



# Compartment Review Presentation

## Newberry Forest Management Unit

Compartment 126

Entry Year 2016

Acreage: 2,776

County Luce

Management Area: Tahquamenon Basin Wetlands

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**Revision Date:** 08/22/2014

**Stand Examiner:** Jen Burnham

### Legal Description:

T45N, R9W, Sections 13, 14, 22, 23, 24, 26 & 27

### Identified Planning Goals:

This compartment is in the Tahquamenon River Basin Wetlands Management Area. The focus for this area includes timber harvesting, enhancement and/or maintenance of wildlife habitat and opportunities for forest recreation.

### Soil and topography:

The compartment is comprised of level lowlands and level to rolling uplands. The upland soil in this compartment is mostly made up of soils such as Wallace and Kalkaska sands. The forest cover types on these soils are comprised of predominantly of aspen, birch, northern hardwoods, and white pine. The lowland soils are found mostly in the north half of the compartment and are comprised of Lupton, Carbondale, and Tawas much that support forest cover types of lowland brush, mixed swamp conifer, cedar and lowland poplar. Several beaver ponds are found throughout these lowland areas. These are numerous small creeks running throughout the compartment especially in the lowland areas.

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

The land within the compartment is entirely state owned with one 20 acre private land ownership parcel in the southwest corner of the compartment. The compartment is predominately surrounded by state ownership with a half mile of private ownership being on the NW corner and a private eighty touching the NE corner of the compartment. Land use in the area is primarily hunting, snowmobiling, wildlife viewing and ORV use. Timber production is a major use in the compartment as well.

### Unique Natural Features:

No Unique Natural Features known.

### Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

### Special Management Designations or Considerations:

Part of this compartment is covered by a Deer Wintering Complex.

### Watershed and Fisheries Considerations:

Fisheries Values: Good to Excellent

Fisheries Concerns: The West Branch Sage River and Third Creek are located in this compartment and are both designated trout streams. Both streams support natural brook trout populations and provide good fisheries. Aspen stands are prominent in this compartment and any treatments within these stands need to maintain a 300 foot buffer along the streams. Other stands without aspen as the dominant cover type need to maintain a 100 foot buffer along the streams.

### Wildlife Habitat Considerations:

Compartment 126 lies in the Seney Sand Lake Plain ecological sub-subsection and also within the historic Sage River Deer yard which supports high numbers of deer during stressful winter periods. The compartment is within the Tahquamenon River Basin Wetlands Management Area and moose, piping plover, red crossbill, and spruce grouse are featured species. The northern portion of the compartment is lowland brush or swamp conifer creek bottoms with scattered spruce, swamp aspen and cedar stands while the southern portion is comprised predominantly of aspen and hardwood stands interspersed. The numerous small creeks running through the compartment provide excellent wildlife travel corridors.

Conifer canopies should not be disturbed in this compartment to maintain the wildlife values and thermal cover of those stands. Forested corridors should be maintained to facilitate ease of movement between upland and lowland areas. Buffer zones along streams and rivers should be sustained to preserve travel corridors and wetland wildlife values and habitats.

Wildlife objectives will be achieved by the retention of conifers, hard and soft mast producing trees, wildlife den and nest trees and snags in hardwoods stands and the preservation of conifer components in aspen stands. White-tailed deer, fisher, black bear, American marten, snowshoe hare, moose and gray wolf are noteworthy wildlife species using this compartment.

## **Mineral Resource and Development Concerns and/or Restrictions**

### **Vehicle Access:**

The main access to the compartment is via the McLeod Truck Trail to the south and the Borgstrom Road to the east. Vehicular access within the compartment is poor with only a few two track roads that lead into parts of the southern half. Due to the lowland nature in the northern half of the compartment, these portions are only accessible by foot.

### **Survey Needs:**

N/A

### **Recreational Facilities and Opportunities:**

There is a designated snowmobile trail just south of the compartment.

### **Fire Protection:**

Potential for large fire growth is low because of the lowland types that dominate the area. Access is limited and modified suppression tactics may need to be used. Risk to private property would be low.

