



**SAULT FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 60 ENTRY YEAR: 2013

Compartment Acreage: 1,775 County: Chippewa

Revision Date: 08/11/2011

Stand Examiner: Matt Edison, Cory Luoto, Steve Crigier

Legal Description: T43N R2E Sec 9, 10, 11, 14, 15, 16

RMU: Gogomain

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 side, very little upland with camps, and vacant property. All sides are surrounded by vast lowland conifer swamp referred to as the Gogomain Swamp. The south 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 and West Branches of the Gogomain River, warm transitional streams, are adjacent to this compartment. No treatments are scheduled for this compartment, so Fisheries has no concerns at this time.

Wildlife Habitat Considerations: Compartment 60 is part of the Gogomain Swamp located east of Stalwart. The west and south branches of the Gogomain River form the northern and eastern compartment boundaries, respectively. It is situated in the Rudyard subsection of the Niagaran Escarpment and Lake Plain, and is primarily composed of lowland conifer swamp on muck soils where cedar is dominant. Other common species include black spruce, tamarack, and scattered white pine. Red maple, ash, and lowland poplar are also present in varying abundance. The composition is typical of the swamp. A number of strips of sapling-sized cedar mixed with other lowland conifers exist on the far west side; strips continue on private land to the west and are the result of historic timber production activities. 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 include developing a management plan that will address revitalization of the deer yard.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat and muck and minor lacustrine (lake) clay and silt. The glacial drift thickness varies between 100 and 200 feet. The Ordovician Big Hill and Stonington Formations subcrop below the glacial drift. These rocks could be used for stone. The nearest gravel pit is located 1.5 miles to the east and potential appears limited. There is no economic oil and gas production in the UP.

Vehicle Access: None at this time.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: None

Fire Protection: There are no roads or water near the compartment. Munuscong Bay is only two miles north, however, it is several miles to access the bay from Dan's resort.

Additional Compartment Information:

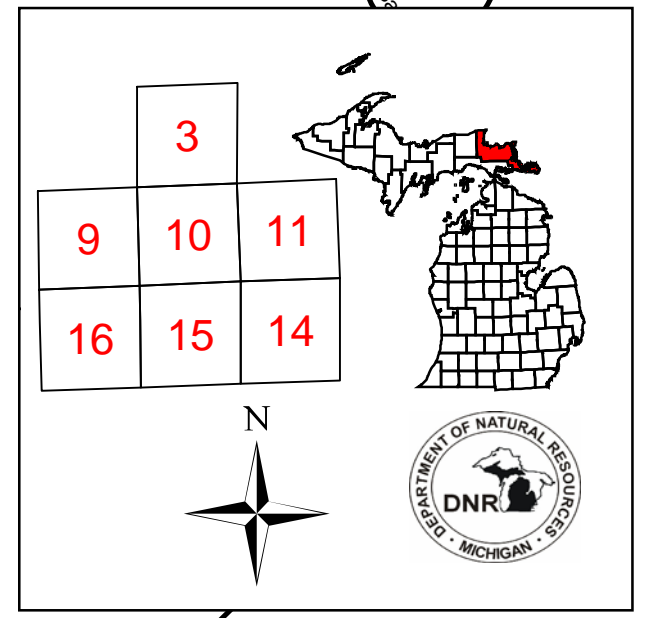
- **Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Listing – Forested**
 - ◆ **Stand Listing – Non Forested**
 - ◆ **Special Conservation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

