



# Compartment Review Presentation

## Roscommon Forest Management Unit

Compartment 52

Entry Year 2015

Acreage: 1,082

County Roscommon

Management Area: Ausable Outwash

**Revision Date:** 05/22/2013

**Stand Examiner:** Dale Ekdom

**Legal Description:**

T23N R01W Sections 14 & 15

**Identified Planning Goals:**

Compartment is in the Au Sable Outwash Management Area. Broad management goals are to maintain current age and species diversity in a range of early and late succession ecosystems.

**Soil and topography:**

Topography in the compartment is generally flat and wet with some higher terrain on the edges. The soil in the lower, wetter areas of the compartment is Rifle peat. The soils in the higher, drier portions of the compartment are Rubicon, Roselawn, Saugatuck, and Grayling sands.

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

Compartment is a solid block of state land except for an undeveloped 80 acre parcel in Section 14. The compartment is surrounded by state land except for the south and southwest sides. Private property to the south is mostly small lots in a sub-division with year-round residences.

**Unique Natural Features:**

Active osprey nests have been recorded on Marsh Creek and common loons and nesting Eagles have been recorded on Lake St. Helen.

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

Archeological site located within the compartment.

**Special Management Designations or Considerations:**

A small SCA for potential old growth has been designated on an island surrounded by marsh in Section 15.

**Watershed and Fisheries Considerations:**

Compartment is bisected by Cedar Creek and Marsh Creek with associated wetlands and Lake St. Helen is on the southwest edge of the compartment. Beaver Lake Flooding is just to the east of the compartment in Section 13.

**Wildlife Habitat Considerations:**

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, turkeys, 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 is the Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. Most of the good gravel pits are associated with upland areas. The nearest gravel pit is located three miles to the south and potential appears to be limited. St. Helen Field is located three 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.

**Vehicle Access:**

Vehicle access is good on the higher terrain of the compartment via M-76 and F-97 and a few forest two-tracks but most of the compartment is low and wet with no vehicle access.

**Survey Needs:**

None necessary at this time.

**Recreational Facilities and Opportunities:**

The north part of the compartment contains a small portion of the St. Helen ORV trail and the St. Helen snowmobile trail is

just to the north and east of the compartment. There is a small boat launch on the west edge of Beaver Lake. The state land is heavily used for deer, bear, and turkey hunting. Many of the trails and two-tracks are used by the locals for recreational hiking and snowmobile riding.

**Fire Protection:**

Most of the compartment is low and wet with no problem cover types and lots of natural and man-made firebreaks but there are some jack pine cover types in the southeast ¼ of Section 14.

**Additional Compartment Information:**

Some trash dumping is occurring due to the close proximity to residences and there is lots of illegal ORV activity for the same reason. A small barrow pit in SESE Section 15 is being used for target practice/sighting-in of firearms.

**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**

Compartment: 052  
 T23N R01W  
 Sections 14, 15  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2015  
 Acres: 1,082 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 08/05/2013  
 Map Phase: Web Post

