



# Compartment Review Presentation

## Newberry Forest Management Unit

Compartment 76

Entry Year 2015

Acreage: 4,394

County Chippewa

Management Area: Sage Truck Trail

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**Revision Date:** 09/04/2013

**Stand Examiner:** Jason Tokar

**Legal Description:**

T45N R7W Sections 19, 21, 27-35

**Identified Planning Goals:**

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

**Soil and topography:**

The compartment is located on the southern edge of the Hendrie River Deeryard and is comprised of mainly lowland areas with upland areas in the western portion of the compartment. The topography in the upland areas is level to rolling. Soils typical of the upland areas include Rousseau sand, Alcona sand, Rousseau-Alcona complex, Ontonagon, and Pickford. The forest cover types on the upland soils are primarily northern hardwoods and aspen. The lowland, swamp areas are level and are comprised of wet soils such as Carbondale, Lupton, and Tawas Mucks. Forest cover types on these lowland soils include cedar, swamp conifers, and some lowland aspen.

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

The compartment boundaries encompass all or part of 11 different sections. The majority of the land within the compartment is under State ownership. Several large blocks of private ownership are located within the compartment. The compartment is bounded by State land to the east and south, while a mix of State owned lands and additional large private holding border the compartment to the north and west. The remote location combined with the lowland soil types and lowland features have prohibited any substantial development in the area. Land use in the compartment entails many forms of outdoor recreation, primarily hunting. The large privately owned parcels within the compartment are used as large hunt clubs.

**Unique Natural Features:**

MNFI lists no features within this compartment. Potential for Red Shouldered Hawk, goshawk, wood turtle, yellow rail, American bittern, and several critical marsh/bog plants. Several branches of the Hendrie River and the McLeod Ditch flow through the compartment. The Hendrie River Deeryard encompasses a majority of the compartment.

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

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

A large portion of the compartment lies within a deer wintering complex (deer yard area). Any management should incorporate considerations to assist in perpetuating the vital characteristics of a productive deer wintering complex. The wildlife habitat lends itself to high use for various types of hunting in the compartment. Management decisions should promote and enhance characteristics such as age class diversity and species diversity to sustain these recreational opportunities in the compartment. Any management activity near the various small creeks and drainages which flow into the McLeod Ditch and Hendrie River should follow BMP guidelines.

**Watershed and Fisheries Considerations:**

Fisheries Values: Good

Fisheries Concerns: Various tributaries of the South Branch Hendrie River flow through this compartment. These tributaries have groundwater input in specific areas and may serve as refuges for native brook trout. Protection of these "marginal" trout streams is critical now when temperatures are warming and a premium is set on timber management. In stands 22, 52, and 68 a buffer should be maintained along the tributary as a continuation from the buffer set in Compartment 134. This buffer will roughly be 200 feet from the tributary. In stands 15, 16, and 19 the buffer should follow the topo line on the south ridge along the tributary. Specifics were discussed with the stand examiner.

## **Wildlife Habitat Considerations:**

This compartment is situated in the Seney Sand Lake Plain ecological sub-subsection. It is also located in the historic Hendrie deer yard and supports high numbers of deer during difficult winter periods. The compartment is comprised of extensive lowland brush areas along streams and large blocks of cedar or swamp conifer in the eastern portions. Western portions of the compartment are more diverse with aspen and upland hardwoods predominating. Upland hardwoods and aspen appear to have increased from presettlement times.

Conifer canopies should not be disturbed in this compartment to maintain the wildlife values of those stands. No hemlock or cedar should be harvested to retain thermal cover within stands. In addition, harvests should occur during winter months and tops should not be chipped to provide a food source for wintering deer. 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. Wildlife featured species in this management area include American marten, black bear, ruffed grouse, white-tailed deer and snowshoe hare.

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

Surface sediments consist of peat and muck and minor lacustrine (lake) clay and silt. There is insufficient data to determine the glacial drift thickness. The Silurian Cabothead Shale and Manitoulin Dolomite and the Ordovician Queenston Shale and Big Hill Dolomite subcrop below the glacial drift. The Manitoulin and Big Hill could be used for stone. A gravel pit is located in two miles to the north, but potential appears limited. There is no economic oil and gas production in the UP.

## **Vehicle Access:**

This compartment is located southeast of Newberry in the southwestern corner of Chippewa County. Access to the compartment is via the Dinkey Line Road through Mackinac County to the south of the compartment. From the Dinkey Line, the Steele's Camp Road and the Kneeland Bigelow Road, along with a network of two track roads, provide access to the western portion of the compartment. There is limited access from M-28 to the northwestern portion of the compartment across a large private parcel of land for management purposes only. The eastern half of the compartment is virtually roadless with basically no vehicle access due to the vast complex of lowland cover types.

## **Survey Needs:**

Corner establishment - T45N R07W Section 30 - Center of section, N1/16, NE1/16.

## **Recreational Facilities and Opportunities:**

There are no developed recreational facilities within the compartment. Recreational opportunities would include hunting, fishing, hiking, berry picking, and wildlife viewing.

## **Fire Protection:**

Large fire runs are not likely, because of the swamp conifer and hardwood types. Poor access on the west side, no roads in the eastern lowlands and many drainages will limit suppression abilities with wheeled equipment. The risk of private property would be low because of the generally low intensity and slow moving fires in these fuel types.

## **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**

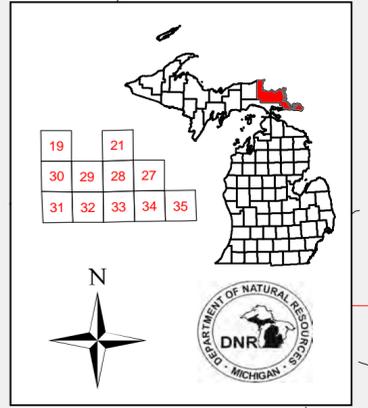
### **The following information is displayed, where pertinent, on the attached compartment maps:**

