



**Roscommon Forest Management Unit**  
**Compartment Review Presentation**  
**Compartment #119                      Entry Year: 2014**  
**Compartment Acreage: 1121    County: Roscommon**

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**Revision Date:** 1/17/2012

**Stand Examiner:** Dale Ekdom

**Legal Description:** T22N R02W Sections 21 and 28

**Identified Planning Goals:** Upper Muskegon 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 flat to gently rolling throughout the compartment. Soils are Saugatuck and Rubicon sand on the uplands and Rifle Peat and Houghton Muck in the swamps and drainages.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Compartment is a solid block of state land except for two 80 acre private parcels in Section 21 and the compartment is mostly surrounded by state land except for a 40 acre parcel adjacent to the northwest corner and a 256 acre private parcel just south of the compartment. All of the private property within and adjacent to the compartment is wooded acreage with seasonal cabins used for hunting and other recreational purposes.

**Unique, Natural Features:** Records of common loon identified on Denton Creek Flooding

**Archeological, Historical, and Cultural Features:** None noted or detected during fieldwork.

**Special Management Designations or Considerations:** A large portion of Section 28 centered on Denton Creek Flooding and a smaller portion of Section 21 centered on Denton Creek are designated as old growth SCA's.

**Watershed and Fisheries Considerations:** Denton Creek and Denton Creek Flooding

**Wildlife Habitat Considerations:** Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, turkeys, and waterfowl, as well as other non-game species.

**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 are the Pennsylvanian Saginaw Formation and the Mississippian Bayport Limestone and Michigan Formation. The Michigan is quarried for gypsum, the Bayport for limestone and the Saginaw for brick making clay elsewhere in the State. Most of the good gravel pits are associated with upland areas. There are no uplands close by and potential appears to be limited. The abandoned Denton Creek Field is located partly in the compartment. The field produced nearly 55,000 BO from the Detroit River Formation. All of the State land in the compartment is currently leased.

**Vehicle Access:** Vehicle access is good to the edge and middle of the compartment via seasonal county road, forest two-track, and the snowmobile trail. Vehicle access to the interior of the sections is limited by private property and terrain.

**Survey Needs:** None necessary at this time.

**Recreational Facilities and Opportunities:** Compartment contains portions of the Houghton Lake snowmobile trail/ORV route.

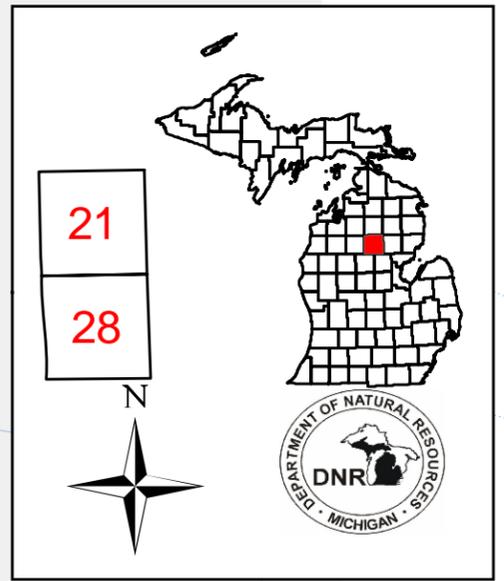
**Fire Protection:** Compartment has no recent history of any fires, low incidence of wildland-urban interface despite the few private in-holdings, no large concentrations of high hazard fuel types, and has numerous natural and man-made barriers to fire spread.

**Additional Compartment Information:** Proposed treatments include 73 acres of final harvests in aspen cover types and opening maintenance in 2 maintained wildlife openings.

