



# Compartment Review Presentation

## Newberry Forest Management Unit

Compartment 29

Entry Year 2015

Acreage: 1,751

County Luce

Management Area: Deer Park

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**Revision Date:** 08/19/2013

**Stand Examiner:** Matt Payment

**Legal Description:**

T49N R10W Sections 2,3,10,11 & 15

**Identified Planning Goals:**

Maintain forest productivity, forest health, species diversification, and age class diversification through silvicultural and natural processes.

**Soil and topography:**

Compartment consists primarily of Deer Park and Rubicon Sand. The dominant forest cover types are jack pine and red pine. The topography throughout the compartment varies from level to rolling. There are receding beach line features in the north half of the compartment. The topography features in this compartment were not identified as Critical Dunes but these features are very similar to areas that have been identified as Critical Dunes in adjacent areas. The guidelines how to treat Critical Dune should be followed.

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

Ownership within the compartment boundaries is primarily State of Michigan. The Nature Conservancy owns 80 acres in Section 2, and there are various small private land owners mixed in amongst the State land. State of Michigan land borders the compartment to the west and south with a mix of small private land owners and State bordering to the east. The northern border of the compartment is Lake Superior. There is no real development in and around the compartment. Most of the private land is used as seasonal property and hunting camps. Land use in the area would entail seasonal recreation on the ORV and snowmobile trails along with camping at the Reed and Green Bridge State Forest Campground just outside the compartment boundary

**Unique Natural Features:**

No Unique Natural Features known.

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

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

The topography and features in the northern portion of this compartment is similar to that of the Critical Dunes identified in adjacent areas. There are also receding beach line topography in the north half of the compartment. All necessary precautions will be taken with any management done in these areas. See the guidelines that have been established on how to treat Critical Dunes. The North Country Pathway, Pine Stump Snowmobile Tail, and Two Heart ORV trail all run through the compartment and steps for visual concerns should be taken when necessary with management activities.

**Watershed and Fisheries Considerations:**

Fisheries values are excellent. This portion of the Two Hearted River supports native brook, as well as seasonal steelhead, coho, chinook, and pink salmon. The Two Hearted River is also designated as a Natural River requiring a 100 foot buffer in any areas where timber management is taking place. Following the guidelines of the Natural River Plan a 100 foot buffer needs to be maintained along the river in all treatment areas.

**Wildlife Habitat Considerations:**

This small compartment is located in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The Two-Hearted River serves as the eastern boundary of this compartment and is bordered by lowland brush providing an excellent wildlife travel corridor. Large jack and red pine stands dominate the compartment with small amounts of upland hardwoods, and aspen located centrally within the compartment. The current day species composition is consistent with records of presettlement conditions.

In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and retaining as much structural

diversity in managed stands as possible will be important to achieving wildlife objectives. Most producing species, suitable nest and den trees, and snags will be retained and enhanced where they occur. Wildlife featured species in this management area include American marten, piping plover, Kirtland's warbler, and red crossbill.

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

Surface sediments consist of lacustrine (lake) clay, silt, sand, and gravel. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below glacial drift. The Jacobsville has been used as a building stone in the past. There are no gravel pits located in the area and potential appears to be limited. There is no economic oil and gas production in the Upper Peninsula.

### **Vehicle Access:**

The compartment is located north of Newberry along the Lake Superior shoreline. Access to the compartment can be gained via the Coast Guard Road, and County Roads 374 and 410. Several two track roads transect the compartment providing access to most upland areas. The Two Heart ORV trail and Pine Stump Snowmobile trail also provide recreational vehicle access through the compartment.

### **Survey Needs:**

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

Recreational opportunities consist of fishing, hunting, hiking, canoeing, camping, wildlife viewing, berry picking, ORV / snowmobile trail riding, and site seeing. The Pine Stump Snowmobile trail, trail #8, runs east and west through the compartment. A portion of the Two Heart ORV trail runs through the compartment, through stands 10, 13 and 43. Do not skid along the trail and keep the trail clear of logging slash and debris. If trail marker trees are to be cut, work with the trails analyst or Rec Spec to place carsonite posts with trail markers. A portion of the North Country National Scenic Trail runs through this compartment. The Reed and Green Bridge State Forest Campground is located just outside the compartment boundary along the Two Hearted River. Canoeing and fishing are popular recreational activities along the Two Hearted River.