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

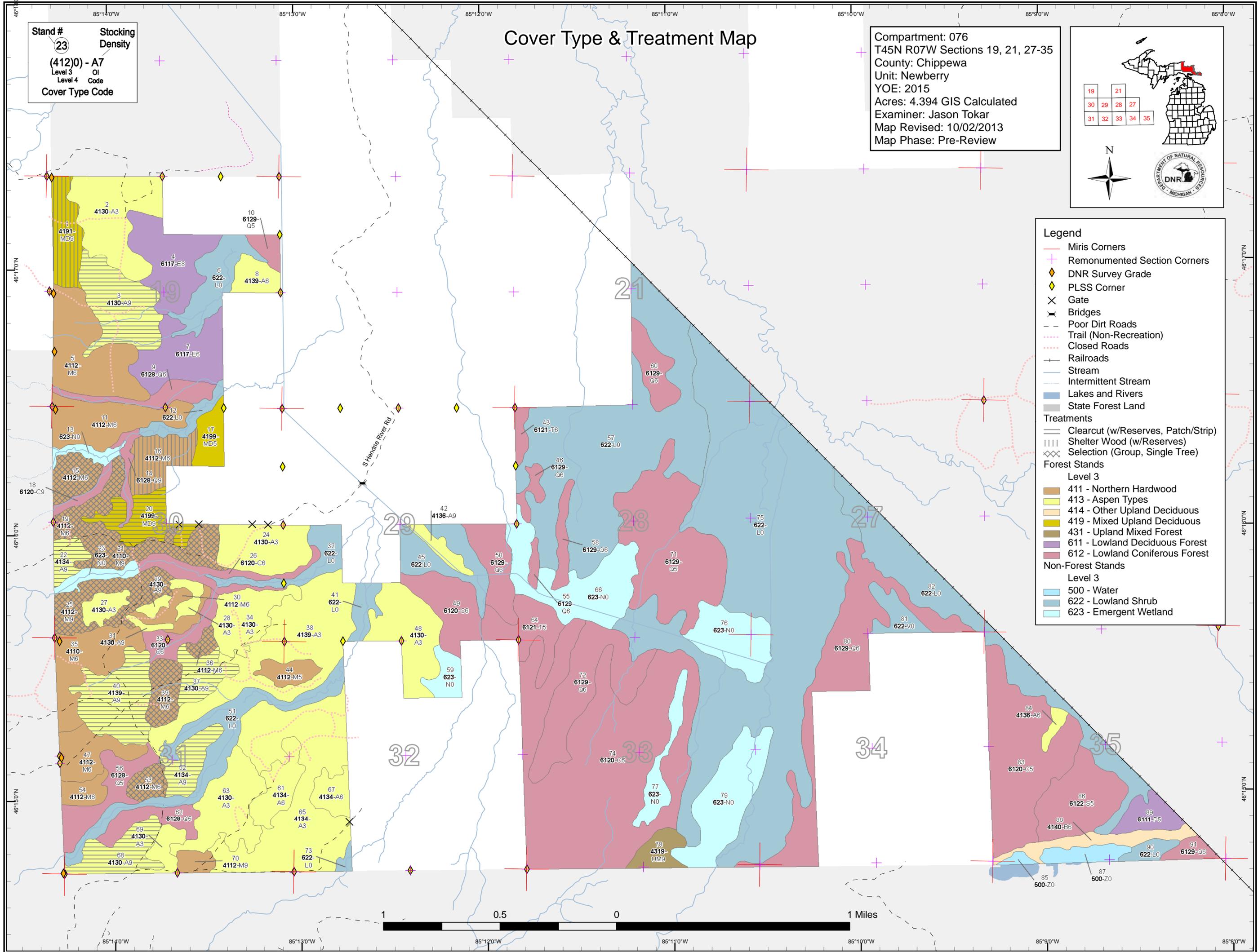
# Cover Type & Treatment Map

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

Compartment: 076  
 T45N R07W Sections 19, 21, 27-35  
 County: Chippewa  
 Unit: Newberry  
 YOE: 2015  
 Acres: 4.394 GIS Calculated  
 Examiner: Jason Tokar  
 Map Revised: 10/02/2013  
 Map Phase: Pre-Review



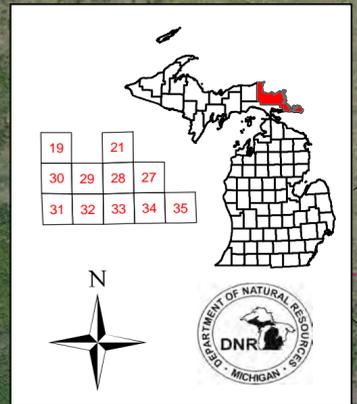
- Legend**
- Miris Corners
  - Remonumented Section Corners
  - DNR Survey Grade
  - PLSS Corner
  - Gate
  - Bridges
  - Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Railroads
  - Stream
  - Intermittent Stream
  - Lakes and Rivers
  - State Forest Land
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - Shelter Wood (w/Reserves)
  - Selection (Group, Single Tree)
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 414 - Other Upland Deciduous
  - 419 - Mixed Upland Deciduous
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3**
- 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