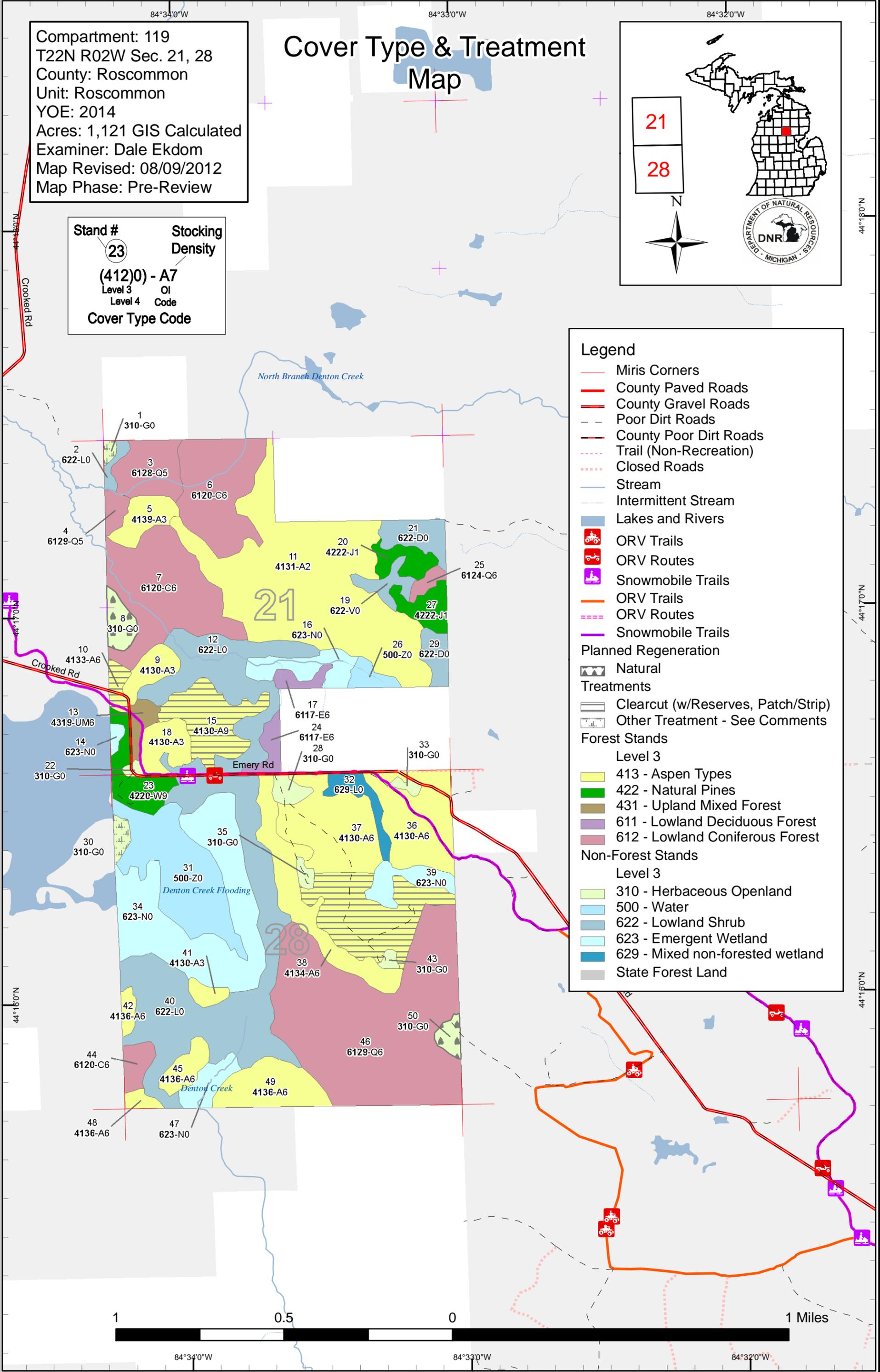
- **The following reports from the Inventory are attached:**
  - ◆ **Total Acres by Cover Type and Age Class**
  - ◆ **Proposed Treatment Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Details (Forested and Nonforested)**
  - ◆ **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: 119  
 T22N R02W Sec. 21, 28  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2014  
 Acres: 1,121 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 08/09/2012  
 Map Phase: Pre-Review

