



## SAULT FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 62 ENTRY YEAR: 2013

Compartment Acreage: 1660 County: Chippewa

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**Revision Date:** 08/11/2011

**Stand Examiner:** Matt Edison, Cory Luoto, Steve Crigier

**Legal Description:** T43N R2E Sec 25, 26, 27, 35, 36

**Management Goals:** This block, acquired in 2006, will be maintained as deer yard with possible cedar treatments in the future. There is very little upland to manage but treatments will be prescribed as needed for habitat and silvicultural management.

**Soil and Topography:** Kalkaska-Rubicon well drained sandy soil west on the ridge of the Gogomain swamp. Markey-Dawson poorly drained muck down off the ridge in the swamp.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Private land on the south, west, and east side, very little upland with camps, and vacant property. North and east sides are surrounded by vast lowland conifer swamp referred to as the Gogomain Swamp. The north boundary is State land. Hunting and trapping are the primary uses.

**Unique, Natural Features:** The Gogomain ridge is a steep ridge separating upland sand plains and lowland cedar. It extends for approx ten miles in a prominent north west - south east line. The rich conifer swamp has the potential for many T & E species. MNFI is consulted before any management is prescribed.

**Archeological, Historical, and Cultural Features:** None known at this time.

**Special Management Designations or Considerations:** Deer yard, SCA

**Watershed and Fisheries Considerations:** The South Branch Gogomain River, a warm transitional river, is adjacent to this compartment. No treatments are scheduled near the stream, so Fisheries has no concerns at this time.

**Wildlife Habitat Considerations:** Compartment 62 is located north of M-48 northwest of Goetzville in the Gogomain swamp. Lowland conifer swamp composed primarily of white cedar dominates. Other common species include black spruce, tamarack, and scattered white pine. The composition is typical of the swamp. On the west end, a sandy ridge rises out of the swamp and supports a mix of maple, aspen, birch, and spruce. The southern end contains a mix of aspen, maple, hemlock, and other species as the terrain rises out of the swamp. Wildlife species use includes white-tailed deer, black bear, bobcat, coyote, fisher, marten, hawks, chickadees, and thrushes.

This compartment is part of a larger holding that was recently purchased as part of the deer range improvement program. Wildlife goals are to develop a management plan that will include revitalizing the deer yard in this area.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of peat and muck and minor lacustrine (lake) sand and gravel. The glacial drift thickness varies between 50 and 100 feet. The Silurian Manitoulin Dolomite, Cabothead Shale and Burnt Bluff Group subcrop below the glacial drift. The Manitoulin and Burnt Bluff are quarried for stone elsewhere in the UP. The nearest gravel pit is located 1.5 miles to the northeast and potential appears limited. There is no economic oil and gas production in the UP.

**Vehicle Access:** M-48 borders the compartment on the south side and a two track extends into the compartment for less than a mile. E. Sand Ridge Road borders a small parcel that extends to the west from the main compartment. There is a two track entering here also but it is gated unnecessarily.

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

**Recreational Facilities and Opportunities:** None

**Fire Protection:** There is no water near the compartment. Raber Bay is only two miles west, however, it is several miles to access the bay from Raber. One two track enters the compartment from M-48.

