



# Compartment Review Presentation

## Newberry Forest Management Unit

Compartment 83

Entry Year 2015

Acreage: 4,854

County Luce

Management Area: Tahquamenon River Patterned Fen

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**Revision Date:** 08/29/2013

**Stand Examiner:** Amy Douglass

### Legal Description:

T47N R09W Section(s) 19, 20, 21, 28, 29, 30, 31, 32, 33

### Identified Planning Goals:

To maintain a healthy, sustainable forest ecosystem with special emphasis on unique communities and wildlife habitat.

### Soil and topography:

The majority of the compartment is comprised of low, wet marshes (Markey mucky peat; Dawson, Greenwood, and Loxley soils; Carbondale, Lupton, and Tawas soils; Spot-Dawson peats; and Spot-Finch complex), with sand ridges interspersed (Rousseau fine sand and Rousseau-Spot complex).

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

Primarily state-owned lands in and around the compartment, with some private in-holdings. Most in-holdings have camps and are used primarily for hunting. Development is negligible due to the extensive lowlands. The 480 acres in Section 31 was acquired in 2008. In addition, the acquisition included 320 acres in Section 36 in the adjacent compartment.

### Unique Natural Features:

Muskeg, Poor Fen and Bog communities have been identified within the compartment.

### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

### Special Management Designations or Considerations:

M-123 is designated as a Scenic Heritage Route by MDOT.

### Watershed and Fisheries Considerations:

Fisheries Values: Good

Fisheries Concerns: This compartment has the Auger River flowing down through the middle. This section of the Auger River is not a designated trout stream (reaches upstream of M-123 are) and is listed as a cold small river in the Valley Segment Classification. With that said more than likely this section located in the compartment does not contain brook trout. This stretch of river is mostly suitable to white suckers, northern pike, yellow perch, rock bass, chubs, and other minnow species. The key benefit of the Auger River is a nursery area for the fore mentioned species, which help to provide a fishery in the Tahquamenon River. All prescribed treatments need to maintain a 100 foot buffer along the river. The small lakes and ponds located here should also have a 100 foot buffer maintained.

### Wildlife Habitat Considerations:

This compartment is located in the Seney Sand Lake Plain ecological sub-subsection. Marsh, lowland brush, narrow ridges of jack pine, and treed bogs make up a significant portion of the compartment. Vegetative diversity is low in the compartment and appears to be consistent with presettlement times.

Maintaining structural and species diversity as much as possible in harvested stands will help achieve wildlife objectives in this compartment. All mast producing species will be preserved in managed stands and white and red pine trees will be retained in jack pine final harvests to retain wildlife travel corridors and structural diversity. Wildlife featured species in this management area include moose, blackburnian warbler, black bear, red crossbill, snowshoe hare and spruce grouse.

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

Surface sediments consist of peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Collingwood Shale and Trenton Formation subcrop below the glacial drift. The Trenton is quarried for stone in the UP. There are not any gravel pits in the area and potential appears to be limited. There is no economic oil and gas production in the UP.

### Vehicle Access:

Approximately 6 miles north of Newberry via M-123. County Road 510 (Skyline Road) runs through the middle of the compartment heading east from M-123. The Williams Road also runs through a portion of the compartment heading west from M-123. This road is sandy and is very hilly in portions. Access is limited beyond these roads.

#### **Survey Needs:**

Some corner and/or line work will need to be done for recommended treatments in Sections 21, 30 and 31. The private land in Section 30 has been cut, but will need to verify what was used. While the corners are established in Section 32, the southern part of the section line will have to be run.

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

There are no developed recreational facilities within the compartment. The area is used for hunting, fishing, mushroom and berry picking, and wildlife viewing.

#### **Fire Protection:**

The Sleeper Lake fire of 2007 occurred in the portion of this compartment west of M-123. Large fires are possible because of intermixed conifer types, grass/brush openings and difficulty of access with heavy equipment. Neighboring private property would be at risk to wildfires, structure protection would be the priority in the case of wildfire. Experience from Sleeper Lake fire indicates that modified suppression tactics may need to be used. Thorough evaluation of effort required to suppress a fire verses the environmental impacts will need to be done.

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

Most of the area west of M-123 was burned in 2007 in the Sleeper Lake Fire.

#### **The following reports from the Inventory are attached:**

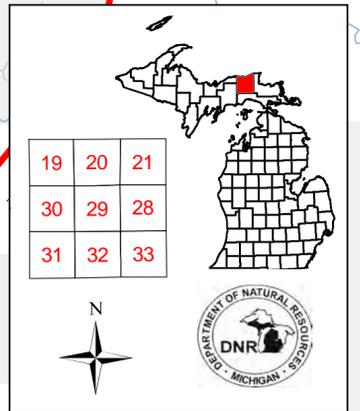
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

#### **The following information is displayed, where pertinent, on the attached compartment maps:**

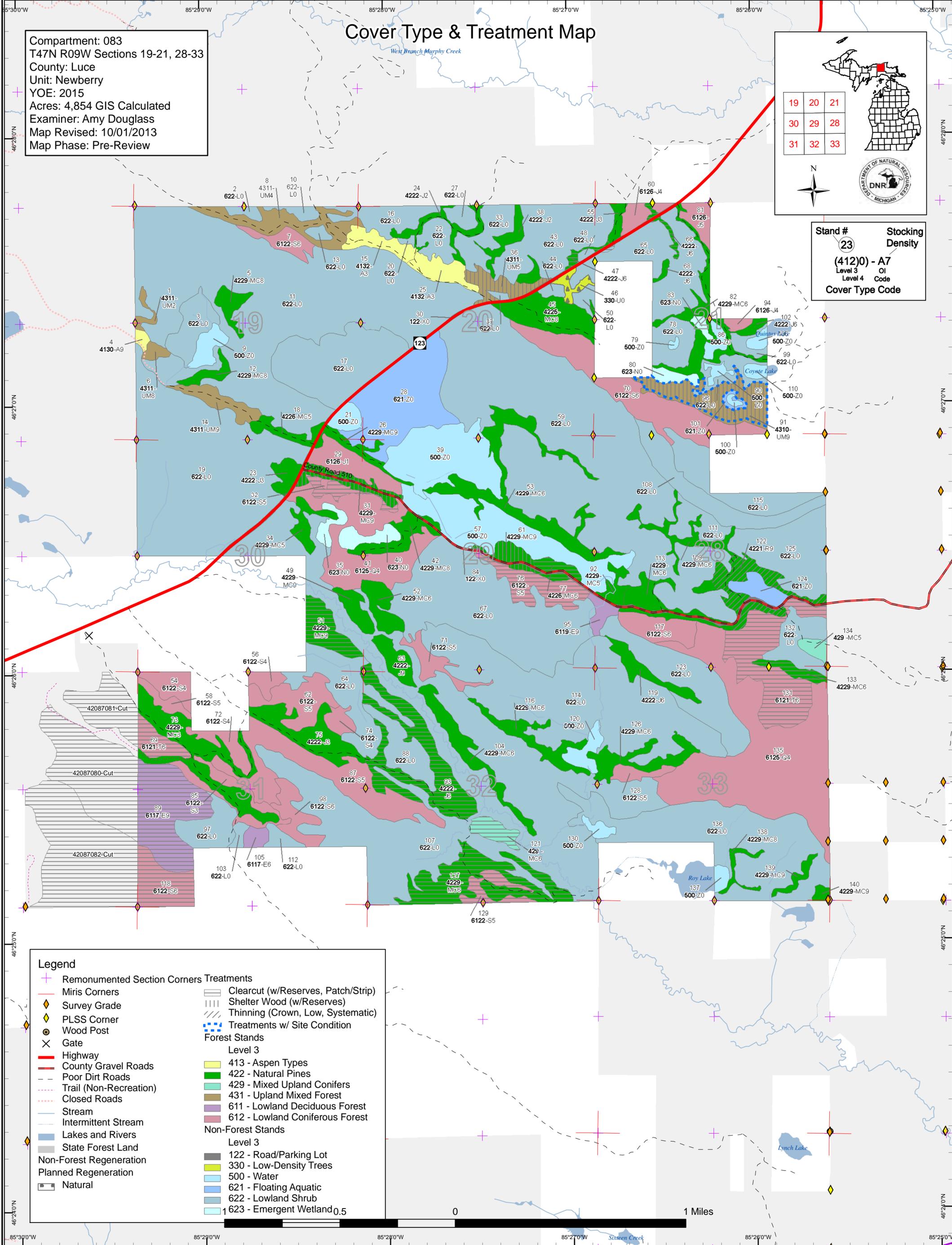
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatment Map