# Cover Type & Treatment Map



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



### Legend

- Miris Corners
- County Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Lakes and Rivers
- ORV Trails
- ORV Routes
- Snowmobile Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails

### Planned Regeneration

- Natural

### Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Other Treatment - See Comments

### Forest Stands

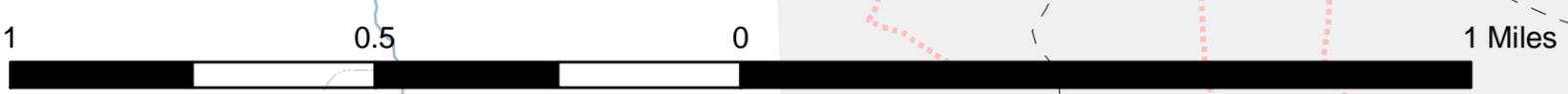
Level 3

- 413 - Aspen Types
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

### Non-Forest Stands

Level 3

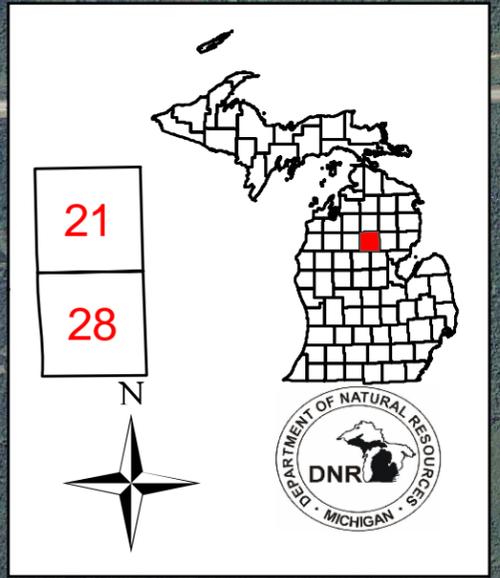
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- State Forest Land