**Additional Compartment Information:**

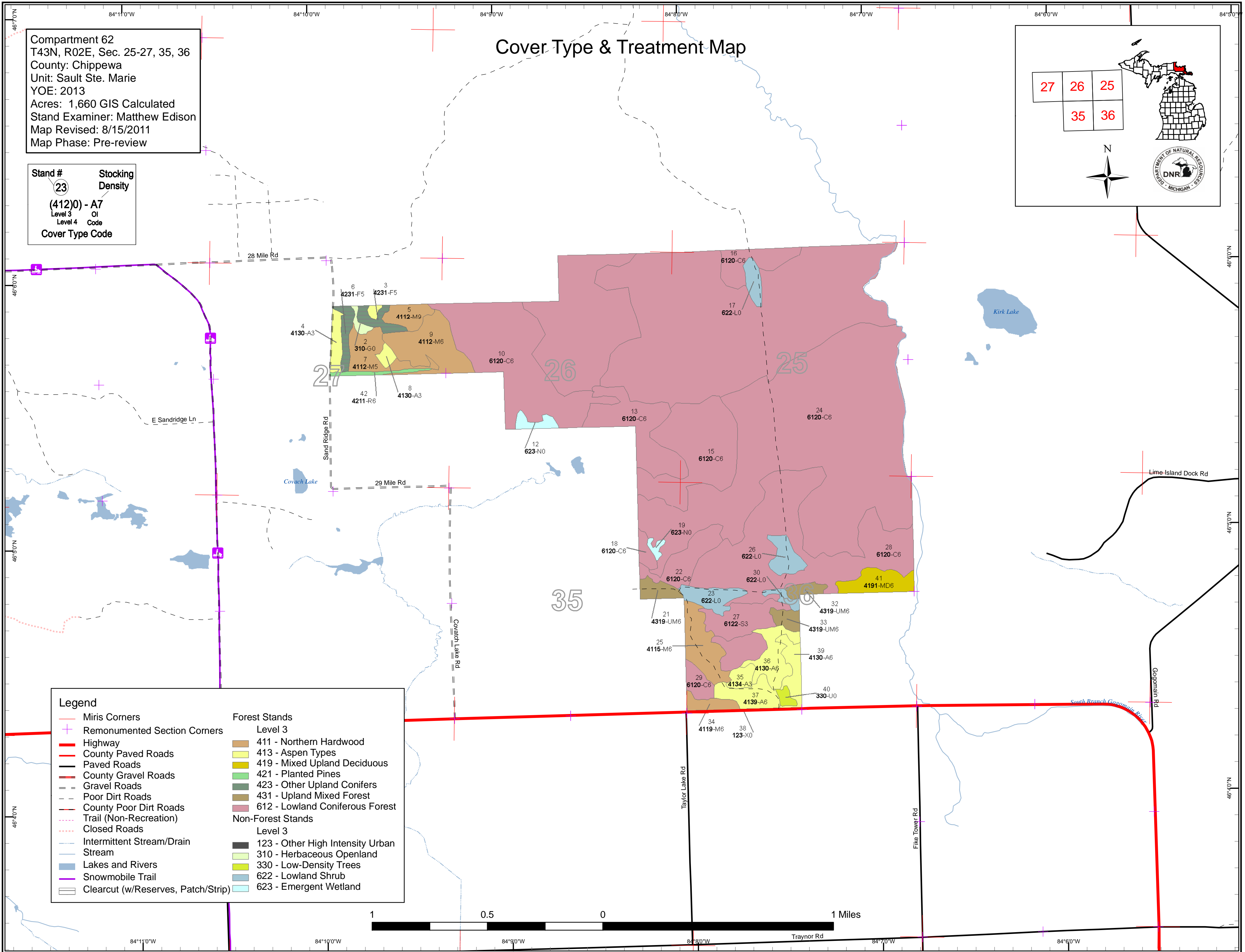
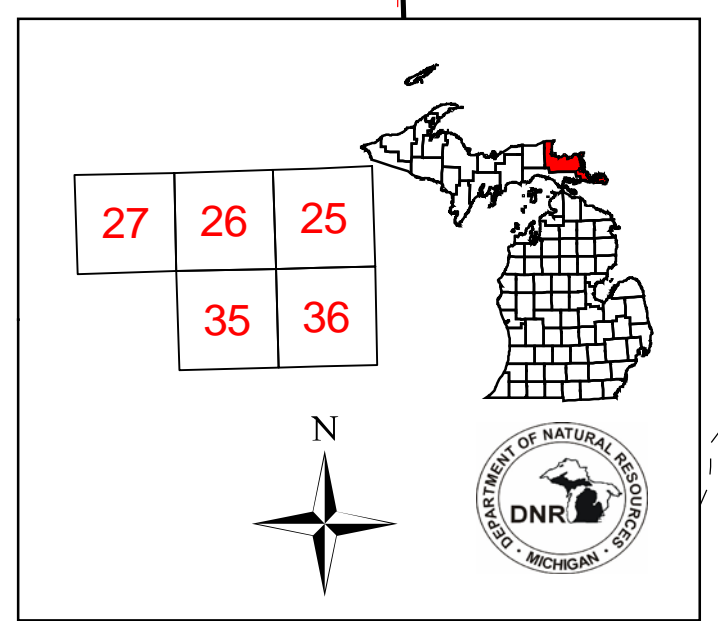
- **Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Listing – Forested**
  - ◆ **Stand Listing – Non Forested**
  - ◆ **Special Conservation Area (SCA) Details**
  
- **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**
  - ◆ **SCA – Special Conservation Areas**