### **Additional Compartment Information:**

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:

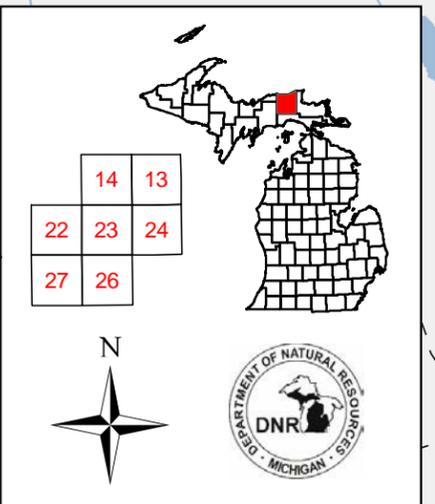
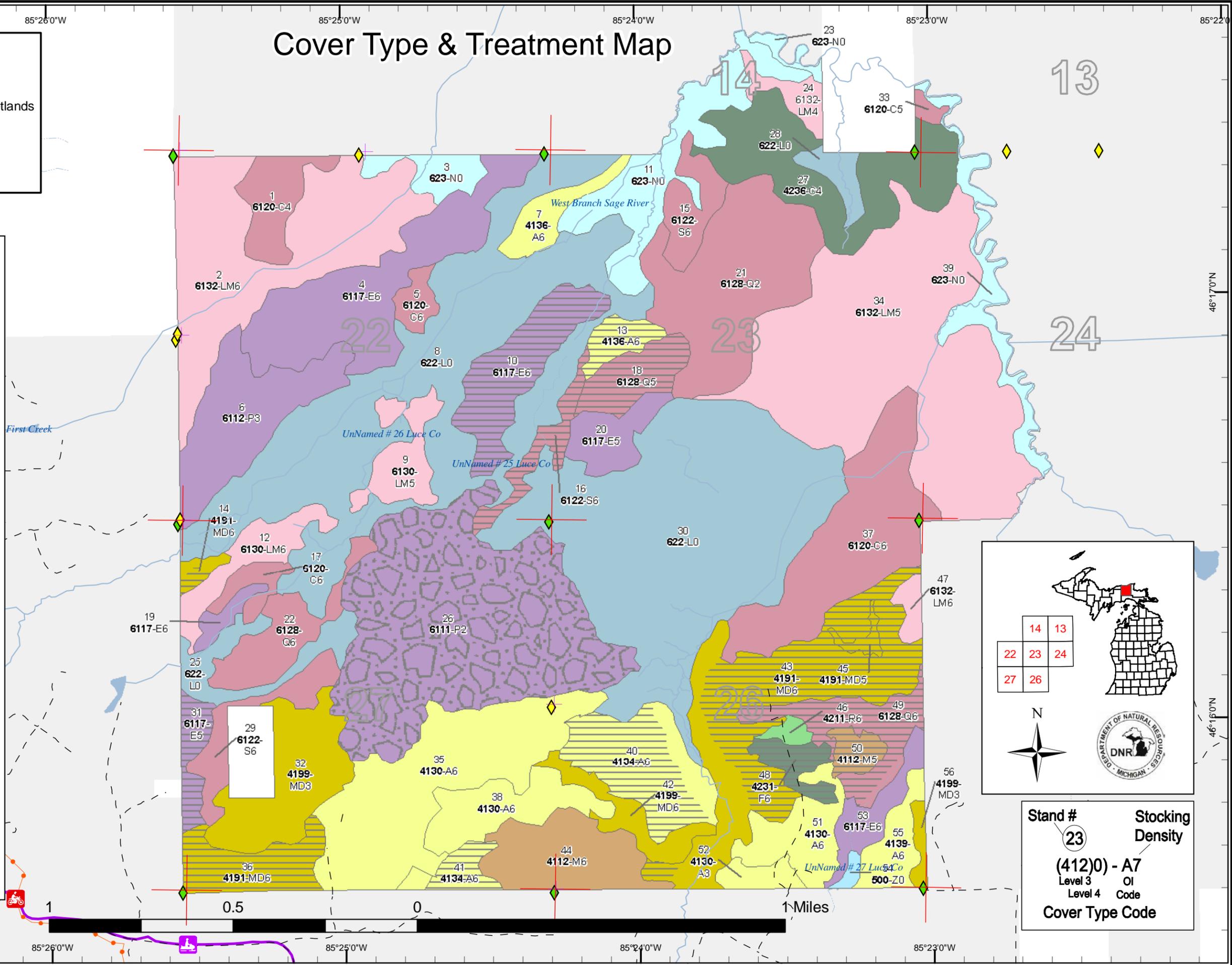
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatment Map