### **Fire Protection:**

Large fire runs are possible because of the continuous conifer cover type and conifer age structure. Narrow sandy two tracks will challenge access by wheeled suppression equipment. Private property in and surrounding this compartment could be at risk from wildfires.

### **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**

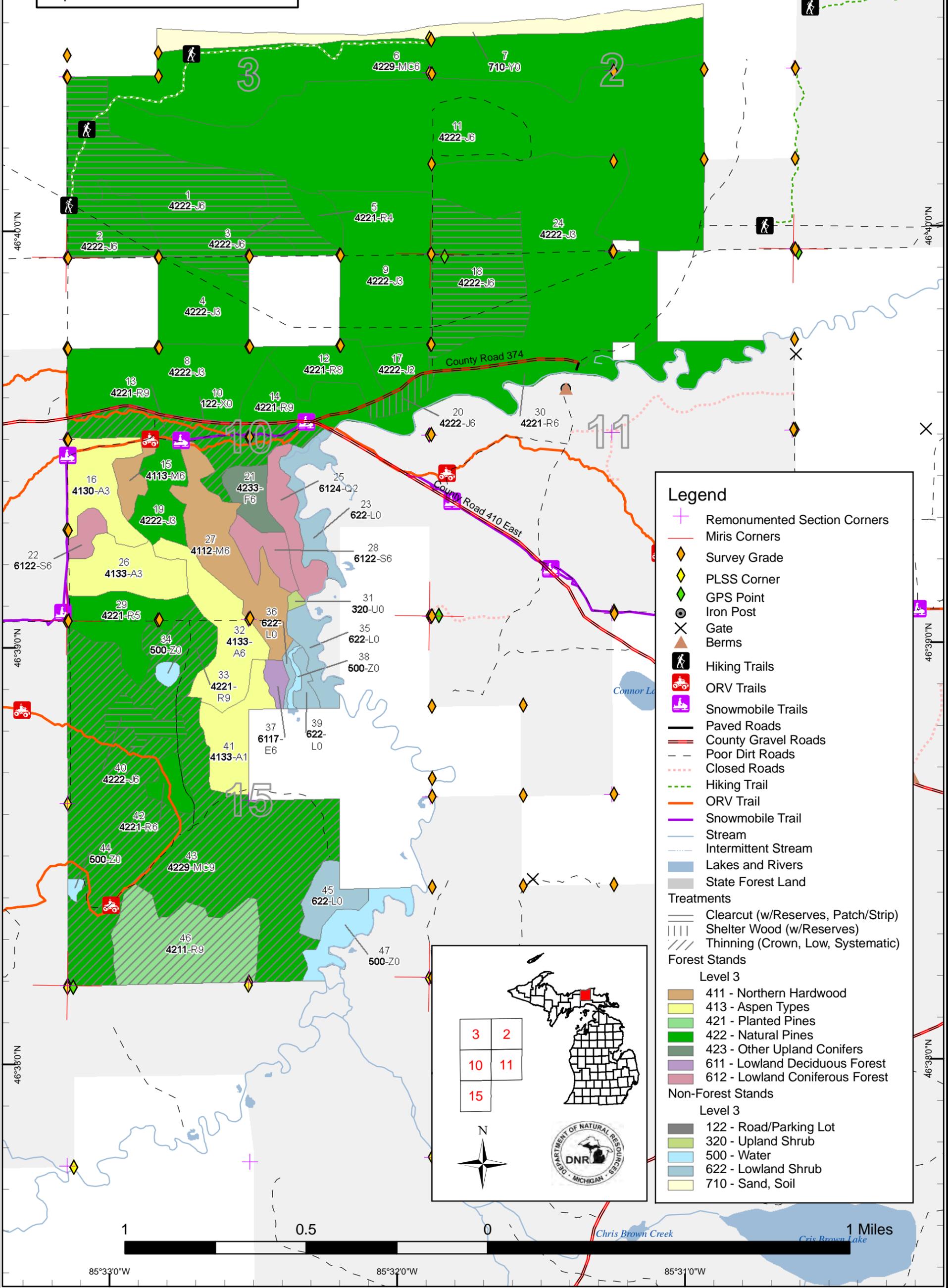
#### **The following information is displayed, where pertinent, on the attached compartment maps:**