# Cover Type & Treatment Map

Compartment 62  
 T43N, R02E, Sec. 25-27, 35, 36  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 YOE: 2013  
 Acres: 1,660 GIS Calculated  
 Stand Examiner: Matthew Edison  
 Map Revised: 8/15/2011  
 Map Phase: Pre-review

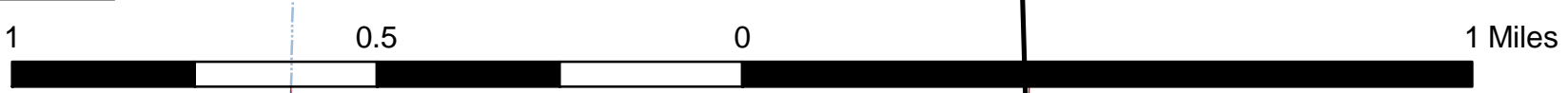
Stand #  
 (23)  
 Level 3  
 Level 4  
 Cover Type Code

Stocking  
 Density  
 (4120) - A7  
 OI  
 Code



**Legend**

<ul style="list-style-type: none"> <li>— Miris Corners</li> <li>⊕ Remonumented Section Corners</li> <li>— Highway</li> <li>— County Paved Roads</li> <li>— Paved Roads</li> <li>— County Gravel Roads</li> <li>— Gravel Roads</li> <li>— Poor Dirt Roads</li> <li>— County Poor Dirt Roads</li> <li>— Trail (Non-Recreation)</li> <li>— Closed Roads</li> <li>— Intermittent Stream/Drain</li> <li>— Stream</li> <li>— Lakes and Rivers</li> <li>— Snowmobile Trail</li> <li>— Clearcut (w/Reserves, Patch/Strip)</li> </ul>	<p><b>Forest Stands</b></p> <p>Level 3</p> <ul style="list-style-type: none"> <li>411 - Northern Hardwood</li> <li>413 - Aspen Types</li> <li>419 - Mixed Upland Deciduous</li> <li>421 - Planted Pines</li> <li>423 - Other Upland Conifers</li> <li>431 - Upland Mixed Forest</li> <li>612 - Lowland Coniferous Forest</li> </ul> <p><b>Non-Forest Stands</b></p> <p>Level 3</p> <ul style="list-style-type: none"> <li>123 - Other High Intensity Urban</li> <li>310 - Herbaceous Openland</li> <li>330 - Low-Density Trees</li> <li>622 - Lowland Shrub</li> <li>623 - Emergent Wetland</li> </ul>
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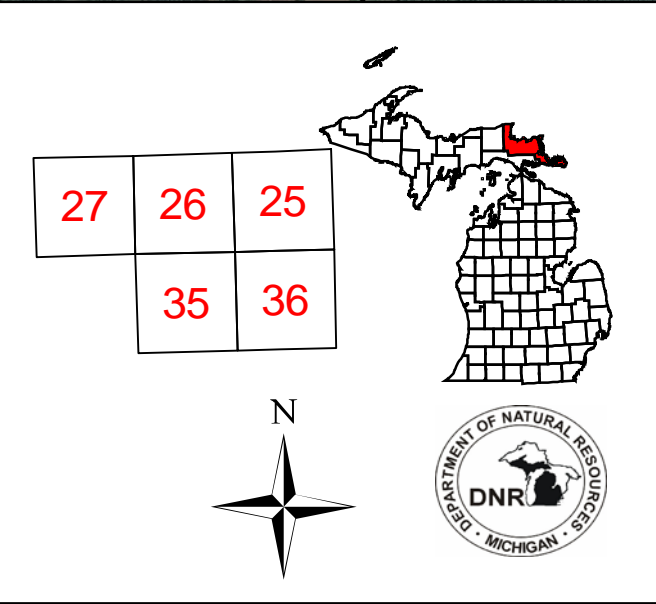