84°34'0"W 84°33'0"W 84°32'0"W

# Stand Boundary Map

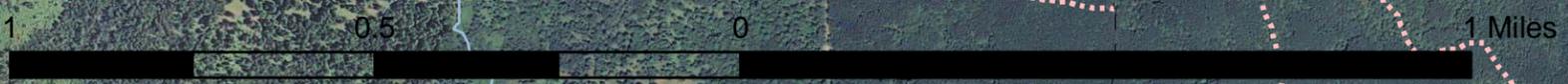
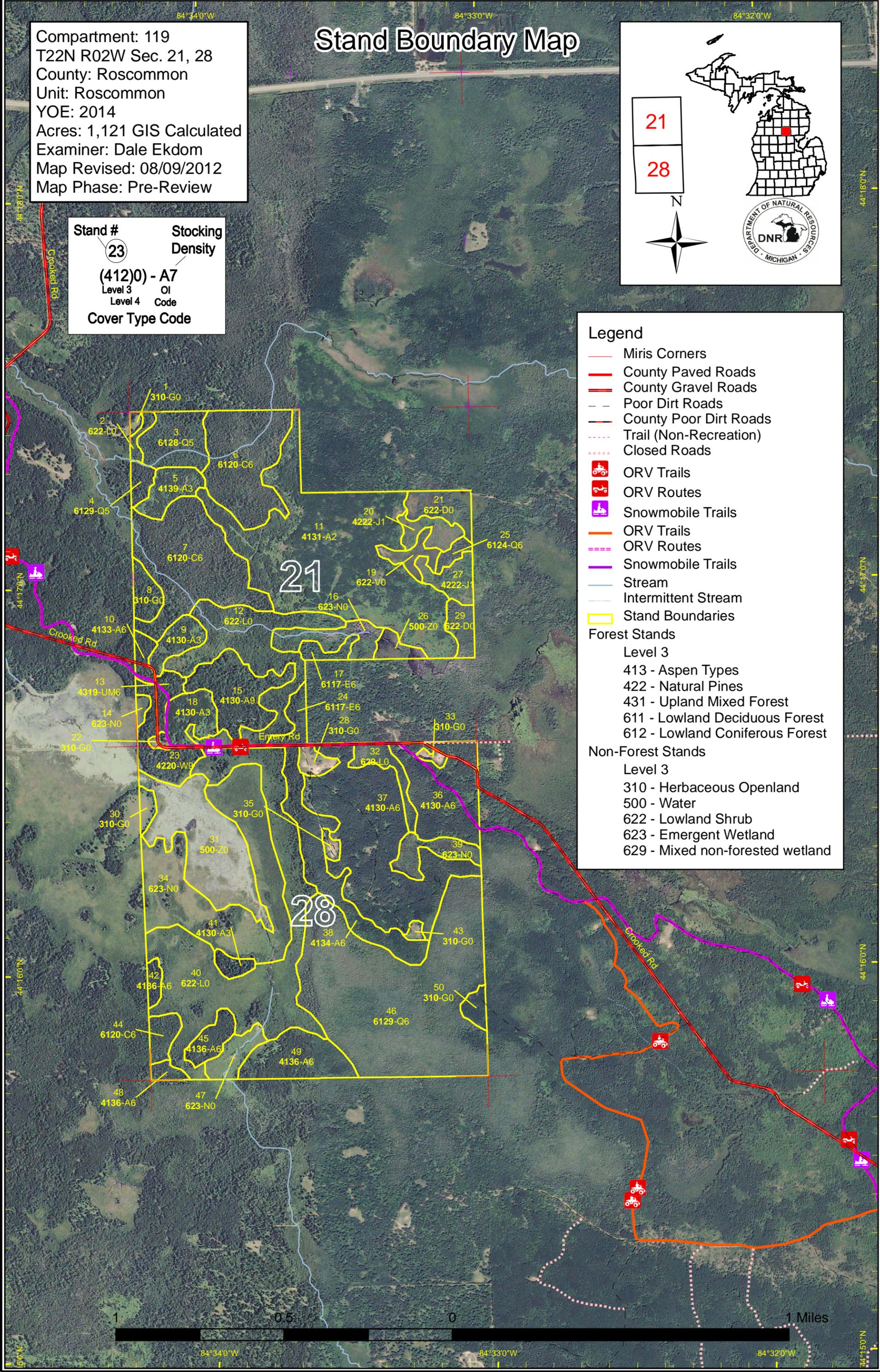
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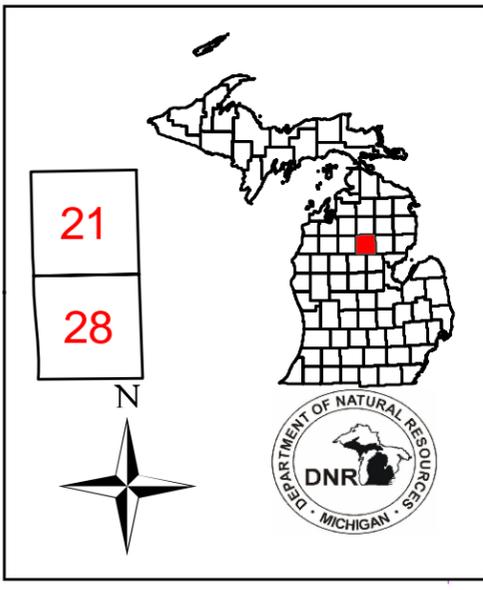
## Legend