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

# Cover Type & Treatment Map

15 14

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DEPARTMENT OF NATURAL RESOURCES  
 DNR  
 MICHIGAN

South Branch Au Sable River

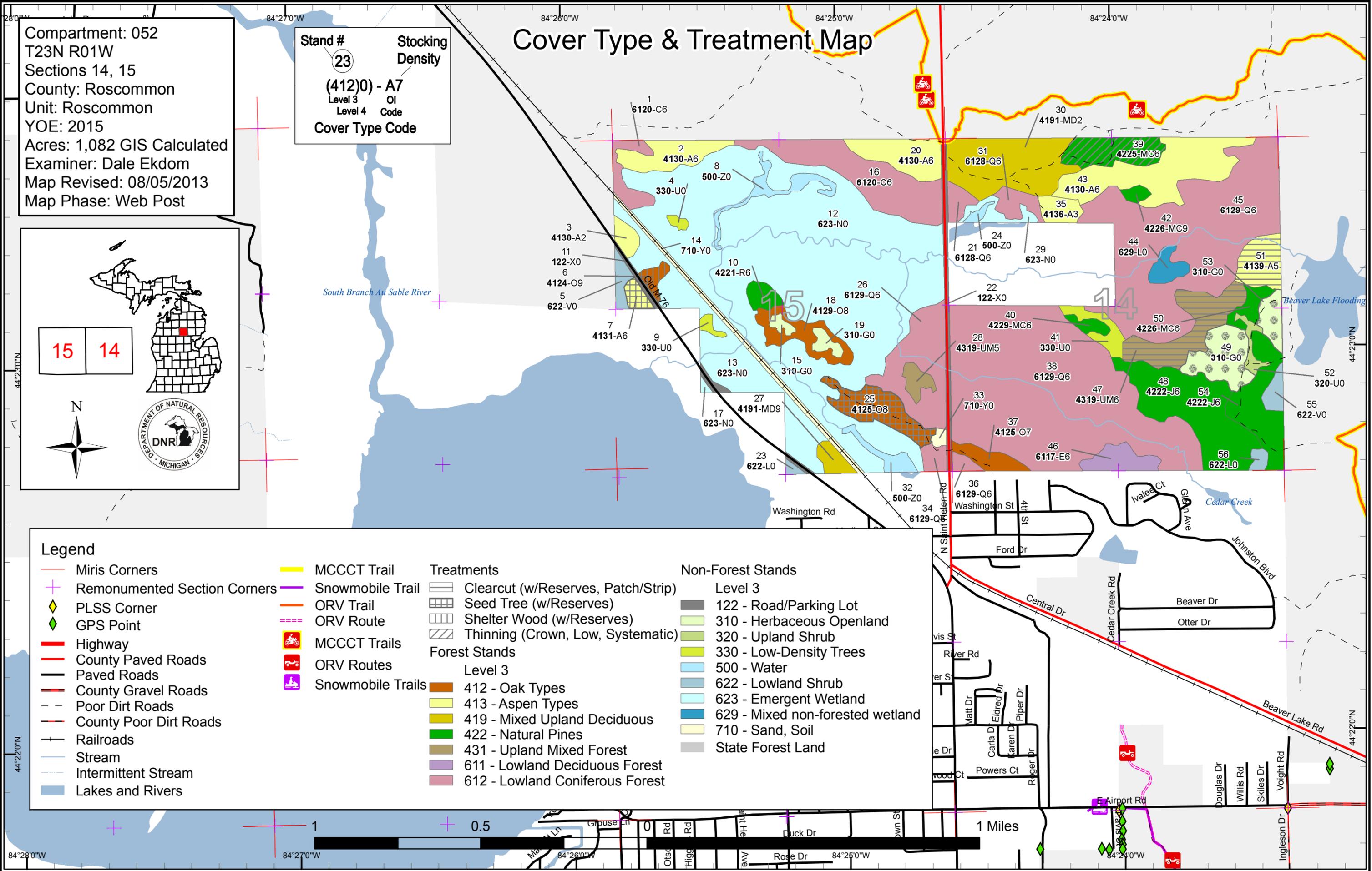
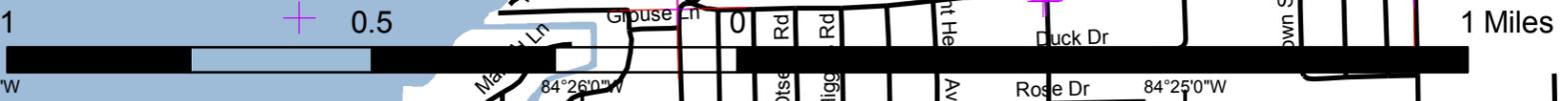
Beaver Lake Flooding

- Legend**
- Miris Corners
  - Remonumented Section Corners
  - PLSS Corner
  - GPS Point
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Railroads
  - Stream
  - Intermittent Stream
  - Lakes and Rivers

- MCCCT Trail
- Snowmobile Trail
- ORV Trail
- ORV Route
- MCCCT Trails
- ORV Routes
- Snowmobile Trails

- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - Seed Tree (w/Reserves)
  - Shelter Wood (w/Reserves)
  - Thinning (Crown, Low, Systematic)
- Forest Stands**
- Level 3
- 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 422 - Natural Pines
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest

- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 330 - Low-Density Trees
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland
  - 629 - Mixed non-forested wetland
  - 710 - Sand, Soil
  - State Forest Land