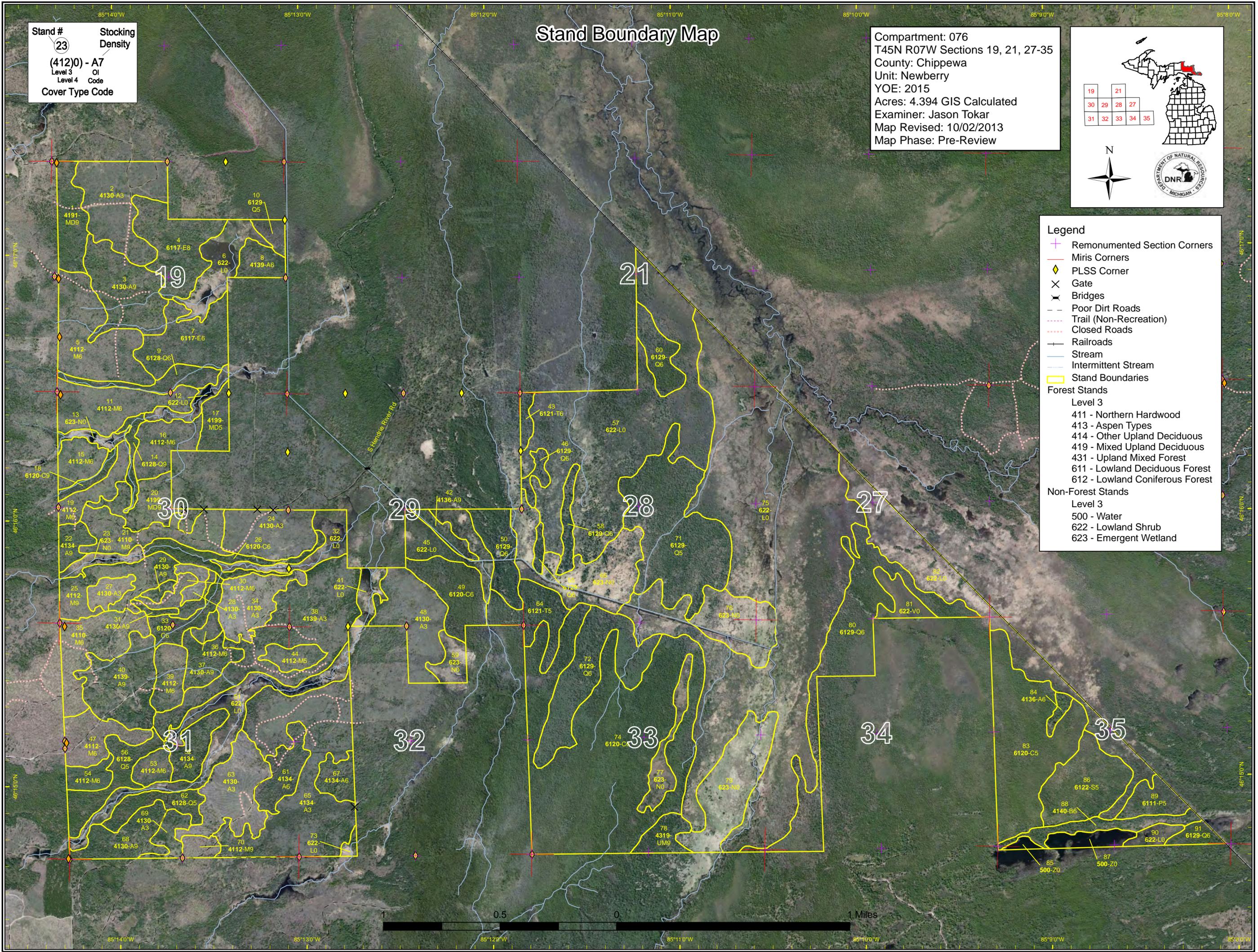
# Stand Boundary Map

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

Compartment: 076  
 T45N R07W Sections 19, 21, 27-35  
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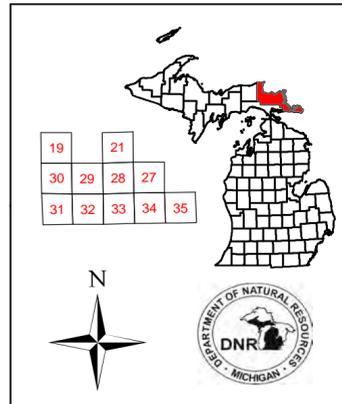
- Legend**
- ✚ Remonumented Section Corners
  - Miris Corners
  - ◆ PLSS Corner
  - ✕ Gate
  - ≡ Bridges
  - - Poor Dirt Roads
  - ⋯ Trail (Non-Recreation)
  - ⋯ Closed Roads
  - Railroads
  - Stream
  - Intermittent Stream
  - ▭ Stand Boundaries
- Forest Stands**
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- Non-Forest Stands**
- Level 3
- 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



# Special Conservation Areas & Site Conditions Map

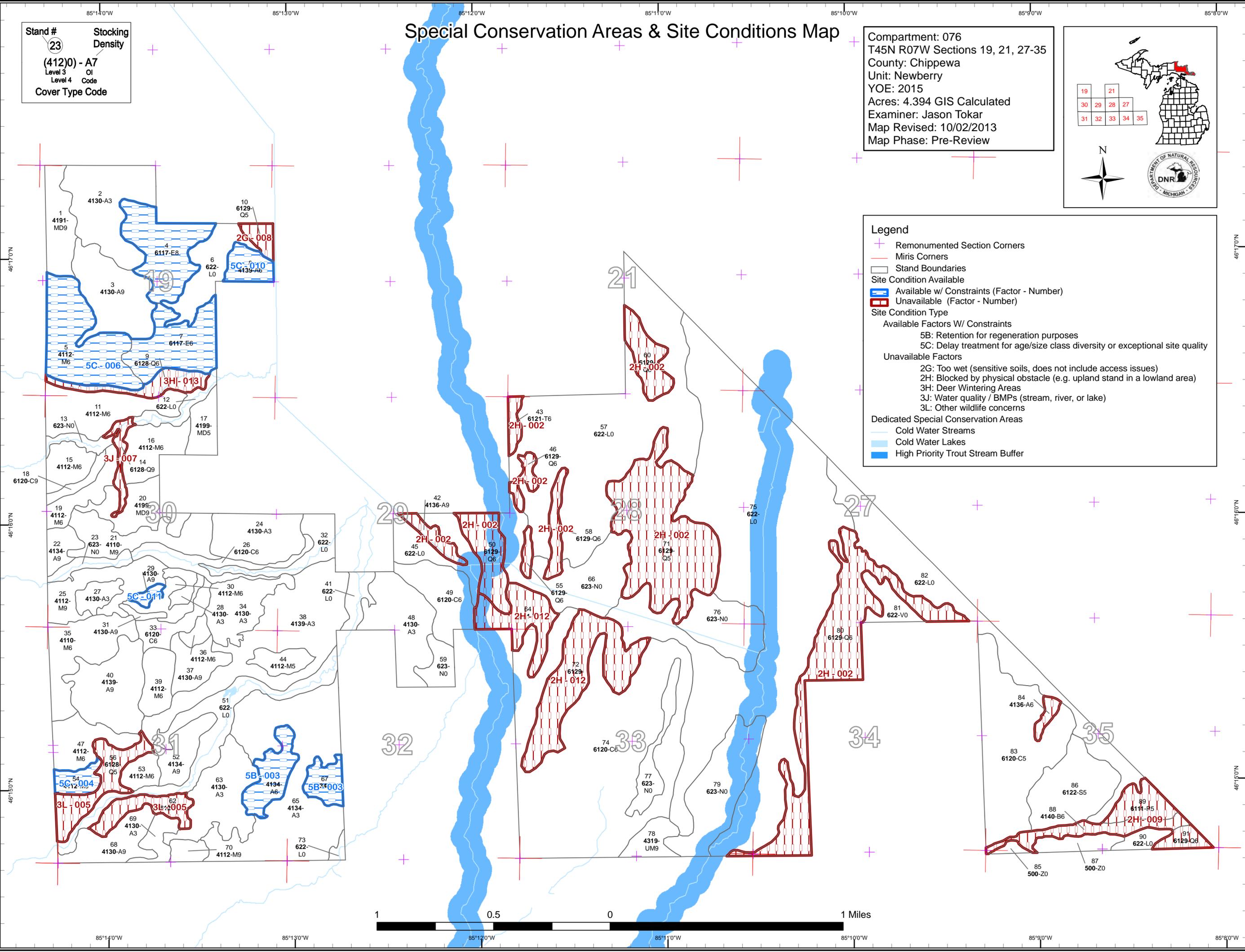
Stand #  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

