



# Compartment Review Presentation

## Newberry Forest Management Unit

Compartment 42013

Entry Year 2017

Acreage: 1,899

County Luce

Management Area: Deer Park

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**Revision Date:** 2015-08-21

**Stand Examiner:** Ryan Mattila

**Legal Description:**

T49N R12W Section 13 and T49N R11W Section(s) 16-18

**Identified Planning Goals:**

To maintain and enhance forest health and diversity while incorporating recreational, wildlife, fire, and any additional special concerns.

**Soil and topography:**

Rolling uplands of Rubicon sand with steep hills on the west end, and another ridgeline angling across the middle of section(s) 16, 17.

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

State-owned lands surround the compartment.

**Unique Natural Features:**

MNFI has identified the potential for goshawk, red-shouldered hawk, eagle, and osprey. Potential for moose and wolf. Potential for pine drops or false violet in pines. Auricled twayblade to NW. American dune wild-rye to NE. Black crowberry to N.

**Archeological, Historical, and Cultural Features:**

None known at this time, although old logging grade remnants can be found throughout area.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

Fisheries Values: None

Fisheries Concerns: This compartment contains no lakes or streams that would contain any fish communities.

**Wildlife Habitat Considerations:**

Compartment 13 lies in the far northern portion of Luce county and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment is in the Deer Park Management Area and has American marten, Piping plover, Kirtland's warbler and red crossbill as featured species. The vegetation is primarily red, white, and jack pine with a few stands of aspen and birch scattered throughout the compartment. Stands have a nice diversity of tree species. Overall, pre-settlement vegetation patterns appear to have been similar to the current landscape of this compartment.

In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and maintaining as much structural diversity as possible in managed stands will be important to achieving wildlife objectives. For example, retaining soft and hard mast producing species will provide food sources, nest and den trees, and improve stand diversity. Maintaining habitat connectivity between stands of mature timber will be important for marten and other species. Wildlife species potentially using this compartment include white-tailed deer, black bear, spruce grouse, ruffed grouse, snowshoe hare, gray wolves, coyote and fox.

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

Sections 16 – 18 & 21, T49N-R11W, Luce County.

Surface sediments consist of lacustrine sand and gravel. There is insufficient data to determine the glacial drift thickness. The Cambrian Munising Group and Precambrian Jacobsville Sandstone subcrop below the glacial drift. The Jacobsville has been used as a building stone in the past. Gravel pits are not located in the area, but there may be some potential. There is no economic oil and gas production in the UP.

**Vehicle Access:**

From Newberry, follow M-123 north to Co Rd 407. Follow Co Rd 407 ~ 19 miles north to Co Rd 410. Go west on Co Rd

410 for ~ 3.5 miles to N/S fire lane which will lead you into the SE corner of the compartment. Interior compartment roads are mainly poor sand two-tracks.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

The Pine Ridge ORV trail runs throughout the compartment. Blueberry picking in the late summer, deer hunting.

**Fire Protection:**

Fire lane road breaks are in place along section lines. The compartment is a part of the Two Hearted Zone Dispatch area. Very large fire runs are not expected because of the many stands of different conifer species, age classes and densities. Mostly dry sandy soils over much of the area should allow normal fire suppression efforts to be successful.

**Additional Compartment Information:**

None

**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**

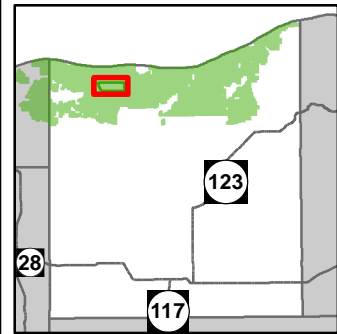
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