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  - County Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
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  - Trail (Non-Recreation)
  - Closed Roads
  - ORV Trails
  - ORV Routes
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  - Stand Boundaries
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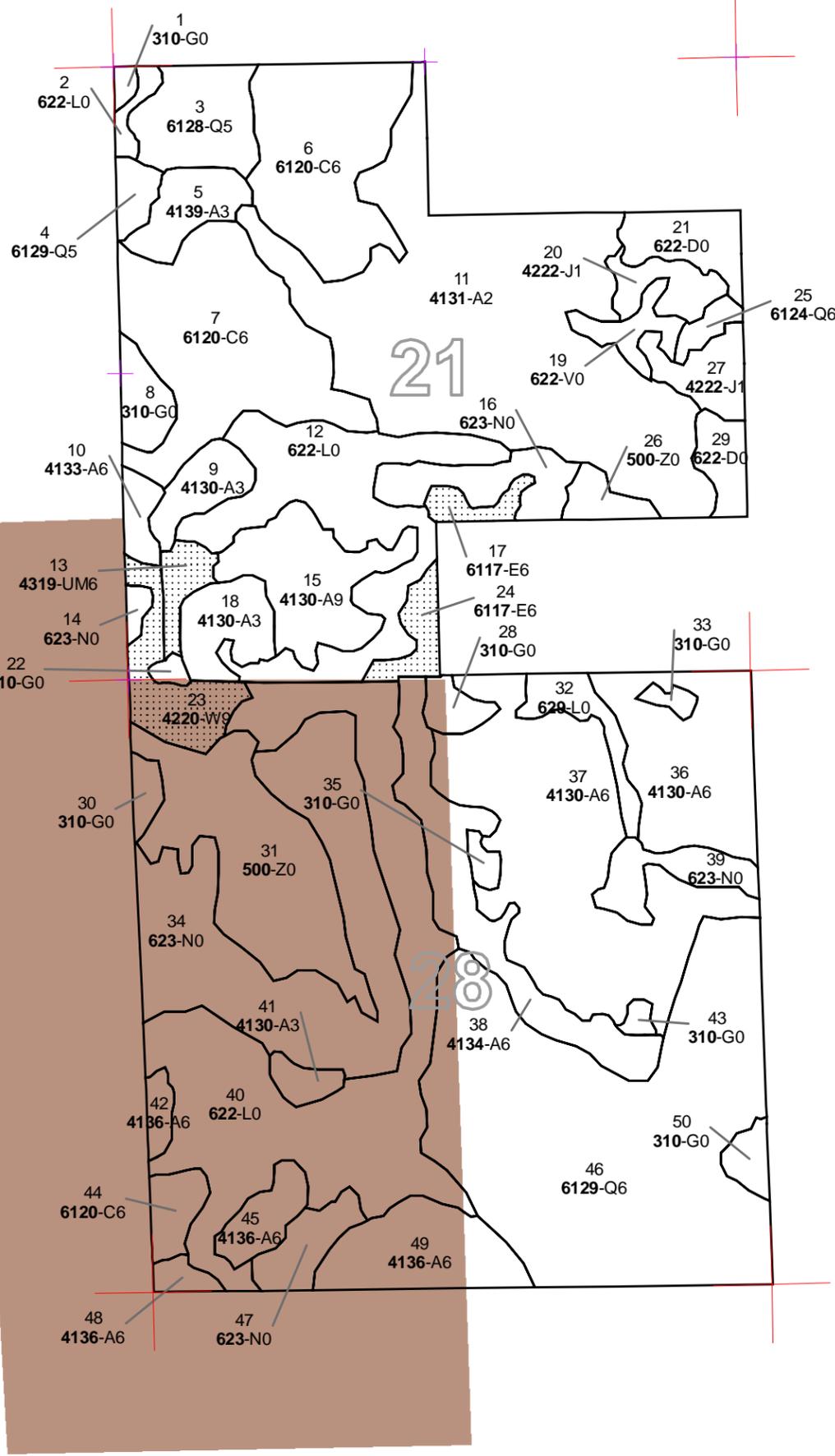


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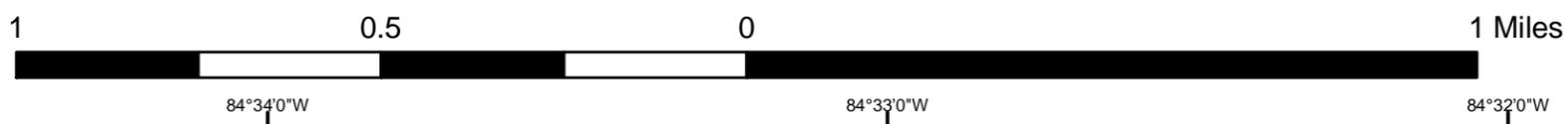
# Dedicated & Proposed Special Conservation Area Map



