



**Newberry Forest Management Unit**  
**Compartment Review Presentation**  
**Compartment #42128                      Entry Year: 2014**  
**Compartment Acreage: 3,384            County: Luce**

---

**Revision Date:** 09/14/2012

**Stand Examiner:** Jason Tokar

**Legal Description:** T45N R8W, Sec. 5-8, 17-18; T46N R8W, Sec. 31-32

**RMU (if applicable):** This compartment is located within the Tahquamenon River Basin Wetlands Management Area.

**Management Goals:** Timber and wildlife habitat are equally important management goals within the compartment, as the compartment lies within a deer wintering complex. Treatments prescribed will help maintain forest productivity, forest health, species diversity, and age class diversity and continue to enhance the quality of the wildlife habitat. Maintain and/or improve the integrity of the deeryard and surrounding area.

**Soil and Topography:** Main soil series within the compartment boundary is Carbondale, Lupton and Tawas muck soils. Other soil types include Pickford silt loam, Rudyard-Pickford silt loam, Markey mucky peat, Tawas-Spot-Finch complex, Auger-Annannias silt loam. Topography ranges from wet, lowlands to gentle ridges and knobs.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is mainly continuous State ownership with one private inholding owned by Escanaba Timberland Holding. The compartment is bordering by State land on 3 sides and Escanaba Timberland Holding to the west. Land use is moderate due to limited access and low ground. There are a few permanent homes and camps along M-28 in sections 17 and 18.

**Unique, Natural Features:** MNFI lists the occurrence of a Fir clubmoss within the compartment. Potential for rare plants of rich mesic forests: Carex assiniboinensis, new england sedge, green spleenwort, Galium kam, showy orchis, Ginseng, male fern, Goblin Fern. Potential for rare plants of dry northern forest and dry mesic northern forest: Dalibarda repens, pine drops. Potential for goshawk in mature pines and hardwoods and RSH in mature hardwoods. Potential for Incurvate Emerald, ebony boghaunter, Frigga fritillary and Freija fritillary in bog and fen habitat. Potential for wood turtle along W Br and E Br Sage River.

**Archeological, Historical, and Cultural Features:** None known within the compartment.

**Special Management Designations or Considerations:** The southern reaches of the compartment lie within the Sage River Deeryard (Deer Wintering Complex) and is designated as a Special Conservation Area (SCA). Management decisions shall be dictated by the promotion and enhancement of the desired characteristics associated with the winter yarding habitat. Harvesting in these areas will likely take place during winter months.

**Watershed and Fisheries Considerations:** Fisheries Values: Good

*Fisheries Concerns:* This compartment skirts the East Branch Sage River along the west side. The East Branch Sage River is a cold and designated trout stream. No treatments are near the river, so Fisheries has no concerns at this time.

**Wildlife Habitat Considerations:** Compartment 128 is in southern Luce county in the St. Ignace ecological sub-subsection and in the Tahquamenon River Basin Wetlands Management Area where white-tailed deer, black bear, snowshoe hare and gray jay are featured species. The southern portion of the compartment lies in the Sage River deeryard which supports high numbers of deer during stressful winter periods. The vast majority of the compartment is cedar and spruce with a component of aspen and a smattering of northern hardwoods.

Wildlife objectives will be achieved by retaining a conifer component in the harvested aspen and northern hardwoods including super canopy white pine and hemlock. Diversity in final harvested spruce stands is low and thus patch retention will be used to maintain a well travelled corridor used by wildlife. In addition to featured species, wildlife species expected to use the compartment include moose, ruffed grouse, gray wolf, coyote and bobcat.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of peat and muck and lacustrine (lake) silt and clay. There is insufficient data to determine the glacial drift thickness. The Ordovician Stonington Formation, Big Hill Dolomite, Queenston Shale and Silurian Manitoulin Dolomite subcrop below the glacial drift. The Stonington, Big Hill and Manitoulin could be used for stone. A quarry is located two miles to the east. The nearest gravel pit is five miles away and potential is considered limited. There is no economic oil and gas production in the UP.

**Vehicle Access:** M-28 runs east and west through the southern portion of the compartment and the Borgstrom Road is the compartment's west boundary in its southern half. Other vehicle access is limited due to private property issues.

**Survey Needs:** No survey work is needed.

**Recreational Facilities and Opportunities:** The main recreational opportunities include fishing and hunting. Recreational opportunities are limited due to access issues relating to private property.