Compartment: 126  
 T45N R09W Sections 13, 14, 22 -24, 26, 27  
 County: Luce  
 Unit: Newberry  
 Management Area: Tahquamenon Basin Wetlands  
 YOE: 2016  
 Acres: 2,776 GIS Calculated  
 Examiner: Jen Burnham  
 Map Revised: 08/25/2014  
 Map Phase: Pre-Review

## Legend

- Miris Corners
  - Remonumented Section Corners
  - PLSS Corner
  - GPS Point
  - Motorcycle Trails (DNR License)
  - Snowmobile Trails
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Motorcycle (DNR Sticker)
  - Snowmobile Trail
  - Stream
  - Intermittent Stream
  - Lakes and Rivers
  - State Forest Land
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - Regeneration Survey
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



**Stand #**  
 23

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



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# Stand Boundary Map

**Legend**

- Miris Corners
- Remonumented Section Corners
- PLSS Corner
- GPS Point
- Motorcycle Trails (DNR License)
- Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Motorcycle (DNR Sticker)
- Snowmobile Trail
- Stream
- Intermittent Stream
- Stand Boundaries

**Forest Stands**

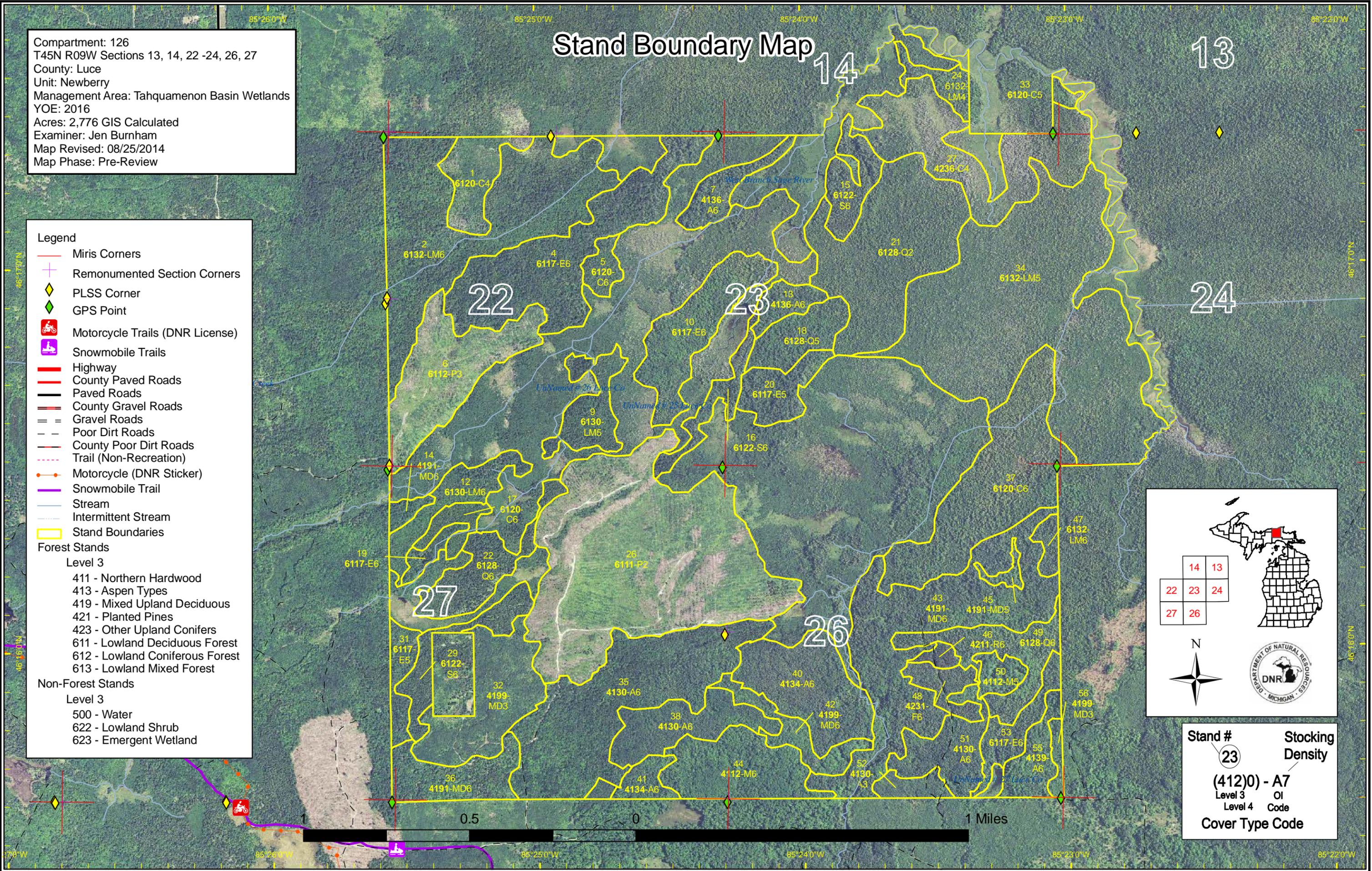