Compartment: 076  
 T45N R07W Sections 19, 21, 27-35  
 County: Chippewa  
 Unit: Newberry  
 YOE: 2015  
 Acres: 4.394 GIS Calculated  
 Examiner: Jason Tokar  
 Map Revised: 10/02/2013  
 Map Phase: Pre-Review



**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
- 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)
  - 3H: Deer Wintering Areas
  - 3J: Water quality / BMPs (stream, river, or lake)
  - 3L: Other wildlife concerns
- Dedicated Special Conservation Areas
  - Cold Water Streams
  - ▨ Cold Water Lakes
  - ▨ High Priority Trout Stream Buffer



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	122	124	354	0	0	0	116	191	6	0	0	0	0	0	913
Bog	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Cedar	0	0	0	0	0	0	0	0	48	373	0	129	0	0	549
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	22	0	0	0	0	0	22
Lowland Conifers	0	0	0	0	0	0	0	0	473	67	0	0	0	0	541
Lowland Deciduous	0	0	0	0	0	0	0	60	56	0	0	0	0	0	116
Lowland Shrub	1225	0	0	0	0	0	0	0	0	0	0	0	0	0	1225
Lowland Spruce/Fir	0	0	0	0	0	0	0	63	0	0	0	0	0	0	63
Marsh	262	0	0	0	0	0	0	0	0	0	0	0	0	0	262
Mixed Upland Deciduous	0	0	0	0	0	0	0	55	33	0	0	0	0	0	88
Northern Hardwood	0	0	0	0	0	0	0	0	489	0	0	0	0	0	489
Paper Birch	0	0	0	0	0	0	0	0	25	0	0	0	0	0	25
Tamarack	0	0	0	0	0	0	0	39	0	8	0	0	0	0	47
Upland Mixed Forest	0	0	0	0	0	0	0	0	18	0	0	0	0	0	18
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
<b>Total</b>	<b>1645</b>	<b>124</b>	<b>354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>116</b>	<b>408</b>	<b>1170</b>	<b>448</b>	<b>0</b>	<b>129</b>	<b>0</b>	<b>0</b>	<b>4393</b>