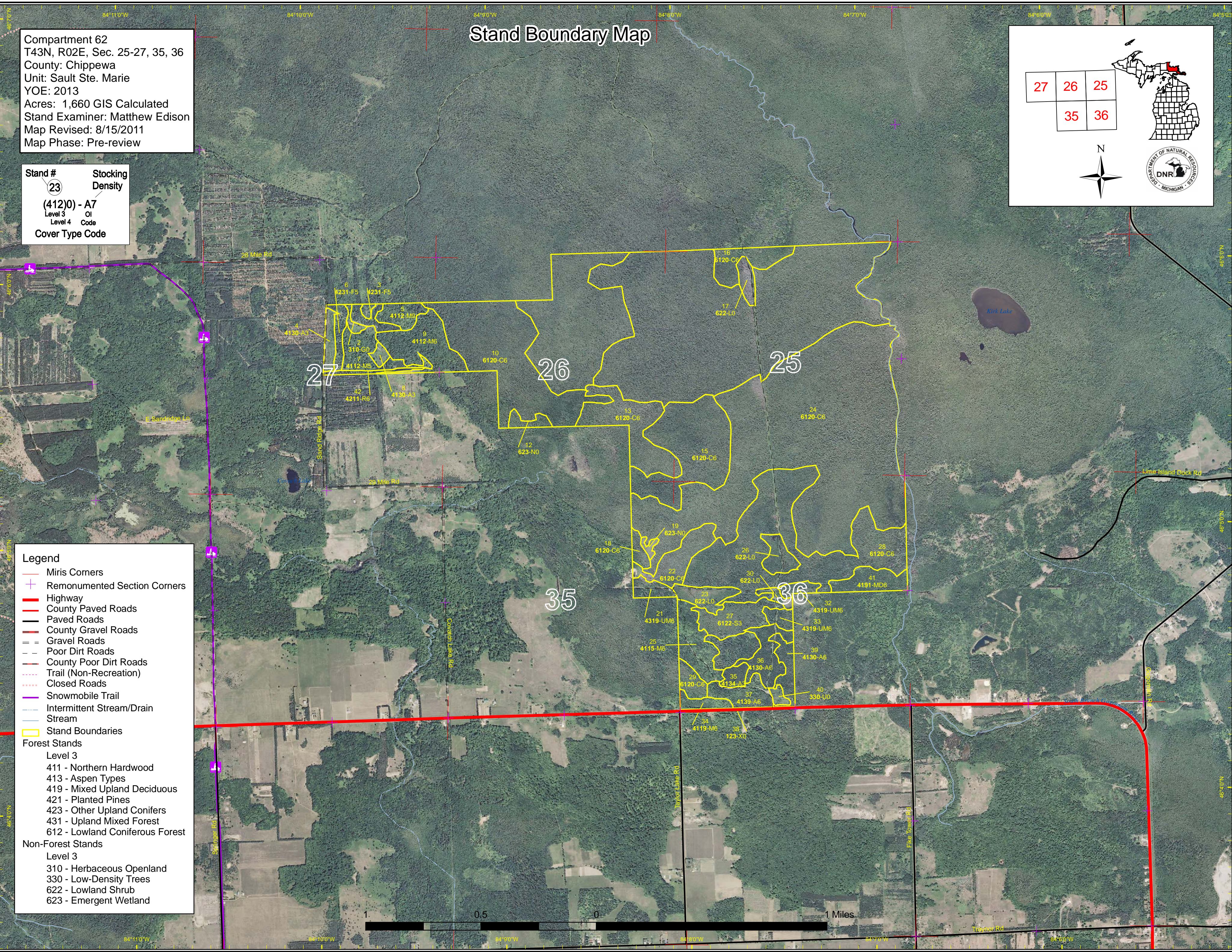
# Stand Boundary Map

Compartment 62  
 T43N, R02E, Sec. 25-27, 35, 36  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 YOE: 2013  
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 Stand Examiner: Matthew Edison  
 Map Revised: 8/15/2011  
 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
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Snowmobile Trail
  - Intermittent Stream/Drain
  - Stream
  - Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 423 - Other Upland Conifers
  - 431 - Upland Mixed Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 310 - Herbaceous Openland
  - 330 - Low-Density Trees
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland

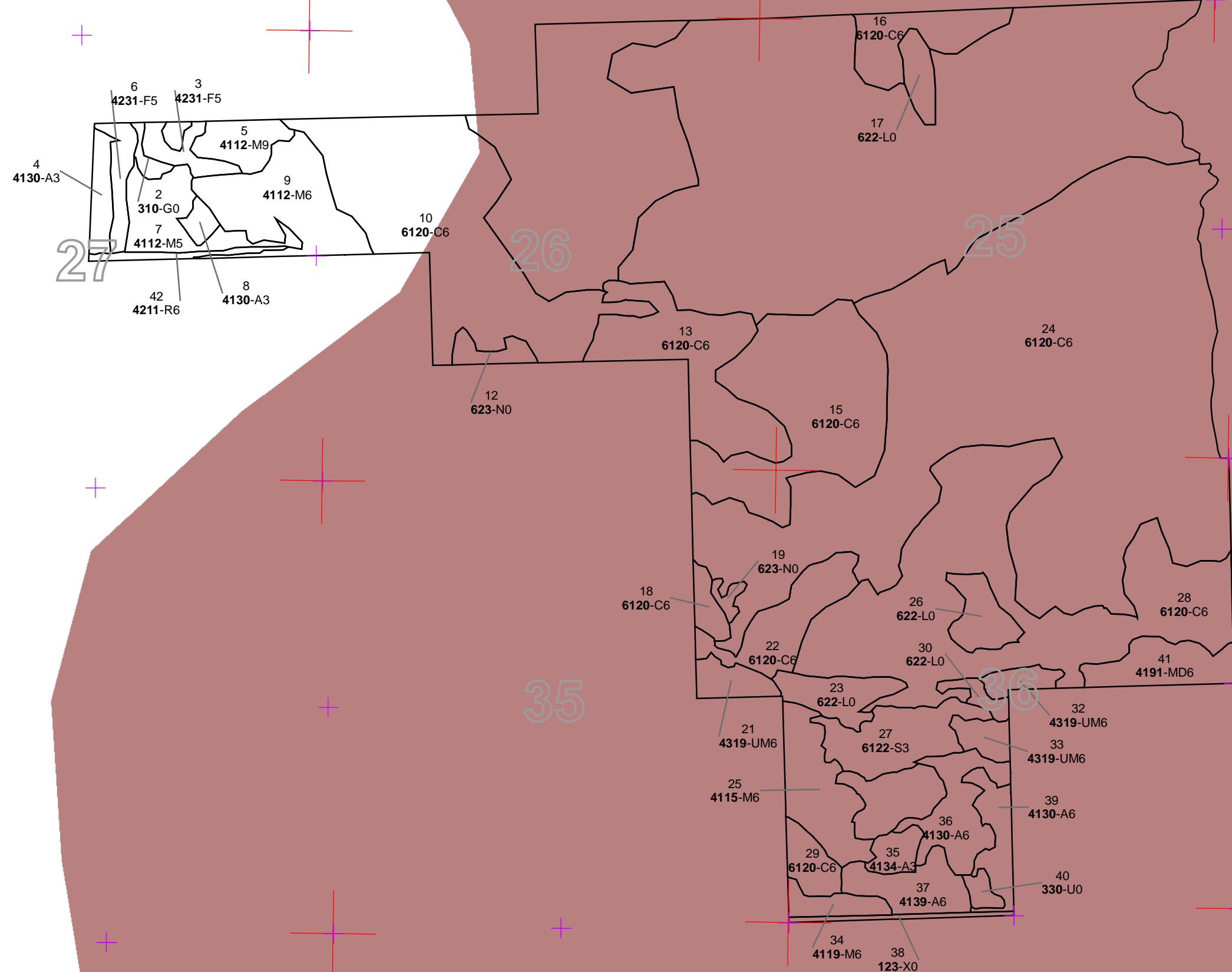
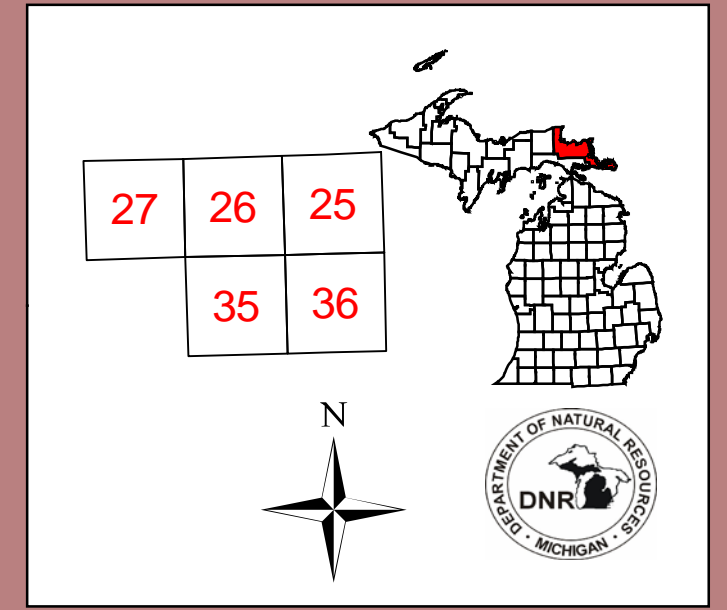