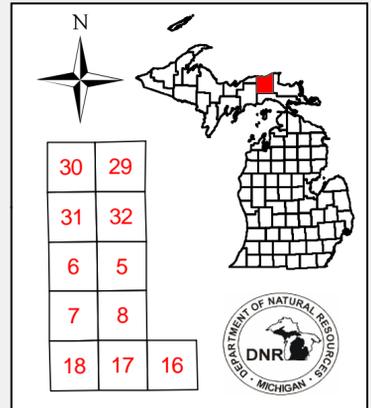
**Fire Protection:** Large fires in this compartment are not likely because of the hardwood and mixed lowland conifer/hardwood types. Access with heavy wheeled suppression vehicles is limited and alternative suppression tactics may be needed.

#### **Additional Compartment Information:**

- **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**
-

# Cover Type & Treatment Map

Compartment: 128  
 T45N R08W Sec. 5-8, 16-18  
 T46N R08W Sec. 29-32  
 County: Luce  
 Unit: Newberry  
 YOE: 2014  
 Acres: 3,384 GIS Calculated  
 Examiner: Jason Tokar  
 Map Revised: 10/04/2012  
 Map Phase: Pre-Review



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

**Legend**

- Remonumented Section Corners
- Miris Corners
- PLSS Corner
- Unclassified Corners
- GPS Point
- Highway
- Paved Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Railroads
- Pipeline
- Powerline
- Stream
- Lakes and Rivers

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

**Forest Stands**

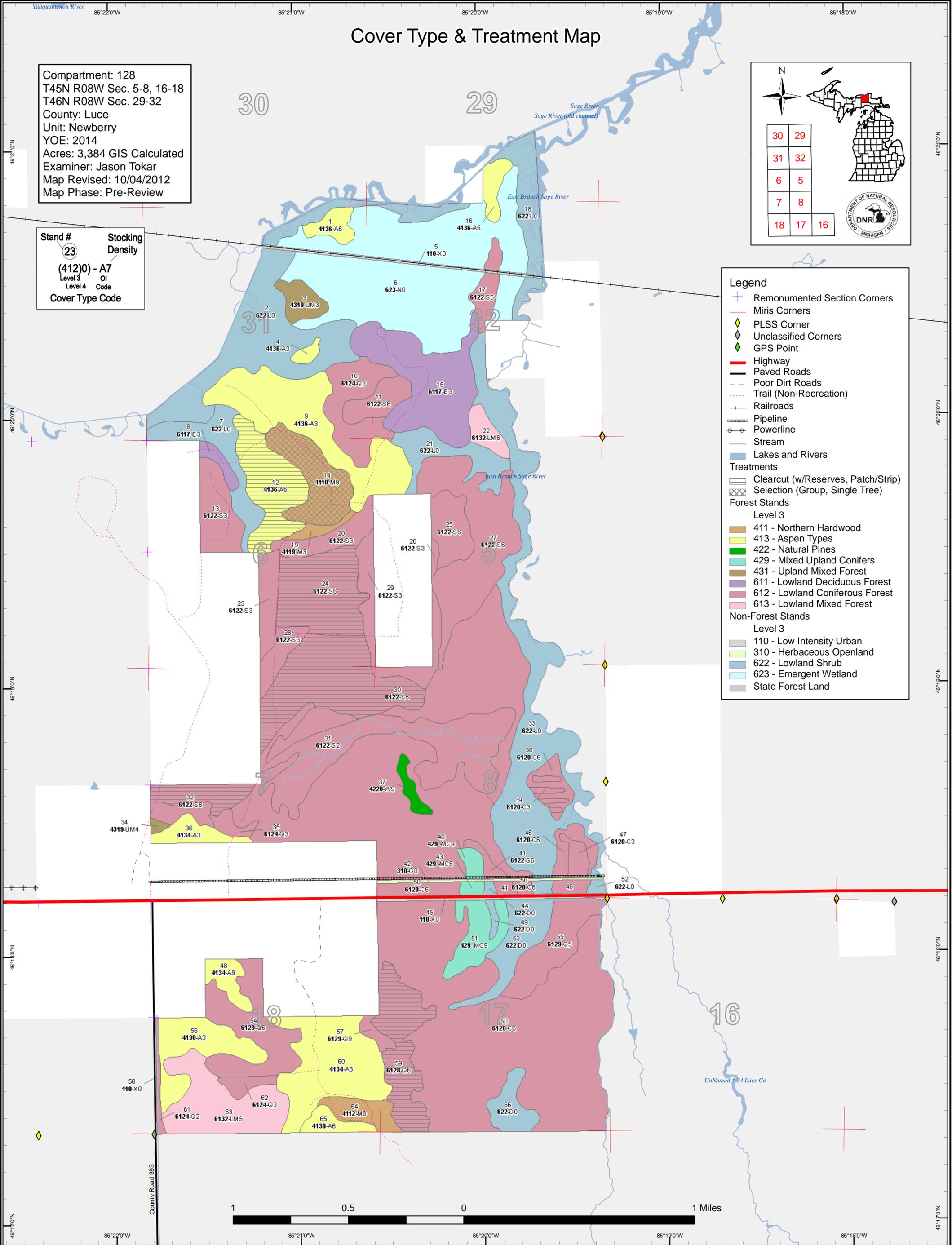
**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 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**

- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- State Forest Land



# Stand Boundary Map

Compartment: 128  
 T45N R08W Sec. 5-8, 16-18  
 T46N R08W Sec. 29-32  
 County: Luce  
 Unit: Newberry  
 YOE: 2014  
 Acres: 3,384 GIS Calculated  
 Examiner: Jason Tokar  
 Map Revised: 10/04/2012  
 Map Phase: Pre-Review

30	29	
31	32	
6	5	
7	8	
18	17	16

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

**Legend**

- Remonumented Section Corners
- Miris Corners
- PLSS Corner
- Unclassified Corners
- GPS Point
- Highway
- Paved Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Railroads
- Stream
- Intermittent Stream
- Pipeline
- Powerline
- Stand Boundaries

**Forest Stands**

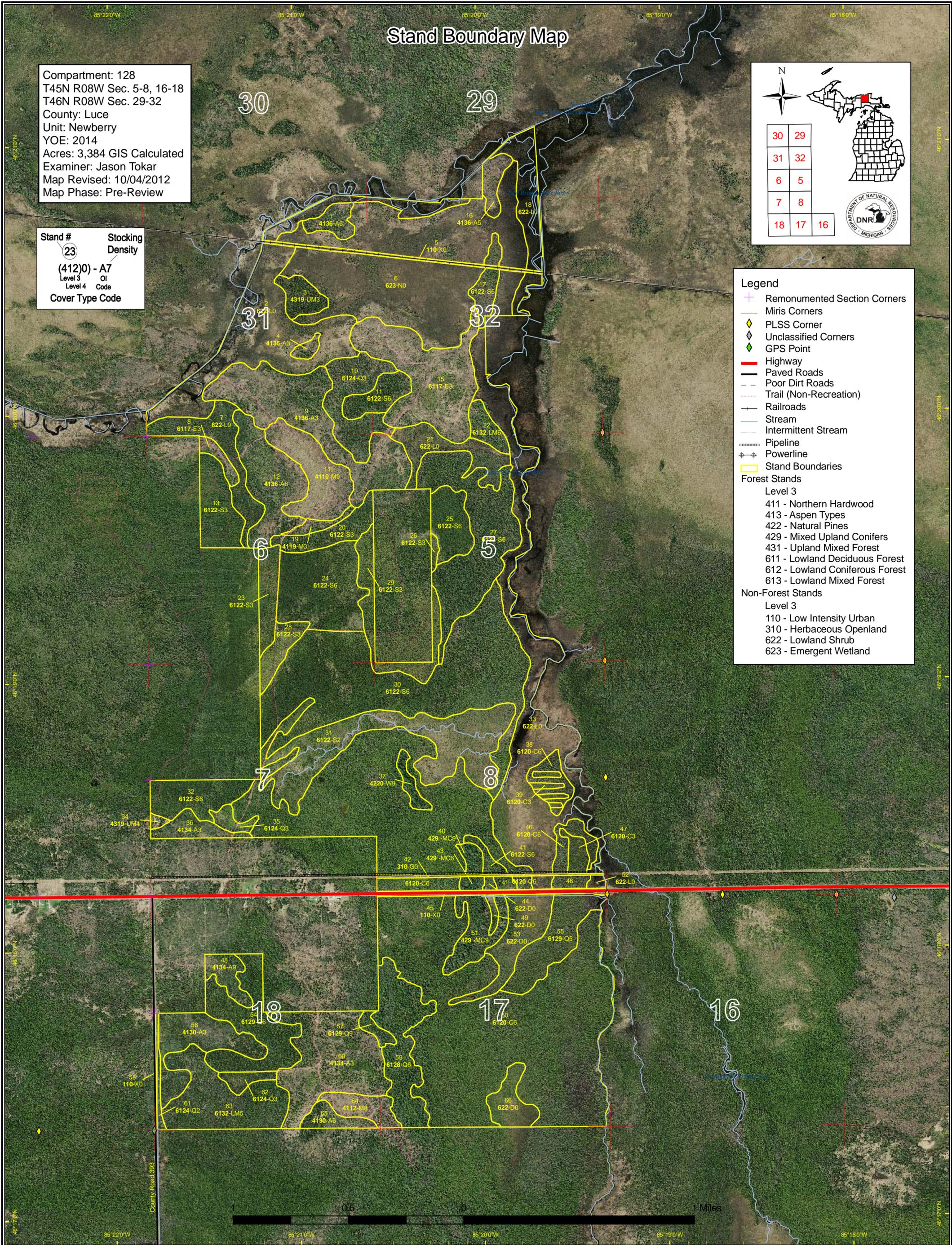
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 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**