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

Compartment: 029  
 T49N R10W Sections 2, 3, 10, 11, 15  
 County: Luce  
 Unit: Newberry  
 YOE: 2015  
 Acres: 1,751 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 10/01/2013  
 Map Phase: Pre-Review

# Cover Type & Treatment Map

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



### Legend

- Remonumented Section Corners
- Miris Corners
- Survey Grade
- PLSS Corner
- GPS Point
- Iron Post
- Gate
- Berms
- Hiking Trails
- ORV Trails
- Snowmobile Trails
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Hiking Trail
- ORV Trail
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

### Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)

### Forest Stands

Level 3

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

### Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand, Soil

3 2  
 10 11  
 15

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 DEPARTMENT OF NATURAL RESOURCES  
 DNR  
 MICHIGAN

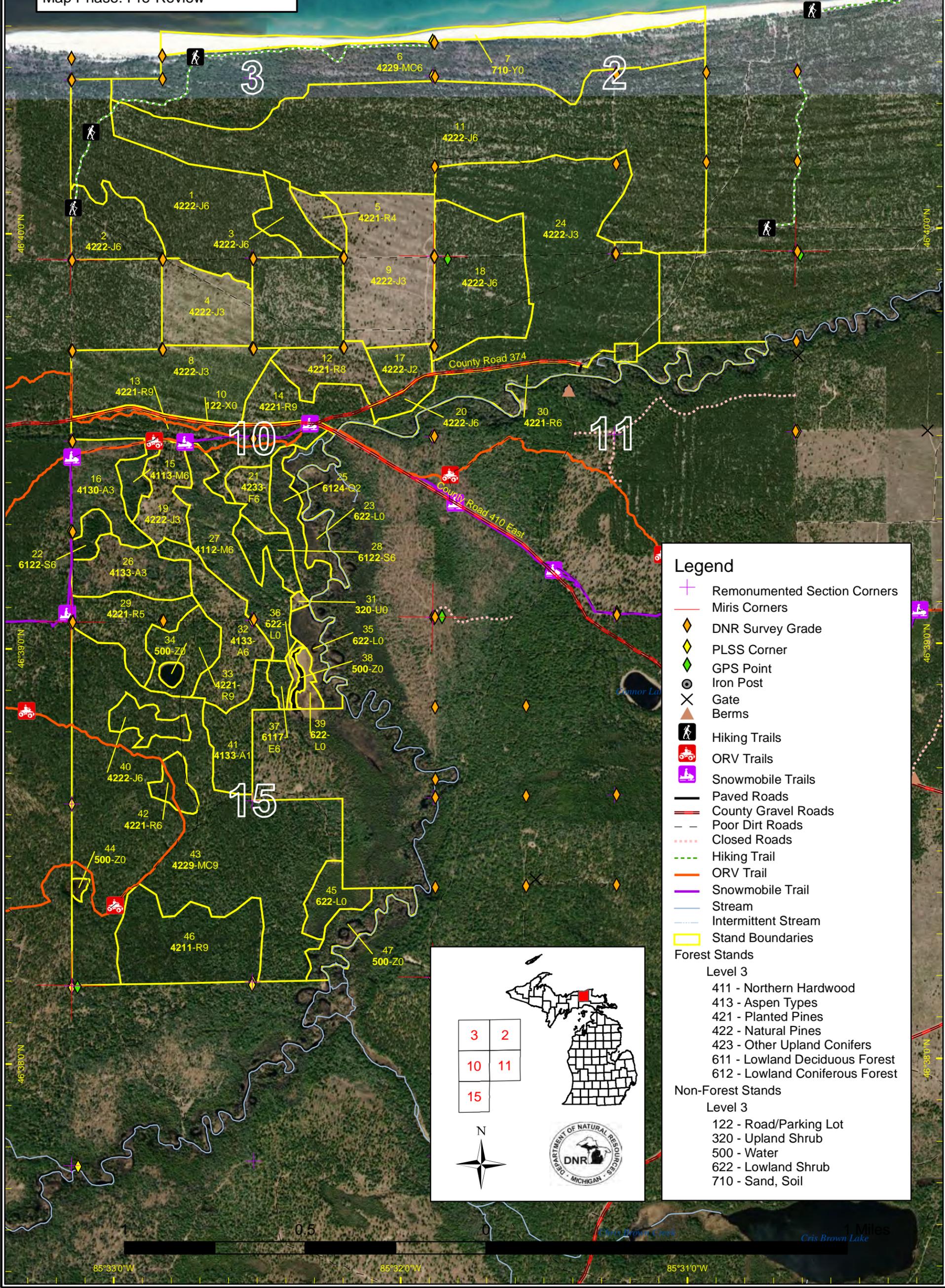


85°33'0"W 85°32'0"W 85°31'0"W

Compartment: 029  
 T49N R10W Sections 2, 3, 10, 11, 15  
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# Stand Boundary Map

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



- ### Legend
- + Remonumented Section Corners
  - Miris Corners
  - ◆ DNR Survey Grade
  - ◆ PLSS Corner
  - ◆ GPS Point
  - ⊙ Iron Post
  - X Gate
  - ▲ Berms
  - 🚶 Hiking Trails
  - 🚙 ORV Trails
  - 🚙 Snowmobile Trails
  - Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
  - - - Closed Roads
  - - - Hiking Trail
  - ORV Trail
  - Snowmobile Trail
  - Stream
  - - - Intermittent Stream
  - Stand Boundaries
- ### Forest Stands
- Level 3
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 421 - Planted Pines
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- ### Non-Forest Stands
- Level 3
- 122 - Road/Parking Lot
  - 320 - Upland Shrub
  - 500 - Water
  - 622 - Lowland Shrub
  - 710 - Sand, Soil

