	0	0	0	0	0	0	0	0	0	322
Mixed Upland Deciduous	0	47	10	2	0	0	0	0	0	0	0	0	0	0	0	59
Natural Mixed Pines	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
Northern Hardwood	0	62	2	4	0	0	0	0	0	0	0	0	0	0	0	68
Oak	0	0	0	25	0	0	0	0	0	601	0	0	0	0	0	626
Red Pine	0	0	0	0	0	0	0	0	15	63	0	0	0	0	0	78
Urban	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
White Pine	0	0	0	0	0	0	0	0	16	9	0	0	0	0	0	24
Total	33	109	168	196	0	0	0	0	36	673	0	0	0	0	0	1215



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2013

Compartment 096
Total Compartment Acres: 1215

Acres by Treatment Type

Commercial Harvest - 308	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
Oak	0	0	0	0	308	0	308
Total	0	0	0	0	308	0	308

**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
17	71096017-Cut	32.3	4123 - Red Oak	High Density Log	85	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription: Mark stand to thin. Aim for 50-70 BA and target suppressed and poor formed oak. Favor growth on quality sawtimber oak crop trees. Do not
Specs: cut maple understory.

Other
Comments:

Next
Steps:

18	71096018-Cut	147.5	4123 - Red Oak	High Density Log	80	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
----	--------------	-------	----------------	------------------	----	---------	----------------	----------------	--------------------------

Prescription: Thin stand by marking to cut. Thin down to 70-80 BA. Cut all aspen. Where large clones of aspen exist, remove most oak except for a few
Specs: most trees and manage for aspen. Shortwood sale is a must. Landings and log truck access will be difficult due to terrain.

Other
Comments:

Next
Steps:

43	71096043-Cut	127.9	4123 - Red Oak	High Density Log	85	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
----	--------------	-------	----------------	------------------	----	---------	----------------	----------------	--------------------------

Prescription: Thin stand by marking to cut. Thin to 70-80 BA. Manage for quality oak sawlogs. Remove poor formed, suppressed and high risk oak and
Specs: maple. Stand will be somewhat difficult to access for log trucks and landings. Some areas will be difficult for operability due to steep slopes.

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 307.7**

S
t
a
n
d

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	------------------	--------------	-----------	----------------	------------------	----------------------	-----------------

#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
71048_OutOfY OE_1-Cut	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>								
71048_OutOfY OE-Cut	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>								
71118_OutOfY OE-Cut	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>								
71165_OutOfY OE-Cut	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							

S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 096	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
1	4121 - Oak, Aspen	High Density Pole	2.5	27	51-80		
2	4126 - White, Black, N. Pin Oak	High Density Log	21.1	85	81-110		
3	4121 - Oak, Aspen	High Density Pole	2.1	27	51-80		
4	4125 - Black, N. Pin Oak	High Density Pole	2.5	27	51-80		
5	4130 - Aspen	High Density Pole	116.9	27	51-80	Bigtooth aspen stand with some stump sprout oak and aspen mixed in. Som red oak on higher better sites.	
7	4125 - Black, N. Pin Oak	High Density Pole	2.4	27	51-80		
8	4125 - Black, N. Pin Oak	High Density Pole	2.4	27	51-80		
10	4125 - Black, N. Pin Oak	High Density Pole	2.2	27	51-80		
11	4125 - Black, N. Pin Oak	High Density Pole	2.3	27	1-50		
12	4112 - Maple, Beech, Cherry Association	High Density Pole	3.7	27	1-50		
13	4125 - Black, N. Pin Oak	High Density Pole	1.0	27	51-80		
14	4123 - Red Oak	Medium Density Log	26.8	80	1-50	Oak shelterwood cut from last entry. 30-50 avg BA. Little to no oak regen present. Mostly red maple understory.	
15	4125 - Black, N. Pin Oak	High Density Log	91.5	80	51-80	Stand was thinned last entry. Heavy red maple understory. A few areas of oak stump sprout regen.	
16	4125 - Black, N. Pin Oak	High Density Pole	2.3	27	51-80		
17	4123 - Red Oak	High Density Log	32.3	85	51-80	Stand was species thinned approx 20-30 yrs ago and had red maple and aspen removed. Some nice red oak present. Stand averages 80-100 BA with alot of poor formed and suppressed pole timber oak. Red maple understory.	
18	4123 - Red Oak	High Density Log	147.5	80	81-110	Large stand of primarily red oak mixed with red maple and bigtooth aspen. Some large clones /areas of bigtooth. Entire area is made up of rolling hills and ridges which makes poor access for harvesting purosopes. Some areas of pine.	
19	4125 - Black, N. Pin Oak	High Density Pole	2.5	27	51-80		