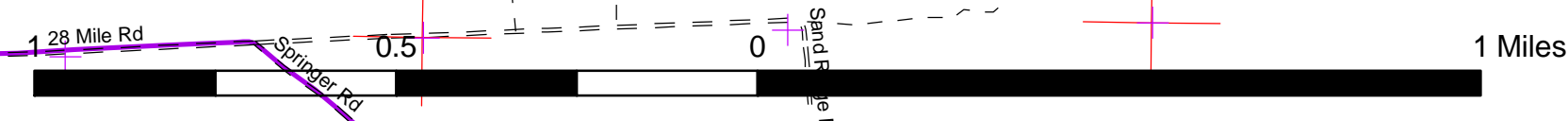
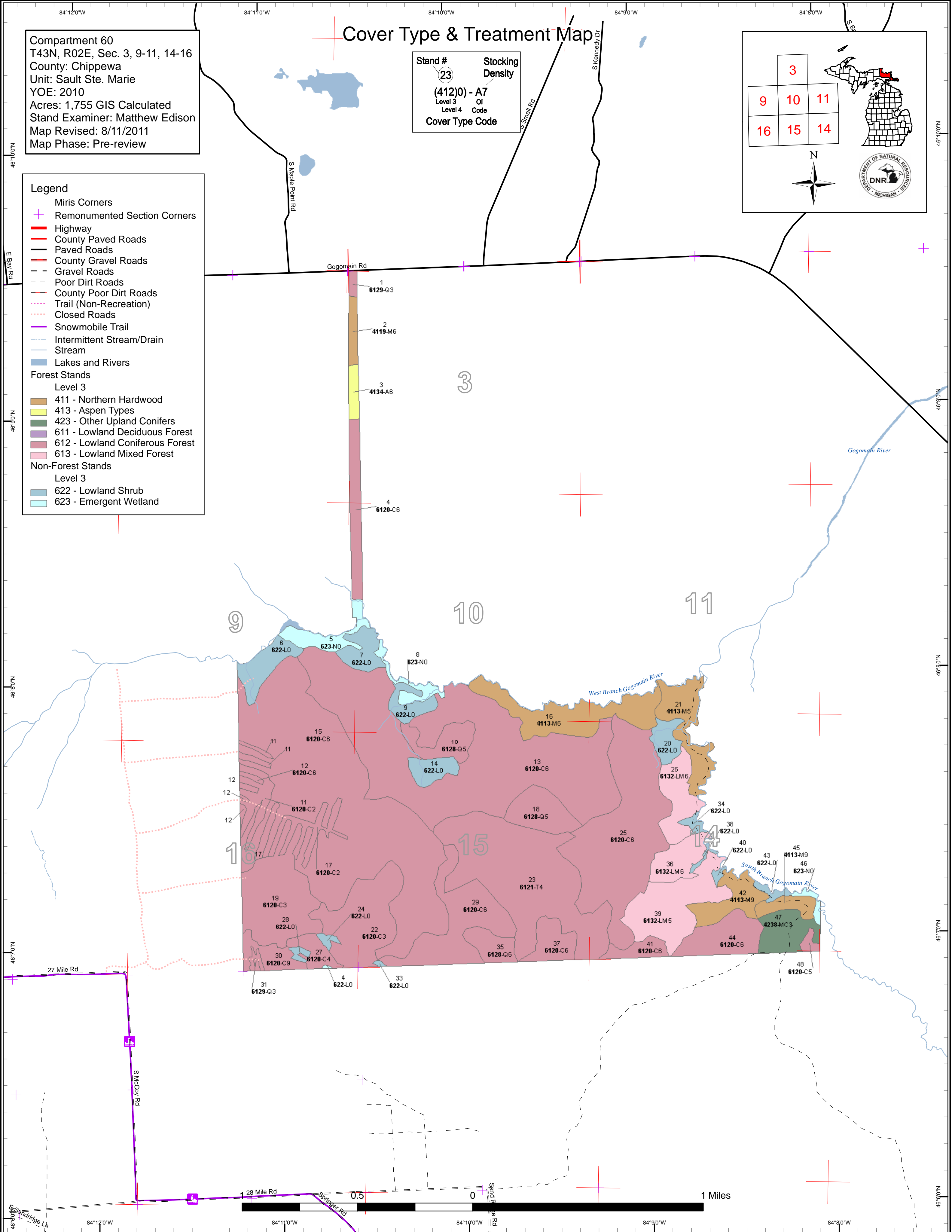
Cover Type & Treatment Map

Compartment 60
 T43N, R02E, Sec. 3, 9-11, 14-16
 County: Chippewa
 Unit: Sault Ste. Marie
 YOY: 2010
 Acres: 1,755 GIS Calculated
 Stand Examiner: Matthew Edison
 Map Revised: 8/11/2011
 Map Phase: Pre-review

