



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 88      ENTRY YEAR: 2012**

**Compartment Acreage: 1242      County: Roscommon**

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**Revision Date:** 6-2-2010

**Stand Examiner:** Jason Lewicki

**Legal Description:** T23N R02W sections 27 and 34

**Management area:** AuSable Outwash

**Management Goals:** To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

**Soil and Topography:** Soils on the uplands are generally Kinross-AuGres and Klacking-Perecheney sands. Lowlands are Tawas-Lupton mucks. The area is generally flat with a very high water table.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Entire compartment and much of the surrounding area is state owned lands.

**Unique, Natural Features:** Large, old beaver pond on north end of compartment.

**Archeological, Historical, and Cultural Features:** None known,

**Special Management Designations or Considerations:** None.

**Watershed and Fisheries Considerations:** Beaver pond in north and walleye rearing pond to the southern end near I-75.

**Wildlife Habitat Considerations:** Provide and maintain habitat for a variety of game and non game species.

**Mineral Resource and Development Concerns and/or Restrictions:** Sections 27 and 34, T23N R2W, Roscommon County

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 in the State. Most of the nearby gravel pits are associated with upland areas. The nearest gravel pit is located one-half mile to the north. Gravel potential is thought to be limited. St. Helen Field lies six miles to the northeast. The field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. None of the State land is currently leased in the compartment.

**Vehicle Access:** Vehicle access is poor throughout the compartment except for areas along Russell Lake Rd.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** ORV trail on the very northern edge of the compartment.

**Fire Protection:** Much of the compartment is hardwood and lowland cover types. Large wildfire concerns are minimal.

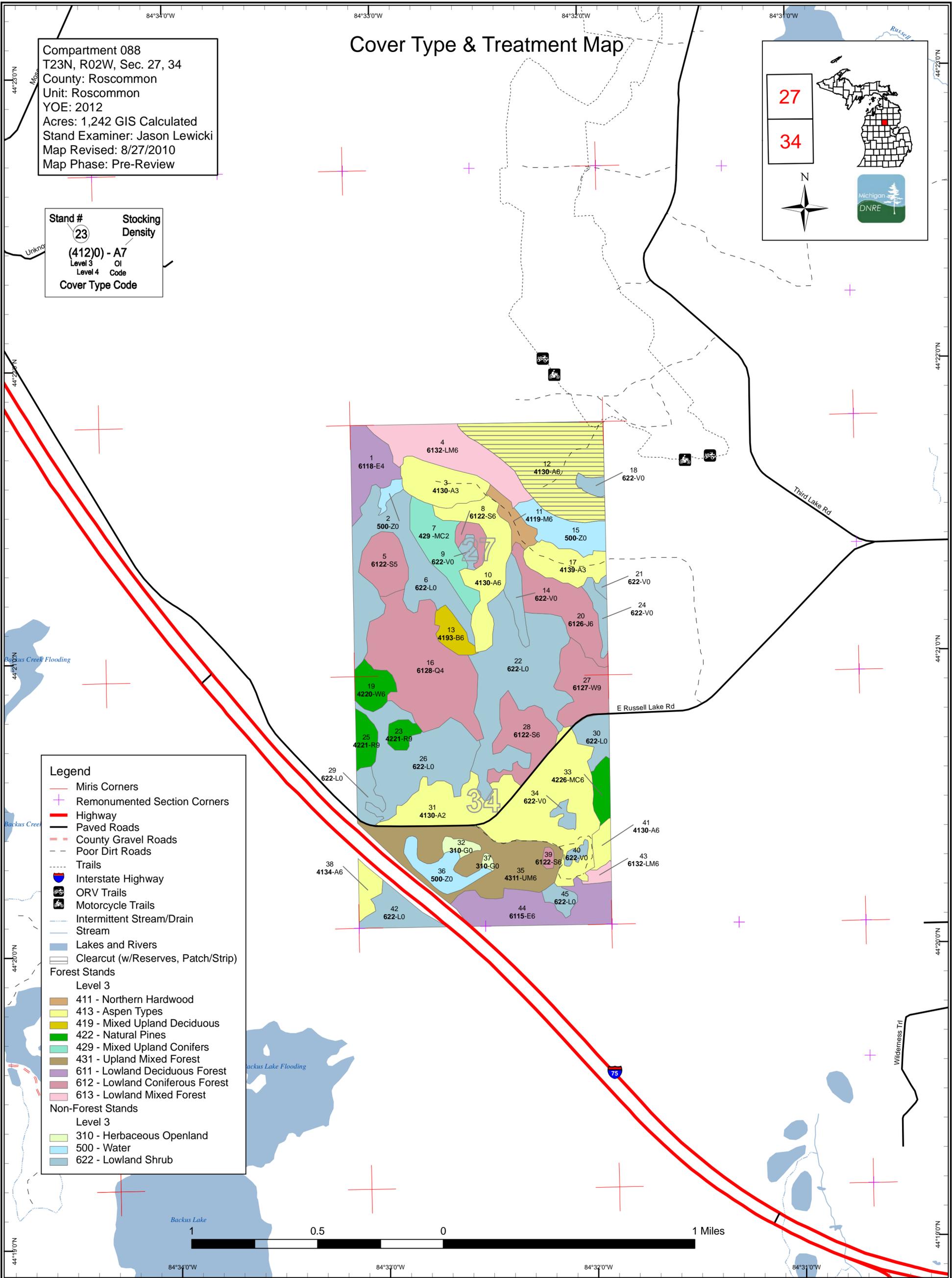
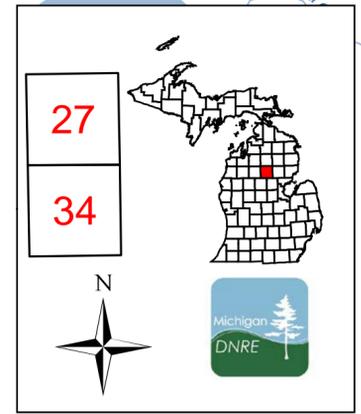
**Additional Compartment Information:**