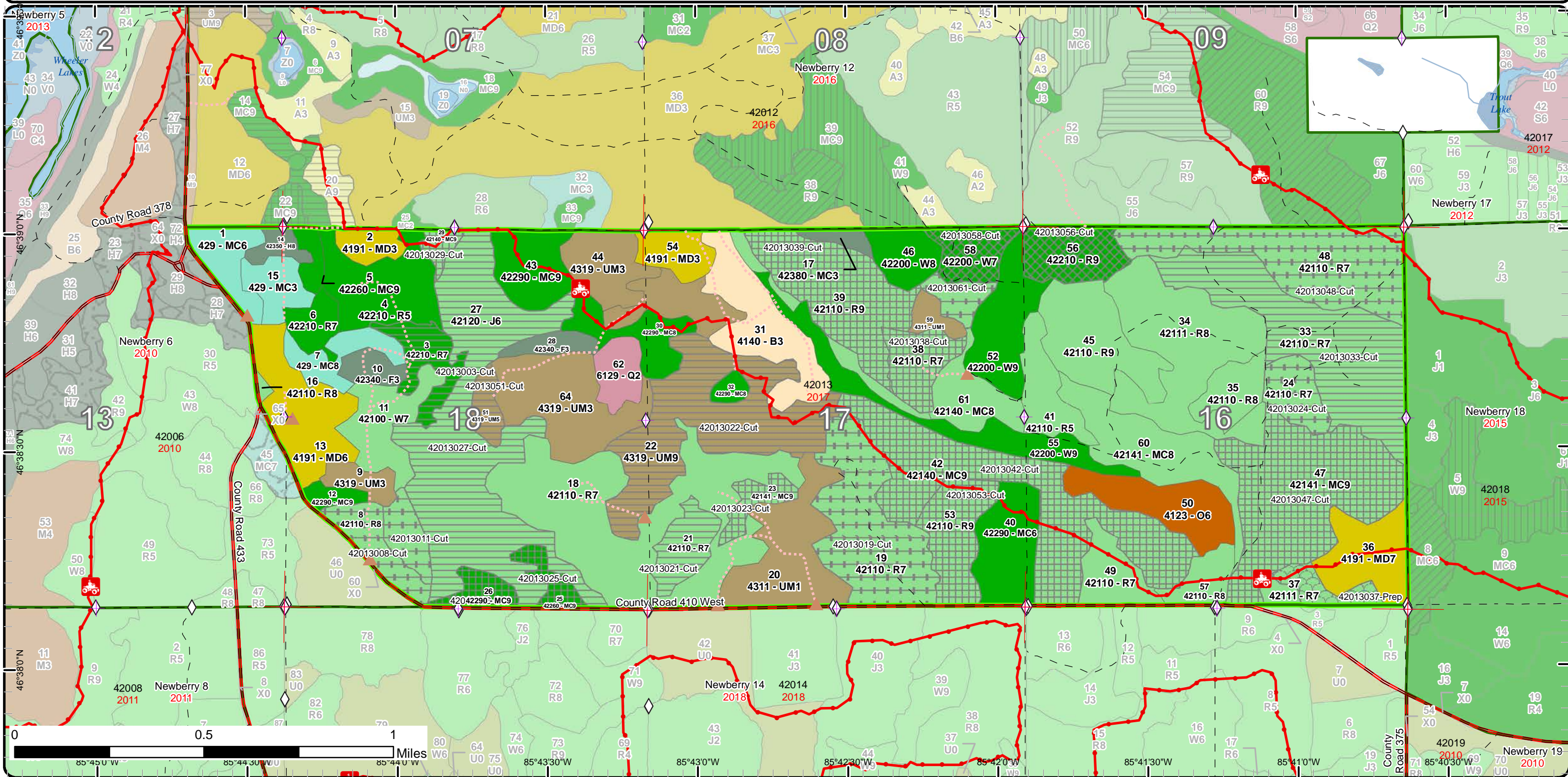


# Cover Type & Treatments Map

Compartment: 13  
 T49N R11W Sec. 16-18  
 T49N R12W Sec. 13  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Deer Park  
 YOE: 2017  
 Acres: 1899 GIS Calculated  
 Examiner: Ryan Mattila  
 Map Revised: 3/30/2016  
 Map Phase: Post-Review



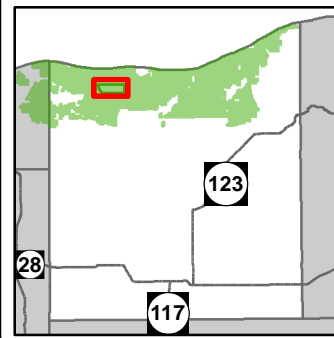
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|---|--|--|
| <ul style="list-style-type: none"> <li>— Miris Corners</li> <li>— Remonumented Section Corners</li> <li>◇ Field Grade GPS Corners</li> <li>ORV Trails</li> <li>ORV License &amp; Trail Permit</li> <li>— Designated ATV</li> <li>△ Berms</li> <li>— County Gravel Roads</li> <li>— Poor Dirt Roads</li> <li>— Closed Roads</li> <li>— Rivers</li> <li>□ Compartment Boundary</li> </ul> | <ul style="list-style-type: none"> <li>Site Prep</li> <li>Selection (Group, Single Tree)</li> <li>Clearcut (w/Reserves)</li> <li>Harvest, Overstory Removal</li> <li>Seed Tree (w/Reserves)</li> </ul> <p>Forest Covertype</p> <ul style="list-style-type: none"> <li>412 - Oak Types</li> <li>414 - Other Upland Deciduous</li> <li>419 - Mixed Upland Deciduous</li> <li>421 - Planted Pines</li> <li>422 - Natural Pines</li> <li>423 - Other Upland Conifers</li> <li>429 - Mixed Upland Conifers</li> </ul> | <ul style="list-style-type: none"> <li>430 - Upland Mixed Forests</li> <li>612 - Lowland Coniferous Forest</li> <li>Lakes</li> </ul> |
|---|--|--|