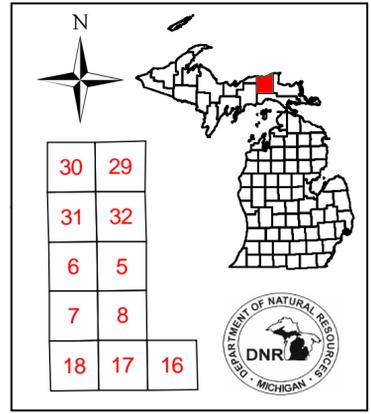
Level 3

- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland



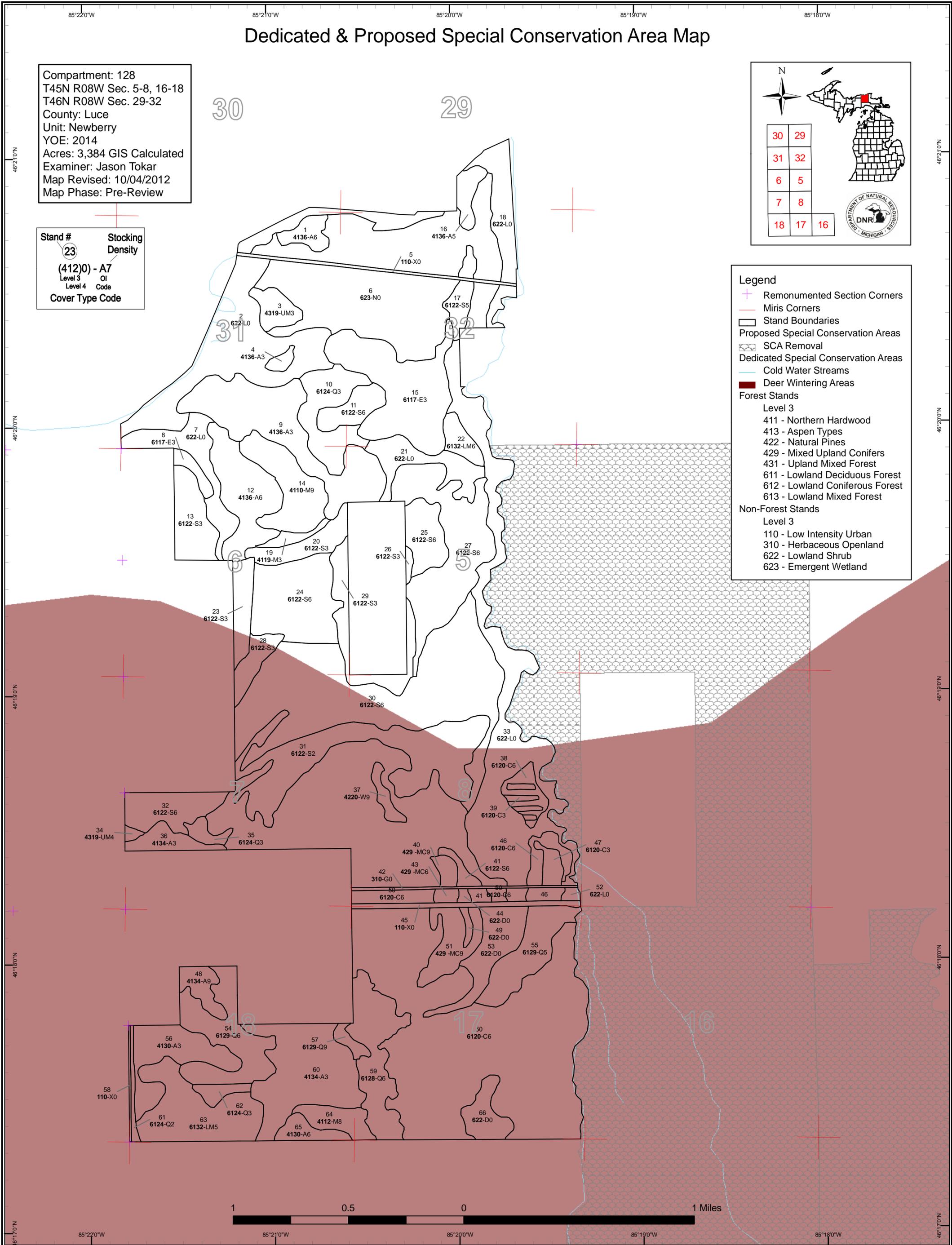
# Dedicated & Proposed Special Conservation Area Map