## Report 2 – Proposed Treatment Summaries

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

**Compartment 076**  
**Total Compartment Acres: 4,394**

### Acres by Treatment Type

Commercial Harvest - 509    Tree Planting - 0    Other - 0  
 Habitat Cut - 0    Opening Maintenance - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	225	0	0	0	0	0	225
Mixed Upland Deciduous	36	0	0	33	0	0	69
Northern Hardwood	0	181	0	34	0	0	215
<b>Total</b>	<b>261</b>	<b>181</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>509</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
1	42076001-Cut	33.2	4191 - Mixed Upland Deciduous with Conifer	High Density Log	80	111-140	Harvest	Shelter Wood with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<u>Prescription:</u> Shelterwood with reserves. Retain all hemlock, cedar and some large diameter white pine. Cut all red maple, aspen, spruce. Retain a component of large yellow birch, and some large aspen along the east side in the red line. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Regeneration check per work instructions. Acceptable regen of aspen, maple, yellow birch, spruce, hemlock and white pine. <u>Proposed Start Date:</u> 10/01/2014										
3	42076003-Cut	63.0	4130 - Aspen	High Density Log	63	111-140	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Clearcut with reserves. Patch retention. Retention not to exceed 3% of total stand acreage. Red line trees along north stand line can include some mature aspen. Some patch retention should be located near adjacent young aspen stand. Leave all hemlock and clumps of 3 or more cedar. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Regeneration check per work instructions. Acceptable regen of aspen with maple, balsam, spruce, cherry and some ash and cedar. <u>Proposed Start Date:</u> 10/01/2014										
15	42076015-Cut	21.7	4112 - Maple, Beech, Cherry Association	High Density Pole	85	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<u>Prescription:</u> Selection harvest. Residual BA of 70 sq ft average. In areas of lower quality, reduce BA to 60 sq ft average. Retain a component of the large diameter spruce. Retain all hemlock and scattered mature conifers. Follow topography and stay on high ground when near the drainages. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10. <u>Specs:</u> <u>Other Comments:</u> Proposed start date of December 4, 2013. Add this stand and adjacent prescribed stands to Comp 134 East timber sale. Sale went unsold. Addition of these stands will increase marketability of the sale. <u>Next Steps:</u> Regeneration check per work instructions. <u>Proposed Start Date:</u> 12/04/2013										
16	42076016-Cut	33.8	4112 - Maple, Beech, Cherry Association	High Density Pole	85	111-140	Harvest	Shelter Wood with Reserves	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<u>Prescription:</u> Shelterwood harvest. Residual BA of 60 sq ft average. In areas of lower quality, reduce the BA to 50 sq ft average. Mark aspen to cut and retain a component. Retain all hemlock and all cedar patches of 3 or more trees. Follow topography and stay on high ground when near the drainages. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10. <u>Specs:</u> <u>Other Comments:</u> Proposed start date of December 4, 2013. Add this stand and adjacent prescribed stands to "Comp 134 East" timber sale. Sale went unsold. Addition of these stands will increase marketability of the sale. <u>Next Steps:</u> Regeneration check per work instructions. Acceptable regen of maple with a component of aspen. <u>Proposed Start Date:</u> 12/04/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	42076019-Cut	22.2	4112 - Maple, Beech, Cherry Association	High Density Pole	85	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Selection harvest. Residual BA of 70 sq ft average. In areas of lower quality, reduce BA to 60 sq ft average. Retain a component of the large diameter spruce. Mark aspen to cut, retain a component. Retain all hemlock and scattered mature conifers. Follow topography and stay on high ground when near the drainages. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10.</p> <p><u>Specs:</u></p> <p><u>Other</u> Proposed start date of December 4, 2013. Add this stand and adjacent prescribed stands to "Comp 134 East" timber sale. Sale went unsold.</p> <p><u>Comments:</u> Addition of these stands will increase marketability of the sale.</p> <p><u>Next</u> Regeneration check per work instructions. Acceptable regen of maple with a component of aspen.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 12/04/2013</p>										
20	42076020-Cut	36.1	4199 - Other Mixed Upland Deciduous	High Density Log	75	111-140	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves. Patch retention, not to exceed 5% of stand acreage. Concentrate retention patches in areas of overstory conifers.</p> <p><u>Specs:</u> Retain all hemlock, cedar and any elm if present in stand. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10.</p> <p><u>Other</u> Proposed start date of December 4, 2013. Add this stand and adjacent prescribed stands to "Comp 134 East" timber sale. Sale went unsold.</p> <p><u>Comments:</u> Addition of these stands will increase marketability of the sale.</p> <p><u>Next</u> Regeneration check per work instructions. Acceptable regen of aspen, maple, ash, basswood, spruce and balsam.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 12/04/2013</p>										
21	42076021-Cut	49.5	4110 - Sugar Maple Association	High Density Log	85	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Selection harvest. Residual BA of 80-90 on average. Lower residual in areas of lower quality (east and west ends of stand). Mark large aspen to cut, retain a component (adjacent stand to have all aspen removed). Reduce ash component to 10 sq ft of residual BA. Create regeneration gaps in areas of advanced regeneration. Remove all merchantable balsam. Retain all hemlock and scattered mature conifers. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10. Access is from the south. Access road is in decent condition, crossing needs work.</p> <p><u>Specs:</u></p> <p><u>Other</u> Proposed start date of December 4, 2013. Add this stand and adjacent prescribed stands to "Comp 134 East" timber sale. Sale went unsold.</p> <p><u>Comments:</u> Addition of these stands will increase marketability of the sale.</p> <p><u>Next</u> Regeneration check per work instructions. Acceptable regen of maple and a mix of deciduous species, including aspen, basswood and ash.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 12/04/2013</p>										
22	42076022-Cut	13.9	4134 - Aspen, Spruce/Fir	High Density Log	71	111-140	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves. Retention in patches. Leave all hemlock (large pocket along the west stand line). Maintain a 200 foot buffer along the creek south of the stand. Retain all hemlock and all cedar patches of 3 or more trees. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10.</p> <p><u>Specs:</u></p> <p><u>Other</u> Proposed start date of December 4, 2013. Add this stand and adjacent prescribed stands to "Comp 134 East" timber sale. Sale went unsold.</p> <p><u>Comments:</u> Addition of these stands will increase marketability of the sale.</p> <p><u>Next</u> Regeneration check per work instructions. Acceptable regen of aspen with maple, balsam, spruce and some hemlock.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 12/04/2013</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
25	42076025-Cut	44.5	4112 - Maple, Beech, Cherry Association	High Density Log	85	141-170	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<u>Prescription</u> Selection harvest. Residual BA of 70-80 sq ft. Retain a component of all species present. Mark large aspen to cut and retain some. Residual <u>Specs:</u> BA should be lower in areas of lower quality. Remove all merchantable balsam. Retain all hemlock. Winter harvest to provide food for wintering deer. No chipping of tops and limbs as per VMS cutting specification 2.2.10. <u>Other</u> <u>Comments:</u> <u>Next</u> Regeneration check per work instructions. Acceptable regen of maple, cherry and a minor component of aspen. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
36	42076036-Cut	6.7	4112 - Maple, Beech, Cherry Association	High Density Pole	85	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<u>Prescription</u> Selection harvest. Residual BA of 70 sq ft. Concentrate on 8-10 inch sugar maple for crop trees. Remove large diameter/overmature maple. <u>Specs:</u> Remove as much of the small balsam as possible with the harvest to promote better maple regeneration. Maintain a component of large aspen. Retain all hemlock. <u>Other</u> <u>Comments:</u> <u>Next</u> Regeneration check per work instructions. Acceptable regen of sugar maple with red maple and some aspen. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
37	42076037-Cut	25.0	4130 - Aspen	High Density Log	78	111-140	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with reserves. Patch retention of 3% of total stand acreage. Retain all hemlock. Leave 1 mature spruce or fir per 5 acres. Mature <u>Specs:</u> aspen and spruce to be in the red line/stand boundary. <u>Other</u> <u>Comments:</u> <u>Next</u> Regeneration check per work instructions. Acceptable regen of aspen with maple and balsam. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
39	42076039-Cut	23.4	4112 - Maple, Beech, Cherry Association	High Density Pole	85	141-170	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<u>Prescription</u> Selection harvest. Residual BA of 70-80 sq ft. Remove any trees with maple borer damage or cankers. Crop trees to concentrate on high <u>Specs:</u> quality hard maple poles and small sawlogs. Open the canopy to release areas of advanced regeneration. mark aspen to cut, retain a component. Retain any good quality black cherry poles where present. Retain all hemlock and most of the mature conifers. <u>Other</u> <u>Comments:</u> <u>Next</u> Regeneration check per work instructions. Acceptable regen of sugar maple, black cherry and red maple. <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
40	42076040-Cut	61.4	4139 - Aspen, Mixed Deciduous	High Density Log	71	111-140	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with reserves. Retention in patches, not to exceed 5% of total stand acreage. Patches to be located in diverse areas. Leave all white										
<u>Specs:</u> pine and hemlock. Advanced regeneration of maple, cherry, balsam and aspen will be retained in current open areas.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Regeneration check per work instructions. Acceptable regen of aspen with maple, black cherry, white pine, spruce and balsam										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
52	42076052-Cut	25.9	4134 - Aspen, Spruce/Fir	High Density Log	72	111-140	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with reserves. Retention to be incorporated into buffers along the drainages/creeks where needed. Retention not to exceed 3% of total										
<u>Specs:</u> stand area. Retain all hemlock. Leave some aspen and spruce in the red line.sale boundary. Maintain a 200 foot buffer along the south branch of the creek/drainage.										
<u>Other</u> Access to the stand is from the north.										
<u>Comments:</u>										
<u>Next</u> Regeneration check per work instructions. Acceptable regen of aspen with maple, cherry, balsam and spruce.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
53	42076053-Cut	13.5	4112 - Maple, Beech, Cherry Association	High Density Pole	85	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<u>Prescription</u> Selection harvest. Residual BA of 70 sq ft average. Remove trees with cankers and borer damage. Favor good quality sugar maple poles as										
<u>Specs:</u> residual where possible. Retain all hemlock and some scattered spruce.										
<u>Other</u> Access to the stand is from the north.										
<u>Comments:</u>										
<u>Next</u> Regeneration check per work instructions. Acceptable regen of red and sugar maple.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
68	42076068-Cut	35.9	4130 - Aspen	High Density Log	65	141-170	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with reserves. Retention not to exceed 3% of total stand acreage. Retention to be along the lowland corridor and in the SE corner of										
<u>Specs:</u> the stand near the adjacent young aspen. Retain all hemlock. Leave 1 mature spruce or fir per 5 acres. Mature aspen and spruce to be in the red line/stand boundary. Maintain a 200 foot buffer along the south branch of the creek/drainage. Stand crosses into Mackinac County. Recommend holding stand until 2016 YOE and harvest with adjacent stand in Soo Mgmt Unit (C132).										
<u>Other</u> The stand crosses over into C132 of the Soo Mgmt Unit. Treat the stand all at one time, as one sale. Proposed start date of 10/01/2015 (2016										
<u>Comments:</u> YOE). Agreed to by Karen Rodock (Soo Unit Manager). If the Soo Unit decides not to treat their portion of the stand at their 2016 YOE Compartment Review, this stand will be added back into the 2015 POW for Newberry Mgmt Unit.										
<u>Next</u> Regeneration check per work instructions. Acceptable regen of aspen with maple, white birch, balsam.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
<b>Total Treatment Acreage Proposed: 509.4</b>										