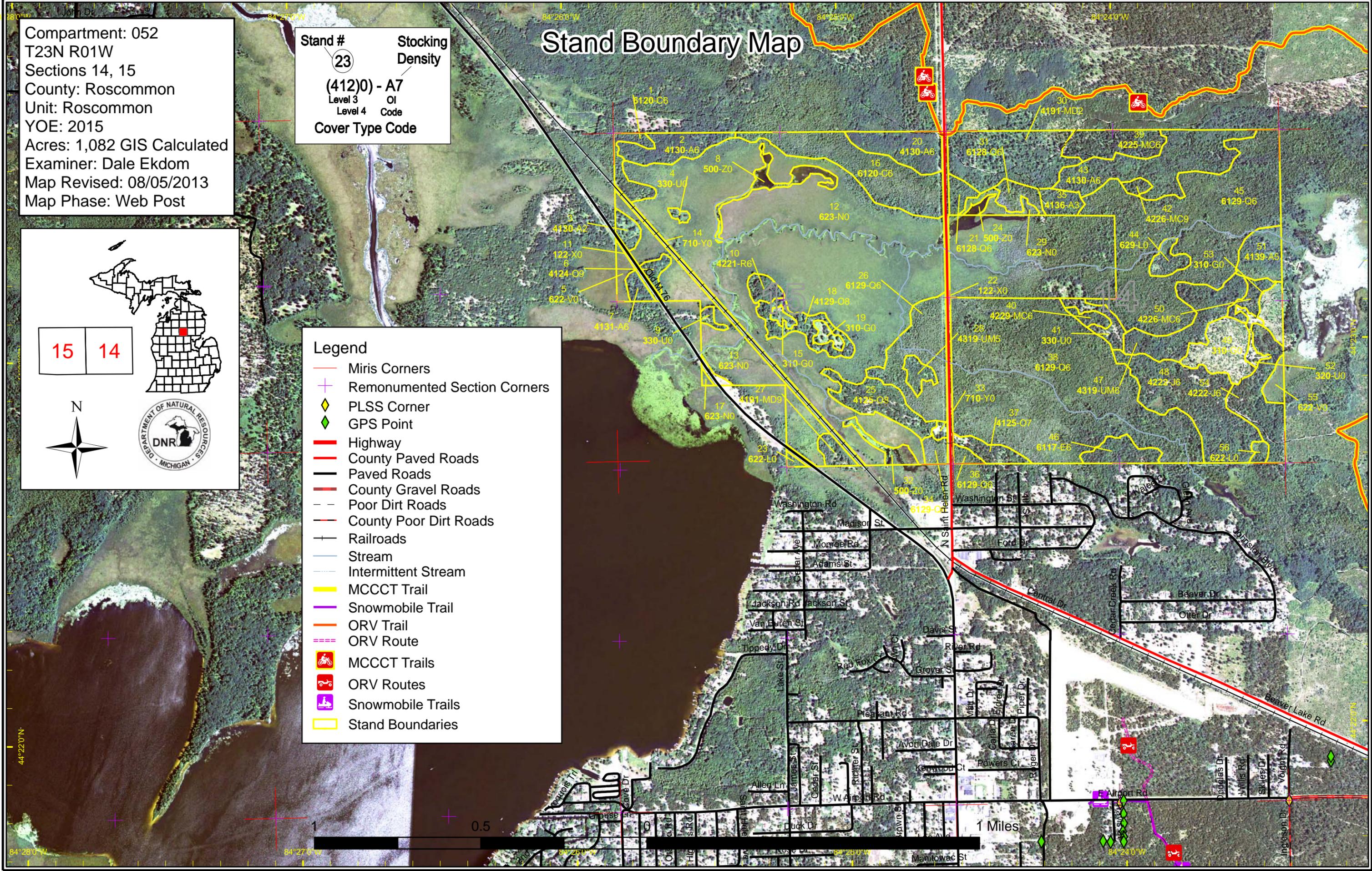
# Stand Boundary Map

Compartment: 052  
 T23N R01W  
 Sections 14, 15  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2015  
 Acres: 1,082 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 08/05/2013  
 Map Phase: Web Post