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



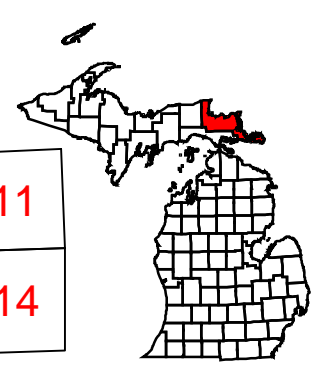
- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - Highway**
 - County Paved Roads**
 - Paved Roads**
 - County Gravel Roads**
 - Gravel Roads**
 - Poor Dirt Roads**
 - County Poor Dirt Roads**
 - Trail (Non-Recreation)**
 - Closed Roads**
 - Snowmobile Trail**
 - Intermittent Stream/Drain**
 - Stream**
 - Lakes and Rivers**
 - Forest Stands**
 - Level 3
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 423 - Other Upland Conifers
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - Non-Forest Stands**
 - Level 3
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland




Stand Boundary Map

Compartment 60
T43N, R02E, Sec. 3, 9-11, 14-16
County: Chippewa
Unit: Sault Ste. Marie
YOE: 2010
Acres: 1,755 GIS Calculated
Stand Examiner: Matthew Edison
Map Revised: 8/11/2011
Map Phase: Pre-review

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



N



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

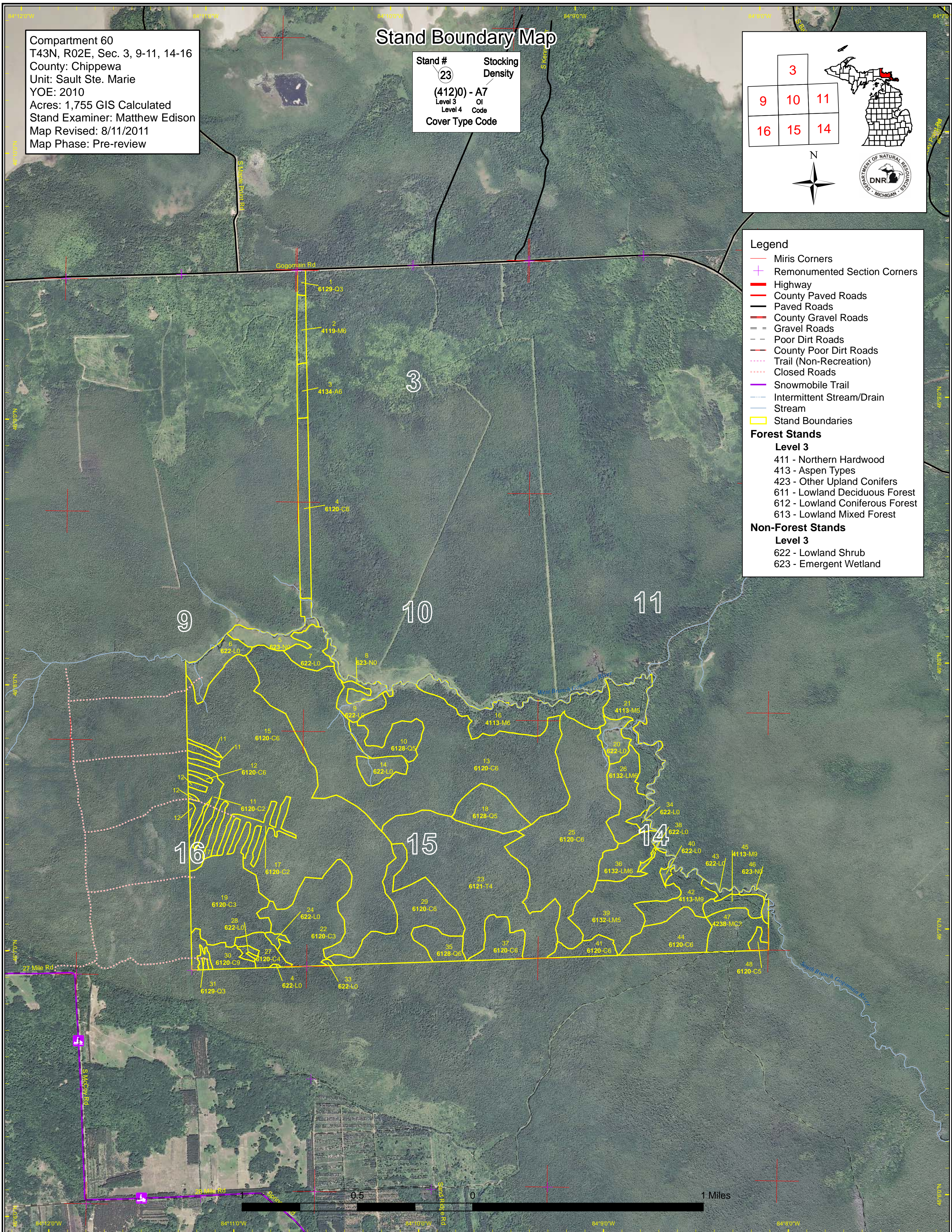
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