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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  
Jason Tokar : Examiner

Compartment 076  
Year of Entry 2015

### Availability for Management

Total Acres	Acres Available	Acres Not Available	Dominant Site Conditions	Dominant Site Conditions							
				No	5C	5B	3L	3J	3H	2H	2G
913	896	17	Aspen	829	22	46				17	
549	549		Cedar	549							
22		22	Lowland Aspen/Balsam Poplar							22	
541		541	Lowland Conifers				58	10	22	441	9
116	116		Lowland Deciduous		116						
63	63		Lowland Spruce/Fir	63							
88	88		Mixed Upland Deciduous	88							
489	489		Northern Hardwood	398	91						
25		25	Paper Birch							25	
47		47	Tamarack							47	
18	18		Upland Mixed Forest	18							
2,870	2,219	651	Total Forested Acres	1,944	229	46	58	10	22	551	9
	77%	23%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	375				
<b>Comments:</b>							
003	Available	5B: Retention for regeneration purposes	46	No Limiting Factor			
<b>Comments:</b> Stand was cut through in 1991. Hold to allow for the advanced regeneration to establish.							

## Report 5 – Site Conditions

Newberry Mgt. Unit  
Jason Tokar : Examiner

Compartment 076  
Year of Entry 2015

004	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14		
<b>Comments:</b>					
005	Not Available	3L: Other wildlife concerns	58		
<b>Comments:</b> Stand consists of large component of cedar. Stands are located in close proximity to deer wintering area.					
006	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	193		
<b>Comments:</b> Treatment of stands 4, 5, and 7 delayed for 10 years per request of wildlife division for age class diversity and providing future food source for wintering deer (deer wintering complex). Intent is to harvest these stands in 2025 YOY.					
007	Not Available	3J: Water quality / BMPs (stream, river, or lake)	10	3H: Deer Wintering Areas	
<b>Comments:</b>					
008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	9		
<b>Comments:</b> Stand is mostly flooded timber right now.					
009	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	57		
<b>Comments:</b>					

## Report 5 – Site Conditions

Newberry Mgt. Unit  
Jason Tokar : Examiner

Compartment 076  
Year of Entry 2015

010	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	17	2B: Unknown if access through adjacent landowner(s) is possible
<b>Comments:</b>				
011	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	
<b>Comments:</b>				
012	<b>Not Available</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	119	3H: Deer Wintering Areas
<b>Comments:</b>				
013	<b>Not Available</b>	<b>3H: Deer Wintering Areas</b>	22	
<b>Comments:</b> High component of cedar in the stand - deer wintering complex				