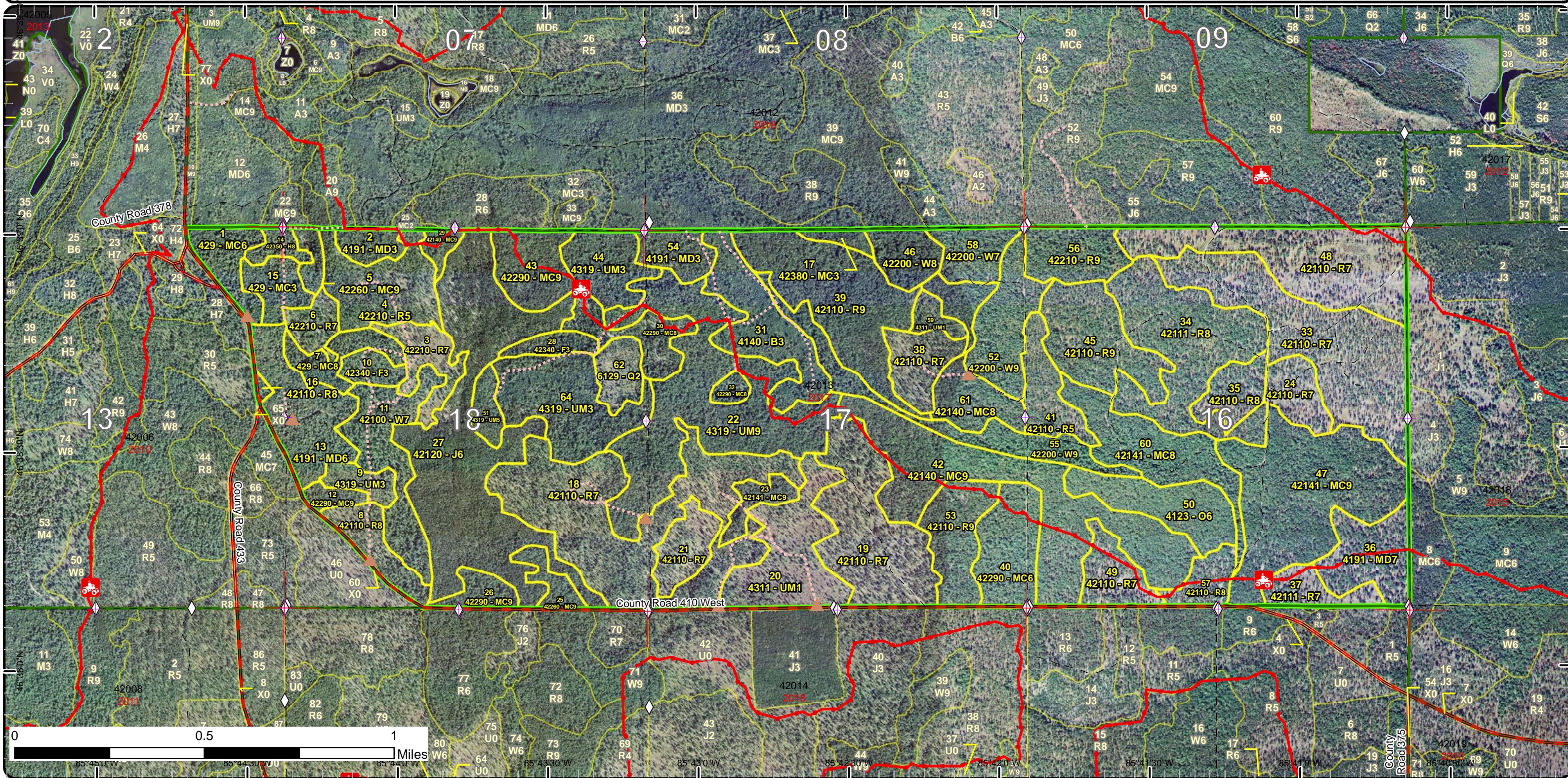


# Stand Boundary Map

Compartment: 13  
 T49N R11W Sec. 16-18  
 T49N R12W Sec. 13  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Deer Park  
 YOE: 2017  
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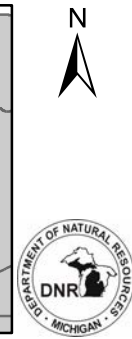
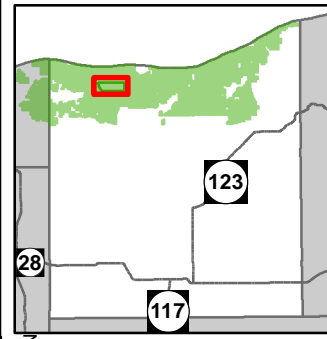
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- ORV Trails
- ORV License & Trail Permit
- Designated ATV
- Berms
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Rivers
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forests
- 612 - Lowland Coniferous Forest