- **The following 5 reports from the Inventory are attached:**
  - ◆ **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**

# Cover Type & Treatment Map

Compartment 088  
 T23N, R02W, Sec. 27, 34  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2012  
 Acres: 1,242 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 8/27/2010  
 Map Phase: Pre-Review

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



**Legend**

- Miris Corners
- + Remonumented Section Corners
- Highway
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Trails
- Interstate Highway
- ORV Trails
- Motorcycle Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Clearcut (w/Reserves, Patch/Strip)

**Forest Stands**

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



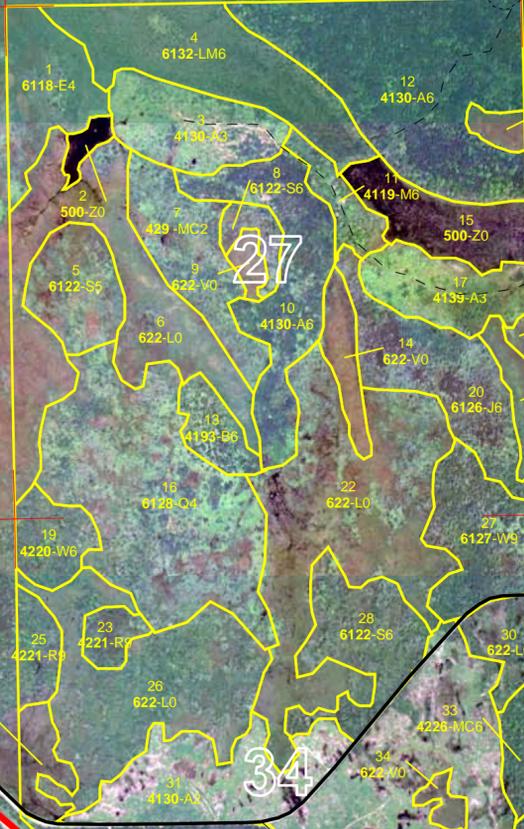
# Stand Boundary Map

Compartment 088  
 T23N, R02W, Sec. 27, 34  
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27