**Level 3**

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

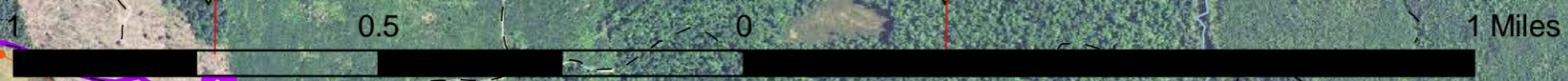
**Non-Forest Stands**

**Level 3**

- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



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



# Special Conservation Areas & Site Conditions Map

Compartment: 126  
 T45N R09W Sections 13, 14, 22 -24, 26, 27  
 County: Luce  
 Unit: Newberry  
 Management Area: Tahquamenon Basin Wetlands  
 YOE: 2016  
 Acres: 2,776 GIS Calculated  
 Examiner: Jen Burnham  
 Map Revised: 08/25/2014  
 Map Phase: Pre-Review

**Legend**

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Site Condition Type
- Available Factors W/ Constraints
  - 4A: No merchantable products (see product standards)
- Unavailable Factors
  - 2G: Too wet (sensitive soils, does not include access issues)
  - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
  - 3J: Water quality / BMPs (stream, river, or lake)
- Dedicated Special Conservation Areas
  - Cold Water Streams
  - Cold Water Lakes
  - High Priority Trout Stream Buffer

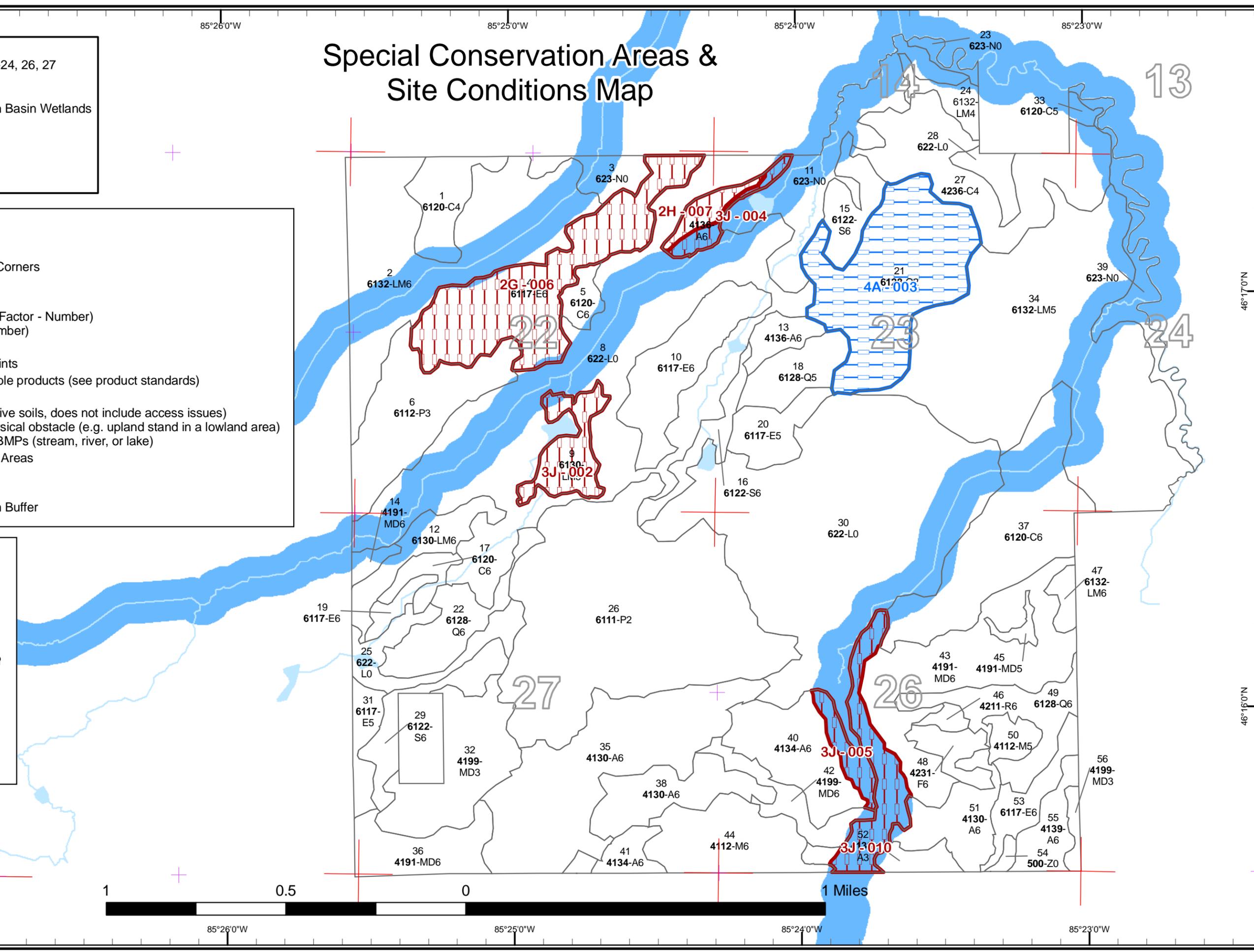
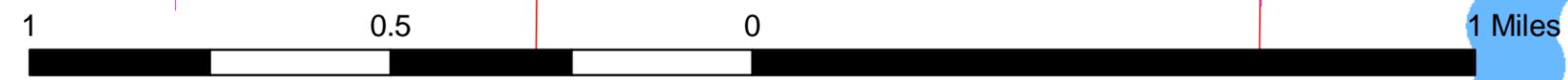
14	13	
22	23	24
27	26	