**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 – 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 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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4191 - Mixed Upland Deciduous with Conifer	High Density Log	33.2	80	111-140	Red maple with aspen, hemlock, spruce, cedar and yellow birch. Component of white pine and white birch as well. Understory thick with balsam, maple and some spruce. Lower quality red maple. North portion of the stand has more aspen mixed in. Aspen is showing mortality and decline.
2	4130 - Aspen	High Density Sapling	73.7	17		Stand harvested in 1995-1996 as Grandmother Aspen sale. Nice aspen regeneration with some balsam poplar mixed in where it's lower ground.
3	4130 - Aspen	High Density Log	63.0	63	111-140	Mature, tall quaking aspen with red maple, balsam, spruce. Scattered cedar and black ash near a few lower areas in the stand. Poor quality in the red maple. Patches of older, larger diameter aspen.
4	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	59.6	79	81-110	Lower quality, overmature aspen with red maple, cedar, yellow birch and white pine. Canopy is open in many areas with advanced regeneration of maple, aspen, birch, balsam. Areas of blowdown. Wetter ground. Stand has a two aged appearance to it because of the amount of advanced regeneration.
5	4112 - Maple, Beech, Cherry Association	High Density Pole	77.6	80	111-140	Mixed stand of red maple and sugar maple. Large diameter red maple with smaller diameter red maple and sugar maple. Large diameter red maple is overmature, showing decline. Some quality in the 8 inch red and sugar maple. Lots of maple borer damage. A fair number of trees still in the 4-6 inch diameter classes. Pockets of sapling size maple. Runs of nicer timber and higher BA's and also many areas of lower BA, lower quality and smaller diameters. A component of swamp white oak found in the NW portion of the stand.
7	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	56.2	80	81-110	
8	4139 - Aspen, Mixed Deciduous	High Density Pole	17.3	63		
9	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	22.0	95	81-110	
10	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	9.2	94		
11	4112 - Maple, Beech, Cherry Association	High Density Pole	55.4	85	81-110	Mixed stand of red maple and sugar maple. Large diameter red maple with smaller diameter red maple and sugar maple. Large diameter red maple is overmature, showing decline. Some quality in the 8 inch red and sugar maple. Lots of maple borer damage. A fair number of trees still in the 4-6 inch diameter classes. Runs of nicer timber and higher BA's and also many areas of lower BA, lower quality and smaller diameters.
14	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	10.2	91	111-140	Drainage running through the stand. Lowland conifers of spruce, cedar yellow birch and maple. Some black ash.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	4112 - Maple, Beech, Cherry Association	High Density Pole	21.7	85	111-140	Pole size red maple with sugar maple and some scattered large diameter white spruce. More conifer along the drainages bordering the stand. Best quality is in the 8-10 inch maple poles.
16	4112 - Maple, Beech, Cherry Association	High Density Pole	33.8	85	111-140	Small diameter (pole) red maple stand with hard maple. Some large aspen and white spruce. Some decent quality in the red maple poles. Areas of small diameters where the stand is slightly lower ground.
17	4199 - Other Mixed Upland Deciduous	Medium Density Pole	19.2	78	51-80	
18	6120 - Lowland Cedar	High Density Log	8.2	95		
19	4112 - Maple, Beech, Cherry Association	High Density Pole	22.2	85	111-140	Pole size red maple with sugar maple and some scattered large diameter white spruce. More conifer along the drainages bordering the stand. Best quality is in the 8-10 inch maple poles.
20	4199 - Other Mixed Upland Deciduous	High Density Log	36.1	75	111-140	Mixed hardwood and aspen stand. Large diameter mature aspen, large diameter red maple and sugar maple, white ash. Hardwoods in the stand is lower quality than adjacent hardwoods stand to the south. High component of aspen in many areas. Much of the aspen is showing decline. Good basswood component. Scattered white birch. Balsam and white spruce.
21	4110 - Sugar Maple Association	High Density Log	49.5	85	111-140	Nice stand of sugar maple, large diameters throughout. East end of stand decreases in quality a bit and more ash mixed in. Northwest portion of the stand has a good component of red maple with large diameter white ash and some large aspen. Good quality hard maple through the main portion of the stand. Treat as one large stand. Balsam component mainly in the subcanopy.
22	4134 - Aspen, Spruce/Fir	High Density Log	13.9	71	111-140	Large diameter, mature aspen with low quality red maple. White spruce, balsam. Pocket of hemlock along the western stand line.
24	4130 - Aspen	High Density Sapling	49.9	15		Stand was harvested in 1998 as sale #019-95. Good aspen regeneration with a component of maple, balsam and spruce. Primarily aspen, 20-30 ft tall. Some balsam poplar mixed in. Some scattered residual white spruce, red maple and aspen from the sale.
25	4112 - Maple, Beech, Cherry Association	High Density Log	44.5	85	141-170	Mixed quality stand of sugar maple, red maple, black cherry, and some large diameter aspen and white spruce. Occasional yellow birch. Good component of balsam in understory in patches. Better quality (HM) concentrated in southern portion of the stand and more red maple and slightly smaller diameters in northern portion.
26	6120 - Lowland Cedar	High Density Pole	27.3	87		
27	4130 - Aspen	High Density Sapling	12.8	3		Stand harvested in 2010 as sale #041-05. Nice thick aspen regeneration with red maple, cherry and scattered balsam. Lots of raspberry.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	4130 - Aspen	High Density Sapling	8.6	3		Stand harvested in 2010 as sale #041-05. Nice thick aspen regeneration with red maple, cherry and scattered balsam. Lots of raspberry.
29	4130 - Aspen	High Density Log	4.5	71	111-140	Small stands of large diameter, mature aspen with balsam and maple.
30	4112 - Maple, Beech, Cherry Association	High Density Pole	15.8	81	81-110	Stand thinned in 2008 as sale #040-05.
31	4130 - Aspen	High Density Log	3.7	71	111-140	Small stands of large diameter, mature aspen with balsam and maple.
33	6120 - Lowland Cedar	High Density Pole	20.3	87	81-110	Lowland conifer stand. Primarily cedar. Drainage running through the stand.
34	4130 - Aspen	High Density Sapling	41.3	4		Stand harvested in 2010 as sale #041-05. Good regeneration of aspen, maple, balsam, cherry and white birch.
35	4110 - Sugar Maple Association	High Density Pole	54.4	85	51-80	Stand was thinned in 2008 as sale #040-05. Nice maple and cherry regeneration throughout. Lots of beech regeneration, all with scale. Most of mature beech that was left after the harvest is dead and/or snapped off. Sawtimber size sugar maple with a component of red maple and black cherry.
36	4112 - Maple, Beech, Cherry Association	High Density Pole	6.7	85	111-140	Sugar maple stand with red maple and a few large diameter aspen. Thick balsam understory. Decent quality in most of the maple.
37	4130 - Aspen	High Density Log	25.0	78	111-140	Mature aspen stand. Tall heights. Aspen showing signs of decline and substantial mortality. Lower quality red maple and some sugar maple. Good component of balsam, and some spruce.
38	4139 - Aspen, Mixed Deciduous	High Density Sapling	122.1	22		Stand was harvested in 1991. Stand was actually 3 different stands (different sales?) last inventory but combined into one because of similar age and timber type. Nice aspen regeneration with red maple, balsam poplar (low areas), white birch, balsam, spruce. Wet areas throughout stand. Tall grasses as ground cover. A few areas with some residual overstory.
39	4112 - Maple, Beech, Cherry Association	High Density Pole	23.4	85	141-170	Hard maple with red maple, black cherry and some large diameter aspen. A portion of the stand was thinned as "Rexton hardwoods". Nice hard maple poles and small sawlogs. in northern 2/3 of the stand. Southern areas have more red maple, cherry. Scattered beech is dying out.
40	4139 - Aspen, Mixed Deciduous	High Density Log	61.4	71	111-140	Mature aspen with a good component of maple (red and sugar) and balsam. Most aspen is large diameter with pockets of pole size aspen. Maple in the stand is limby and lower quality. Some open areas in teh stand with thick understory. Thick balsam pockets. Scattered white pine and hemlock.