34

Stand #	Stocking Density
(23)	
(412)0 - A7	
Level 3	OI
Level 4	Code
<b>Cover Type Code</b>	



**Legend**

- + Miris Corners
- + Remonumented Section Corners
- Highway
- Paved Roads
- - - County Gravel Roads
- - - Poor Dirt Roads
- - - Trails
- Interstate Highway
- ORV Trails
- Motorcycle Trails
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- Stream
- Stand Boundaries

**Forest Stands**

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**Non-Forest Stands**

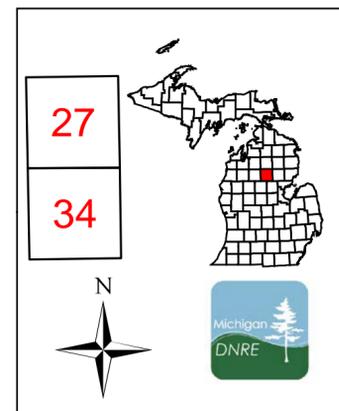
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# Dedicated & Proposed Special Conservation Area Map

Compartment 088  
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 Stand Examiner: Jason Lewicki  
 Map Revised: 8/27/2010  
 Map Phase: Pre-Review



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

**Legend**

- Miris Corners
- Remonumented Section Corners

**Proposed Special Conservation Areas**

- SCA - Special Conservation Area
- SCA Removal

**Dedicated Special Conservation Areas**

- Wildlife Management Areas
- Stand Boundaries

**Forest Stands**

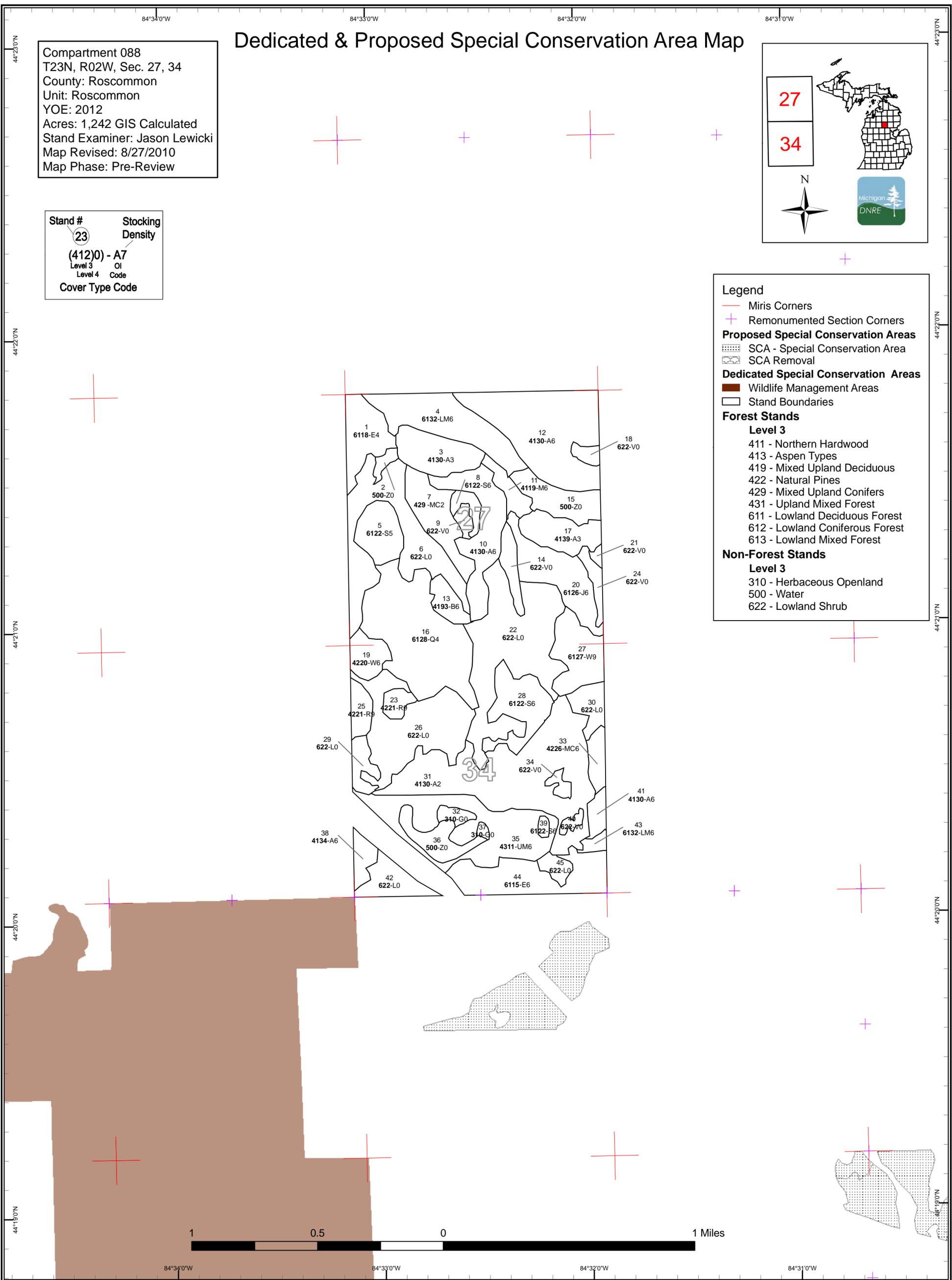
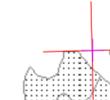
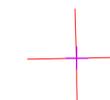
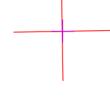
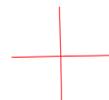
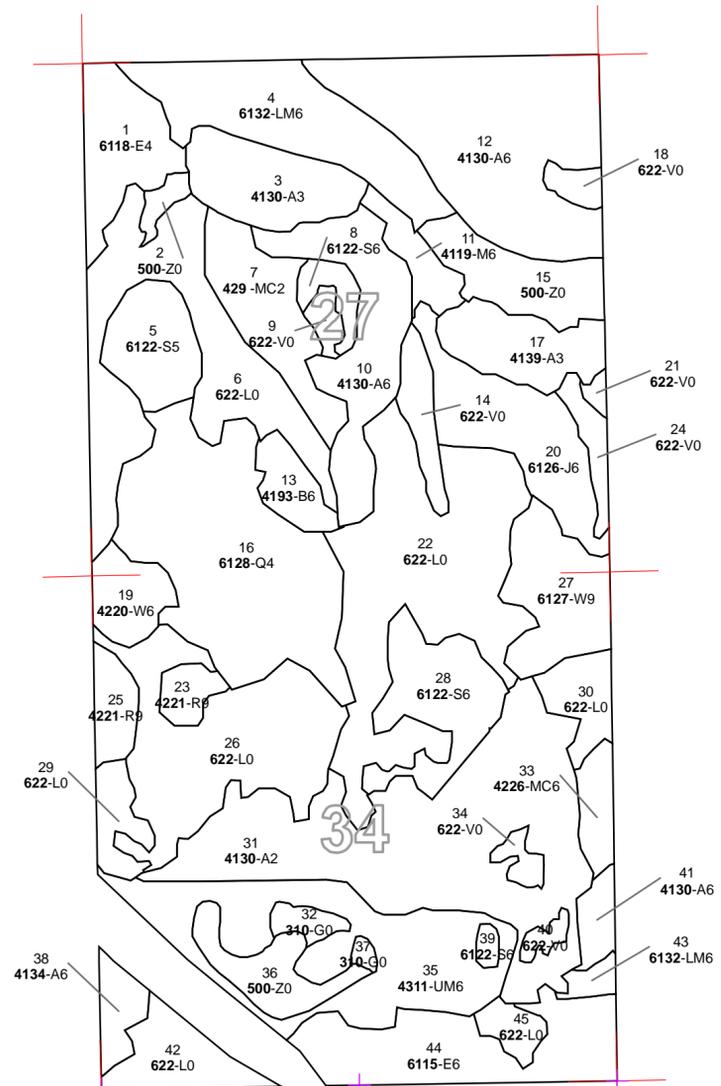
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**Non-Forest Stands**