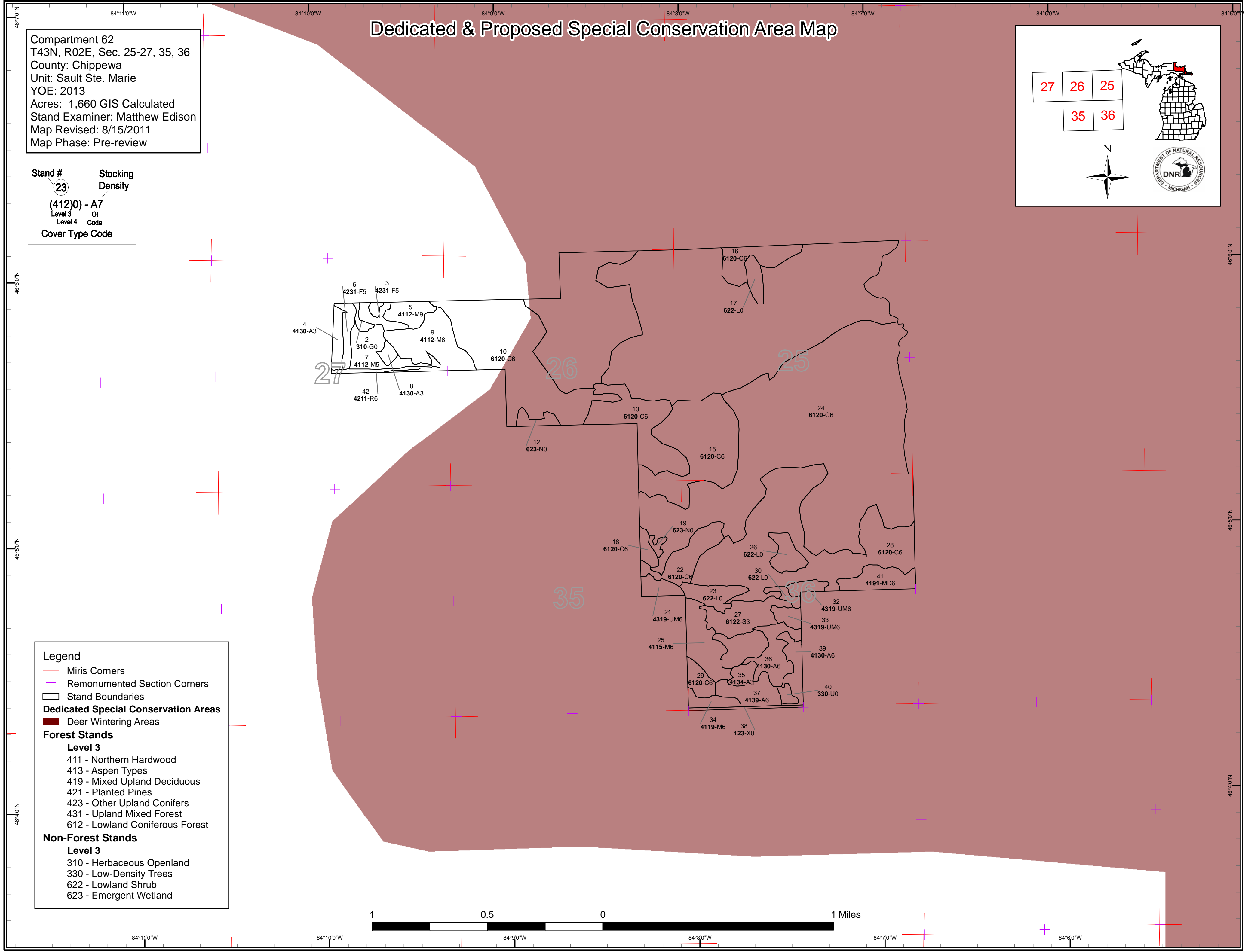
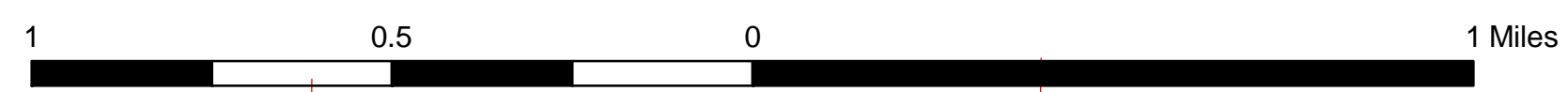
# Dedicated & Proposed Special Conservation Area Map