N

**Stand #**  
23

**Stocking Density**  
(412)0 - A7  
Level 3 OI  
Level 4 Code

**Cover Type Code**



85°27'0"W 85°26'0"W 85°25'0"W 85°24'0"W 85°23'0"W

46°17'0"N

46°17'0"N

46°16'0"N

46°16'0"N

85°27'0"W 85°26'0"W 85°25'0"W 85°24'0"W 85°23'0"W

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	0	9	0	0	207	57	11	29	0	0	0	0	0	0	314
Cedar	0	0	0	0	0	0	26	0	10	0	9	182	0	0	228
Lowland Aspen/Balsam Poplar	289	0	0	0	0	0	0	0	0	0	0	0	0	0	289
Lowland Conifers	0	0	0	0	0	0	0	57	36	106	0	0	0	0	198
Lowland Deciduous	0	0	0	0	0	0	19	185	0	0	0	0	0	0	204
Lowland Mixed Forest	0	0	0	0	0	0	0	25	7	37	139	250	0	0	457
Lowland Shrub	579	0	0	0	0	0	0	0	0	0	0	0	0	0	579
Lowland Spruce/Fir	0	0	0	0	0	0	0	61	0	0	0	0	0	0	61
Marsh	114	0	0	0	0	0	0	0	0	0	0	0	0	0	114
Mixed Upland Deciduous	0	55	5	0	20	0	134	38	0	0	0	0	0	0	252
Northern Hardwood	0	0	0	0	0	0	10	0	49	0	0	0	0	0	59
Red Pine	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>985</b>	<b>65</b>	<b>5</b>	<b>0</b>	<b>227</b>	<b>71</b>	<b>199</b>	<b>400</b>	<b>102</b>	<b>142</b>	<b>148</b>	<b>432</b>	<b>0</b>	<b>0</b>	<b>2776</b>