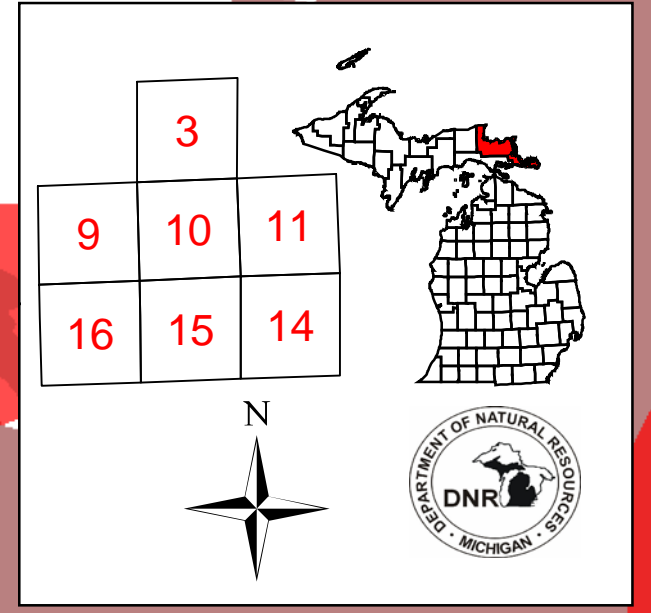
- 622 - Lowland Shrub
- 623 - Emergent Wetland



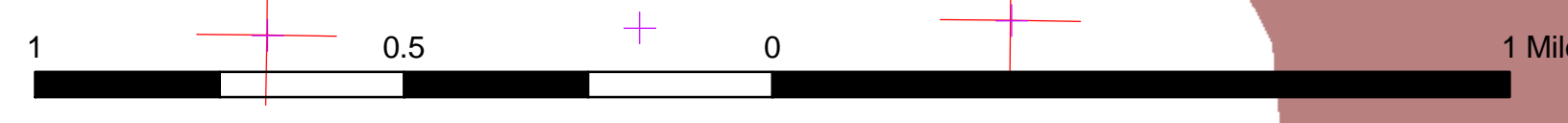
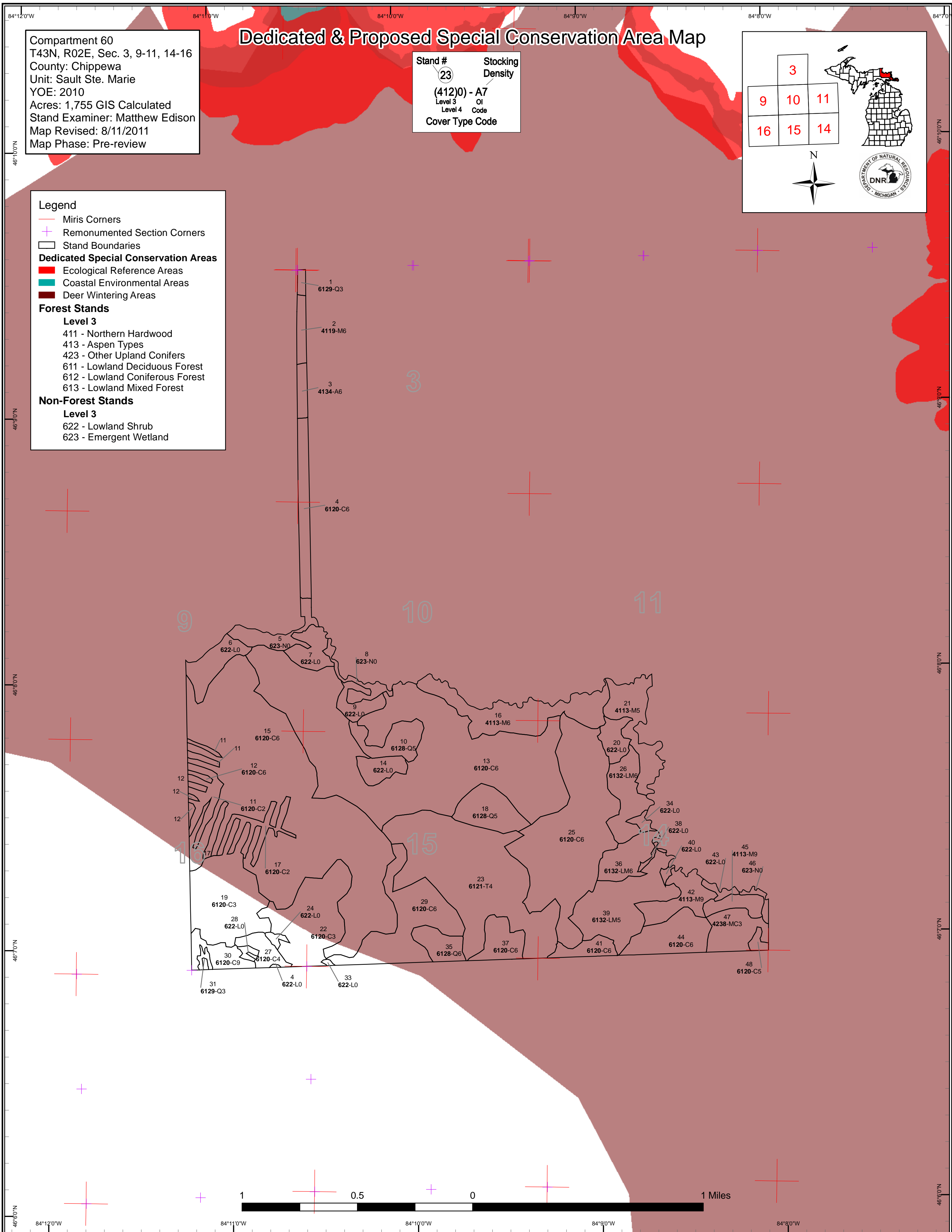
Dedicated & Proposed Special Conservation Area Map