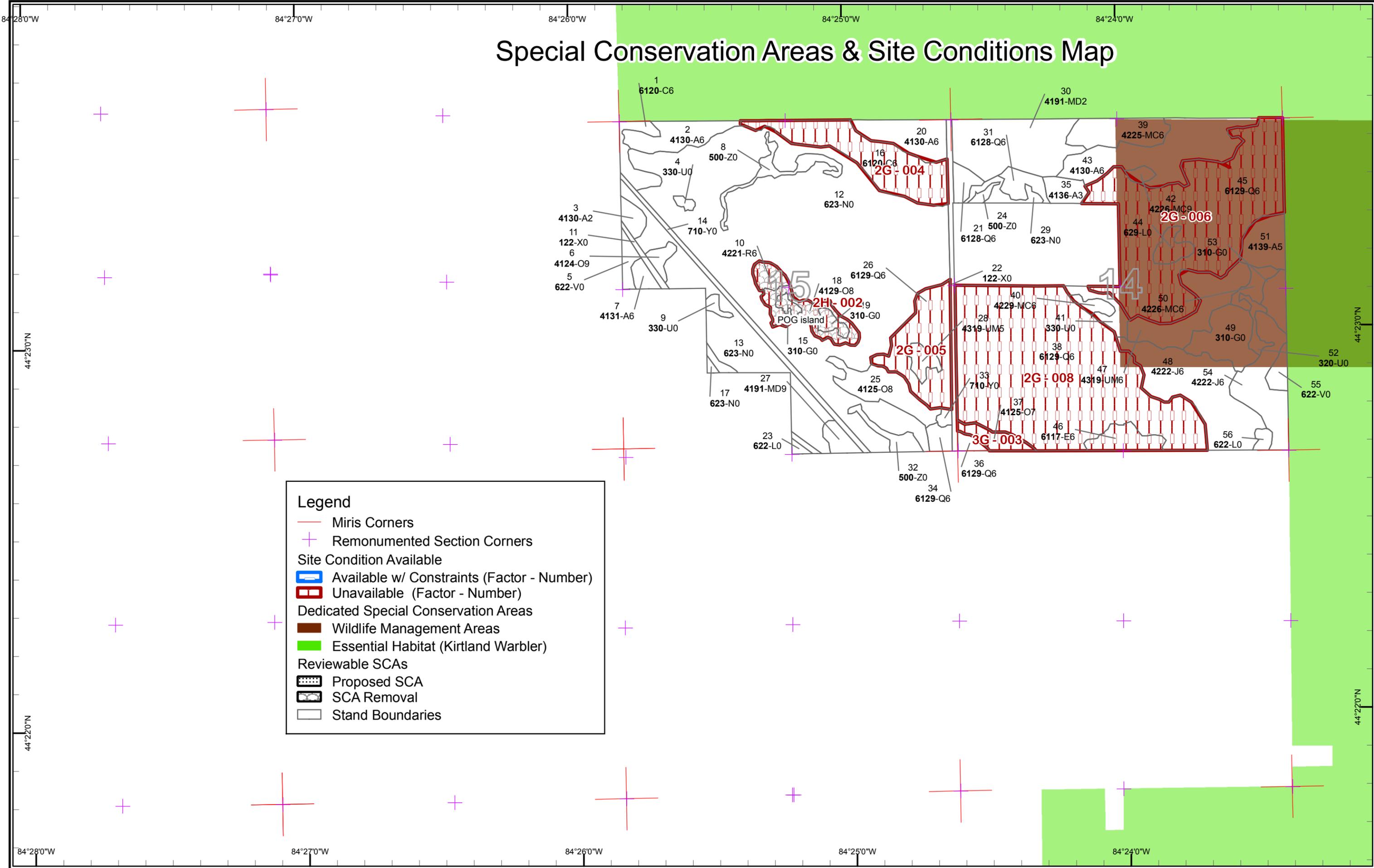
Stand #  
**23**  
 Stacking Density  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

15 14

- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - ◆ PLSS Corner
  - ◆ GPS Point
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Railroads
  - Stream
  - Intermittent Stream
  - MCCCT Trail
  - Snowmobile Trail
  - ORV Trail
  - ORV Route
  - 🏍️ MCCCT Trails
  - 🏍️ ORV Routes
  - 🏍️ Snowmobile Trails
  - Stand Boundaries



# Special Conservation Areas & Site Conditions Map



**Legend**

- Miris Corners
- + Remonumented Section Corners
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Dedicated Special Conservation Areas
- Wildlife Management Areas
- Essential Habitat (Kirtland Warbler)
- Reviewable SCAs
- Proposed SCA
- SCA Removal
- Stand Boundaries

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	4	0	6	41	30	12	0	0	0	0	0	0	0	0	93
Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	44	44
Herbaceous Openland	27	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Jack Pine	0	0	64	0	0	0	0	0	0	0	0	0	0	0	64
Low-Density Trees	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	323	323
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
Lowland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Marsh	319	0	0	0	0	0	0	0	0	0	0	0	0	0	319
Mixed Upland Deciduous	0	37	0	0	0	0	0	0	0	0	0	0	0	4	41
Natural Mixed Pines	0	0	0	3	5	0	0	0	2	0	0	0	0	15	25
Oak	0	0	0	0	0	0	0	0	23	14	0	0	0	0	37
Red Pine	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Sand, Soil	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Mixed Forest	0	0	4	0	0	0	0	0	23	0	0	0	0	0	27
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
<b>Total</b>	<b>418</b>	<b>37</b>	<b>74</b>	<b>44</b>	<b>35</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>395</b>	<b>1082</b>