## Report 2 – Proposed Treatment Summaries

**Newberry Mgt. Unit**  
**Year of Entry 2016**

**Compartment 126**  
**Total Compartment Acres: 2,776**

### Acres by Treatment Type

Commercial Harvest - 363    Tree Planting - 14    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>	69	0	0	0	0	0	0	69
<b>Lowland Coniferous Forest</b>	74	0	0	0	0	0	0	74
<b>Lowland Deciduous Forest</b>	63	0	0	0	0	0	0	63
<b>Mixed Upland Deciduous</b>	134	0	0	0	0	0	0	134
<b>Northern Hardwood</b>	10	0	0	0	0	0	0	10
<b>Other Upland Conifers</b>	14	0	0	0	0	0	0	14
<b>Total</b>	<b>363</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>363</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
10	42126010-Cut	49.0	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	79	51-80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> Remove all spp besides cedar. Mark some scattered conifer leave trees with the retention pockets to include a representative of the present spp. <u>Specs:</u> Regen will be the same as the spp already present.										
<u>Other</u> Access will have to be through the stand 26 that was already cut. There are water issues to get to the stand and it may get a LF. Winter harvest. <u>Comments:</u>										
<u>Next</u> Regen check <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2015										
13	42126013-Cut	12.1	4136 - Aspen, Mixed Conifer	High Density Pole	79	51-80	Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<u>Prescription</u> Final harvest leaving cedar. Leave some mature aspen in the red line, keep diversity in the retention pockets. Regen will be all the spp that are there now. <u>Specs:</u>										
<u>Other</u> Access is difficult and stand may get LF because of it. Winter harvest <u>Comments:</u>										
<u>Next</u> Regen check <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2015										
14	42126014_sm all-Cut	2.2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	71	81-110	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<u>Prescription</u> Final harvest- do not cut cedar. Treat with stand to the west in compartment 125 2020 YOE <u>Specs:</u>										
<u>Other</u> Preferred winter cut unless otherwise authorized by the Unit Manager and Biologist. <u>Comments:</u>										
<u>Next</u> Regen check <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2020										
16	42126016-Cut	16.0	6122 - Black Spruce	High Density Pole	74	51-80	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Final Harvest - retention will be the areas that are too wet to cut. Regen will be spp that are present now. <u>Specs:</u>										
<u>Other</u> Difficult access because of wet ground, creeks and drains. Stand may get a LF because of this. Winter harvest <u>Comments:</u>										
<u>Next</u> Regen check <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18	42126018-Cut	24.5	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	79	1-50	Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription Specs:</u> Final harvest but leave cedar. There are pockets of low ground, mainly cedar, that would be left and be the retention areas. Regen will be spp that are present now.										
<u>Other Comments:</u> Access will be difficult because of the creeks and drains. Stand may get LF because of this. Winter harvest.										
<u>Next Steps:</u> Regen check										
<u>Proposed Start Date:</u> 10/01/2015										
31	42126031-Cut	13.8	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	71	51-80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription Specs:</u> Final harvest leaving cedar. Retention in cedar areas should include a diversity of species. If hemlock is present, do not cut. Regen will be the spp that are present now.										
<u>Other Comments:</u> Winter frozen conditions.										
<u>Next Steps:</u> Regen check										
<u>Proposed Start Date:</u> 10/01/2015										
36	42126036-Cut	32.7	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	74	51-80	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<u>Prescription Specs:</u> Final harvest not cutting cedar or hemlock if present. Regen will be the spp that are present now. There are wet areas and these could be the retention areas especially those areas on the edge of stand 32..										
<u>Other Comments:</u> Preferred winter cut unless otherwise authorized by Unit Manager and Biologist										
<u>Next Steps:</u> Regen check										
<u>Proposed Start Date:</u> 10/01/2015										
40	42126040-Cut	46.0	4134 - Aspen, Spruce/Fir	High Density Pole	54	81-110	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription Specs:</u> Final harvest, no cut cedar or hemlock if present. leave larger diameter aspen, fir and spruce in the retention areas. Regen will be the same spp that are present now.										
<u>Other Comments:</u> Preferred winter cut unless authorized by Unit Manager and Biologist.										
<u>Next Steps:</u> Regen check										
<u>Proposed Start Date:</u> 10/01/2015										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41	42126041-Cut	10.7	4134 - Aspen, Spruce/Fir	High Density Pole	62	81-110	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest leave hemlock if present- cedar more in the center of the stand. May need to cut some to get to other spp. There is a drain in the center of the stand that flows into the marsh to the south the adjacent compartment.</p> <p><u>Specs:</u></p> <p><u>Other</u> Preferred winter harvest unless otherwise authorized by the Unit Manager and Biologist.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen check</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
43	42126043-Cut	92.3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	66	81-110	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest leaving cedar, hemlock and any large white pine, leave some pockets of spruce, fir and aspen especially between this stand and stand 48. Regen will be the same spp that are present.</p> <p><u>Specs:</u></p> <p><u>Other</u> Keep buffer along creek. Winter harvest.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen check.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
43	42126043-small Cut	2.9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	66	81-110	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest leaving cedar, hemlock and any large white pine. Regen will be the same spp that are present.</p> <p><u>Specs:</u></p> <p><u>Other</u> Keep buffer along creek. Winter harvest.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen check</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
45	42126045-Cut	4.1	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	60	1-50	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Final Harvest do not cut cedar or large white pine. Regen will be the same spp that are present now. More stems per acre will occur after harvesting.</p> <p><u>Specs:</u></p> <p><u>Other</u> Winter harvest.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen check</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
48	42126048-Cut	13.7	42310 - Planted Spruce	High Density Pole	53	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Final harvest- no retention to help with conversion to new spp.