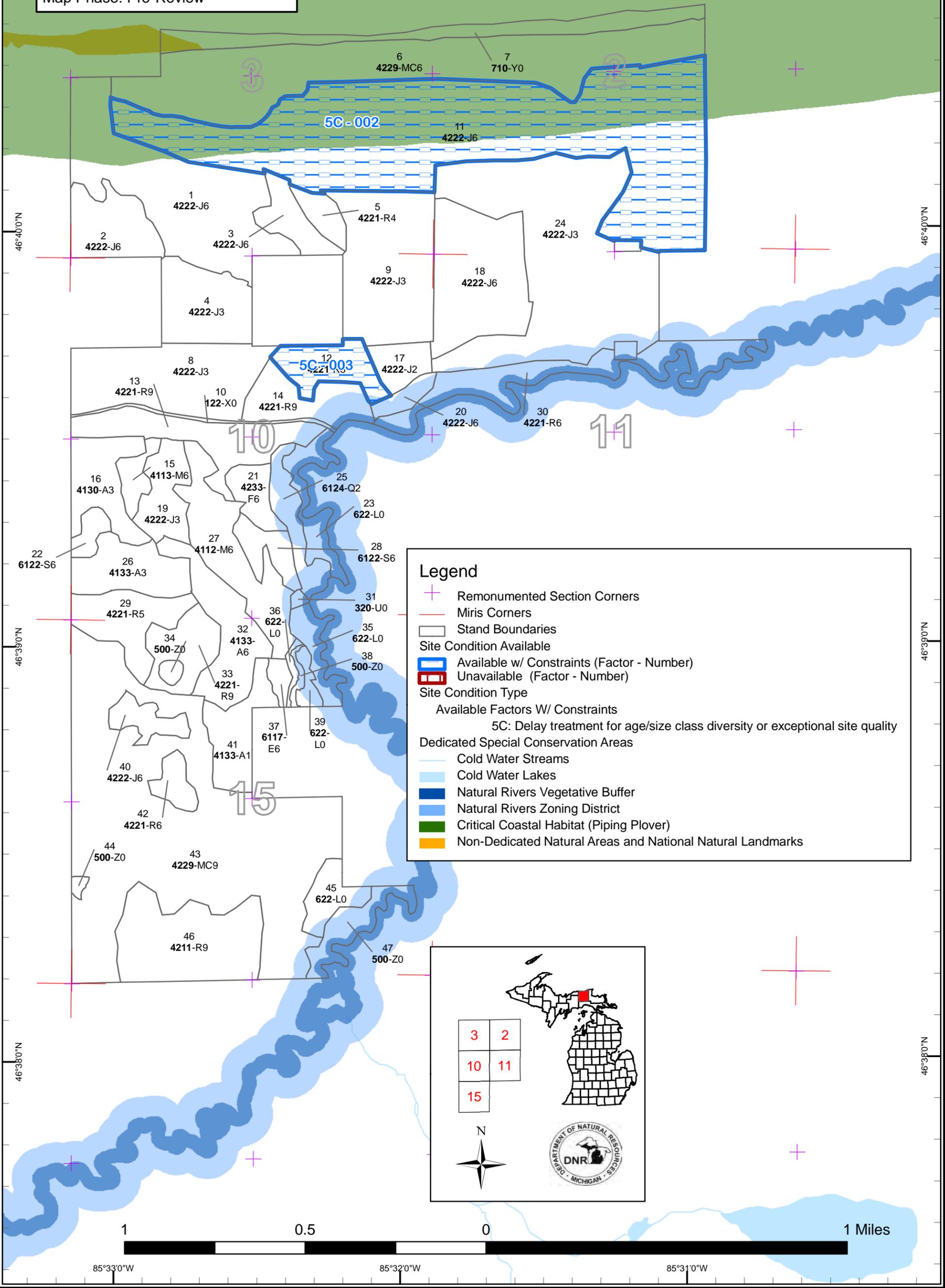
3	2
10	11
15	



Compartment: 029  
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 Map Revised: 10/01/2013  
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# Special Conservation Areas & Site Conditions Map

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



**Legend**

- + Remonumented Section Corners
- + Miris Corners
- Stand Boundaries
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Site Condition Type
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Dedicated Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Critical Coastal Habitat (Piping Plover)
- Non-Dedicated Natural Areas and National Natural Landmarks



85°33'0"W      85°32'0"W      85°31'0"W

46°40'0"N  
46°39'0"N  
46°38'0"N

46°40'0"N  
46°39'0"N  
46°38'0"N

# Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 029 Year of Entry 2015

Matthew Payment : Examiner



	Age Class													Total	
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	84	26	0	0	0	0	0	0	0	0	0	0	0	109
Jack Pine	68	53	73	143	0	0	469	0	6	0	0	0	0	0	813
Lowland Conifers	0	0	0	0	0	0	16	0	0	0	0	0	0	0	16