Compartment 60
 T43N, R02E, Sec. 3, 9-11, 14-16
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2010
 Acres: 1,755 GIS Calculated
 Stand Examiner: Matthew Edison
 Map Revised: 8/11/2011
 Map Phase: Pre-review

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



- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - Stand Boundaries
- Dedicated Special Conservation Areas**
- Ecological Reference Areas
 - Coastal Environmental Areas
 - Deer Wintering Areas
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 423 - Other Upland Conifers
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 622 - Lowland Shrub
 - 623 - Emergent Wetland



84°12'0"W 84°11'0"W 84°10'0"W 84°9'0"W 84°8'0"W

46°10'0"N 46°9'0"N 46°8'0"N 46°7'0"N 46°6'0"N

Table 1 – Total Acres by Cover Type and Age Class



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Cedar	0	0	0	0	0	0	178	0	11	158	378	89	16	306	0	1136
Lowland Conifers	0	0	0	2	3	0	0	0	0	64	0	0	0	0	0	68
Lowland Mixed Forest	0	0	0	0	0	51	0	0	59	0	0	0	0	0	0	110
Lowland Shrub	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Marsh	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Northern Hardwood	0	0	0	0	0	0	35	92	8	0	0	0	0	0	0	135
Tamarack	0	0	0	0	0	157	0	0	0	0	0	0	0	0	0	157
Upland Conifers	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	24
Total	118	0	0	2	27	208	219	92	78	222	378	89	16	306	0	1755



Table 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2013

Compartment 060
Total Compartment Acres: 1755

Acres by Treatment Type

Commercial Harvest - 0	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
	#Error	#Error	#Error	#Error	#Error	#Error	#Error
Total	#Error	#Error	#Error	#Error	#Error	#Error	#Error

**Table 3 -- Treatments Prescribed
with No Limiting Factor**



S
t
a
n
d

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

#Error

Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

S
t
a
n
d

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

#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0

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

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45158_OutOfY OE-Cut	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.								
NF_45134015- NonFor	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>								
Total Treatment Acreage Proposed:		7.2						