Compartment 62  
 T43N, R02E, Sec. 25-27, 35, 36  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 YOE: 2013  
 Acres: 1,660 GIS Calculated  
 Stand Examiner: Matthew Edison  
 Map Revised: 8/15/2011  
 Map Phase: Pre-review

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



- Legend**
- Miris Corners
  - ⊕ Remonumented Section Corners
  - Stand Boundaries
  - Dedicated Special Conservation Areas**
  - Deer Wintering Areas
  - Forest Stands**
  - Level 3**
  - 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 423 - Other Upland Conifers
  - 431 - Upland Mixed Forest
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  - Non-Forest Stands**
  - Level 3**
  - 310 - Herbaceous Openland
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  - 622 - Lowland Shrub
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**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 +		Unretn Age
Aspen	0	0	17	22	0	16	0	12	0	0	0	0	0	0	0	67
Cedar	0	0	0	0	0	0	0	0	0	401	36	279	229	385	0	1331
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Lowland Spruce/Fir	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	24
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Northern Hardwood	0	0	0	0	0	0	11	89	0	0	0	0	0	0	0	100
Red Pine	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Tamarack	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	15
Upland Mixed Forest	0	0	0	0	5	0	0	6	0	8	0	0	0	0	0	19
Upland Spruce/Fir	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	20
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>52</b>	<b>0</b>	<b>17</b>	<b>22</b>	<b>5</b>	<b>69</b>	<b>29</b>	<b>127</b>	<b>0</b>	<b>409</b>	<b>36</b>	<b>279</b>	<b>229</b>	<b>385</b>	<b>0</b>	<b>1660</b>



## Table 2 – Proposed Treatment Summaries

**Sault Ste. Marie Mgt. Unit**  
**Year of Entry 2013**

**Compartment 062**  
**Total Compartment Acres: 1660**

### Acres by Treatment Type

Commercial Harvest - 15	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
Upland Spruce/Fir	15	0	0	0	0	0		15
Total	15	0	0	0	0	0		15



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	45062003-Cut	7.4	42310 - Planted Spruce	Medium Density Pole	58	Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal

Prescription: Clearcut all trees to facilitate regeneration.

Specs: WLD: Allow natural regeneration to occur.

Other

Comments:

Next Prep site for replanting red pine. Burn, trench, and plant. Survey for potential site prep spraying if needed.

Steps:

6	45062006-Cut	7.9	42310 - Planted Spruce	Medium Density Pole	58	Harvest	Clearcut	42320 - Upland Spruce	Cmpt. Review Proposal
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Prescription: Clearcut all trees to facilitate regeneration.

Specs: WLD: Allow natural regeneration to occur.

Other

Comments:

Next Prep site for replanting red pine. Burn, trench, and plant. Survey for potential site prep spraying if needed.

Steps:

**Total Treatment  
Acreage Proposed: 15.3**



**Table 4 -- Treatments Prescribed with a Limiting Factor**



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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 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
<b>45158_OutOfYOE-Cut</b>	2.5				Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription:</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some larger canopy gaps may be desirable to enhance the advanced regeneration present. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce and white pine.								
<b>NF_45134015-NonFor</b>	4.7	Unspecified		0	Non-Forest Management	Patch or Strip Clearcut	31021 - Cool Season Grass	Cmpt. Review Proposal
<u>Prescription:</u> Treat with C149 s 63. Opening maintenance removing jack pine seedlings and saplings. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u>								
<b>Total Treatment Acreage Proposed:</b>		<b>7.2</b>						