Compartment: 083  
 T47N R09W Sections 19-21, 28-33  
 County: Luce  
 Unit: Newberry  
 YOE: 2015  
 Acres: 4,854 GIS Calculated  
 Examiner: Amy Douglass  
 Map Revised: 10/01/2013  
 Map Phase: Pre-Review



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



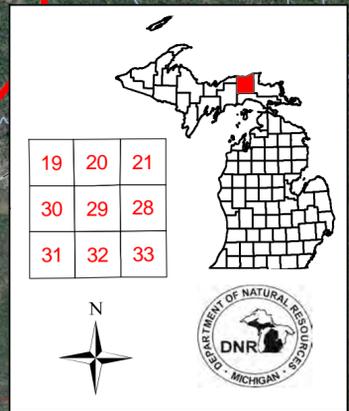
**Legend**

<ul style="list-style-type: none"> <li>✚ Remonumented Section Corners</li> <li>◆ Miris Corners</li> <li>◆ Survey Grade</li> <li>◆ PLSS Corner</li> <li>● Wood Post</li> <li>✕ Gate</li> <li>— Highway</li> <li>— County Gravel Roads</li> <li>— Poor Dirt Roads</li> <li>— Trail (Non-Recreation)</li> <li>— Closed Roads</li> <li>— Stream</li> <li>— Intermittent Stream</li> <li>— Lakes and Rivers</li> <li>— State Forest Land</li> <li>— Non-Forest Regeneration</li> <li>— Planned Regeneration</li> <li>— Natural</li> </ul>	<ul style="list-style-type: none"> <li>▭ Clearcut (w/Reserves, Patch/Strip)</li> <li>▭ Shelter Wood (w/Reserves)</li> <li>▭ Thinning (Crown, Low, Systematic)</li> <li>▭ Treatments w/ Site Condition</li> </ul> <p><b>Forest Stands</b></p> <p>Level 3</p> <ul style="list-style-type: none"> <li>413 - Aspen Types</li> <li>422 - Natural Pines</li> <li>429 - Mixed Upland Conifers</li> <li>431 - Upland Mixed Forest</li> <li>611 - Lowland Deciduous 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>122 - Road/Parking Lot</li> <li>330 - Low-Density Trees</li> <li>500 - Water</li> <li>621 - Floating Aquatic</li> <li>622 - Lowland Shrub</li> <li>623 - Emergent Wetland</li> </ul>
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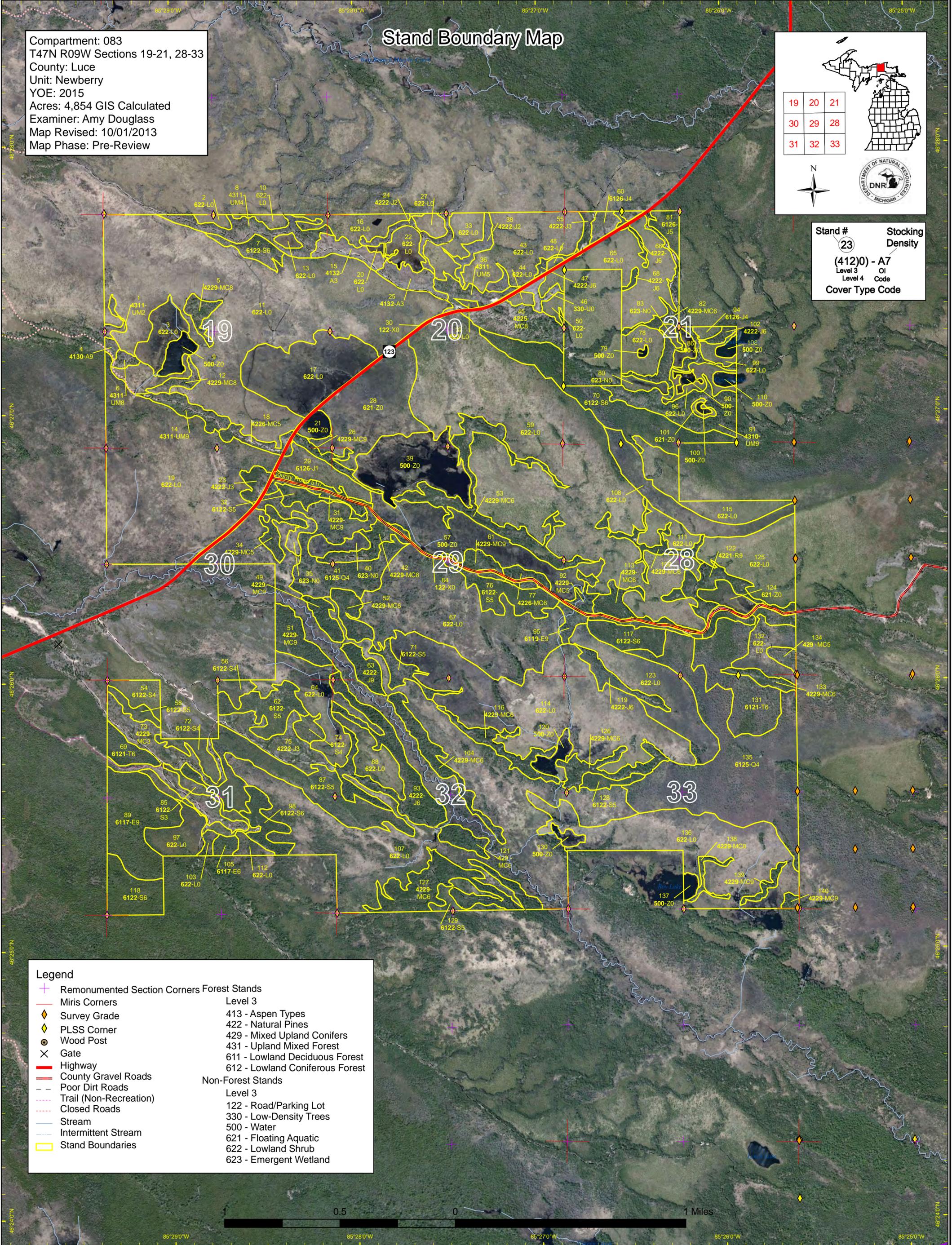
0 1 Miles