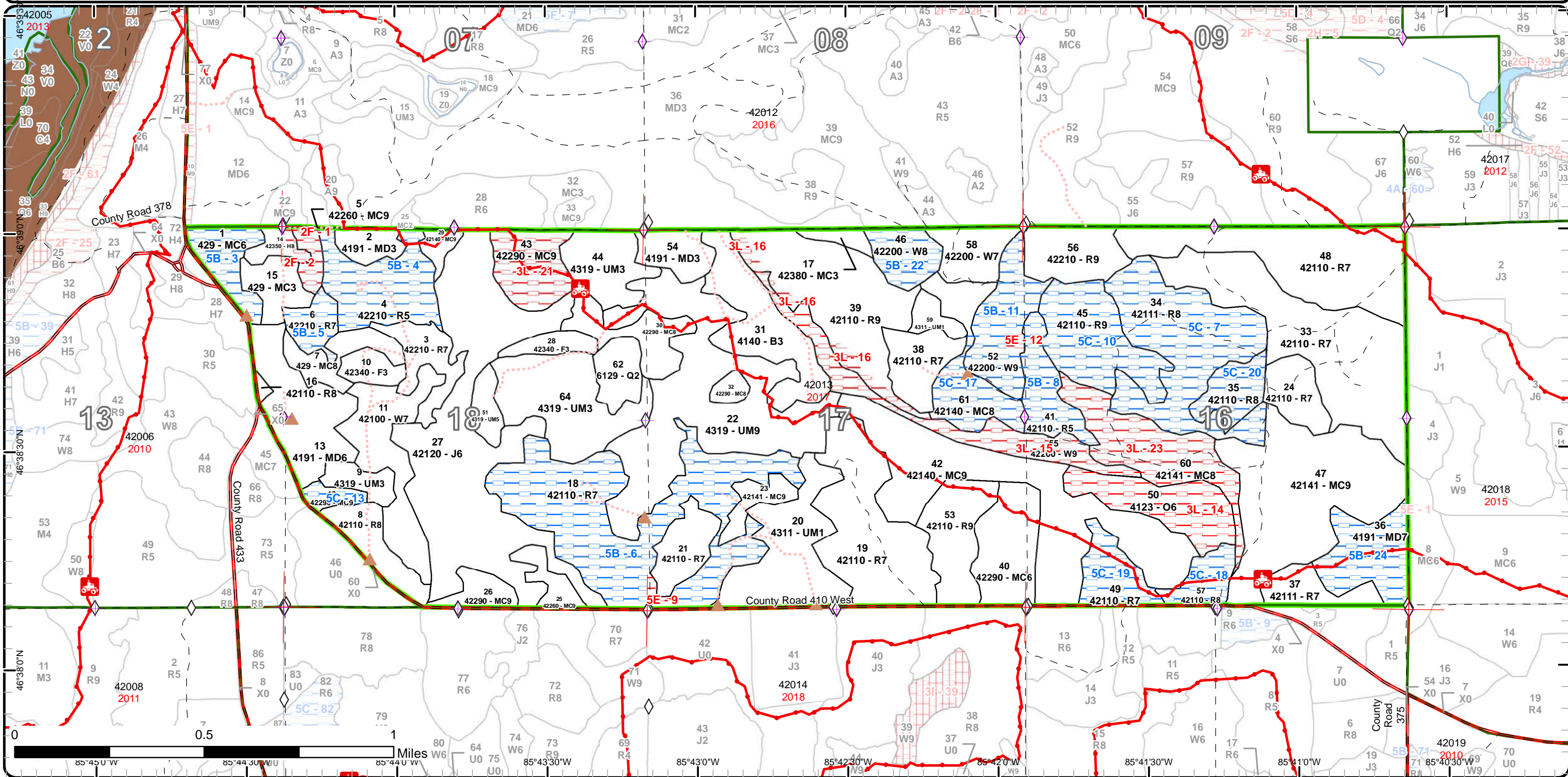


# Special Conservation Areas & Site Conditions Map

Compartment: 13  
 T49N R11W Sec. 16-18  
 T49N R12W Sec. 13  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Deer Park  
 YOE: 2017  
 Acres: 1899 GIS Calculated  
 Examiner: Ryan Mattila  
 Map Revised: 3/30/2016  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Field Grade GPS Corners
- ORV Trails
- ORV License & Trail Permit
- Designated ATV
- ▲ Berms
- County Gravel Roads
- - - Poor Dirt Roads
- - - Closed Roads
- Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- Wildlife Management Areas
- Other SCA (No Category Assigned)



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Jack Pine	0	0	0	0	0	0	0	0	127	0	0	0	0	0	0	0	0	0	127
Lowland Conifers	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Mixed Upland Deciduous	0	0	0	0	9	14	0	0	0	0	0	30	0	0	0	0	0	39	92
Natural Mixed Pines	0	0	0	0	0	35	0	0	20	49	6	0	0	0	0	0	0	0	110
Oak	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	31
Paper Birch	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Planted Mixed Pines	0	0	0	0	0	0	0	0	5	261	0	0	0	0	0	0	0	0	266
Red Pine	0	0	0	0	0	0	0	0	148	600	0	0	0	0	0	0	0	23	771
Upland Conifers	0	0	0	14	5	0	0	0	0	15	0	0	0	0	0	0	17	0	51
Upland Mixed Forest	0	53	9	0	0	70	0	8	0	0	0	0	0	0	0	0	0	104	244
Upland Spruce/Fir	0	0	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	16
White Pine	0	0	0	0	0	0	0	0	37	0	0	95	0	0	0	0	0	0	132
<b>Total</b>	<b>0</b>	<b>53</b>	<b>17</b>	<b>27</b>	<b>54</b>	<b>127</b>	<b>0</b>	<b>8</b>	<b>337</b>	<b>956</b>	<b>6</b>	<b>125</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>173</b>	<b>1900</b>