S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 096	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
20	4119 - Mixed Northern Hardwoods	High Density Sapling	1.9	10			Old wild fire
21	4130 - Aspen	High Density Pole	2.4	27	51-80		
22	4199 - Other Mixed Upland Deciduous	High Density Sapling	46.7	5			
23	4130 - Aspen	High Density Pole	1.9	27	51-80		
24	4130 - Aspen	High Density Sapling	31.6	17			
25	4199 - Other Mixed Upland Deciduous	High Density Pole	2.5	27	51-80		
26	4123 - Red Oak	High Density Log	2.6	85	51-80		
27	4125 - Black, N. Pin Oak	High Density Pole	2.3	27	51-80		
28	4119 - Mixed Northern Hardwoods	High Density Sapling	62.3	6			
29	4123 - Red Oak	High Density Log	10.2	85	81-110		
30	4130 - Aspen	High Density Pole	27.1	26	51-80		Nice aspen site. Some black cherry that should some day make some decent logs. Some clay in soil.
31	4130 - Aspen	High Density Sapling	41.3	17			
32	4131 - Aspen, Oak	High Density Pole	17.3	26	51-80		
33	42200 - Natural White Pine	Medium Density Log	2.5	75	1-50		
34	42200 - Natural White Pine	High Density Log	13.2	75	81-110		White pine stand mixed with some oak.
35	4125 - Black, N. Pin Oak	High Density Log	14.5	85	81-110		Black oak stand mixed with bigtooth aspen and red pine. Some younger pole timber understory red pine present. More bigtooth aspen on south side.
36	42210 - Natural Red Pine	High Density Log	22.0	85	51-80		
37	42210 - Natural Red Pine	High Density Log	14.6	75	111-140		Narrow band of natural red pine mixed with some black oak. Maple underterory.



S
t
a
n
d

Roscommon Mgt. Unit

5 – Forested Stands

Compartment: 096
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	4131 - Aspen, Oak	High Density Sapling	77.1	17		Areas of good oak regeneration and areas almost solid bigtooth aspen. Stand could possibly be split into a few stands of oak and aspen. Aspen areas are just entering pole timber size.
39	4123 - Red Oak	High Density Log	126.7	85	81-110	Large stand of oak mixed with white pine of multiple age classes. Oak range from medium quality black oak to areas of nice red oak. Some pockets of bigtooth aspen.
40	4199 - Other Mixed Upland Deciduous	High Density Sapling	9.9	17		Good mix of oak, maple and aspen.
41	42210 - Natural Red Pine	High Density Log	41.2	85	51-80	
43	4123 - Red Oak	High Density Log	127.9	85	81-110	Mixed oak stand with areas of nice red oak. Some areas are made up of lower quality black oak. Stand is found on a series of hills and steep ridges.
44	42200 - Natural White Pine	High Density Log	8.5	85	81-110	
45	42250 - Pine, Oak	High Density Log	5.5	75	81-110	
46	4131 - Aspen, Oak	High Density Sapling	6.2	17		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
6	122 - Road/Parking Lot	15.8	No	Unspecified	
9	11 - Low Intensity Urban	2.2	No	Unspecified	
42	11 - Low Intensity Urban	15.0	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

Conservation Area	Type	Description
--------------------------	-------------	--------------------