Lowland Deciduous	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Lowland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Spruce/Fir	0	0	0	0	0	0	12	0	0	0	0	0	0	6	18
Natural Mixed Pines	0	0	0	0	0	0	0	238	0	0	0	0	0	139	377
Northern Hardwood	0	0	0	0	0	0	49	0	0	0	0	0	0	0	49
Red Pine	0	0	0	0	0	0	99	126	21	0	0	0	0	0	246
Sand, Soil	35	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Spruce/Fir	0	12	0	0	0	0	0	0	0	0	0	0	0	0	12
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
<b>Total</b>	<b>176</b>	<b>148</b>	<b>99</b>	<b>143</b>	<b>0</b>	<b>4</b>	<b>646</b>	<b>363</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145</b>	<b>1751</b>



# Report 2 – Proposed Treatment Summaries

Newberry Mgt. Unit  
Year of Entry 2015

Compartment 029  
Total Compartment Acres: 1,751

## Acres by Treatment Type

Commercial Harvest - 562	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
Natural Pines	205	0	0	6	296	0	507
Planted Pines	0	0	0	0	55	0	55
<b>Total</b>	<b>205</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>351</b>	<b>0</b>	<b>562</b>



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	42029001-Cut	93.0	42220 - Natural Jack Pine	High Density Pole	67	111-140	Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal

Prescription Remove all Jack Pine.