## Report 2 – Treatment Summary

Newberry Mgt. Unit

Compartment 13

Year of Entry:

Acres of Harvest

Total Compartment Acres: 1,899

Commercial Harvest -  
 Harvests with Site Condition - 0  
 Next Step Harvest - 0  
 Habitat Cut -

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	127	0	0	0	0	0	0	0	0	127
Natural Mixed Pines	0	0	0	18	0	0	0	0	0	18
Planted Mixed Pines	0	0	0	197	0	0	9	0	0	206
Red Pine	119	23	0	102	0	0	162	0	0	407
Upland Mixed Forest	93	0	0	0	0	0	0	0	0	93
White Pine	0	17	0	0	0	0	12	0	0	28
<b>Total</b>	<b>339</b>	<b>40</b>	<b>0</b>	<b>317</b>	<b>0</b>	<b>0</b>	<b>183</b>	<b>0</b>	<b>0</b>	<b>880</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	880	10	0	0	0	0	0	0	0	890
Next Step	0	572	129	0	85	0	1010	0	0	1796
<b>Total</b>	<b>880</b>	<b>582</b>	<b>129</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>1010</b>	<b>0</b>	<b>0</b>	<b>2686</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
3	42013003-Cut	17.7	42210 - Natural Red Pine	Sawtimber Poor	71	Unspecified	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Uneven-Aged	Draft Field Boundary

**Habitat Cut: No Site Condition:**

Prescription Natural regen failed last entry, clear cut to remove over story leaving 1 tree per acre for retention. Trench and plant to Red Pine  
Specs:

Next Step Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); SitePrep, Trenching  
Treatments:

Acceptable planted red pine  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

8	42013008-Cut	17.6	42110 - Planted Red Pine	Sawtimber Medium	76	1-50	Harvest	Overstory Removal	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No Site Condition:**

Prescription Harvest to remove over story and release red and jack pine regeneration. Leave 10 red pine trees / ac and all oak, for retention and wildlife.  
Specs:

Next Step  
Treatments:

Acceptable regen present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

11	42013011-Cut	11.8	42100 - Planted White Pine	Sawtimber Poor	76	1-50	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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**Habitat Cut: No Site Condition:**

Prescription Harvest to remove over story and release regeneration, leave 10 pine trees / ac, all oak and hemlock for retention and wildlife.  
Specs:

Next Step  
Treatments:

Acceptable regen present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

19	42013019-Cut	61.7	42110 - Planted Red Pine	Sawtimber Poor	85	1-50	Harvest	Overstory Removal	42290 - Natural Mixed Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No Site Condition:**

Prescription Harvest to remove over story and release red and jack pine regeneration. Leave approximately 10 red pine trees / ac and all oak for retention and wildlife. The Pine Ridge ORV trail runs along edge of stand, protect during timber sale.  
Specs:

Next Step  
Treatments:

Acceptable regen present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
21	42013021-Cut	16.8	42110 - Planted Red Pine	Sawtimber Poor	85	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Two-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Natural regen failed last entry, clear cut to remove over story leaving 1 tree per acre for retention. Trench and plant to Red Pine  
Specs:

Next Step Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); SitePrep, Trenching  
Treatments:

Acceptable planted red pine  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

22	42013022-Cut	84.4	4319 - Mixed Upland Forest	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mixed stand, clear cut to regenerate, leave pocket retention in areas with high species diversity. The Pine Ridge ORV trail runs through stand,  
Specs: protect during timber sale.

Next Step  
Treatments:

Acceptable any mix of tree species at acceptable stocking levels mixed pine and deciduous  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

23	42013023-Cut	9.3	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	85	111-140	Harvest	Seed Tree with Retention	4133 - Aspen, Mixed Pine	Two-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut stand, leave about 20 BA of red and white pine and all oak for seed, retention, and wildlife.  
Specs:

Next Step  
Treatments:

Acceptable any mix of tree species  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

24	42013024-Cut	15.7	42110 - Planted Red Pine	Sawtimber Poor	85	1-50	Harvest	Overstory Removal	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Harvest red pine to remove over story and release red and jack pine regeneration. Leave 10 red pine trees / ac and all oak, maple, birch, and  
Specs: some white pine for retention and wildlife.