Specs:

Other Preferred winter cut unless otherwise authorized by Unit Manager and Biologist.

Comments:

Next Plant to Red Pine

Steps:

Proposed

Start Date: 10/01/2015

49	42126049-Cut	33.5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Final harvest, no cut cedar, hemlock or any large white pine. Regen will be same spp that are present now.

Specs:

Other

Comments:

Next Regen check

Steps:

Proposed

Start Date: 10/01/2015

50	42126050-Cut	9.6	4112 - Maple, Beech, Cherry Association	Medium Density Pole	60	1-50	Harvest	Clearcut with Reserves	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
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Prescription Final Harvest do not cut cedar or large white pine. Regen will be the same spp that are present now. More stems per acre will occur after harvesting.

Specs:

Other Winter harvest.

Comments:

Next Regen Check

Steps:

Proposed

Start Date: 10/01/2015

26	42126026- Survey	224.2	6111 - Lowland Balsam Poplar	Medium Density Sapling	3		Regeneration Survey	Intermediate Survey (natural regen)	6111 - Lowland Balsam Poplar	Cmpt. Review Proposal
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Prescription Regen check on bare ground in a couple years to see how the conifer regen is doing, three years is probably not enough.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

**Total Treatment  
Acreage Proposed: 587.2**

S  
t  
a  
n  
d

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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	#Type!	#Type!							
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Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

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<b>Total Treatment</b>	
<b>Acreage Proposed:</b>	<b>0.0</b>

## Report 5 – Site Conditions

Newberry Mgt. Unit  
Jen Burnham : Examiner

Compartment 126  
Year of Entry 2016

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	4A	3J	2H	2G
	Available	Not Available						
314	285	28	Aspen	285		19	9	
228	228		Cedar	228				
289	289		Lowland Aspen/Balsam Poplar	289				
198	198		Lowland Conifers	92	106			
204	111	93	Lowland Deciduous	111				93
457	432	25	Lowland Mixed Forest	432		25		
61	61		Lowland Spruce/Fir	61				
252	217	34	Mixed Upland Deciduous	217		34		
59	59		Northern Hardwood	59				
4	4		Red Pine	4				
14	14		Upland Spruce/Fir	14				
2,079	1,899	181	Total Forested Acres	1,793	106	79	9	93
	91%	9%	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	3J: Water quality / BMPs (stream, river, or lake)	25				
<b>Comments:</b>							
003	Available	4A: No merchantable products (see product standards)	106				
<b>Comments:</b>							
004	Not Available	3J: Water quality / BMPs (stream, river, or lake)	8				
<b>Comments:</b> can't get to stand because of high water table and no treatment of adj stands							

Report 5 – Site Conditions

Newberry Mgt. Unit  
 Jen Burnham : Examiner

Compartment 126  
 Year of Entry 2016

005	Not Available	3J: Water quality / BMPs (stream, river, or lake)	11
<b>Comments:</b>			
006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	93
<b>Comments:</b>			
Stand was set up once but given back. Too wet and many issues trying to harvest			
007	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9
<b>Comments:</b>			
stands to the south too wet - can't get here			
010	Not Available	3J: Water quality / BMPs (stream, river, or lake)	34
<b>Comments:</b>			
buffer to third creek			