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



- Legend**
- Miris Corners
  - Stand Boundaries
  - Forest Stands**
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  - Proposed Special Conservation Areas**
  - ▤ SCA - Special Conservation Area
  - Dedicated Special Conservation Areas**
  - Wildlife Management Areas



**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 +	Unretn Age	
Aspen	0	170	4	71	122	0	0	0	32	0	0	0	0	0	399
Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Cedar	0	0	0	0	0	0	0	0	0	110	0	0	0	0	110
Herbaceous Openland	29	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Jack Pine	0	18	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	0	0	0	0	0	0	3	171	0	0	0	0	174
Lowland Deciduous	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
Lowland Shrub	165	0	0	0	0	0	0	0	0	0	0	0	0	0	165
Marsh	112	0	0	0	0	0	0	0	0	0	0	0	0	0	112
Treed Bog	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Water	55	0	0	0	0	0	0	0	0	0	0	0	0	0	55
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16
<b>Total</b>	<b>387</b>	<b>188</b>	<b>4</b>	<b>71</b>	<b>133</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>1121</b>



## Table 2 – Proposed Treatment Summaries

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

**Compartment 119**  
**Total Compartment Acres: 1121**

### Acres by Treatment Type

Commercial Harvest - 76	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 5	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen</b>	76	0	0	0	0	0	76
<b>Total</b>	76	0	0	0	0	0	76



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	71119010-Cut	4.9	4133 - Aspen, Mixed Pine	High Density Pole	89		Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription</u> final harvest and regenerate to aspen/oak/pine, mark a few large crowned oak and larger R/W pine for mast/diversity/visual, buffer marsh for retention, leave all WP saplings and poles between the SMT and Crooked Road for visual</p> <p><u>Specs:</u></p> <p><u>Other</u> cut during dormant season and accept whatever regeneration occurs, minimize hauling on the SMT during the snowmobile season as much as possible, sale may dip into Compartment 118 for a few acres</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
15	71119015-Cut	27.0	4130 - Aspen	High Density Log	89		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> final harvest and manage for aspen/mixed hardwoods, mark some large crowned oak and larger R/W pine for mast/diversity, buffer edges of "L" type for retention or leave east arm and north edge for retention, cut during dormant season to maximize aspen sprouting,</p> <p><u>Specs:</u></p> <p><u>Other</u> cut during dormant season and accept whatever regeneration occurs, use "rabbitat" spec on any edges cut all the way to the swamp, will need to build a road into this stand from the southwest, minimize hauling on the SMT during the snowmobile season as much as possible</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
37	71119037-Cut	43.8	4130 - Aspen	High Density Pole	48		Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> final harvest and manage for aspen with oak component, retention will be applied as buffers on any low/wet areas and to buffer grassy openings which are non-maintained. leave all oak for wildlife mast, diversity, and for retention</p> <p><u>Specs:</u></p> <p><u>Other</u> cut during the dormant season to increase sprouting in the spring and accept whatever type and amount of regeneration occurs, use "rabbitat" spec on any edges that abut the swamp, paint out area in center heavy to oak SL/XL used as a camping area, expand into stand to the west where terrain is operable, minimize hauling on the SMT during the snowmobile season as much as possible</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
1	NF_71119001-NonFor	1.4	3102 - Grass				Non-Forest Management	Other - Specify	31021 - Cool Season Grass	Cmpt. Review Proposal
<p><u>Prescription</u> opening maintenance as specified by WD</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> Unspecified</p>										

**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
30	NF_71119030- NonFor	3.4	3102 - Grass				Non-Forest Management	Other - Specify	31021 - Cool Season Grass	Cmpt. Review Proposal