## Report 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit  
Year of Entry 2015

Compartment 052  
Total Compartment Acres: 1,082

### Acres by Treatment Type

Commercial Harvest - 73	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen Types</b>	12	0	3	0	0	0	15
<b>Natural Pines</b>	0	0	0	0	15	0	15
<b>Oak Types</b>	0	0	16	3	0	0	20
<b>Upland Mixed Forest</b>	23	0	0	0	0	0	23
<b>Total</b>	<b>35</b>	<b>0</b>	<b>20</b>	<b>3</b>	<b>15</b>	<b>0</b>	<b>73</b>



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	71052006-Cut	3.1	4124 - Red with White Oak	High Density Log	97	171-200	Harvest	Shelter Wood with Reserves	4121 - Oak, Aspen	Cmpt. Review Proposal
<u>Prescription</u> light shelterwood by cutting all aspen and marking red maple/oak to cut, concentrate on leaving well crowned oaks and single stem maple with <u>Specs:</u> good form, MO will be oak with some areas heavy to A3 and other areas more open, remove approx 10 SF of Oak and 10 SF of maple plus the aspen <u>Other</u> buffer marsh and cut out wetter parts of the stand as necessary, no specific retention due to small acreage/volumes, set up as small negotiated <u>Comments:</u> sale with stand immediately to the south, accept whatever regeneration results <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
7	71052007-Cut	3.2	4131 - Aspen, Oak	High Density Pole	35	51-80	Harvest	Seed Tree with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> seed tree cut by removing all aspen and red maple and leaving all oak <u>Specs:</u> <u>Other</u> buffer marsh and cut out wet potholes in stand as necessary, no retention due to small acreage/volumes, accept whatever species/amount of <u>Comments:</u> regeneration which occurs <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
25	71052025-Cut	16.5	4125 - Black, N. Pin Oak	Medium Density Log	85	81-110	Harvest	Seed Tree with Reserves	4129 - Mixed Oak	Cmpt. Review Proposal
<u>Prescription</u> seed tree leaving 10-30 SF of well crowned oaks (esp. WO over 10" DBH) OR leave all WO over 10" DBH plus some pin/black oak marked to <u>Specs:</u> leave for seed/mast trees, leave all R/W pine for diversity <u>Other</u> buffer swamp/marsh where necessary for retention, leave western most arms for retention, may have to shortwood and deck in shooting pit to <u>Comments:</u> the east, close old 2T when sale is completed, accept whatever species/amount of regeneration which occurs, parts will be fairly open and function as mini-savannahs and parts will regenerate to fully stocked condition <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
39	71052039-Cut	15.2	42250 - Pine, Oak	High Density Pole	87	81-110	Harvest	Low Thinning	42250 - Pine, Oak	Cmpt. Review Proposal
<u>Prescription</u> thin west 1/2 by removing smaller oak SL trees to release pine u.s., thin east 1/2 from below to improve the quality of the stand, some parts of <u>Specs:</u> the stand may not need to be thinned at all, target residual of pine and oak combined should be 90 - 110 SF per acre <u>Other</u> buffer/watch steep bank on the south edge of the stand, protect u.s. as much as possible with shortwood operation only and no chipping of tops, <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
47	71052047-Cut	23.2	4319 - Mixed Upland Forest	High Density Pole	82		Harvest	Clearcut with Reserves	4132 - Aspen, Jack Pine	Cmpt. Review Proposal

Prescription final harvest as much of this stand as possible staying out of the wettest terrain, seed jack pine to get a mix of hardwoods and jack pine  
Specs:

Other dormant season cut to promote aspen regeneration and reduce rutting, seed jack pine throughout stand except where aspen regeneration is  
Comments: heavy, any combination of hardwoods and jack pine to a fully stocked stand is acceptable, wettest areas will be left as retention, use rabbitat spec along the swamp edge, snowmobile trail is needed to access this stand, approve potential OI vs timber sale acreage change at CR due to BMP concerns

Next --Dale Ekdom : 07/31/2013 comments:

Steps: seed jack pine in winter off a snowmobile using appropriate equipment

Proposed  
Start Date: 10/01/2014

51	71052051-Cut	11.9	4139 - Aspen, Mixed Deciduous	Medium Density Pole	52		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
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Prescription final harvest as much of this stand as possible staying out of the wettest terrain, leave conifers and oak for diversity and mast  
Specs:

Other dormant season cut to maximize aspen regeneration and reduce rutting, buffer flooding/swamp where necessary and use this for retention, any  
Comments: combination of hardwoods and conifers to a fully stocked stand is acceptable, snowmobile trail is needed to access this stand so appropriate specs to protect the trail need to be included in the sale

Next  
Steps:

Proposed  
Start Date: 10/01/2014

**Total Treatment  
Acreage Proposed: 73.0**

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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!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

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**Total Treatment**  
**Acreage Proposed:        0**

## Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment 052

Dale Ekdorn : Examiner

Year of Entry 2015

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	3G	2H	2G
	Available	Not Available					
92	92	0	Aspen	92			0
44	7	37	Cedar	7			37
64	64		Jack Pine	64			
322	16	306	Lowland Conifers	16			306
9		9	Lowland Deciduous				9
41	41		Mixed Upland Deciduous	41			
25	25	0	Natural Mixed Pines	25			0
37	20	17	Oak	20	6	11	
4		4	Red Pine			4	
27	23	4	Upland Mixed Forest	23			4
666	288	378	Total Forested Acres	288	6	16	356
	43%	57%	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	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20				
<b>Comments:</b> Island in middle of marsh							
003	Not Available	3G: Other Influence zones - See comments	6	3D: Recreational / Scenic values	3G: Other Influence zones - See comments		
<b>Comments:</b>							
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	37				
<b>Comments:</b>							

# Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment 052

Dale Ekdorn : Examiner

Year of Entry 2015

005	Not Available	2G: Too wet (sensitive soils, does not include access issues)	34
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Comments:

006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	122
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Comments:

008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	169
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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
POG island	Other SCA		SCA Removal	20.2
Comments				



## 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.
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.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	High Density Pole	7.4	Uneven Age		wet cedar swamp mixed with HW's, lots of wildlife activity in this stand, southeast arm is heavy to HW's
2	4130 - Aspen	High Density Pole	13.8	43		mixed stand of BTA-QA, BTA on higher ground and QA on somewhat lower ground, scattered R/W pine and oak XL's also, stand is doing well, possibly treat in 10 years
3	4130 - Aspen	Medium Density	3.9	8		Removed aspen, red maple, and marked oak with seed-tree cut in 2004, now A2O7, leave stand for aspen regeneration to grow to maturity, oak is poor quality and sparse (<10 SF) and is functioning as good wildlife trees, YOO on oak is 1915.
6	4124 - Red with White Oak	High Density Log	3.1	97	171-200	small oak stand with aspen and red maple, oak is RO/BO hybrid with WO, southeast arm is lower/wetter with mostly aspen/red maple O/S and RM spling u.s., red maple u.s. ranges frm sapling to pole size, lots of deer activity in this stand - hitting acorns hard
7	4131 - Aspen, Oak	High Density Pole	3.2	35	51-80	O/S ranges from wolfy old open grown RO/WO with sapling & pole size oak underneath to A6 with scattered oak XL's, u.s. is 20-40 year old aspen, red maple, and oak, stand is doing well on its own but could cut to regenerate the aspen, east end is primarily aspen/red maple
10	42211 - Natural Red Pine, Mixed Deciduous	High Density Pole	4.4	82		red pine/hardwood stand on island surrounded by an extensive marsh, no vehicle access, leave for SCA
16	6120 - Lowland Cedar	High Density Pole	36.9	Uneven Age		wet cedar stand mixed with other swamp conifers, stand gets wetter toward the south end of the stand, possibly cut some of the drier portions with the aspen to the north next YOE
18	4129 - Mixed Oak	Medium Density Log	11.3	92		oak stand with scattered pines on island surrounded by extensive marsh, no vehicle access, leave for SCA
20	4130 - Aspen	High Density Pole	15.9	41		Found records of portions of the stand being cut commercially in 196 and then non-commercially in 1973 to clean up residual left from timber sale (chopper's choice?), terrain is upland transitioning to lower ground to the south, scattered WP poles thru-out stand, stand is growing well and will hold 10 more years
21	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	4.3	Uneven Age		terrain ranges from modeately dry upland with oak, aspen, red maple, and white pine to vey wet with swamp conifers, heavy to tag alder is spots, drier spots have 25-30 year old W3/W6 component, would be difficult to work as there is no good spot for a landing and only small acreage/volume
25	4125 - Black, N. Pin Oak	Medium Density Log	16.5	85	81-110	oak ridge above swamp/marsh, lots of wildlife activity, oak is poor quality BO/pin oak with some WO, scattered WP S-P and RP P-L also, u.s. is fairly open, possibly stand burned in the past as lots of the oak is cat-faced, some steeper terrain in stand, some illegal FW cutting occurring, old 2T runs east-west along mid point of stand