# Stand Boundary Map

Compartment: 083  
 T47N R09W Sections 19-21, 28-33  
 County: Luce  
 Unit: Newberry  
 YOE: 2015  
 Acres: 4,854 GIS Calculated  
 Examiner: Amy Douglass  
 Map Revised: 10/01/2013  
 Map Phase: Pre-Review



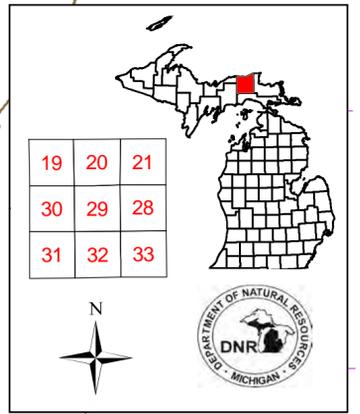
Stand # **23** Stocking Density  
**(4120) - A7**  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code



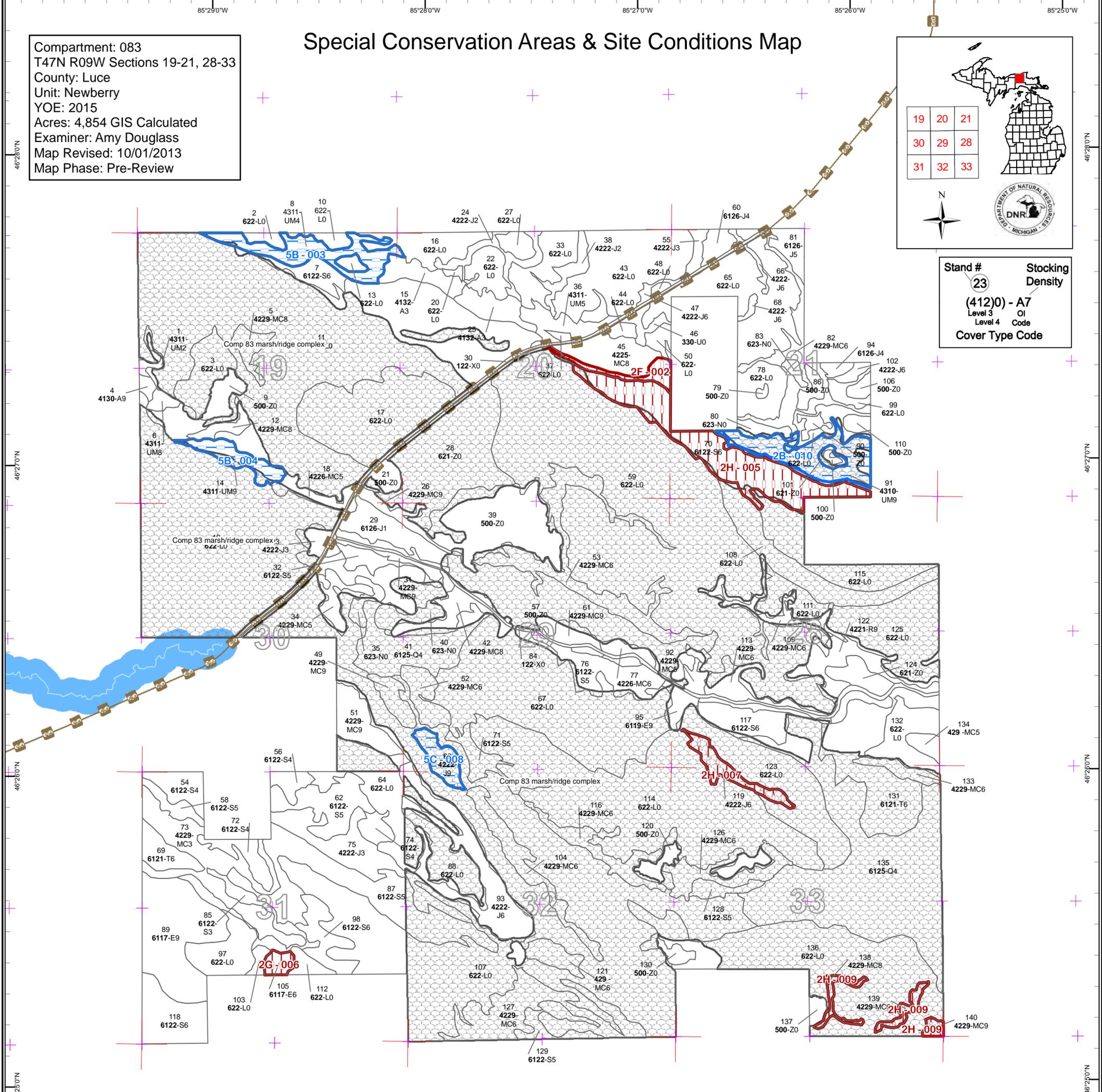
- Legend**
- ✚ Remonumented Section Corners Forest Stands
  - ✚ Miris Corners
  - ◆ Survey Grade
  - ◆ PLSS Corner
  - Wood Post
  - ✕ Gate
  - Highway
  - County Gravel Roads
  - Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Stream
  - Intermittent Stream
  - Stand Boundaries
- |                   |                                 |
|-------------------|---------------------------------|
| Level 3           | 413 - Aspen Types               |
|                   | 422 - Natural Pines             |
|                   | 429 - Mixed Upland Conifers     |
|                   | 431 - Upland Mixed Forest       |
|                   | 611 - Lowland Deciduous Forest  |
|                   | 612 - Lowland Coniferous Forest |
| Non-Forest Stands |                                 |
| Level 3           | 122 - Road/Parking Lot          |
|                   | 330 - Low-Density Trees         |
|                   | 500 - Water                     |
|                   | 621 - Floating Aquatic          |
|                   | 622 - Lowland Shrub             |
|                   | 623 - Emergent Wetland          |

# Special Conservation Areas & Site Conditions Map

Compartment: 083  
 T47N R09W Sections 19-21, 28-33  
 County: Luce  
 Unit: Newberry  
 YOE: 2015  
 Acres: 4,854 GIS Calculated  
 Examiner: Amy Douglass  
 Map Revised: 10/01/2013  
 Map Phase: Pre-Review