Specs:

Other Comments: Stands 1-3 should be harvested together to create a large stand of regenerating jack pine to benefit Kirtland's warbler. Scattered large red pine and white pine (where it exists) should be retained (1 per 5 acres) to provide a seed source for red crossbill and other birds as well as resting sites. Species diversity of the stands should be maximized by retaining paper birch and all red oak found in the stands. Structural diversity for mid-canopy nesting species would be enhanced by retaining any understory spruce that might exist in the stands. Retention should be along long ridges and appear to mimic natural fire skips.

The North Country Trail runs through this stand.

Next Steps: Scarify the site after harvest.

Proposed Start Date: 10/01/2014

2	42029002-Cut	26.3	42220 - Natural Jack Pine	High Density Pole	67	141-170	Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Remove all Jack Pine. Leave all paper birch and red oak.

Specs:

Other Comments: Stands 1-3 should be harvested together to create a large stand of regenerating jack pine to benefit Kirtland's warbler. Scattered large red pine and white pine (where it exists) should be retained (1 per 5 acres) to provide a seed source for red crossbill and other birds as well as resting sites. Species diversity of the stands should be maximized by retaining paper birch and all red oak found in the stands. Structural diversity for mid-canopy nesting species would be enhanced by retaining any understory spruce that might exist in the stands. Retention should be along long ridges and appear to mimic natural fire skips.

The North Country Trail runs through this stand.

Next Steps: Scarify the site after harvest.

Proposed Start Date: 10/01/2014

3	42029003-Cut	14.8	42220 - Natural Jack Pine	High Density Pole	67	141-170	Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Remove all Jack Pine.

Specs:

Other Comments: Stands 1-3 should be harvested together to create a large stand of regenerating jack pine to benefit Kirtland's warbler. Scattered large red pine and white pine (where it exists) should be retained (1 per 5 acres) to provide a seed source for red crossbill and other birds as well as resting sites. Species diversity of the stands should be maximized by retaining paper birch and all red oak found in the stands. Structural diversity for mid-canopy nesting species would be enhanced by retaining any understory spruce that might exist in the stands. Retention should be along long ridges and appear to mimic natural fire skips.

Next Steps: Scarify site after harvest.

Proposed Start Date: 10/01/2014

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
13 42029013-Cut	37.7	42210 - Natural Red Pine	High Density Log	73	141-170	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Cmpt. Review Proposal

Prescription Remove all Jack Pine. Thin stand to 80-100 BA. Leave component of larger red and white pine in the canopy. Leave all paper birch, red oak, and some white spruce.

Other Snowmobile trail runs through the stand.  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2014

18 42029018-Cut	60.1	42220 - Natural Jack Pine	High Density Pole	68		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Remove all Jack Pine. Leave all paper birch, red oak, white pine, and white spruce. Leave 1 red pine per 5 acres.

Other  
Comments:

Next Scarify site after harvest.  
Steps:

Proposed  
Start Date: 10/01/2014

20 42029020-Cut	6.3	42220 - Natural Jack Pine	High Density Pole	80	81-110	Harvest	Shelter Wood with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Remove all Jack Pine. Leave all red pine, white pine, red oak, and some understory white spruce where it occurs.

Other Stand is in the Two Hearted River Zone follow plan accordingly.  
Comments:

Next Monitor for Jack Pine regeneration.  
Steps:

Proposed  
Start Date: 10/01/2014

33 42029033-Cut	20.3	42210 - Natural Red Pine	High Density Log	72	111-140	Harvest	Crown Thinning	4221 - Natural Red Pine	Cmpt. Review Proposal
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Prescription Thin Red and White Pine to 100 BA. Leave 1 large aspen / 5 ac. Leave some paper birch and white spruce and all red oak.

Other Leave some large diameter white pine for nest trees.  
Comments: Small lake within stand. Buffer accordingly and avoid the steep hills surrounding the lake.