Compartment: 128  
 T45N R08W Sec. 5-8, 16-18  
 T46N R08W Sec. 29-32  
 County: Luce  
 Unit: Newberry  
 YOE: 2014  
 Acres: 3,384 GIS Calculated  
 Examiner: Jason Tokar  
 Map Revised: 10/04/2012  
 Map Phase: Pre-Review



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

- Legend**
- ✚ Remonumented Section Corners
  - Miris Corners
  - ▭ Stand Boundaries
  - Proposed Special Conservation Areas
  - ▨ SCA Removal
  - Dedicated Special Conservation Areas
  - Cold Water Streams
  - Deer Wintering Areas
  - Forest Stands
  - Level 3
  - 411 - Northern Hardwood
  - 413 - Aspen Types
  - 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
  - 110 - Low Intensity Urban
  - 310 - Herbaceous Openland
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



**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	216	67	0	14	63	0	0	27	16	0	0	0	0	403
Cedar	0	0	0	15	0	0	0	0	0	0	14	0	691	0	720
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	49	8	6	9	0	0	47	72	66	0	0	0	0	256
Lowland Deciduous	0	111	0	0	0	0	0	0	0	0	0	0	0	0	111
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	90	0	0	0	0	90
Lowland Shrub	462	0	0	0	0	0	0	0	0	0	0	0	0	0	462
Lowland Spruce/Fir	0	0	0	80	37	130	0	37	0	511	21	0	0	0	817
Marsh	276	0	0	0	0	0	0	0	0	0	0	0	0	0	276
Northern Hardwood	0	7	0	0	0	0	0	0	73	0	0	0	0	0	80
Treed Bog	67	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Upland Conifers	0	0	0	4	0	0	0	0	0	7	32	0	0	0	43
Upland Mixed Forest	0	17	0	0	2	0	0	0	0	0	0	0	0	0	19
Urban	26	0	0	0	0	0	0	0	0	0	0	0	0	0	26
White Pine	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8
<b>Total</b>	<b>837</b>	<b>400</b>	<b>75</b>	<b>105</b>	<b>61</b>	<b>193</b>	<b>0</b>	<b>84</b>	<b>171</b>	<b>699</b>	<b>67</b>	<b>0</b>	<b>691</b>	<b>0</b>	<b>3384</b>



## Table 2 – Proposed Treatment Summaries

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

**Compartment 128**  
**Total Compartment Acres: 3384**

### Acres by Treatment Type

Commercial Harvest - 394	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
<b>Aspen</b>	63	0	0	0	0	0	63
<b>Lowland Conifers</b>	65	0	0	0	0	0	65
<b>Lowland Spruce/Fir</b>	214	0	0	0	0	0	214
<b>Northern Hardwood</b>	0	52	0	0	0	0	52
<b>Total</b>	<b>342</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>394</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
12	42128012-Cut	63.0	4136 - Aspen, Mixed Conifer	High Density Pole	58	81-110	Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Prescribe stand for treatment. Clearcut with reserves. Pocket retention to concentrate on areas of cedar. Leave all hemlock and supercanopy  
Specs: white pine. No other retention needed.

Other  
Comments:

Next  
Steps: Monitor for success of regeneration. Acceptable regeneration of aspen with component of maple, balsam, spruce.

Proposed  
Start Date: 10/01/2013

14	42128014-Cut	52.2	4110 - Sugar Maple Association	High Density Log	88	141-170	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
----	--------------	------	-----------------------------------	---------------------	----	---------	---------	--------------------------	-----------------------------------	--------------------------

Prescription Prescribe stand for treatment. Selection harvest. Reduce BA down to 90 sq ft avg. Create regeneration gaps. Remove overmature, low  
Specs: quality red maple. Leave a component of large aspen but remove some aspen as well. Marking should favor good quality sugar maple poles as residual whenever possible. Leave a conifer component, all hemlock if it exists in stand.