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



**Legend**

- ✚ Remonumented Section Corners
- ✚ Miris Corners
- Stand Boundaries
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Site Condition Type
- Available Factors W/ Constraints
  - 5B: Retention for regeneration purposes
  - 5C: Delay treatment for age/size class diversity or exceptional site quality
  - 2B: Unknown if access through adjacent landowner(s) is possible
- Unavailable Factors
  - 2F: Too steep
  - 2G: Too wet (sensitive soils, does not include access issues)
  - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Reviewable SCAs
- Proposed SCAs
  - Proposed SCA
  - SCA Removal
- Dedicated Special Conservation Areas
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



85°29'0"W 85°28'0"W 85°27'0"W 85°26'0"W 85°25'0"W  
 46°28'0"N 46°27'0"N 46°26'0"N 46°25'0"N

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	29	0	0	0	0	0	0	3	0	0	0	0	0	0	31
Jack Pine	26	32	13	0	46	0	0	16	79	0	0	0	0	0	212
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	187	0	71	0	0	0	0	0	0	258
Lowland Deciduous	0	0	0	0	0	0	7	0	71	0	0	0	0	0	78
Lowland Shrub	2798	0	0	0	0	0	0	0	0	0	0	0	0	0	2798
Lowland Spruce/Fir	0	18	0	0	47	0	141	72	109	0	0	0	0	0	388
Marsh	26	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Natural Mixed Pines	0	50	0	130	20	9	0	140	122	13	0	0	0	0	485
Red Pine	0	0	0	0	0	0	0	27	0	0	0	0	0	0	27
Tamarack	0	0	0	0	0	0	0	67	14	0	0	0	0	0	80
Upland Conifers	0	0	6	0	0	0	0	0	11	0	0	0	0	0	16
Upland Mixed Forest	4	0	0	0	0	0	0	91	15	0	0	0	0	0	110
Urban	36	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Water	304	0	0	0	0	0	0	0	0	0	0	0	0	0	304
<b>Total</b>	<b>3227</b>	<b>100</b>	<b>19</b>	<b>130</b>	<b>113</b>	<b>196</b>	<b>148</b>	<b>487</b>	<b>421</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4853</b>



## Report 2 – Proposed Treatment Summaries

**Newberry Mgt. Unit**  
**Year of Entry 2015**

**Compartment 083**  
**Total Compartment Acres: 4,854**

### Acres by Treatment Type

Commercial Harvest - 488    Tree Planting - 0    Other - 0  
 Habitat Cut - 0    Opening Maintenance - 0

### Cover Type by Harvest Method

		<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Lowland Coniferous Forest	158	0	0	0	0	0	0	158
Lowland Deciduous Forest	66	0	0	0	0	0	0	66
Mixed Upland Conifers	11	0	0	0	0	0	0	11
Natural Pines	155	0	0	22	27	0	0	203
Upland Mixed Forest	0	0	0	51	0	0	0	51
<b>Total</b>	<b>389</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>488</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
31	42083031-Cut	12.1	42290 - Natural Mixed Pine	High Density Log	77	111-140	Harvest	Shelter Wood with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red and white pine. Mark these species where appropriate to enhance equipment maneuverability and regeneration of <u>Specs:</u> aspen, jack pine, white pine and red pine. Residual BA will be variable (30 - 70) with some areas maybe more of a thinning (90 - 110). Some areas may be inoperable due to slopes. Leave occasional aspen or birch and spruce. <u>Other</u> Will have to pick spots for decking off the road. Leave any oak found. <u>Comments:</u> <u>Next</u> Regen check per Work Instructions. Acceptable regen includes red pine, white pine, jack pine, aspen and spruce. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
32	42083032-Cut	8.9	6122 - Black Spruce	Medium Density Pole	85		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red and white pine. Leave occasional non-pine. Retention will be on lower end due to small acreage and skinny stand - <u>Specs:</u> lots of edge effect. <u>Other</u> Will need to find best access to this lower ground through adjacent pine stand. <u>Comments:</u> <u>Next</u> Regen check per Work Instructions. Acceptable regen includes black spruce, tamarack, white pine and jack pine. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
36	42083036-Cut	14.9	4311 - Pine, Aspen Mix	Medium Density Pole	71	51-80	Harvest	Shelter Wood with Reserves	4311 - Pine, Aspen Mix	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red pine, white pine and oak. Mark these species where appropriate to enhance equipment maneuverability and <u>Specs:</u> regeneration of aspen, jack pine, white pine, red pine and oak. Residual BA will be variable (20 - 70). Some areas may be inoperable due to slopes. <u>Other</u> May have some fire scarred trees. <u>Comments:</u> <u>Next</u> Regen check per Work Instructions. Acceptable regen includes red pine, white pine, jack pine, aspen, oak and spruce. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
47	42083047-Cut	3.3	42220 - Natural Jack Pine	High Density Pole	80		Harvest	Clearcut	4222 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red and white pine where present. No retention due to small size and location adjacent to roadway. <u>Specs:</u> <u>Other</u> Will have to work with MDOT on access. Continue across M-123 if feasible. <u>Comments:</u> <u>Next</u> Scarify after harvest if needed. Plant to jack pine if scarification fails. Acceptable regen includes jack pine, white pine and red pine. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51	42083051-Cut	20.5	42290 - Natural Mixed Pine	High Density Log	74		Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red and white pine. Maintain appropriate buffer along Auger Creek (100'). Leave some spruce.										
<u>Specs:</u>										
<u>Other</u> Best access is thru private land.										
<u>Comments:</u>										
<u>Next</u> Scarify after harvest if needed. Plant to jack pine if scarification fails. Acceptable regen includes jack pine, white pine, red pine, spruce and										
<u>Steps:</u> tamarack.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
61	42083061-Cut	9.6	42290 - Natural Mixed Pine	High Density Log	82	111-140	Harvest	Shelter Wood with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red and white pine. Mark these species where appropriate to enhance equipment maneuverability and regeneration of										
<u>Specs:</u> aspen, jack pine, white pine and red pine. Residual BA will be variable (30 - 70) with some areas maybe more of a thinning (90 - 110). Leave occasional mature aspen or birch and spruce.										
<u>Other</u> Will have to pick spots for decking off the road. Leave any oak found.										
<u>Comments:</u>										
<u>Next</u> Regen check per Work Instructions. Acceptable regen includes red pine, white pine, jack pine, aspen and spruce.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
66	42083066-Cut	3.4	42220 - Natural Jack Pine	High Density Pole	80		Harvest	Clearcut	4222 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red and white pine where present. Leave some understory spruce along edges. No retention due to small size and location										
<u>Specs:</u> adjacent to roadway.										
<u>Other</u> Will have to work with MDOT on access.										
<u>Comments:</u>										
<u>Next</u> Scarify after harvest if needed. Plant to jack pine if scarification fails. Acceptable regen includes jack pine, white pine and red pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
69	42083069-Cut	13.6	6121 - Tamarack	High Density Pole	87		Harvest	Clearcut with Reserves	612 - Lowland Coniferous Forest	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except white pine and red pine.										
<u>Specs:</u>										
<u>Other</u> Will have to find best access from ridge tops. Include stand in compartment to the west (C-87, std 81).										
<u>Comments:</u>										
<u>Next</u> Regen check per Work Instructions. Acceptable regen includes spruce, tamarack, jack pine, white pine and red pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
76	42083076-Cut	27.1	6122 - Black Spruce	Medium Density Pole	66		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except white pine and red pine.										
<u>Specs:</u>										
<u>Other</u> Cut providing access to bottom of higher ground slope.										
<u>Comments:</u>										
<u>Next</u> Regen check per Work Instructions. Acceptable regen includes spruce, tamarack, jack pine, white pine and red pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
77	42083077-Cut	7.9	42260 - Natural Pine, Mixed Deciduous	High Density Pole	80		Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red and white pine. Mark these species where appropriate to enhance equipment maneuverability and regeneration of aspen, jack pine, white pine and red pine. Leave occasional mature aspen or birch and spruce.										
<u>Specs:</u>										
<u>Other</u> Will have to pick spots for decking off the road. Leave any oak found. Some areas may be difficult for harvesting due to slopes.										
<u>Comments:</u>										
<u>Next</u> Regen check per Work Instructions. Acceptable regen includes red pine, white pine, jack pine, aspen and spruce.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
89	42083089-Cut	65.5	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	88		Harvest	Clearcut with Reserves	613 - Lowland Mixed Forest	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except white pine, red pine and hemlock. Leave some mature non-pine scattered and within retention patches.										
<u>Specs:</u>										
<u>Other</u> Will have to find best access from ridge tops. Include stand in compartment to the west (C-87, std 80).										
<u>Comments:</u>										
<u>Next</u> Regen check per Work Instructions. Acceptable regen includes maple, birch, spruce, fir, aspen, pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
93	42083093-Cut	58.3	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all species except red pine, white pine and oak. Retention will be left in fingers. Leave some spruce and non-pine along edges. Buffer Auger Creek appropriately (100').										
<u>Specs:</u>										
<u>Other</u> Best access is through private land.										
<u>Comments:</u>										
<u>Next</u> Scarify after harvest if needed. Plant to jack pine if scarification fails. Acceptable regen includes jack pine, white pine, red pine, spruce and aspen.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
118 42083118-Cut	29.2	6122 - Black Spruce	High Density Pole	83		Harvest	Clearcut with Reserves	612 - Lowland Coniferous Forest	Cmpt. Review Proposal