Prescription opening maintenance as specified by WLD  
Specs:

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: Unspecified

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**Total Treatment  
 Acreage Proposed: 80.5**

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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

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**Total Treatment**  
**Acres 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: 119  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
3	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	19.5	91		lowland swamp conifers with some lowland HW's still hanging on, no access due to wet terrain/private property and too wet to treat and have it regenerate, lots of dead/down
4	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	4.6	91		wet, tamarack with other lowland conifers and hardwoods, no access due to wet terrain
5	4139 - Aspen, Mixed Deciduous	High Density Sapling	11.4	14		
6	6120 - Lowland Cedar	High Density Pole	44.1	91		wet and swampy cedar stand, some BF saps un u.s. openings
7	6120 - Lowland Cedar	High Density Pole	59.1	91		wet and swampy cedar stand, some BF saps in the understory openings
9	4130 - Aspen	High Density Sapling	9.4	14		cut 1997, now nice A3 regeneration although south edge of the stand is wetter/sparser
10	4133 - Aspen, Mixed Pine	High Density Pole	4.9	89		mature/over-mature aspen, needs to be regenerated now as aspen is beginning to fall apart/decline, mark oak to leave for mast, mark a few larger pine on the edge for diversity, leave WP saplings/poles between SMT and Crooked Road for visual, buffer marsh where appropriate, should regenerate OK to aspen but alternative regeneration will be RP if aspen regeneration fails
11	4131 - Aspen, Oak	Medium Density	135.8	14		cut 1997 and regenerated OK to aspen
13	4319 - Mixed Upland Forest	High Density Pole	5.9	Uneven Age	111-140	mature hardwoods and scattered R/W pine SL's with understory of WP saps and poles, good stand to leave and let convert to WP to function as visual buffer on Denton SMT and Crooked Road and as vegetative buffer on Denton Creek Flooding, add to Old Growth SCA and thin at some future YOY to enhance OG characteristics
15	4130 - Aspen	High Density Log	27.0	89		peninsula of high ground with lowland shrub on 3 sides, mix of BTA/QA, aspen is 2 aged and declining but should have enough viable aspen to regenerate stand if final harvested, stand has lots of WP poles/saps scattered thru-out and the north part of the stand is heavy to BF saps in understory with mostly RM overtop, mark some good oak mast trees to leave and some larger R/W pine for diversity, alternate regeneration will be jack pine if stand does not regenerate to a fully stocked aspen stand
17	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	4.4	48		stand is low and wet, aspen declining but RM/WB doing well, heavy BF u.s. is almost pole size, ground is hummucky but has stand ing water is spots, wetter as you go north
18	4130 - Aspen	High Density Sapling	13.2	14		cut 1997 and now nice A3, mix of BTA/QA with most BTA on the west side and the QA on the east side where the terrain is lower
20	42221 - Natural Jack Pine, Mixed Deciduous	Low Density Sapling	8.6	14		part of large cut to the west, natural JP regeneration