Other  
Comments:

Next  
Steps: Monitor for success of desired regeneration. Acceptable regeneration of sugar maple, red maple, and beech and white ash.

Proposed  
Start Date: 10/01/2013

	42128024-Cut	78.2					Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
--	--------------	------	--	--	--	--	---------	---------------------------	---------------------	--------------------------

Prescription Prescribe for treatment. Clearcut with reserves. Retention to be in pockets. No individual tree retention due to low, wet soils to avoid  
Specs: blowdown. Some retention (pockets) to be left along N/S winter road for wildlife travel corridor.

Other  
Comments:

Next  
Steps: Monitor for success of desired regeneration. Acceptable regeneration of black spruce with tamarack and possibly some cedar and white birch.

Proposed  
Start Date: 10/01/2013

30	42128030-Cut	111.3	6122 - Black Spruce	High Density Pole	95	141-170	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
----	--------------	-------	---------------------	-------------------------	----	---------	---------	---------------------------	---------------------	--------------------------

Prescription Prescribe for treatment. Clearcut with reserves. Retention to be in pockets rather than individual trees to avoid blowdown on wet soils.  
Specs: Retention not to exceed 5% of harvest area. Some retention to be left along N/S winter road. Harvest area will be the western most portion of the stand. Leave the remainder of the stand for diversity, harvest in 10-20 years.

Other  
Comments:

Next  
Steps: Monitor for success of desired regeneration. Acceptable regeneration of black spruce, tamarack and some cedar.

Proposed  
Start Date: 10/01/2013



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	42128032-Cut	24.6	6122 - Black Spruce	High Density Pole	78	81-110	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal

Prescription Prescribe for treatment. Clearcut with reserves. Retention to be in pockets rather than individual trees to avoid blowdown on wet soils. Harvest area will be the northern portion of the stand. Southern portion has higher component of cedar and is more open in spots. Southern portion of stand to be included as retention efforts and for the benefit to wildlife. Leave all hemlock if it exists for wildlife benefits.

Other Comments:

Next Steps: Monitor for success of desired regeneration. Acceptable regeneration of black spruce, tamarack and some cedar.

Proposed Start Date: 10/01/2013

59	42128059-Cut	64.9	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	82	141-170	Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
----	--------------	------	--	-------------------	----	---------	---------	------------------------	--	-----------------------

Prescription Stand is currently under contract as sale #42-015-11-01. Stand is being harvested as a clearcut with reserves. Leave all cedar, hemlock and white pine. Leave all trees that occur in lowland cedar pockets. Winter harvest.

Other Comments:

Next Steps: Monitor for success of desired regeneration. Acceptable regeneration of spruce, balsam and mixed hardwoods.

Proposed Start Date: 06/25/2012

**Total Treatment Acreage Proposed: 394.2**

S  
t  
a  
n  
d

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

#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

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

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2014



---

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

---

Prescription  
Specs:

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: #Error

---

**Total Treatment  
Acreage Proposed: 0**

Stand	Newberry Mgt. Unit		5 – Forested Stands			Compartment: 128
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014
						General Comments:
1	4136 - Aspen, Mixed Conifer	High Density Pole	13.8	87		
3	4319 - Mixed Upland Forest	High Density Sapling	16.9	13		Stand harvested as sale #20-94. Young aspen with mix of conifers.
4	4136 - Aspen, Mixed Conifer	High Density Sapling	4.9	13		Stand harvested as sale #20-94. Complete 1999. Aspen stand with a mix of species. Deer browse evidence.
8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	8.1	13		Stand harvested as sale #29-94. Lowland aspen. A few higher areas within the stand but mostly a low ground aspen stand.
9	4136 - Aspen, Mixed Conifer	High Density Sapling	113.5	13		Stand harvested as sale #'s 20, 28 and 29-94. Complete 1999. Aspen stand with a mix of species. Good cedar pole component (residual left after harvest). Deer browse evidence.
10	6124 - Lowland Spruce-Fir	High Density Sapling	49.2	13		Stand harvested as part of sales #20, 28 and 29-04. Complete in 1999. This stand is lower and contains a higher lowland conifer component than the adjacent aspen stands.
11	6122 - Black Spruce	High Density Pole	21.3	105	81-110	Small crowns, black spruce. Mainly 3 stick spruce, 6-8 inches in diameter. Lowland stand.
12	4136 - Aspen, Mixed Conifer	High Density Pole	63.0	58	81-110	The stand is a mixture of mature aspen and low quality hardwoods. Stand ranges from a low quality M5 to an A6 with tall, mature aspen. Eastern and southern portions have more hardwoods (red maple) and the northeast corner is slightly lower aspen. Sale #29-94 cut some aspen out of the southern part of the stand. Most of the aspen in the stand is mature to overmature. Good regeneration in areas of mortality or blowdown.
13	6122 - Black Spruce	High Density Sapling	36.7	42		Stand was harvested in 1970. Excellent spruce regeneration.
14	4110 - Sugar Maple Association	High Density Log	52.2	88	141-170	Nice ridge of sugar maple. Minor components of large diameter aspen, red maple and white ash. Large diameters, some maple borer damage. Red maple is mainly along stand edges, lower quality (large diameter pulp).
15	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	103.4	13		Stand was harvested as sales #'s 20, 28, and 29-04. Complete 1999. Young aspen, mainly low ground. Some high ground. Mixed with white birch, balsam, black spruce, tamarack. Some residual cedar poles, many blown down.
16	4136 - Aspen, Mixed Conifer	Medium Density Pole	13.2	87		
17	6122 - Black Spruce	Medium Density Pole	16.5	97		
19	4119 - Mixed Northern Hardwoods	High Density Sapling	6.9	18		Portion of sale # 29-94.



Stand	Newberry Mgt. Unit		5 – Forested Stands			Compartment: 128	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
20	6122 - Black Spruce	High Density Sapling	25.4	32			Small diameter spruce, short heights. Cedar and tamarack mixed in throughout the stand. Small drainage runs through the stand.
22	6132 - Mixed Lowland Forest with Cedar	High Density Pole	13.8	97			
23	6122 - Black Spruce	High Density Sapling	22.1	95	1-50		Western portion of sale #01-77. Residual black spruce were left after the harvest. Sparse black spruce regeneration in comparison to eastern portion of sale area where overstory was removed. Semi open stand now, small crowns.
24	6122 - Black Spruce	High Density Pole	78.2	97	141-170		Nice, tall black spruce, 3-5 sticks of merchantable height. Thick stand, mature.
25	6122 - Black Spruce	High Density Pole	29.4	97	141-170		Nice, tall black spruce, 3-5 sticks of merchantable height. Thick stand, mature.
26	6122 - Black Spruce	High Density Sapling	2.6	34			Nice spruce regeneration. Cut as sale numbers 01-77 and 03-78.
27	6122 - Black Spruce	High Density Pole	108.5	97	111-140		Nice black spruce, 3-5 sticks of merchantable height. Thick stand, mature. Slightly lower BA than spruce stands to the west. Eastern portion of the stand decreases in size and heights the closer to the river you get.
28	6122 - Black Spruce	High Density Sapling	17.2	35			Stand was harvested as sale #01-77. Nice black spruce regeneration, fairly thick. Best regeneration is in the southwest corner of the stand. A few residual small crown black spruce remaining. Most has blown down. Spruce regeneration up to 15 ft tall.
29	6122 - Black Spruce	High Density Sapling	35.2	34			Nice spruce regeneration. Cut as sale numbers 01-77 and 03-78.
30	6122 - Black Spruce	High Density Pole	247.2	95	141-170		Tall, thick black spruce stand. Good merchantable heights. Some runs of smaller diameter trees. Stand is mature, ready to be harvested.
31	6122 - Black Spruce	Medium Density	130.3	55			Short, small diameter mixed conifer stand. Parts of the stand are a treed bog/bog.
32	6122 - Black Spruce	High Density Pole	36.9	78	81-110		Mainly 6 inch diameter black spruce. Pockets of nicer timber. South half of the stand has higher cedar component.
34	4319 - Mixed Upland Forest	Low Density Pole	2.3	42	1-50		
35	6124 - Lowland Spruce-Fir	High Density Sapling	8.0	27			Lowland conifer stand. Stumps are evidence that stand must have been cut as part of sale #47-85. Good regeneration starting to fill in the stand. Black Spruce, cedar, balsam, white birch, tamarack, aspen.