Prescription Cut all species except white pine and hemlock.

Specs:

Other Include stand in compartment to the west (C-87, std 82).

Comments:

Next Steps: Regen check per Work Instructions. Acceptable regen includes spruce, tamarack, aspen, birch, maple and white pine.

Proposed

Start Date: 10/01/2014

121 42083121-Cut	10.5	429 - Mixed Upland Conifers	High Density Pole	81		Harvest	Clearcut with Reserves	429 - Mixed Upland Conifers	Cmpt. Review Proposal
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Prescription Cut all species except red pine, white pine and oak. Leave some spruce along edge. Retention will be at lower end due to small acreage. Buffer Auger Creek appropriately.

Specs:

Other Best access is through private land. Bridge will have to be looked at to determine if it is appropriate for hauling, or a temporary bridge would be needed over top of it.

Comments:

Next Steps: Scarify after harvest if needed. Plant to jack pine if scarification fails. Acceptable regen includes jack pine, white pine, red pine, spruce and tamarack.

Proposed

Start Date: 10/01/2014

122 42083122-Cut	26.8	42210 - Natural Red Pine	High Density Log	70	141-170	Harvest	Low Thinning	42290 - Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Cut all species except red pine, white pine and oak. Leave occasional non-pine. Mark red and white pine to approximately 120 BA where needed. Residual BA will be variable.

Specs:

Other Will have to pick spots for decking off the road.

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2014

127 42083127-Cut	53.4	42290 - Natural Mixed Pine	High Density Pole	81		Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Cut all species except red pine, white pine and oak. Leave occasional non-pine. Pockets of red pine/white pine may need to be marked for maneuverability. Retention will be left in fingers. Buffer Auger Creek appropriately (100').

Specs:

Other Best access is through private land. Bridge will have to be looked at to determine if it is appropriate for hauling, or a temporary bridge would be needed over top of it.

Comments:

Next Steps: Scarify after harvest if needed. Plant to jack pine if scarification fails. Acceptable regen includes jack pine, white pine, red pine, spruce and aspen.

Proposed

Start Date: 10/01/2014



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
129	42083129-Cut	12.1	6122 - Black Spruce	Medium Density Pole	68		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species except red pine and white pine. Retention will be left in fingers/patches. May be areas of unmerchantable trees.</p> <p><u>Specs:</u></p> <p><u>Other</u> Best access is through private land. Bridge will have to be looked at to determine if it is appropriate for hauling, or a temporary bridge would be  <u>Comments:</u> needed over top of it.</p> <p><u>Next</u> Regen check per Work Instructions. Acceptable regen includes spruce, jack pine, white pine and red pine. Areas of unmerchantable timber may  <u>Steps:</u> be present.</p> <p><u>Proposed</u>  <u>Start Date:</u> 10/01/2014</p>										
131	42083131-Cut	66.7	6121 - Tamarack	High Density Pole	77		Harvest	Clearcut with Reserves	612 - Lowland Coniferous Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species except white pine and red pine. Leave occasional non-pine.</p> <p><u>Specs:</u></p> <p><u>Other</u>  <u>Comments:</u></p> <p><u>Next</u> Regen check per Work Instructions. Acceptable regen includes spruce, tamarack, white birch, jack pine, white pine and red pine.  <u>Steps:</u></p> <p><u>Proposed</u>  <u>Start Date:</u> 10/01/2014</p>										
133	42083133-Cut	8.0	42290 - Natural Mixed Pine	High Density Pole	79		Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species except white pine and red pine. Leave occasional non-pine.</p> <p><u>Specs:</u></p> <p><u>Other</u>  <u>Comments:</u></p> <p><u>Next</u> Regen check per Work Instructions. Acceptable regen includes red pine, white pine, jack pine, aspen and spruce.  <u>Steps:</u></p> <p><u>Proposed</u>  <u>Start Date:</u> 10/01/2014</p>										
80	42087080-Cut	84.3	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	88		Harvest	Clearcut with Reserves	613 - Lowland Mixed Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all species except white pine, red pine and hemlock. Leave some mature non-pine scattered and within retention patches.</p> <p><u>Specs:</u></p> <p><u>Other</u> Will have to find best access from ridge tops. Include stand in compartment to the east (C-83, std 89).  <u>Comments:</u></p> <p><u>Next</u> Regen check per Work Instructions. Acceptable regen includes maple, birch, spruce, fir, aspen, pine.  <u>Steps:</u></p> <p><u>Proposed</u>  <u>Start Date:</u> 10/01/2014</p>										

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	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
81	42087081-Cut	32.3	6122 - Black Spruce	Medium Density Pole	83		Harvest	Clearcut with Reserves	612 - Lowland Coniferous Forest	Cmpt. Review Proposal

Prescription Cut all species except white pine and red pine.