Next  
Steps:

Proposed  
Start Date: 10/01/2014



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
40	42029040-Cut	10.6	42220 - Natural Jack Pine	High Density Pole	64	171-200	Harvest	Clearcut with Reserves	4221 - Natural Red Pine	Cmpt. Review Proposal

Prescription Remove all Jack Pine and Aspen. Remove a component of Red Pine. Leave all red oak, paper birch, and some spruce. Leave 1 red pine / 5 ac.  
Specs:

Other ORV trail runs through this stand.  
Comments:

Next Scarify site after harvest.  
Steps:

Proposed  
Start Date: 10/01/2014

43	42029043-Cut	237.7	42290 - Natural Mixed Pine	High Density Log	75	141-170	Harvest	Crown Thinning	4221 - Natural Red Pine	Cmpt. Review Proposal
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Prescription Thin stand to 90-120 BA. Remove a component of all species present. Leave all Hemlock, paper birch, and red oak. Leave a large diameter of  
Specs: all species present.

Other Thin around hemlock to encourage regeneration if possible.  
Comments:

Portion of the stand falls within the Two Hearted River Zone, follow the Natural River Plan accordingly.

Next  
Steps:

Proposed  
Start Date: 10/01/2014

46	42029046-Cut	54.8	42110 - Planted Red Pine	High Density Log	64	111-140	Harvest	Crown Thinning	4221 - Natural Red Pine	Cmpt. Review Proposal
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Prescription Remove all Jack Pine. Thin red and white pine 70-100 BA. Leave 1 aspen / 5 ac. Leave all hemlock, paper birch, and red oak.  
Specs:

Other Portion of the stand falls within the Two Hearted River Zone, follow the Natural River Plan accordingly.  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2014

**Total Treatment  
Acreage Proposed: 561.7**



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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!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment**  
**Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Newberry Mgt. Unit  
Matt Payment : Examiner

Compartment 029  
Year of Entry 2015

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No		5C
	Available	Not Available				
109	109		Aspen	109		
813	813		Jack Pine	548	265	
16	16		Lowland Conifers	16		
4	4		Lowland Deciduous	4		
18	18		Lowland Spruce/Fir	18		
377	377		Natural Mixed Pines	377		
49	49		Northern Hardwood	49		
246	246		Red Pine	225	21	
12	12		Upland Spruce/Fir	12		
1,644	1,644		Total Forested Acres	1,359	285	
	100%		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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	265				
<b>Comments:</b>							
003	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21				
<b>Comments:</b>							



### 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.

<b>SCA Name</b>	<b>SCA Category</b>	<b>Detail Type</b>	<b>Recommendation</b>	<b>Acres</b>
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**Comments**

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## Report 7 – DEDICATED CONSERVATION AREA DETAILS

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42220 - Natural Jack Pine	High Density Pole	93.0	67	111-140	Thick jack pine with large scattered red pine throughout the stand.
2	42220 - Natural Jack Pine	High Density Pole	26.3	67	141-170	Large jack pine with scattered red pine.
3	42220 - Natural Jack Pine	High Density Pole	14.8	67	141-170	Jack pine with mixed larger red pine.
4	42220 - Natural Jack Pine	High Density Sapling	33.2	16		Stand was cut in 97', young jack pine with large red pine scattered within stand.
5	42210 - Natural Red Pine	Low Density Pole	8.5	65	81-110	
6	42290 - Natural Mixed Pine	High Density Pole	139.1	Uneven Age	111-140	
8	42220 - Natural Jack Pine	High Density Sapling	61.5	21	81-110	Good regeneration coming up, few large red pine mixed within. Also there were to small patched of trees in the stand that were combined into stand 8 rather than stand 13. These were kept as retention within stand 8 from the previous cutting.
9	42220 - Natural Jack Pine	High Density Sapling	68.3	5		Looks though the stand has been cut in last 8 years it has good regeneration of Jack pine coming up. Samll amounts of red pine and white pine.
11	42220 - Natural Jack Pine	High Density Pole	264.6	60	171-200	Large natural jack pine stand that was just acquired by the state. Very few red and white pine within the stand.
12	42210 - Natural Red Pine	Medium Density Log	20.8	89	111-140	Red pine looks underburned and all jack pine has been removed.
13	42210 - Natural Red Pine	High Density Log	37.7	73	141-170	Large mixed rp white pine and jack pine with red maple and paper birch scattered through the stand.
14	42210 - Natural Red Pine	High Density Log	24.5	77	111-140	Large red pine in the stand with some large white pine as well.
15	4113 - R.Maple, Conifer	High Density Pole	8.0	67	81-110	Stand has many smaller 5-8" trees that have defects in them. The stand is slightly thin for the covertype.
16	4130 - Aspen	High Density Sapling	25.7	24		Stand is mainly aspen with balsam fir and paper birch coming in. There are a few large scattered red pine and white pine in the stand.
17	42220 - Natural Jack Pine	Medium Density	11.5	21		young jack pine with large scattered red pine.
18	42220 - Natural Jack Pine	High Density Pole	60.1	68		