S  
t  
a  
n  
d

## Newberry Mgt. Unit

## 5 – Forested Stands

Compartment: 128  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	4134 - Aspen, Spruce/Fir	High Density Sapling	17.5	27		Stand was harvested as sale #47-85. Aspen and maple regeneration. Lots of balsam mixed in. Good component of red maple poles and white spruce sawtimber left as residual after the harvest..
37	42200 - Natural White Pine	High Density Log	8.5	94		
38	6120 - Lowland Cedar	High Density Pole	13.5	104		
39	6120 - Lowland Cedar	High Density Sapling	6.4	38		Strip cuts of cedar regeneration from 1974 harvest.
40	429 - Mixed Upland Conifers	High Density Log	7.0	94	141-170	
41	6122 - Black Spruce	High Density Pole	9.6	90	81-110	
43	429 - Mixed Upland Conifers	High Density Pole	4.0	33	1-50	
46	6120 - Lowland Cedar	High Density Pole	19.5	134	81-110	
47	6120 - Lowland Cedar	High Density Sapling	8.9	38		
48	4134 - Aspen, Spruce/Fir	High Density Log	16.1	92	81-110	Old aspen stand, large diameters. Mortality. High conifer component.
50	6120 - Lowland Cedar	High Density Pole	671.7	134	111-140	Primarily a pole size cedar stand. Various areas within the stand of different sizes, quality, health, etc. Pockets of black spruce. Thick in areas. Areas of blowdown have good regeneration.
51	429 - Mixed Upland Conifers	High Density Log	31.8	104	81-110	
54	6129 - Mixed Coniferous Lowland Forest	High Density Pole	65.8	90	81-110	Mixed lowland conifer stand. Mainly black spruce and cedar. Component of tamarack, red maple, and large diameter white pine. Hemlock throughout as well. Pockets of nice black spruce.
55	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	46.6	74	1-50	
56	4130 - Aspen	High Density Sapling	49.4	25		Stand harvested as sale #45-85. Complete 1987. Young aspen. Thick. Starting to transition from sapling stand to a pole size stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	6129 - Mixed Coniferous Lowland Forest	High Density Log	6.7	81	141-170	Large diameter white pine and hemlock with cedar, spruce and some red maple. The stand was left as a conifer pocket (cedar and hemlock) when adjacent stand to the east was set up for harvest.
59	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	64.9	82	141-170	Stand is currently under contract as sale #42-015-11-01.
60	4134 - Aspen, Spruce/Fir	High Density Sapling	97.5	10		Stand was harvested as sale #02-99. Completed in 2002. Very young aspen stand. Good mix of species regenerating throughout the stand. Good component of pole size cedar left as residual after the harvest. Heavy deer use is evident (browse and tracks). Stand has a mix of high ground and low ground.
61	6124 - Lowland Spruce-Fir	Medium Density	5.6	30		
62	6124 - Lowland Spruce-Fir	High Density Sapling	8.9	42		
63	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	76.1	90	51-80	Lowland hardwoods with pockets of lowland conifers.
64	4112 - Maple, Beech, Cherry Association	Medium Density Log	20.5	85	51-80	Stand was cut as sale #02-99. Completed in 2002. Stand has experienced quite a bit of blowdown damage. Red maple is stump sprouting as a result of the harvest. Heavy deer browse. Balsam regeneration is thick in spots.
65	4130 - Aspen	High Density Pole	13.6	42	81-110	Stand appears to be from a harvest around 1970. No records of the cut. Young aspen pole size stand with a good red maple component. Component of balsam in teh pole size as well. Thick balsam understory through most of the stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6220 - Alder/willow	153.0	No	Unspecified	
5	11 - Low Intensity Urban	9.9	No	Unspecified	Canadian National Railroad ROW
6	6239 - Mixed Emergent Wetland	276.2	No	Unspecified	
7	6229 - Mixed lowland shrub	43.0	No	Unspecified	
18	6220 - Alder/willow	41.8	No	Unspecified	
21	6229 - Mixed lowland shrub	35.8	No	Unspecified	
33	6220 - Alder/willow	185.3	No	Unspecified	
42	3102 - Grass	6.3	No	Unspecified	Powerline ROW
44	6224 - Treed Bog	1.9	No	Unspecified	
45	11 - Low Intensity Urban	13.9	No	Unspecified	Highway M-28 and cleared ROW
49	6224 - Treed Bog	3.2	No	Unspecified	
52	6220 - Alder/willow	2.6	No	Unspecified	
53	6224 - Treed Bog	39.9	No	Unspecified	
58	11 - Low Intensity Urban	2.3	No	Unspecified	County Road 399 (Borgstrom Road) and cleared ROW.
66	6224 - Treed Bog	21.9	No	Unspecified	



### 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	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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.