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	42200 - Natural White Pine	High Density Log	15.6	Uneven Age	111-140	Upland WP cut by numerous swales with tag alder, large XL R/W pine, SL Oak /WP, and WP poles/saps, currently in Draft POG plan, good stand to leave for visual on SMT and Crooked Road as well as buffer on Denton Creek Flooding
24	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	6.8	48		low/wet stand next to floodplain of creek, aspen just about gone but RM and WB growing well, stand has a heavy BF u.s. with scattered WP saps also
25	6124 - Lowland Spruce-Fir	High Density Pole	3.4	83		lowland spruce/fir stand
27	42221 - Natural Jack Pine, Mixed Deciduous	Low Density Sapling	9.9	14		part of large cut to west, natural JP regeneration
36	4130 - Aspen	High Density Pole	37.8	48		nice A6 stand, cut 1963 and then removed residual merch. trees in 1972 non-commercial cut, areas of "U" and swamp could be left as visual if cut, also leave oak if cut for mast/future mast, cut or hold as desired to meet aspen age class distribution requirements
37	4130 - Aspen	High Density Pole	84.2	48		nice A6 stand with both BTA and QA component, mostly BTA but numerous areas with QA clones, several lower areas/swales with heavy BF u.s., scattered areas with oak saps and scattered oak SL's, cut in 1963 but removed residual merch. trees in 1972 non-commercial cut, hold or cut all/part as desired to meet aspen age class distribution requirements,
38	4134 - Aspen, Spruce/Fir	High Density Pole	32.4	39		transition zone between upland to the east and flooding to the west, stand is upland grading to lowland with hummucky ground and a higher water table in spots
41	4130 - Aspen	High Density Sapling	4.1	23		Habitat cut in February 1988
42	4136 - Aspen, Mixed Conifer	High Density Pole	3.4	31		stand is just reaching A6 and has numerous wet potholes/drainages within and between stands, consider treating next YOE
44	6120 - Lowland Cedar	High Density Pole	6.8	91		lowland cedar stand
45	4136 - Aspen, Mixed Conifer	High Density Pole	8.5	33		stand is jsut reaching A6 and is upland island surrounded by south end of Denton Creek Flooding
46	6129 - Mixed Coniferous Lowland Forest	High Density Pole	146.6	91		north end of large swamp complex on south edge of Denton Creek Flooding
48	4136 - Aspen, Mixed Conifer	High Density Pole	3.0	33		just reaching A6, stand extends into compartment 120 to the south and is surrounded by wet swales and cedar drainages
49	4136 - Aspen, Mixed Conifer	High Density Pole	23.8	33		just reaching A6, surrounded by cedar swamp or marsh



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	3102 - Grass	1.4	Yes	Low (NonForested)	mgd. wildlife opening, poor access
2	6229 - Mixed lowland shrub	2.9	No	Unspecified	
8	3102 - Grass	7.5	Natural Regen	Aspen	cut with stand to west in C118 in Fall 2010
12	622 - Lowland Shrub	50.6	N/A	Unspecified	
14	6230 - Cattail	1.8	N/A	Unspecified	
16	623 - Emergent Wetland	14.0	N/A	Unspecified	
19	6225 - Bog	6.8	N/A	Unspecified	
21	6224 - Treed Bog	11.7	N/A	Unspecified	
22	310 - Herbaceous Openland	1.5	N/A	Unspecified	
26	50 - Water	5.3	N/A	Unspecified	
28	310 - Herbaceous Openland	4.7	N/A	Unspecified	
29	6224 - Treed Bog	7.3	N/A	Unspecified	
30	3102 - Grass	3.4	Yes	Low (NonForested)	mgd. wildlife opening, poor access
31	50 - Water	50.1	No	Unspecified	Denton Creek Flooding
32	629 - Mixed non-forested wetland	8.7	No	Unspecified	
33	310 - Herbaceous Openland	1.9	N/A	Unspecified	
34	623 - Emergent Wetland	76.1	N/A	Unspecified	
35	310 - Herbaceous Openland	2.2	N/A	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
39	623 - Emergent Wetland	11.0	N/A	Unspecified	
40	6229 - Mixed lowland shrub	102.8	No	Unspecified	
43	310 - Herbaceous Openland	1.6	N/A	Unspecified	
47	6239 - Mixed Emergent Wetland	9.3	N/A	Unspecified	
50	3102 - Grass	4.4	Natural Regen	Aspen	cut in Winter 2011 with stand to the east in 71122

**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.

<b>Stand</b>	<b>SCA Type</b>	<b>SCA Name</b>	<b>Acres</b>	<b>Comments</b>
13	Unique Site - SCA	71119013	5.9	Type 2 Old Growth
17	Unique Site - SCA	71119017	4.4	Type 2 Old Growth
23	Unique Site - SCA	71119023	15.6	Type 2 Old Growth
24	Unique Site - SCA	71119024	6.8	Type 2 Old Growth



**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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.