Next Step  
Treatments:

Acceptable acceptable regeneration present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
25	42013025-Cut	8.9	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	85	111- 140	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Two-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Cut stand, leave about 20 BA of red and white pine and all oak, for seed, retention, and wildlife.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any mix of tree species

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

26	42013026-Cut	9.6	42290 - Natural Mixed Pine	Sawtimber Well	85	111- 140	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Two-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut stand, leave about 20 BA of red and white pine and all oak, for seed, retention, and wildlife.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable acceptable regen will be any mix of tree species

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

27	42013027-Cut	127.3	42120 - Planted Jack Pine	Poletimber Well	78	Unspec ified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clear cut to regenerate, leave a pocket or two to meet retention guidelines, also leave any hemlock and some white pine in the north part of stand for wildlife.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable target regen is jack pine but any mix of red pine, jack pine, oak, birch, or aspen may be accepted

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

29	42013029-Cut	5.1	42140 - Planted Mixed Pine	Sawtimber Well	76	111- 140	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Two-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut stand, leave about 20 BA of red and white pine and all oak and hemlock were present, for seed, retention, and wildlife. The Pine Ridge ORV trail runs through stand, protect during timber sale.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable target regen is a mixed pine stand but any mix of tree species will be accepted

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016





St a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
33	42013033-Cut	84.9	42110 - Planted Red Pine	Sawtimber Poor	86	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Regen harvests the last two rotations has been unsuccessful at establishing a fully stocked regenerated stand. Harvest to remove over story and release red and jack pine regeneration present. Leave all maple, birch, oak and up to 5 white pine trees / ac in areas of the stand. Trench and inter plant areas with out regen to red pine.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Burn, Slash											
<u>Treatments:</u>											
<u>Acceptable</u> red pine with a mix of jack pine and deciduous											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
37	42013037- Prep	10.0	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Poor	85	1-50	SitePrep	Trenching	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Natural regen failed last entry, trench and plant to jack pine. The Pine Ridge ORV trail runs through stand, protect during trenching operations.											
<u>Specs:</u>											
<u>Next Step</u> Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> planted jack pine mixed with natural pine and deciduous											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
38	42013038-Cut	19.2	42110 - Planted Red Pine	Sawtimber Poor	85	51-80	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Two-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Harvest to remove about half of the over story. Scarify areas without acceptable regen to promote red pine regeneration.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> mixed red and jack pine											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
39	42013039-Cut	54.5	42110 - Planted Red Pine	Sawtimber Well	85	141- 170	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Two-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Cut stand, leave about 20 BA of red and white pine and all oak and hemlock ware present, for seed, retention, and wildlife.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> any mix of red and jack pine if natural regen falls plant to red pine											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
42	42013042-Cut	93.2	42140 - Planted Mixed Pine	Sawtimber Well	85	111-140	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary

**Habitat Cut: No**

**Site Condition:**

Prescription Cut to regenerate a mixed pine stand, leave 20 BA/ac of pine (mostly red pine) and all oak, for retention, seed, and wildlife. The Pine Ridge ORV trail runs through stand, protect during timber sale.  
Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable any mix of tree species  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

47	42013047-Cut	89.3	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	85	81-110	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut to regenerate a mixed pine stand, leave 20 BA/ac of pine (mostly red pine) and all oak, for retention, seed, and wildlife. The Pine Ridge ORV trail runs through stand, protect during timber sale.  
Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable any mix of tree species  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

48	42013048-Cut	67.4	42110 - Planted Red Pine	Sawtimber Poor	85	1-50	Harvest	Overstory Removal	42290 - Natural Mixed Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No**

**Site Condition:**

Prescription Harvest red pine to remove over story and release red and jack pine regeneration, Leave 10 red pine trees / ac and all oak, maple, birch, and some white pine for retention and wildlife. The Pine Ridge ORV trail runs through stand, protect during timber sale.  
Specs:

Next Step  
Treatments:

Acceptable regen present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

51	42013051-Cut	8.3	4319 - Mixed Upland Forest	Poletimber Medium	68	51-80	Harvest	Clearcut with Retention	414 - Other Upland Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No**

**Site Condition:**

Prescription Clear cut to regenerate birch, leave 8 of the largest diameter conifer trees in stand for retention and wildlife.  
Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable target regen is a mixed deciduous stand with birch but any mix of tree species may be accepted  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
53	42013053-Cut	28.2	42110 - Planted Red Pine	Sawtimber Well	85	111- 140	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Two-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Cut stand, leave about 20 BA of red and white pine and all oak, for seed, retention, and wildlife. The Pine Ridge ORV trail runs through stand, protect during timber sale.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable any mix of tree species  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

56	42013056-Cut	23.2	42210 - Natural Red Pine	Sawtimber Well	101	81-110	Harvest	Single Tree Selection	429 - Mixed Upland Conifers	Uneven- Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mark stand, cut to release existing regeneration and thin stand, concentrate marking on poor formed and larger diameter trees.

Next Step  
Treatments:

Acceptable regen present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

58	42013058-Cut	16.7	42200 - Natural White Pine	Sawtimber Poor	101	1-50	Harvest	Single Tree Selection	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mark stand, cut to release existing regeneration and thin stand, concentrate marking on poor formed and larger diameter trees.