Specs:

Other Will have to find best access from ridge tops. Include stand in compartment to the east (C-83, std 69).

Comments:

Next Steps: Regen check per Work Instructions. Acceptable regen includes spruce, tamarack, jack pine, white pine and red pine.

Proposed

Start Date: 10/01/2014

82	42087082-Cut	116.7	6122 - Black Spruce	High Density Pole	83		Harvest	Clearcut with Reserves	612 - Lowland Coniferous Forest	Cmpt. Review Proposal
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Prescription Cut all species except white pine and hemlock.

Specs:

Other Include stand in compartment to the west (C-83, std 118).

Comments:

Next Steps: Regen check per Work Instructions. Acceptable regen includes spruce, tamarack, aspen, birch, maple and white pine.

Proposed

Start Date: 10/01/2014

**Total Treatment  
Acreage Proposed: 685.0**

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
91 42083091-Cut	35.8	4310 - Pine, Oak Mix	High Density Log	75	111-140	Harvest	Shelter Wood with Reserves	4310 - Pine, Oak Mix	Cmpt. Review Proposal

Prescription Cut all species except red pine, white pine and oak. Mark these species where appropriate to enhance equipment maneuverability and regeneration of aspen, oak, jack pine, white pine and red pine. Residual BA will be variable (30 - 70) with some areas maybe more of a thinning (90 - 110). Maintain aspen pockets.

Other Comment: Some steep areas will be excluded. Best access through private to the west? Old road located on top of slope along southern edge.

Next Steps: Regen check per Work Instructions. Acceptable regen includes red pine, white pine, jack pine, aspen, oak and spruce.

Proposed Start Date: 10/01/2014

Limiting Factor 2B: Unknown if access through adjacent landowner(s) is possible

**Total Treatment  
Acreage Proposed: 35.8**

## Report 5 – Site Conditions

Newberry Mgt. Unit  
Amy Douglass : Examiner

Compartment 083  
Year of Entry 2015

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	5C	5B	2H	2G	2F	2B
	Available	Not Available								
31	31		<b>Aspen</b>	31						
212	198	13	<b>Jack Pine</b>	186	12		13			
258	258		<b>Lowland Conifers</b>	258						
78	73	5	<b>Lowland Deciduous</b>	73				5		
388	318	70	<b>Lowland Spruce/Fir</b>	318			70			
484	463	21	<b>Natural Mixed Pines</b>	463			13		8	
27	27		<b>Red Pine</b>	27						
80	80		<b>Tamarack</b>	80						
16	16		<b>Upland Conifers</b>	16						
110	110		<b>Upland Mixed Forest</b>	27		47				36
1,684	1,574	110	Total Forested Acres	1,479	12	47	96	5	8	36
	93%	7%	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	2F: Too steep	9				
<b>Comments:</b>							
003	Available	5B: Retention for regeneration purposes	32				
<b>Comments:</b> Stand was burned by Sleeper Lake Fire in 2007. Some unburned timber remains, but good regeneration throughout the stand.							
004	Available	5B: Retention for regeneration purposes	15				
<b>Comments:</b> Stand was burned by Sleeper Lake Fire in 2007. Some unburned timber remains, but good regeneration throughout the stand.							

## Report 5 – Site Conditions

Newberry Mgt. Unit  
Amy Douglass : Examiner

Compartment 083  
Year of Entry 2015

005	<b>Not Available</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	70	
<b>Comments:</b> This stand is below a very high, steep ridge.				
006	<b>Not Available</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	
<b>Comments:</b>				
007	<b>Not Available</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	13	
<b>Comments:</b>				
008	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	12	
<b>Comments:</b> Pick up next entry with adjacent MC stands.				
009	<b>Not Available</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	13	2B: Unknown if access through adjacent landowner(s) is possible
<b>Comments:</b> Upland islands in middle of marsh complex.				
010	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	36	
<b>Comments:</b> Best access is probably through adjacent private land. Old road appears to come from the west, but may be able to access from the east.				



**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>Comp 83 marsh/ridge complex</b>	Other SCA		<b>SCA Removal</b>	3089.8
<b>Comments</b> Previous Stand Condition = 8. Does not meet SCA definitions.				



## Report 7 – 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	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 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	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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4311 - Pine, Aspen Mix	Medium Density	3.6	5		Burned in Sleeper Lake Fire 2007. Many WP stubs from fire. QA saps 5-10' tall; JP 3-5' tall.
4	4130 - Aspen	High Density Log	2.6	71	81-110	Some parts underburned by Sleeper Lake Fire 2007. Manage with stand to the west. Occasional RP and oak. Fire monitoring plot.
5	42290 - Natural Mixed Pine	Medium Density Log	9.1	79		Moderately burned by Sleeper Lake Fire 2007. Island in middle of marsh.
6	4311 - Pine, Aspen Mix	Medium Density Log	4.0	71	1-50	Moderately burned by Sleeper Lake Fire 2007. Some dead from fire, some not. WB stubs/snags from fire. Aspen mainly in one area.
7	6122 - Black Spruce	High Density Pole	12.8	75		Below steep ridge.
8	4311 - Pine, Aspen Mix	Low Density Pole	32.1	79		Patchy older timber surviving from Sleeper Lake Fire 2007. Good regen. Heavier to pine in some areas.
12	42290 - Natural Mixed Pine	Medium Density Log	6.8	79	1-50	Moderately burned by Sleeper Lake Fire 2007. Standing snags. Occasional oak. Old road into stand.
14	4311 - Pine, Aspen Mix	High Density Log	14.7	81	51-80	Moderately burned from Sleeper Lake Fire 2007.
15	4132 - Aspen, Jack Pine	High Density Sapling	14.2	5		Burned in Sleeper Lake Fire 2007. Regen 5-10' tall. Occasional live residual (RP, WP, oak)
18	42260 - Natural Pine, Mixed Deciduous	Medium Density Pole	9.4	57	1-50	Moderately burned Sleeper Lake Fire 2007.
23	42220 - Natural Jack Pine	High Density Sapling	8.5	26		Small pocket of aspen in NE corner. Residual RP and a few RP 3-10' tall. JP 30-40' tall, nice regen! Small buffer along M-123 - good for diversity/retention.
24	42220 - Natural Jack Pine	Medium Density	12.8	5		Burned by Sleeper Lake Fire 2007. Some older trees still standing in patches. Standing JP snags. JP regen 3-10' tall. Stand had been cut in 1985.
25	4132 - Aspen, Jack Pine	High Density Sapling	14.4	5		Burned in Sleeper Lake Fire 2007. Stand occurs along very steep ridge overlooking M-123. Largely inoperable, or very difficult logging chance.
26	42290 - Natural Mixed Pine	High Density Log	9.7	77	51-80	Areas of large trees, areas of poles.
29	6126 - Lowland Jack Pine	Low Density Sapling	23.7	45		
31	42290 - Natural Mixed Pine	High Density Log	12.1	77	111-140	Some legacy RP.