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	6129 - Mixed Coniferous Lowland Forest	High Density Pole	29.6	Uneven Age		very wet tamarack/cedar stand, cut by numerous drainages and Cedar Creek, heavy to tamarack in the wettest spots and along Cedar Creek, other areas are somewhat drier with NWC/BS, not operable w/o lots of work and there is no good spot for a landing
27	4191 - Mixed Upland Deciduous with Conifer	High Density Log	4.4	Uneven Age		stand is an island surrounded by marsh between the RR right-of-way and M-76 so vehicle access is non-existent, aspen is falling apart but stand is regenerating to oak/RM/aspen/WP on its own, good stand to leave for wildlife and visuals along M-76
28	4319 - Mixed Upland Forest	Medium Density Pole	4.2	27		upland island surrounded by swamp, cut to 4" or removed HW's in 1985 (could not find T'sale or FTP but stand was on the sale update map), coming back as mix of HW's and conifers
30	4191 - Mixed Upland Deciduous with Conifer	Medium Density	36.9	16	1-50	Stand was see tree cut in 1996 by removing all A/Rm?JP and some oak, now stand is 2-aged/multi-aged with oak L-X, WP poles, and A/RM/Oak saplings, most of canopy closures is A/RM/O saplings, possibly attempt to remove old O/S or just let go and manage for younger WP poles and hardwood saplings in some future YOE, may damage too much u.s. now to try to remove O/S, eas portion is heavier to WP poles mixed with some RP poles
31	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	6.1	Uneven Age		terrain ranges from moderately dry upland with oak, aspen, red maple, and white pine to very wet with swamp conifers, heavy to tag alder in spots, drier spots have 25-30 year old W3/W6 component, would be difficult to work as there is no good spot for a landing and only small acreage/volume
34	6129 - Mixed Coniferous Lowland Forest	High Density Pole	3.7	Uneven Age		very wet tamarack/cedar swamp, not operable w/o lots of work and cooperation from the weather and no good place for a landing, heavy to tamarack in the wettest spots and the somewhat drier spots are NWC/BS
35	4136 - Aspen, Mixed Conifer	High Density Sapling	5.7	27		cut in 1985, mix of HW's and pine, stand is 2 high knollswith HW's and scattered pine separated by a lower wet run heavy to WP
36	6129 - Mixed Coniferous Lowland Forest	High Density Pole	2.3	Uneven Age		small swamp stand between private property and oak ridge, wet terrain
37	4125 - Black, N. Pin Oak	Low Density Log	6.3	85	1-50	oak ridge with swamp on 2 sides, cut by numerous 2T's going to private property on the south edge of the stand, oak is poor quality BO/pin oak with some WO, sparse in spots and steeper terrain in spots, some illegal FW cutting occurring, u.s is fairly open except where WP is heavy, not worth treating due to PVT property to the south, small acreage/volume, and lack of a good landing area
38	6129 - Mixed Coniferous Lowland Forest	High Density Pole	160.4	Uneven Age		very wet tamarack/cedar stand, cut by numerous drainages and Cedar Creek, heavy to tamarack in the wettest spots and the somewhat drier spots away from the drainages have cedar/BS, WP L-X scattered thru-out, not operable w/o lots of work and there is no good spot for a landing