Next Step  
Treatments:

Acceptable regen present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

61	42013061-Cut	9.1	42140 - Planted Mixed Pine	Sawtimber Medium	85	1-50	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut to remove over story, all trees >6"DBH. No retention due to small acreage, partial stand cut, and advanced regen.

Next Step  
Treatments:

Acceptable regen present  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/01/2016

**Total Treatment  
Acreage Proposed: 889.7**



## Report 5 – Site Conditions

Newberry Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 13  
Year of Entry: 2017

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
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### Dominant Site Conditions

**5B 5C 2F 3L 5E**

7	5	0	2	Dominant Site Conditions	5B	5C	2F	3L	5E
				Hemlock			2		
127	127	0	0	Jack Pine					
13	13	0	0	Lowland Conifers					
91	62	30	0	Mixed Upland Deciduous	30				
109	73	6	30	Natural Mixed Pines		6	6	24	
31	0	0	31	Oak				31	
40	40	0	0	Paper Birch					
266	206	20	41	Planted Mixed Pines		20		41	
770	422	336	12	Red Pine	177	159		10	2
51	34	17	0	Upland Conifers	17				
244	244	0	0	Upland Mixed Forest					
16	16	0	0	Upland Spruce/Fir					
132	54	44	34	White Pine	44			32	1
1,899	1,296	453	150	Total Forested Acres	268	184	8	138	4
	68%	24%	8%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> hemlock in stand meet age criteria, stand being managed is regenerating under the hemlock							

## Report 5 – Site Conditions

Newberry Mgt. Unit  
 Ryan Mattila : Examiner

Compartment: 13  
 Year of Entry: 2017

4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand harvested last rotation, stand in the process of regenerating							
5	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand harvested last rotation, stand in the process of regenerating							
6	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	109	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand harvested last rotation, stand in the process of regenerating							
7	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	72	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand harvested last rotation, stand in the process of regenerating							
9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand harvested last rotation, stand in the process of regenerating							



## Report 5 – Site Conditions

Newberry Mgt. Unit  
Ryan Mattila : Examiner

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Year of Entry: 2017

10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand harvested last rotation, stand in the process of regenerating							
12	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand harvested last rotation, stand in the process of regenerating							
13	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	32	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	32	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> reserved for travel corridor and habitat connectivity							

## Report 5 – Site Conditions

Newberry Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 13  
Year of Entry: 2017

16	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> reserved for travel corridor and habitat connectivity							
17	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	24	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Harvest delayed to maintain Marten Habitat in area							



## Report 5 – Site Conditions

Newberry Mgt. Unit  
 Ryan Mattila : Examiner

Compartment: 13  
 Year of Entry: 2017

22	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	41	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Harvest delayed to maintain Marten Habitat in area							
24	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



## 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
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Comments

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Mgt. Unit

Compartment:

Year of Entry



### 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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	429 - Mixed Upland Conifers	Poletimber Well	17.4	179	1-50	stand cut at part of "Seven Mile Birch 012-89" sale regenerating well to a mixed stand mostly RM and BF
2	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	9.0	38	Unspecified	Stand Cut in 1987 regenerated to a mixed stand mostly RM, BF, and PB
3	42210 - Natural Red Pine	Sawtimber Poor	17.7	71	Unspecified	Needs Regen Check
4	42210 - Natural Red Pine	Poletimber Medium	36.4	84	51-80	cut as part of "Section 18 Pine 034-07"
5	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	6.2	85	111-140	steep slope not harvested when adjacent stand were harvested
6	42210 - Natural Red Pine	Sawtimber Poor	10.9	84	1-50	cut as part of "Section 18 Pine 034-07"
7	429 - Mixed Upland Conifers	Sawtimber Medium	15.4	84	81-110	
8	42110 - Planted Red Pine	Sawtimber Medium	17.6	76	1-50	
9	4319 - Mixed Upland Forest	Sapling Well	8.9	15	Immature	Stand regenerating to good mix, cut as part of "The Casper Sale 029-97"
10	42340 - Upland Spruce/Fir	Sapling Well	8.3	14	Immature	
11	42100 - Planted White Pine	Sawtimber Poor	37.1	76	1-50	
12	42290 - Natural Mixed Pine	Sawtimber Well	5.6	91	111-140	
13	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	39.1	61	81-110	
14	42350 - Upland Hemlock	Sawtimber Medium	6.5	179	Unspecified	
15	429 - Mixed Upland Conifers	Sapling Well	13.8	25	Immature	Sale cut as part of "Seven Mile Birch 012-89"
16	42110 - Planted Red Pine	Sawtimber Medium	1.4	85	1-50	
17	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sapling Well	4.9	38	1-50	
18	42110 - Planted Red Pine	Sawtimber Poor	111.9	79	51-80	