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## Newberry Mgt. Unit

## Report 8 – Forested Stands

Compartment: 076  
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4136 - Aspen, Mixed Conifer	High Density Log	10.9	72		
6121 - Tamarack	High Density Pole	7.5	92		
4112 - Maple, Beech, Cherry Association	Medium Density Pole	14.9	80		Stand was cut in 1990-1991. This stand consists of the portion of the harvest where residual maple was left. Poor quality overstory of maple, balsam and some aspen. Subcanopy of thick maple, aspen, cherry regeneration.
6129 - Mixed Coniferous Lowland Forest	High Density Pole	8.8	85		
4112 - Maple, Beech, Cherry Association	High Density Pole	32.7	80	51-80	Stand was thinned in 2008 as sale #040-05. Nice maple and cherry regeneration throughout. Pole size red maple with hard maple and cherry.
4130 - Aspen	High Density Sapling	60.1	20		Stand harvested as two sales in 1993. North half was sale #024-92, south half was sale #016-92. Access through private property. Nice aspen with maple, birch, cherry and balsam.
6120 - Lowland Cedar	High Density Pole	42.7	90		
6129 - Mixed Coniferous Lowland Forest	High Density Pole	34.1	88		
4134 - Aspen, Spruce/Fir	High Density Log	25.9	72	111-140	Mature aspen with a few semi open areas. Aspen is showing rot and mortality. Good balsam component. White spruce, black cherry and red maple also present.
4112 - Maple, Beech, Cherry Association	High Density Pole	13.5	85	111-140	Red maple with sugar maple. Mainly a pole size stand. Balsam understory. Good quality in teh 8-10 inche poles. Maple borer damage evident. Some cankers.
4112 - Maple, Beech, Cherry Association	High Density Pole	13.7	85	111-140	Red maple with sugar maple. Mainly a pole size stand. Balsam understory. Good quality in the 8-10 inch poles. Maple borer damage evident. Some cankers.
6129 - Mixed Coniferous Lowland Forest	High Density Pole	4.9	85		
6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	35.3	86	1-50	Semi open lowland cedar with black spruce and yellow birch. Small drainage/creek runs through stand.
6129 - Mixed Coniferous Lowland Forest	High Density Pole	13.7	85		



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	6129 - Mixed Coniferous Lowland Forest	High Density Pole	26.0	92		Isolated stand of black spruce and tamarack in the middle of a large open lowground complex. No access
61	4134 - Aspen, Spruce/Fir	High Density Pole	28.7	78	51-80	Stand is a mixed stand of older, mature aspen, spruce, maple, white birch and balsam with pockets of younger aspen, maple, balsam and cherry. Stand was cut through with surrounding young aspen stand in 1991. This portion was not a clean cut as the surrounding stand was. Patches of mature timber and areas of younger timber, gives the stand a two aged appearance. Younger aspen and maple is 3-4 inches in diameter.
62	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	23.1	86	1-50	Semi open lowland cedar with black spruce and yellow birch. Small drainage/creek runs through stand. Road crossing is impassable.
63	4130 - Aspen	High Density Sapling	59.2	4		Stand was harvested in 2009 as sale #39-05. Regenerating to aspen with a mix of red maple stump sprouts, balsam and some white birch and cherry.
64	6121 - Tamarack	Medium Density Pole	39.2	75		
65	4134 - Aspen, Spruce/Fir	High Density Sapling	158.4	23		Stand harvested from 1988 - 1991. Nice aspen regeneration with a good balsam component, along with red maple, and white birch. Scattered spruce. Stand is beginning to transition from a sapling stand to a small pole stand. Low area runs through the southern 1/3 of the stand. More conifers (balsam and spruce) in the southern portion of the stand.
67	4134 - Aspen, Spruce/Fir	High Density Pole	17.0	78	51-80	Stand is a mixed stand of older, mature aspen, spruce, maple, white birch and balsam with pockets of younger aspen, maple, balsam and cherry. Stand was cut through with surrounding young aspen stand in 1991. This portion was not a clean cut as the surrounding stand was. Patches of mature timber and areas of younger timber, gives the stand a two aged appearance. Younger aspen and maple is 3-4 inches in diameter.
68	4130 - Aspen	High Density Log	35.9	65	141-170	Mature aspen (big tooth and quaking). Large diameter aspen, showing signs of decline, rot and some mortality. Pockets of pole size aspen and white birch. Areas with low quality red maple.
69	4130 - Aspen	High Density Sapling	13.9	22		Stand was harvested in 1991. Nice aspen regeneration. Small opening in southern end. Stand is transitioning from a sapling to a pole size stand.
70	4112 - Maple, Beech, Cherry Association	High Density Log	9.4	86	81-110	Sugar maple stand. Was thinned in 2009 as sale #039-05.
71	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	137.4	85		
72	6129 - Mixed Coniferous Lowland Forest	High Density Pole	79.8	85		

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## Newberry Mgt. Unit

## Report 8 – Forested Stands

Compartment: 076  
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	6120 - Lowland Cedar	High Density Pole	321.8	92		
78	4319 - Mixed Upland Forest	High Density Log	17.8	80		
80	6129 - Mixed Coniferous Lowland Forest	High Density Pole	125.8	85		
83	6120 - Lowland Cedar	Medium Density Pole	128.9	116		
84	4136 - Aspen, Mixed Conifer	High Density Pole	5.9	87		Small inaccessible ridge.
86	6122 - Black Spruce	Medium Density Pole	62.5	77		
88	4140 - Other Upland Deciduous	High Density Pole	25.4	83	111-140	
89	6111 - Lowland Balsam Poplar	Medium Density Pole	21.5	87		
91	6129 - Mixed Coniferous Lowland Forest	High Density Pole	10.2	87	81-110	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
6	6229 - Mixed lowland shrub	40.0	No	Unspecified	
12	6229 - Mixed lowland shrub	13.6	No	Unspecified	
13	6239 - Mixed Emergent Wetland	9.1	No	Unspecified	
23	6239 - Mixed Emergent Wetland	11.7	No	Unspecified	
32	6229 - Mixed lowland shrub	26.7	No	Unspecified	
41	6229 - Mixed lowland shrub	13.9	No	Unspecified	
45	622 - Lowland Shrub	39.5	Unspecified	Unspecified	
51	6229 - Mixed lowland shrub	71.0	No	Unspecified	
57	6229 - Mixed lowland shrub	283.7	No	Unspecified	
59	6239 - Mixed Emergent Wetland	15.4	No	Unspecified	
66	6239 - Mixed Emergent Wetland	79.3	No	Unspecified	
73	6229 - Mixed lowland shrub	3.5	No	Unspecified	
75	6220 - Alder/willow	602.2	No	Unspecified	
76	6239 - Mixed Emergent Wetland	50.1	No	Unspecified	
77	6239 - Mixed Emergent Wetland	24.0	No	Unspecified	
79	6239 - Mixed Emergent Wetland	72.1	No	Unspecified	
81	6225 - Bog	17.5	No	Unspecified	Imagery -- Stand appears to have some possible "patterning" characteristics. Contacted Josh Cohen at MNFI to inform him of this.
82	6220 - Alder/willow	120.6	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
85	50 - Water	3.6	No	Unspecified	
87	50 - Water	15.7	No	Unspecified	
90	6229 - Mixed lowland shrub	9.8	No	Unspecified	