Stand	Newberry Mgt. Unit		Report 8 – Forested Stands			Compartment: 083 Year of Entry: 2015	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
32	6122 - Black Spruce	Medium Density Pole	9.7	85		Lower ground below steep ridges.	
34	42290 - Natural Mixed Pine	Medium Density Pole	10.3	39		Island in middle of vast marsh complex. Upland/lowland. JP/S.	
36	4311 - Pine, Aspen Mix	Medium Density Pole	14.9	71	51-80	A few spots burned heavier than most of the stand (west side). Burned by Sleeper Lake Fire 2007. Ridge offers difficult logging chance.	
38	42220 - Natural Jack Pine	Medium Density	12.9	5		Burned in Sleeper Lake Fire 2007. Regen 3-10' tall. Standing JP snags.	
41	6125 - Lowland Black Spruce, Jack Pine	Low Density Pole	71.1	74			
42	42290 - Natural Mixed Pine	Medium Density Log	16.0	77	51-80	Thinned in 1977. Pockets of aspen 2-3" dbh.	
45	42250 - Pine, Oak	Medium Density Log	33.1	79	51-80	Far east end uncut due to steep slope. Ridge is very steep on the south end of the stand. A bit more open on west end. Variable BA and species. Pockets of WP or RO or oak, or all mixed. Good oak regen. JP regen in old roads. Road access leads to PVT camp.	
47	42220 - Natural Jack Pine	High Density Pole	2.7	80		Not too affected by the Sleeper Lake Fire 2007. Some JP mortality.	
49	42290 - Natural Mixed Pine	High Density Log	10.2	77		Island in middle of vast marsh complex. JP/S.	
51	42290 - Natural Mixed Pine	High Density Log	20.5	74		Upland/lowland mix. JP dying out. Nice regen on PVT land. Access through private land.	
52	42290 - Natural Mixed Pine	High Density Pole	14.5	77		Island in middle of vast marsh complex. Jack pine/black spruce.	
53	42290 - Natural Mixed Pine	High Density Pole	52.8	33		RP in pockets and scattered. Areas with QA sap/pole mixed with pine. Heavier to RP on western 1/4. Road evident from east to big north finger. Occasional oak. Portions cut in 1961 and 1980.	
54	6122 - Black Spruce	Low Density Pole	13.9	47		Treed bog.	
55	42220 - Natural Jack Pine	High Density Sapling	4.7	28		Not too affected by Sleeper Lake Fire 2007. Roadbed for old M-123 is on this ridge.	
56	6122 - Black Spruce	Low Density Pole	7.4	47		Treed bog	
58	6122 - Black Spruce	Medium Density Pole	7.3	47			