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	42250 - Pine, Oak	High Density Pole	15.2	Uneven Age	81-110	parts thinned in 1996, R4W2 last YOE, stand now is multi-age RP from saplings to XL's, west part is oak L-XL's with pine poles underneath and scattered RP XL's, east part has less of an oak component except for oak saplings, RP u/s thru-out stand is almost pole size, possibly thin west 1/2 by removing oak SL's to release pine u.s where feasible along with some pine L-XL's and thin east 1/2 by marking from below to improve the quality of the stand, current BA's are lower in spots which have already been thinned once, target BA should be 90 - 110 SF
40	42290 - Natural Mixed Pine	High Density Pole	2.8	39	81-110	fairly equal mix of WP/JP/BO poles with scattered WP & Oak XL's, non-commercial cut in 1973, scattered areas heavy to RP poles also
42	42260 - Natural Pine, Mixed Deciduous	High Density Log	2.0	87		
43	4130 - Aspen	High Density Pole	38.0	37		stand was cut in 1975, mostly TA/RM with scattered BF poles and R/W pine XL's, terrain is operable but has a high water table and also numerous wet potholes
45	6129 - Mixed Coniferous Lowland Forest	High Density Pole	116.4	Uneven Age		wet conifer swamp with a few areas heavier to HW's
46	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.6	Uneven Age		Large WP XL's, HW poles-SL's, and BF saplings-poles, aspen, red maple, and white birch were removed non-commercially in 1976, no commercial access to stand, all aged stand with lots of structure and dead/down, lots of wildlife activity, stand is operable during a drier year but terrain is hummocky with numerous small /wet potholes
47	4319 - Mixed Upland Forest	High Density Pole	23.2	82		north and east end of the stand is heavy to TA poles and scattered WP - some areas are W6, middle is BS/BF/NWC/TA/RM mix and wetter, south and west end is also heavier to TA poles but with scattered BF and WP poles, north edge of the stand grades into a conifer swamp, terrain is very variable but operable in most parts of the stand, aspen/RM appears to be younger than conifers by 20+/- years so stand should regenerate well to aspen/RM/conifer mix if harvested
48	42220 - Natural Jack Pine	High Density Pole	42.3	24		4" cut in late 1987, spots heavy to RP/WP/Oak especially the ridges, look at in 10 years to treat areas heavy to oak/RP, appears to be nat. regeneration as no planting records were found
50	42260 - Natural Pine, Mixed Deciduous	High Density Pole	5.3	45	81-110	mix of everything but wants to be white pine, JP/TA/Oak are poor quality, stand is 2-aged going towards all-aged, there is firewood theft big time in the south arm of the stand and most oak is gone from this area of the stand, hold and thin next YOE when the R/W pine poles are more merch.
51	4139 - Aspen, Mixed Deciduous	Medium Density Pole	11.9	52		variable terrain - south part and north part bumps up against a wet drainage, west edge grades into swamp, numerous potholes with tag alder scattered within stand

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Roscommon Mgt. Unit

Report 8 – Forested Stands

Compartment: 052  
Year of Entry: 2015



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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	42220 - Natural Jack Pine	High Density Pole	21.7	24		cut to 4" in 1988, no planting records found, mostly level terrain with a few scattered water areas, natural JP with scattered SL oaks and R/W pine poles,

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Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	3303 - Mixed Low Density Trees	1.2	No	Unspecified	slightly higher ground than surrounding marsh
5	6225 - Bog	3.8	No	Unspecified	
8	50 - Water	7.9	N/A	Unspecified	
9	3301 - Low Density Deciduous Tree	1.7	No	Unspecified	
11	122 - Road/Parking Lot	4.9	N/A	Unspecified	
12	623 - Emergent Wetland	268.2	N/A	Unspecified	
13	623 - Emergent Wetland	45.2	N/A	Unspecified	
14	710 - Sand, Soil	10.4	No	Unspecified	R.R. ROW
15	310 - Herbaceous Openland	1.8	N/A	Unspecified	
17	623 - Emergent Wetland	0.6	N/A	Unspecified	
19	310 - Herbaceous Openland	2.8	N/A	Unspecified	
22	122 - Road/Parking Lot	9.7	N/A	Unspecified	
23	622 - Lowland Shrub	1.0	N/A	Unspecified	
24	50 - Water	1.3	N/A	Unspecified	
29	623 - Emergent Wetland	4.7	N/A	Unspecified	
32	50 - Water	4.8	N/A	Unspecified	
33	710 - Sand, Soil	1.3	No	Low (NonForested)	barrow pit with encroaching trees, used for sighting in fire-arms, stand has DO closing area to target shooting but no signs stating this, some trash accumulation in this and adjacent stand, possibly close access off F-97 and rehab/re-veg stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
41	3303 - Mixed Low Density Trees	6.3	No	Low (NonForested)	low density trees, O/M SL, WP poles, and JP poles, non-commercially cut in 1973 and did not regenerate well, possibly treat with adjacent JP stands next YOE
44	629 - Mixed non-forested wetland	5.2	No	Low (NonForested)	records indicate stand was non-commercially cut in the late 80's and did not regenerate
49	3105 - Mixed Upland Herbaceous	16.6	Planted	Red Pine	cut 2006 and planted to RP in 2008
52	3205 - Mixed Upland Shrub	3.1	No	Unspecified	upland shrub with scattered TA/WP/BF
53	3105 - Mixed Upland Herbaceous	6.2	Planted	Jack Pine	cut 2006 and planted to JP in 2008
55	6225 - Bog	3.9	No	Unspecified	
56	622 - Lowland Shrub	1.9	NVA	Unspecified	