S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 062 Year of Entry: 2013	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		
1	4130 - Aspen	High Density Sapling	1.7	21		Aspen that was clear cut. Somewhat sparse stand.	
3	42310 - Planted Spruce	Medium Density Pole	7.4	61	111-140		
4	4130 - Aspen	High Density Sapling	7.6	13		NE part of stand has medium-low stocking.	
5	4112 - Maple, Beech, Cherry Association	High Density Log	11.4	52	51-80	Stand looks like it was hammered hard in the past. There is low BA of merchantable dia. Thick 1" dia understory. Poor residual. Not a real good stand yet.	
6	42310 - Planted Spruce	Medium Density Pole	12.9	61	111-140		
7	4112 - Maple, Beech, Cherry Association	Medium Density Pole	20.2	61	51-80	Stand has had aspen removed approx. 10 years ago. Patches of A3 throughout.	
8	4130 - Aspen	High Density Sapling	3.3	13			
9	4112 - Maple, Beech, Cherry Association	High Density Pole	36.5	64	81-110	East- Wetter ground w/ vernal ponds. knarly trees of poor quality. West- Less so	
10	6120 - Lowland Cedar	High Density Pole	113.3	104			
11	6120 - Lowland Cedar	High Density Pole	119.1	104		Small diameter cedar with mix of tamarack and black spruce.	
13	6120 - Lowland Cedar	High Density Pole	47.0	103		Mix of cedar/ spruce/ fir with r.m. on higher ground areas.	
14	6120 - Lowland Cedar	Medium Density Pole	364.6	123		Mostly smaller cedar less than 2 sticks. Cedar regen is coming in in places. Large W.P. residual.	
15	6120 - Lowland Cedar	High Density Pole	80.8	114		Edge Call- Same mix as surrounding stand, but appears to have more w.p. in overstory. Small diameter cedar. Very wet.	
16	6120 - Lowland Cedar	High Density Pole	20.6	142		Wet cedar stand. Alot of tipped trees. Large W.P. residual scattered. Small birch. Age is from multiple cores that were near impossible to count.	
18	6120 - Lowland Cedar	High Density Pole	5.3	93		Wet ground cedar. Scattered W.P. Small R.M. along edges & scattered high ground. Poor quality.	
21	4319 - Mixed Upland Forest	High Density Pole	7.9	89		Mixed bag stand along rd. Poor quality R. Maple & scattered cedar. Low BA in most areas.	
22	6120 - Lowland Cedar	High Density Pole	21.7	94		Verywet stand of cedar w/ some tamarack. Somewhat sparse is some places and thick in the center. Do not go Here!!!	





S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 062
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013
						General Comments:
24	6120 - Lowland Cedar	High Density Pole	401.3	84		Very Wet Cedar Stand - Some flooding in northern part of stand.
25	4115 - Y.Birch, Hemlock NH	High Density Pole	25.1	64	51-80	Some small aspen inclusions within stand. look at marking in 10-20 years. Good road through stand.
27	6122 - Black Spruce	High Density Sapling	24.4	47		Wet Black Spruce stand- Some larger trees along perimeter (4-6") but overall sapling stand
28	6120 - Lowland Cedar	High Density Pole	148.5	111		dense cedar w/ mix of tamarack, spruce, w. birch, & balsm. Not much understory, small dia. Small amount of W.P. in this stand.
29	6120 - Lowland Cedar	High Density Pole	8.9	91		Stand of low ground dense cedar.
31	6121 - Tamarack	Medium Density Pole	15.1	47		Drainage area with mix of Tamarack, spruce, and balm. Very wet stand, small dia & heights.
32	4319 - Mixed Upland Forest	High Density Pole	5.3	38		Stand of healthy small diameter aspen/spruce. Hold and check in 10 years.
33	4319 - Mixed Upland Forest	High Density Pole	6.1	64		Stand of healthy aspen with conifer mix. Hold for 10 years and consider harvest then.
34	4119 - Mixed Northern Hardwoods	High Density Pole	7.1	64		Stand of relatively small dia. hardwoods. Predominantly R.M. Some conifer scattered throughout and along edges.
35	4134 - Aspen, Spruce/Fir	High Density Sapling	6.0	18		Stand of healthy, smaller diameter aspen/spruce. hold in check for 10 years.
36	4130 - Aspen	High Density Pole	20.1	20		Ok looking Aspen regen.
37	4139 - Aspen, Mixed Deciduous	High Density Pole	16.1	42		Small aspen w/ maple and birch scattered throughout.
39	4130 - Aspen	High Density Pole	11.7	66		Look at harvest in 10-20 years. Pretty healthy now, decent access.
41	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	17.4	54	81-110	Stand of good quality aspen mixed with some R.M. and other. Hold 10 years and consider clear cut to regenerate aspen.
42	42110 - Planted Red Pine	High Density Pole	12.9	43		Nice healthy stand, trees have good height.







Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	310 - Herbaceous Openland	2.6			
12	623 - Emergent Wetland	5.4			
17	622 - Lowland Shrub	7.4			
19	623 - Emergent Wetland	2.3			
23	622 - Lowland Shrub	13.2			
26	622 - Lowland Shrub	11.3			
30	622 - Lowland Shrub	3.7			
38	123 - Other High Intensity Urban	3.2			
40	330 - Low-Density Trees	3.0			





### 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
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**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.