### 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
<b>Comments</b>				



**Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Newberry Mgt. Unit		Report 8 – Forested Stands			Compartment: 126 Year of Entry: 2016	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	6120 - Lowland Cedar	Low Density Pole	26.1	60	1-50		
2	6132 - Mixed Lowland Forest with Cedar	High Density Pole	138.5	105	81-110		
4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	93.2	74	81-110		
5	6120 - Lowland Cedar	High Density Pole	9.3	109	51-80		
6	6112 - Lowland Aspen	High Density Sapling	64.7	3		TS 16-06-01 cut in 2010 Reneration coming in well, snow limits what can be seen however there is bam, aspen, rm, wb, cherry over the snow. Should be checked in a couple years with out snow to see what conifer is seeding in.	
7	4136 - Aspen, Mixed Conifer	High Density Pole	17.3	71	51-80		
9	6130 - Fir, Aspen, Maple	Medium Density Pole	25.3	95			
10	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	49.0	79	51-80		
12	6130 - Fir, Aspen, Maple	High Density Pole	25.2	75	1-50		
13	4136 - Aspen, Mixed Conifer	High Density Pole	12.1	79	51-80		
14	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.0	71	81-110		
15	6122 - Black Spruce	High Density Pole	22.2	74	51-80		
16	6122 - Black Spruce	High Density Pole	16.0	74	51-80		
17	6120 - Lowland Cedar	High Density Pole	10.4	86	51-80		
18	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	24.5	79	1-50		
19	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	7.1	71	51-80		

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## Newberry Mgt. Unit

## Report 8 – Forested Stands

Compartment: 126  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	22.0	74	51-80	
21	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density	105.9	94	1-50	
22	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	32.1	74	51-80	
24	6132 - Mixed Lowland Forest with Cedar	Low Density Pole	11.3	96		
26	6111 - Lowland Balsam Poplar	Medium Density	224.2	3		
27	42360 - Upland Cedar	Low Density Pole	81.9	116		
29	6122 - Black Spruce	High Density Pole	23.2	70	51-80	
31	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	13.8	71	51-80	
32	4199 - Other Mixed Upland Deciduous	High Density Sapling	55.5	16		
33	6120 - Lowland Cedar	Medium Density Pole	3.1	116		
34	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	250.3	116	1-50	
35	4130 - Aspen	High Density Pole	117.6	43	1-50	
36	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	32.7	74	51-80	
37	6120 - Lowland Cedar	High Density Pole	97.1	116	51-80	
38	4130 - Aspen	High Density Pole	38.7	41	1-50	
40	4134 - Aspen, Spruce/Fir	High Density Pole	57.3	54	81-110	
41	4134 - Aspen, Spruce/Fir	High Density Pole	10.7	62	81-110	
42	4199 - Other Mixed Upland Deciduous	High Density Pole	20.1	43	1-50	

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## Newberry Mgt. Unit

## Report 8 – Forested Stands

Compartment: 126  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	129.5	66	81-110	Buffer Thrid Creek to Fish Div specifications - do not cut cedar and hemlock
44	4112 - Maple, Beech, Cherry Association	High Density Pole	49.2	82	81-110	
45	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	4.1	60	1-50	
46	42110 - Planted Red Pine	High Density Pole	4.4	73	141-170	hardwood trees are mainly on the edges of the stand.
47	6132 - Mixed Lowland Forest with Cedar	High Density Pole	6.7	80	81-110	
48	42310 - Planted Spruce	High Density Pole	13.7	53	1-50	
49	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	35.8	85	81-110	
50	4112 - Maple, Beech, Cherry Association	Medium Density Pole	9.6	60	1-50	
51	4130 - Aspen	High Density Pole	31.4	40	1-50	
52	4130 - Aspen	High Density Sapling	9.5	14		
53	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	18.7	63	81-110	
55	4139 - Aspen, Mixed Deciduous	High Density Pole	19.2	40	51-80	
56	4199 - Other Mixed Upland Deciduous	High Density Sapling	5.0	28	1-50	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	6233 - Wet Meadow	15.6	No	Unspecified	
8	6220 - Alder/willow	264.9	No	Low	
11	6233 - Wet Meadow	62.5	No	Low	
23	6233 - Wet Meadow	4.6	No	Unspecified	
25	6220 - Alder/willow	25.9	No	Unspecified	
28	6229 - Mixed lowland shrub	10.9	No	Unspecified	
30	6229 - Mixed lowland shrub	277.3	No	Unspecified	
39	6233 - Wet Meadow	31.6	No	Unspecified	
54	50 - Water	2.7	No	Unspecified	