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	42220 - Natural Jack Pine	High Density Sapling	20.0	16		Stand was cut in 95', jack pine coming back in with a mix of deciduous species.
20	42220 - Natural Jack Pine	High Density Pole	6.3	80	81-110	Large jack pine avg 5-6 sticks along two heart river zone. few red pine and white pine throughout stand.
21	42330 - Upland Fir	High Density Pole	11.5	16		Stand has steep ridges make logging very difficult. Stand has heavy balsam fir and spruce component with red pine sparsely scattered throughout.
22	6122 - Black Spruce	High Density Pole	6.1	Uneven Age		wet with bog in middle of stand.
24	42220 - Natural Jack Pine	High Density Sapling	142.8	31	171-200	
25	6124 - Lowland Spruce-Fir	Medium Density	16.0	69		
26	4133 - Aspen, Mixed Pine	High Density Sapling	26.8	16		A young aspen stand mixed with large red and white pine.
27	4112 - Maple, Beech, Cherry Association	High Density Pole	41.5	60	51-80	
28	6122 - Black Spruce	High Density Pole	12.1	65		Stand has steep ridges making access difficult. Lowlands at time of inventory were flooded. A spruce - fir component dominates stand.
29	42210 - Natural Red Pine	Medium Density Pole	27.5	60	81-110	Stand was cut in 97', red pine poles with white pine mixed throughout.
30	42210 - Natural Red Pine	High Density Pole	43.2	70	111-140	Two hearted river zone, mature red and jack pine, with decent red oak regeneration.
32	4133 - Aspen, Mixed Pine	High Density Pole	33.9	16		Aspen mixed with white and red pine along with balsam fir and white spruce. Small red maple scattered throughout.
33	42210 - Natural Red Pine	High Density Log	20.3	72	111-140	Large red pine mixed with white pine and scattered aspen.
37	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	4.0	54		Two hearted river zone. Stand is very wet.
40	42220 - Natural Jack Pine	High Density Pole	10.6	64	171-200	Leave red oak and paper birch, cut jack pine and aspen, remove some red pine, scarify
41	4133 - Aspen, Mixed Pine	Low Density Sapling	22.9	13	81-110	Good aspen regeneration with scattered large red pine.

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Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 029  
Year of Entry: 2015



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	42210 - Natural Red Pine	High Density Pole	8.3	67	111-140	Pole size red pine with jack pine throughout.
43	42290 - Natural Mixed Pine	High Density Log	237.7	75	141-170	Large white and red pine with mature aspen.
46	42110 - Planted Red Pine	High Density Log	54.8	64	111-140	Natural red pine with white and jack pine scattered throughout the stand. Also has some large spruce mixed throughout.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
7	710 - Sand, Soil	35.5	Unspecified	Unspecified	
10	122 - Road/Parking Lot	3.8	Unspecified	Unspecified	
23	622 - Lowland Shrub	15.2	Unspecified	Unspecified	
31	320 - Upland Shrub	1.1	Unspecified	Unspecified	
34	50 - Water	2.4	Unspecified	Unspecified	
35	622 - Lowland Shrub	11.3	Unspecified	Unspecified	
36	622 - Lowland Shrub	1.9	Unspecified	Unspecified	
38	50 - Water	1.8	Unspecified	Unspecified	
39	622 - Lowland Shrub	4.3	Unspecified	Unspecified	
44	50 - Water	1.3	Unspecified	Unspecified	
45	622 - Lowland Shrub	12.9	Unspecified	Unspecified	Stand consists mostly of small tag alder and stunted black spruce with leatherleaf.
47	50 - Water	15.7	Unspecified	Unspecified	