**Level 3**

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**Table 1 – Total Acres by Cover Type and Age Class**

Data updated before 10:00 AM



	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	128	55	0	89	61	0	0	0	0	0	0	0	0	0	332
Bog	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0	39
Lowland Conifers	0	0	0	0	0	97	0	0	0	32	0	0	0	0	0	128
Lowland Deciduous	0	0	0	0	0	0	77	0	0	0	0	0	0	0	0	77
Lowland Mixed Forest	0	0	0	0	0	0	56	0	0	0	0	0	0	0	0	56
Lowland Shrub	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	288
Lowland Spruce/Fir	0	0	0	0	0	23	39	2	0	0	0	0	0	0	0	64
Natural Mixed Pines	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	10
Northern Hardwood	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
Paper Birch	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11
Red Pine	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	18
Upland Conifers	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	31
Upland Mixed Forest	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	71
Water	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
White Pine	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	15
<b>Total</b>	<b>379</b>	<b>128</b>	<b>55</b>	<b>0</b>	<b>89</b>	<b>318</b>	<b>211</b>	<b>2</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1242</b>



## Table 2 – Proposed Treatment Summaries

Data updated before 10:00 AM

Roscommon Mgt. Unit  
Year of Entry 2012

Compartment 088  
Total Compartment Acres: 1242

### Acres by Treatment Type

Commercial Harvest - 89	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
Aspen	89	0	0	0	0	0	89
Total	89	0	0	0	0	0	89



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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12	71088012-Cut	89.1	4130 - Aspen	High Density Pole	35	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription: Final harvest and regenerate aspen. Leave all oak, white pine and some balsam fir. Leave retention along swamp edge where balsam fir is thick. Use rabbittat spec along edge of cedar stand. There was good snowshoe sign in that stand(cedars) in the winter at time of inventory.

Other Comments: Join with stand and compartment 87 to the east. Decide entry year at review????

Next Steps:

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**Total Treatment  
 Acreage Proposed: 89.1**



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

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

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**Total Treatment**  
**Acres Proposed: 0**

Data updated before 10:00 AM

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2012



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

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**Total Treatment  
Acreage Proposed:        0**