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## Newberry Mgt. Unit

## Report 8 – Forested Stands

Compartment: 083  
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	6126 - Lowland Jack Pine	Low Density Pole	8.9	45		
61	42290 - Natural Mixed Pine	High Density Log	9.6	82	111-140	Old roads evident.
62	6122 - Black Spruce	Medium Density Pole	28.7	65		
63	42220 - Natural Jack Pine	High Density Log	12.3	77		Island in middle of vast marsh complex.
66	42220 - Natural Jack Pine	High Density Pole	3.4	80		Narrow ridge in marsh. Not too steep for logging, but possible access issues. Some mortality and blowdown. More mortality on west side of road.
68	42220 - Natural Jack Pine	High Density Pole	1.8	80		Inaccessible.
69	6121 - Tamarack	High Density Pole	13.6	87		
70	6122 - Black Spruce	High Density Pole	70.4	85		Below high ridge. Viewed from ridgetop.
71	6122 - Black Spruce	Medium Density Pole	13.0	77		Island in middle of vast marsh complex. Some upland. Black spruce/jack pine.
72	6122 - Black Spruce	Low Density Pole	11.5	47		
73	42290 - Natural Mixed Pine	High Density Sapling	50.3	15		Regen 10-20' tall.
74	6122 - Black Spruce	Low Density Pole	7.4	47		Some black spruce and jack pine.
75	42220 - Natural Jack Pine	High Density Sapling	31.6	15		Mostly upland sand ridge. Includes some lower ground.
76	6122 - Black Spruce	Medium Density Pole	27.1	66		
77	42260 - Natural Pine, Mixed Deciduous	High Density Pole	7.9	80		Steep ridges along Skyline Road.
81	6126 - Lowland Jack Pine	Medium Density Pole	10.0	47		
82	42290 - Natural Mixed Pine	High Density Pole	29.1	35		Narrow ridges predominantly JP. Wider ridges include steep slopes to marshes, more oaks, RP, A and WP. Lots of oak seedlings. Some areas cut in 1960. Some fingers too narrow/steep for logging.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
85	6122 - Black Spruce	High Density Sapling	17.7	15		Lower ground overall. Regen 5-20' tall.
87	6122 - Black Spruce	Medium Density Pole	73.3	65		
89	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	65.5	88		Data taken from adjacent compartment. Low ground red maple and birch with cedar and spruce.
91	4310 - Pine, Oak Mix	High Density Log	40.5	75	111-140	Some areas heavier to aspen/oak with pine than pine/oak with aspen. Lots of oak seedlings and saplings. Some large pine (18- 20"+) - remnant legacy trees, especially on steep slope down to spruce. Evidence of fire - fire scarred RP and old stumps and stumps with fire scarring. Occasional WB. Old 2-track going out to the west.
92	42290 - Natural Mixed Pine	Medium Density Pole	5.5	82		Contains flow between marshes.
93	42220 - Natural Jack Pine	High Density Pole	58.3	81		Mostly sand ridges; some steep, but similar to what was cut to the west.
94	6126 - Lowland Jack Pine	Low Density Pole	3.3	47		
95	6119 - Mixed Lowland Deciduous Forest	High Density Log	7.1	66		Drainage between marshes.
98	6122 - Black Spruce	High Density Pole	18.3	70		
102	42220 - Natural Jack Pine	High Density Pole	3.4	73		Occasional RP.
104	42290 - Natural Mixed Pine	High Density Pole	23.5	81		Island in middle of vast marsh complex. Jack pine/black spruce.
105	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	5.4	80		
109	42290 - Natural Mixed Pine	High Density Pole	16.9	35		Scotch pine planted as filler after harvest. JP naturally regenerated.
113	42290 - Natural Mixed Pine	High Density Pole	21.1	35		Scotch pine planted as filler after harvest. JP naturally regenerated. Some areas of low ground.
116	42290 - Natural Mixed Pine	High Density Pole	19.6	48		Island in middle of vast marsh complex. Jack pine and black spruce.
117	6122 - Black Spruce	High Density Pole	20.9	72		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
118	6122 - Black Spruce	High Density Pole	29.2	83		Data taken from adjacent compartment. Black spruce stand with a heavy lowland conifer component. Pockets of lowland aspen with red maple, white birch and balsam. Some blowdown.
119	42220 - Natural Jack Pine	High Density Pole	13.4	87		Island in middle of vast marsh complex. JP and S.
121	429 - Mixed Upland Conifers	High Density Pole	10.5	81		
122	42210 - Natural Red Pine	High Density Log	26.8	70	141-170	On edge between log and pole. More logs near southern end, along Skyline Road.
126	42290 - Natural Mixed Pine	High Density Pole	20.8	87		Island in middle of vast marsh complex. Jack pine and black spruce.
127	42290 - Natural Mixed Pine	High Density Pole	55.0	81		Scattered RP and WP - individuals and pockets.
128	6122 - Black Spruce	Medium Density Pole	7.4	77		Black spruce island in middle of vast marsh complex.
129	6122 - Black Spruce	Medium Density Pole	12.1	68		
131	6121 - Tamarack	High Density Pole	66.7	77		
133	42290 - Natural Mixed Pine	High Density Pole	8.0	79		Island in middle of vast marsh complex. Jack pine/black spruce.
134	429 - Mixed Upland Conifers	Medium Density Pole	5.7	22		Variable dbh. Sap/pole size. Fringe of 5-6" WB and RM on southern edge with T/S.
135	6125 - Lowland Black Spruce, Jack Pine	Low Density Pole	186.7	55		
138	42290 - Natural Mixed Pine	Medium Density Log	4.9	90		Island in middle of vast marsh complex. RP/WP/JP/S mix.
139	42290 - Natural Mixed Pine	High Density Log	5.2	90		Island in middle of vast marsh complex. RP/WP/JP/S mix.
140	42290 - Natural Mixed Pine	High Density Log	2.8	90		Island in middle of vast marsh complex. RP/WP/JP/S mix.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	622 - Lowland Shrub	4.1	No	Unspecified	Within Sleeper Lake Fire 2007
3	622 - Lowland Shrub	23.1	Unspecified	Unspecified	Within Sleeper Lake Fire 2007
9	50 - Water	10.6	Unspecified	Unspecified	Within Sleeper Lake Fire 2007
10	622 - Lowland Shrub	5.1	Unspecified	Unspecified	Within Sleeper Lake Fire 2007
11	622 - Lowland Shrub	415.4	Unspecified	Unspecified	Within Sleeper Lake Fire 2007. Includes small upland islands.
13	622 - Lowland Shrub	3.2	No	Unspecified	Within Sleeper Lake Fire 2007
16	622 - Lowland Shrub	23.7	No	Unspecified	Within Sleeper Lake Fire 2007. JP dead from fire. Low shrubs/grasses.
17	622 - Lowland Shrub	83.5	Unspecified	Unspecified	Within Sleeper Lake Fire 2007
19	622 - Lowland Shrub	246.2	No	Unspecified	
20	622 - Lowland Shrub	1.4	Unspecified	Unspecified	Within Sleeper Lake Fire 2007
21	50 - Water	8.2	No	Unspecified	
22	622 - Lowland Shrub	14.5	No	Unspecified	Within Sleeper Lake Fire 2007. JP dead from fire. Low shrubs/grasses.
27	622 - Lowland Shrub	6.9	Unspecified	Unspecified	Within Sleeper Lake Fire 2007
28	621 - Floating Aquatic	85.8	No	Unspecified	
30	122 - Road/Parking Lot	19.4	Yes	Unspecified	M-123
33	622 - Lowland Shrub	24.3	No	Unspecified	Within Sleeper Lake Fire 2007. Some JP seeded in from fire.
35	623 - Emergent Wetland	6.5	No	Unspecified	
37	622 - Lowland Shrub	1.5	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
39	50 - Water	69.3	No	Unspecified	
40	623 - Emergent Wetland	10.3	Unspecified	Unspecified	
43	622 - Lowland Shrub	70.4	No	Unspecified	Within Sleeper Lake Fire 2007. Fair amount of JP seeded in from fire (around 3' tall). Includes small JP islands.
44	622 - Lowland Shrub	3.4	Unspecified	Unspecified	
46	3302 - Low Density Conifer Trees	5.7	Natural Regen	Jack Pine	Scarified in September 2009. Spotty JP regen 2-3' tall. Oak seedlings scattered.
48	622 - Lowland Shrub	1.6	Unspecified	Unspecified	
50	622 - Lowland Shrub	5.1	Unspecified	Unspecified	
57	50 - Water	78.9	Unspecified	Unspecified	
59	622 - Lowland Shrub	417.1	No	Unspecified	Includes some small JP islands.
64	622 - Lowland Shrub	51.9	Unspecified	Unspecified	
65	622 - Lowland Shrub	71.2	Unspecified	Unspecified	Includes some small JP islands.
67	622 - Lowland Shrub	164.0	Unspecified	Unspecified	Includes some small JP islands.
78	622 - Lowland Shrub	20.2	Unspecified	Unspecified	
79	50 - Water	1.1	Unspecified	Unspecified	
80	623 - Emergent Wetland	6.0	Unspecified	Unspecified	
83	623 - Emergent Wetland	2.8	Unspecified	Unspecified	
84	122 - Road/Parking Lot	16.3	Yes	Unspecified	Skyline Road (County Road 510)
86	50 - Water	5.4	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
88	622 - Lowland Shrub	25.1	No	Unspecified	
90	50 - Water	3.4	Unspecified	Unspecified	
96	622 - Lowland Shrub	12.4	No	Unspecified	Some S, WP and JP
97	622 - Lowland Shrub	23.5	Unspecified	Unspecified	
99	622 - Lowland Shrub	5.9	No	Unspecified	Some S, WP and JP
100	50 - Water	1.3	Unspecified	Unspecified	
101	621 - Floating Aquatic	2.2	Unspecified	Unspecified	
103	622 - Lowland Shrub	3.5	Unspecified	Unspecified	
106	50 - Water	3.7	No	Unspecified	Quintus Lake
107	622 - Lowland Shrub	434.4	No	Unspecified	Includes some small JP islands. Auger River flows within stand.
108	622 - Lowland Shrub	44.0	Unspecified	Unspecified	
110	50 - Water	3.8	No	Unspecified	Coyote Lake
111	622 - Lowland Shrub	16.9	Unspecified	Unspecified	
112	622 - Lowland Shrub	6.1	Unspecified	Unspecified	
114	622 - Lowland Shrub	222.7	Unspecified	Unspecified	Includes some small JP islands.
115	622 - Lowland Shrub	39.6	Unspecified	Unspecified	
120	50 - Water	10.4	Unspecified	Unspecified	
123	622 - Lowland Shrub	65.7	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
124	621 - Floating Aquatic	11.5	Unspecified	Unspecified	
125	622 - Lowland Shrub	63.3	Unspecified	Unspecified	
130	50 - Water	4.6	Unspecified	Unspecified	
132	622 - Lowland Shrub	25.4	Unspecified	Unspecified	
136	622 - Lowland Shrub	151.2	Unspecified	Unspecified	Includes some small JP islands.
137	50 - Water	4.0	Unspecified	Unspecified	Roy Lake