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## Newberry Mgt. Unit

## Report 8 – Forested Stands

Compartment: 13  
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	42110 - Planted Red Pine	Sawtimber Poor	61.7	85	1-50	
20	4311 - Pine, Aspen Mix	Sapling Poor	46.3	8	Immature	
21	42110 - Planted Red Pine	Sawtimber Poor	16.8	85	1-50	need regen survey
22	4319 - Mixed Upland Forest	Sawtimber Well	104.4	86	81-110	variable stand
23	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	9.3	85	111-140	
24	42110 - Planted Red Pine	Sawtimber Poor	15.7	85	1-50	Stand harvested as part of "Big Corner JP 044-97"
25	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	8.9	85	111-140	
26	42290 - Natural Mixed Pine	Sawtimber Well	9.6	85	111-140	
27	42120 - Planted Jack Pine	Poletimber Well	127.3	78	Unspecified	
28	42340 - Upland Spruce/Fir	Sapling Well	7.8	41	Unspecified	lower frost pocket
29	42140 - Planted Mixed Pine	Sawtimber Well	5.1	76	111-140	
30	42290 - Natural Mixed Pine	Sawtimber Medium	19.6	71	1-50	mixed stand more red pine to east, white pine to south appears to have been harvested, regen coming in under over story pine
31	4140 - Other Upland Deciduous	Sapling Well	39.8	38	1-50	
32	42290 - Natural Mixed Pine	Sawtimber Medium	4.1	40	1-50	
33	42110 - Planted Red Pine	Sawtimber Poor	84.9	86	51-80	Stand has been harvested as part of sale "Big Corner JP 044-97" and as part of "Big Corner Pine Revisit 036-07". Do regen check
34	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	71.9	85	51-80	stand harvested as part of "Big Corner Pine Revisit 036-07"
35	42110 - Planted Red Pine	Sawtimber Medium	15.3	85	1-50	
36	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	29.5	102	1-50	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Poor	14.0	85	1-50	needs regen check
38	42110 - Planted Red Pine	Sawtimber Poor	19.2	85	51-80	Stand harvested as part of sale "Compartment 13 Mix 037-07"
39	42110 - Planted Red Pine	Sawtimber Well	64.3	85	141-170	
40	42290 - Natural Mixed Pine	Poletimber Well	30.7	41	1-50	
41	42110 - Planted Red Pine	Poletimber Medium	20.1	85	51-80	Stand harvested as part of sale " Nest Tree Pine 033-07"
42	42140 - Planted Mixed Pine	Sawtimber Well	93.2	85	111-140	mixed stand
43	42290 - Natural Mixed Pine	Sawtimber Well	24.0	86	111-140	
44	4319 - Mixed Upland Forest	Sapling Well	23.1	41	1-50	3% of WP was recorded as 2" Saplings, Mifi would not allow the two lines of WP recorded
45	42110 - Planted Red Pine	Sawtimber Well	40.9	85	81-110	
46	42200 - Natural White Pine	Sawtimber Medium	15.6	101	51-80	cut as part of "Seven Mile Airport 045-91"
47	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	89.3	85	81-110	
48	42110 - Planted Red Pine	Sawtimber Poor	67.4	85	1-50	Stand harvested as part of "Big Corner JP 044-97"
49	42110 - Planted Red Pine	Sawtimber Poor	18.4	85	1-50	need regen check
50	4123 - Red Oak	Poletimber Well	31.5	82	81-110	
51	4319 - Mixed Upland Forest	Poletimber Medium	8.3	68	51-80	birch dyeing
52	42200 - Natural White Pine	Sawtimber Well	30.4	101	51-80	Stand harvested as part of sale " Nest Tree Pine 033-07"
53	42110 - Planted Red Pine	Sawtimber Well	28.2	85	111-140	
54	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	13.9	41	1-50	mature birch and beech dying
55	42200 - Natural White Pine	Sawtimber Well	32.3	101	141-170	



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Newberry Mgt. Unit

## Report 8 – Forested Stands

Compartment: 13  
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>56</b>	42210 - Natural Red Pine	Sawtimber Well	23.2	101	81-110	Stand harvested as part of "Seven Mile Airport 045-91" leaving all RP, WP, and Oak.
<b>57</b>	42110 - Planted Red Pine	Sawtimber Medium	12.5	85	51-80	regen check done 500 trees / ac of mixed wp, oak ,and jp in 2015 not acceptable stocking level, manage over story
<b>58</b>	42200 - Natural White Pine	Sawtimber Poor	16.7	101	1-50	Stand harvested as part of sale "047-79A" and again as part of "045-91" advanced under story present
<b>59</b>	4311 - Pine, Aspen Mix	Sapling Poor	6.4	5	1-50	stand harvested as part of sale "Compartment 13 Mix 037-07"
<b>60</b>	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Medium	40.5	85	51-80	
<b>61</b>	42140 - Planted Mixed Pine	Sawtimber Medium	28.9	85	1-50	
<b>62</b>	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	13.0	21	Immature	stand burnt in 1991 regeneration looks good
<b>64</b>	4319 - Mixed Upland Forest	Sapling Well	46.7	41	1-50	



Stand Cover Type

Acres

Managed  
Site

General Comments:

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#Type!

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