Stand	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 060 Year of Entry: 2013	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	2.5	35		Primarily a young cedar stand, however there are a few scattered mature trees.	
2	4119 - Mixed Northern Hardwoods	High Density Pole	7.6	78			
3	4134 - Aspen, Spruce/Fir	High Density Pole	6.6	53			
4	6120 - Lowland Cedar	High Density Pole	23.8	93			
10	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	20.9	83			
11	6120 - Lowland Cedar	Medium Density	20.0	50		Regen is spotty. Lots of tag alder in the understory.	
12	6120 - Lowland Cedar	High Density Pole	4.4	109		Lots of cedar and black spruce regen.	
13	6120 - Lowland Cedar	High Density Pole	303.0	120		Stand runs along the south side of the gogomain river. This stand differs from adjacent stands because of the larger white pine throughout the stand.	
15	6120 - Lowland Cedar	High Density Pole	322.2	90		Typical cedar of area - some young cedar regen present	
16	4113 - R.Maple, Conifer	High Density Pole	56.6	67	81-110	About the same stuff as stand 20 however this is a lowland site. Next to impossible access, no chance of harvesting for the value of timber in stand.	
17	6120 - Lowland Cedar	Medium Density	21.4	50		Same as the strips to the north.	
18	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	27.7	83			
19	6120 - Lowland Cedar	High Density Sapling	72.0	52		Thick young cedar and black spruce - hard to walk into!	
21	4113 - R.Maple, Conifer	Medium Density Pole	34.9	58	1-50	Stand is in the middle of nowhere, impossible to access. Timber is poor quality and sparce.	
22	6120 - Lowland Cedar	High Density Sapling	64.2	51		Much denser cedar stand than adjoining stands.	
23	6121 - Tamarack	Low Density Pole	157.2	47		Wet stand - tamarack and cedar compositions vary throughout the stand.	
25	6120 - Lowland Cedar	High Density Pole	146.7	80		Small diameter, lots of cedar regen, stand is more sparce on the west side.	

S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 060	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
26	6132 - Mixed Lowland Forest with Cedar	High Density Pole	28.7	44	81-110		Mix of Paper Birch and Cedar - Stand could be harvested but because of access and the low cords per acre it should be limited factored
27	6120 - Lowland Cedar	Low Density Pole	11.7	81			Very Sparce timber.
29	6120 - Lowland Cedar	High Density Pole	65.4	103			
30	6120 - Lowland Cedar	High Density Log	15.7	116			Decent cedar stand, 3-4 sticks. Scattered red maple, balsam and paper birch.
31	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	2.1	24			Some scattered mature cedar. Not enough to be a two story stand.
35	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	15.3	83			
36	6132 - Mixed Lowland Forest with Cedar	High Density Pole	22.0	44	171-200		A little better ground than some areas in compartment. Even mix of cedar and paper birch. Alot of cedar regen in the stand. This is one of the few stand that might be merchantable on the east side of the compartment.
37	6120 - Lowland Cedar	High Density Pole	18.8	103			
39	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	59.5	74			Timber is very sparse within this stand.
41	6120 - Lowland Cedar	High Density Pole	11.1	73			
42	4113 - R.Maple, Conifer	High Density Log	24.2	69	81-110		Stand is more sparce to the west, harvest is very unlikely because of access and merchantability of wood.
44	6120 - Lowland Cedar	High Density Pole	32.4	95			Wet cedar stand, scattered white pine considerably larger than the cedar.
45	4113 - R.Maple, Conifer	High Density Log	11.1	62	81-110		Could clearcut and start over, maybe leave some conifer component.
47	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Sapling	24.2	31	1-50		Small diameter stand stand except for the hemlock.
48	6120 - Lowland Cedar	Medium Density Pole	3.2	130			Decent cedar regen - Part of a larger stand to the south.





Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	623 - Emergent Wetland	16.8			
6	622 - Lowland Shrub	20.1			
7	622 - Lowland Shrub	16.2			
8	623 - Emergent Wetland	9.6			
9	622 - Lowland Shrub	11.9			
14	622 - Lowland Shrub	12.7			
20	622 - Lowland Shrub	12.1			
24	622 - Lowland Shrub	2.3			
28	622 - Lowland Shrub	2.3			
32	623 - Emergent Wetland	0.3			
33	622 - Lowland Shrub	0.6			
34	622 - Lowland Shrub	3.3			
38	622 - Lowland Shrub	1.6			
40	622 - Lowland Shrub	1.5			
43	622 - Lowland Shrub	3.4			
46	623 - Emergent Wetland	3.2			



7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Stand	SCA Type	SCA Name	Acres	Comments
-------	----------	----------	-------	----------



8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
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.