S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 088	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Data updated before 10:00 AM	
1	6118 - Lowland Deciduous with Cedar	Low Density Pole	27.8	55			
3	4130 - Aspen	High Density Sapling	29.8	15			A3 stand with some red maple and white pine.
4	6132 - Mixed Lowland Forest with Cedar	High Density Pole	51.8	58	51-80		Mixed stand of cedar and black ash. A few birch, red maple and white pine present. Heavy tag alder in understory. Some standing (frozen) water at time of inventory. Heavy EAB infestation. Decent amount of snowshoe sign.
5	6122 - Black Spruce	Medium Density Pole	23.1	40			
7	429 - Mixed Upland Conifers	Medium Density	31.1	40			Somewhat open bog in areas with scattered clumps of aspen, white pine and black spruce.
8	6122 - Black Spruce	High Density Pole	6.9	50	51-80		
10	4130 - Aspen	High Density Pole	44.0	40	51-80		Quaking aspen stand on higher water table. Some hypoxylon evident, Stand was probably regenerated from the "KG" activities in and around 1970.
11	4119 - Mixed Northern Hardwoods	High Density Pole	11.0	40			
12	4130 - Aspen	High Density Pole	89.1	35	51-80		Quaking aspen stand growing well on a good site. Some bigtooth aspen, scattered red maple and white pine. Some large white pine found scattered and along the south edge along swamp. Balsam fir in understory as well as red maple and a few beech. Hypoxylon and heart rot (conks) setting in and causing mortality. Final harvest leaving all oak, white pine and some balsam fir. Leave retention along swamp edge where balsam fir is thick. Use rabbit spec along edge of cedar stand. There was good snowshoe sign in that stand (cedars) in the winter at time of inventory.
13	4193 - Birch, Aspen	High Density Pole	11.4	80	81-110		Mix of birch, red maple and bigtooth aspen. Some balsam fir and spruce in understory especially to the NW. Possibly habitat cut and regenerate to aspen.
16	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	96.6	40	1-50		Somewhat open stand with clumps of aspen or black spruce. Areas of bog. Old timber sale records indicated area was "KG" bladed in and around 1970.
17	4139 - Aspen, Mixed Deciduous	High Density Sapling	24.7	15			Young aspen/red maple stand with some black spruce and white pine.
19	42200 - Natural White Pine	High Density Pole	14.7	40	81-110		Younger red maple and white pine with some older red and white pine super canopy trees. Old timber sale records indicate area was "KG" bladed while leaving all the red and white pine.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	6126 - Lowland Jack Pine	High Density Pole	39.4	50	51-80	Mixed stand of black spruce and jack pine on a high water table. Humocky ground. A 1-2 acre patch of natural red pine sawtimber stand within. Possibly operable, look at next entry period.
23	42210 - Natural Red Pine	High Density Log	7.1	85	200+	Very nice, natural red and white pine stand. High basal area. Island, no access.
25	42210 - Natural Red Pine	High Density Log	10.4	85	51-80	East side of stand has more maple and white pine. Heavy balsam fir understory. Stand fades to higher nice red pine stand that goes into the next compartment(86).
27	6127 - Lowland Pine	High Density Log	31.7	80	81-110	White pine stand on humocky ground with some ares of younger aspen mixed in. Younger aspen age class is probably from the "KG" activities in and around 1970.
28	6122 - Black Spruce	High Density Pole	32.4	50	1-50	
31	4130 - Aspen	Medium Density	127.8	6		Aspen stand mixed with red maple. Some scattered oak and white pine. Multiple low wet runs and swales.
33	42260 - Natural Pine, Mixed Deciduous	High Density Pole	9.8	40	51-80	White pine stand with some Larger red and white pine present. red pine sawtimber is found scattered and in clumps along the west edge.
35	4311 - Pine, Aspen Mix	High Density Pole	70.9	40	51-80	Mix of quaking aspen and white pine. Some scattered red maple. Some patches of large white pine 20+".
38	4134 - Aspen, Spruce/Fir	High Density Pole	9.4	40		
39	6122 - Black Spruce	High Density Pole	2.1	68	51-80	
41	4130 - Aspen	High Density Pole	7.3	40	51-80	Mostly bigtooth aspen with some super canopy red pine, white pine and oak.
43	6132 - Mixed Lowland Forest with Cedar	High Density Pole	4.0	55	1-50	Mixed "E/Q" type. A few oaks and beech in understory in higher spots.
44	6115 - Lowland Ash	High Density Pole	49.0	50	51-80	Black ash swamp with open areas filled with tag alder. Heavy EAB infestation.



Stand	Cover Type	Acres	Gen Cmts:
2	50 - Water	4.0	
6	622 - Lowland Shrub	69.7	
9	6225 - Bog	4.2	
14	6225 - Bog	11.2	
15	50 - Water	25.5	Flooded cedar stand from beavers. Multiple wood duck nesting boxes.
18	6225 - Bog	4.7	
21	6225 - Bog	1.8	
22	6229 - Mixed lowland shrub	99.5	Multiple active beaver lodges in nw corner of stand.
24	6225 - Bog	7.6	
26	622 - Lowland Shrub	69.3	
29	622 - Lowland Shrub	10.7	
30	6229 - Mixed lowland shrub	13.2	
32	3102 - Grass	5.0	
34	6225 - Bog	4.2	
36	50 - Water	17.9	Walleye rearing ponds.
37	3102 - Grass	1.6	
40	6225 - Bog	3.0	
42	622 - Lowland Shrub	19.0	



Stand	Cover Type	Acres	Gen Cmts:
45	622 - Lowland Shrub	6.8	



**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.

*Data updated before 10:00 AM*

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.

*Data updated before 10:00 AM*

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.