



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 1

Entry Year 2015

Acreage: 2,687

County Luce

Management Area: Deer Park

Revision Date: 08/23/2013

Stand Examiner: Kristen Matson

Legal Description:

T49N R12W Sections 4, 5, 6, 8 & 9; T50N R12W Sections 31 & 32

Identified Planning Goals:

Recreation, timber, and wildlife are the main uses of this area. The goal is to manage for all of these simultaneously and to provide, enhance and perpetuate their uses.

Soil and topography:

Compartment is mostly Deer Park Sand and the forested cover type is predominately pine. Much of the topography throughout the compartment is rolling to steep and has been identified as a Critical Dune Area. Guidelines have been established on how to operate on this topography.

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

The compartment consists of contiguous state ownership, as well as most of the land surrounding it. There is a private subdivision to the northeast of the compartment along the lakeshore. The area is managed for timber production and an assortment of recreational opportunities.

Unique Natural Features:

The Lake Superior shoreline and the rolling topography of the landscape offer interesting natural features and should be considered as unique. MNFI lists rare and threatened plants and animals in the area, and states the potential of other rare and threatened plants and animals.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The topography throughout this compartment is rolling to steep and has been identified as a Critical Dune Area HCVA. Guidelines have been established on how to operate on this topography. In addition, the shoreline has been designated as Critical Coastal Habitat HCVA for piping plover. The southeast part of the compartment is designated as the Blind Sucker Flooding State Wildlife Area SCA.

Watershed and Fisheries Considerations:

Fisheries Values: Moderate

Fisheries Concerns: This compartment contains Randolph Lake, Props Lake, and the upper reaches of the Dead Sucker River. Randolph and Props Lakes are unmanaged waters and have little to offer the angling public. The fisheries here are more than likely yellow perch and bullhead fisheries that winter-kill frequently. The Dead Sucker River flows into the Blind Sucker Flooding and serves as a nursery area for young of year and juvenile northern pike, yellow perch, and suckers. Clear-cut adjacent to Randolph Lake needs to maintain a 100 foot setback where appropriate in reference to the ordinary high water mark (OHWM). No treatments are planned in the southern portion of the compartment were the Dead Sucker River and a series of lakes, including Props Lake are located, so Fisheries has no concerns at this time for those waterbodies.

Wildlife Habitat Considerations:

This compartment lies along the shoreline of Lake Superior and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment is largely comprised of coniferous forests dominated by natural jack or red pine with scattered oak and aspen in the southern portions of the compartment. The current vegetation is consistent with presettlement records for this compartment.

In a predominantly pine forest, maintaining a variety of age and size classes and retaining as much structural diversity as possible in managed stands will be important to achieving wildlife objectives. Mast 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 and peat and muck. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville has been used as a building stone in the past. The nearest gravel pit is located five miles to the southwest and potential appears to be limited. There is no economic oil and gas production in the UP.

Vehicle Access:

Access to the compartment can be gained by County Road 407 (Grand Marais Road). This road is maintained by the Luce County Road Commission. The road is plowed by the Alger County Road Commission in the winter from the west as far as the privately owned subdivision along the north side of the compartment. There are several two track roads (approximately 6 miles) that receive minimal to no maintenance. These roads are typically very sandy and may have portions that are difficult to pass without 4-wheel drive.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

The only developed recreation facility within this compartment is the North Country National Scenic Trail.

Recreational opportunities consist of fishing, hunting, hiking, wildlife viewing, berry picking, snowmobiling and site seeing. There are two state forest campgrounds, Blind Sucker #1 and Lake Superior Campground, located approximately 2 miles to the east. Snowmobile trail #8 is located just south of the SW corner of the compartment and follows CR 410 to the Southeast.

Fire Protection:

Large fire runs are possible with the continuous pine stands of various ages. There is a good network of trail roads, but being narrow and sandy may require a lot of work to make suitable fire lines and be challenging for equipment operation. Superior Dunes Association may be at risk, but have been involved with firewise program and have made some changes and improvements to be somewhat defensible.

Additional Compartment Information:

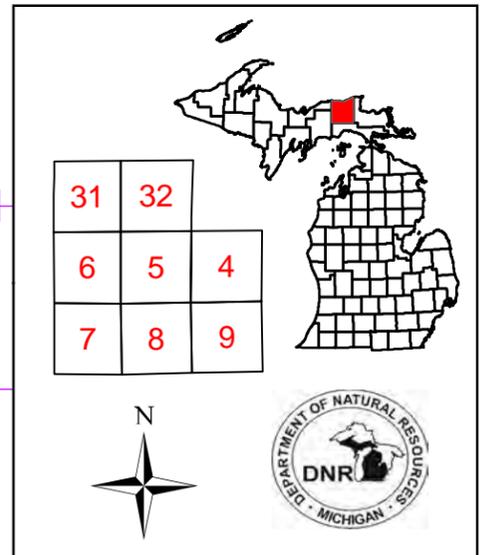
The following reports from the Inventory are attached:

- 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



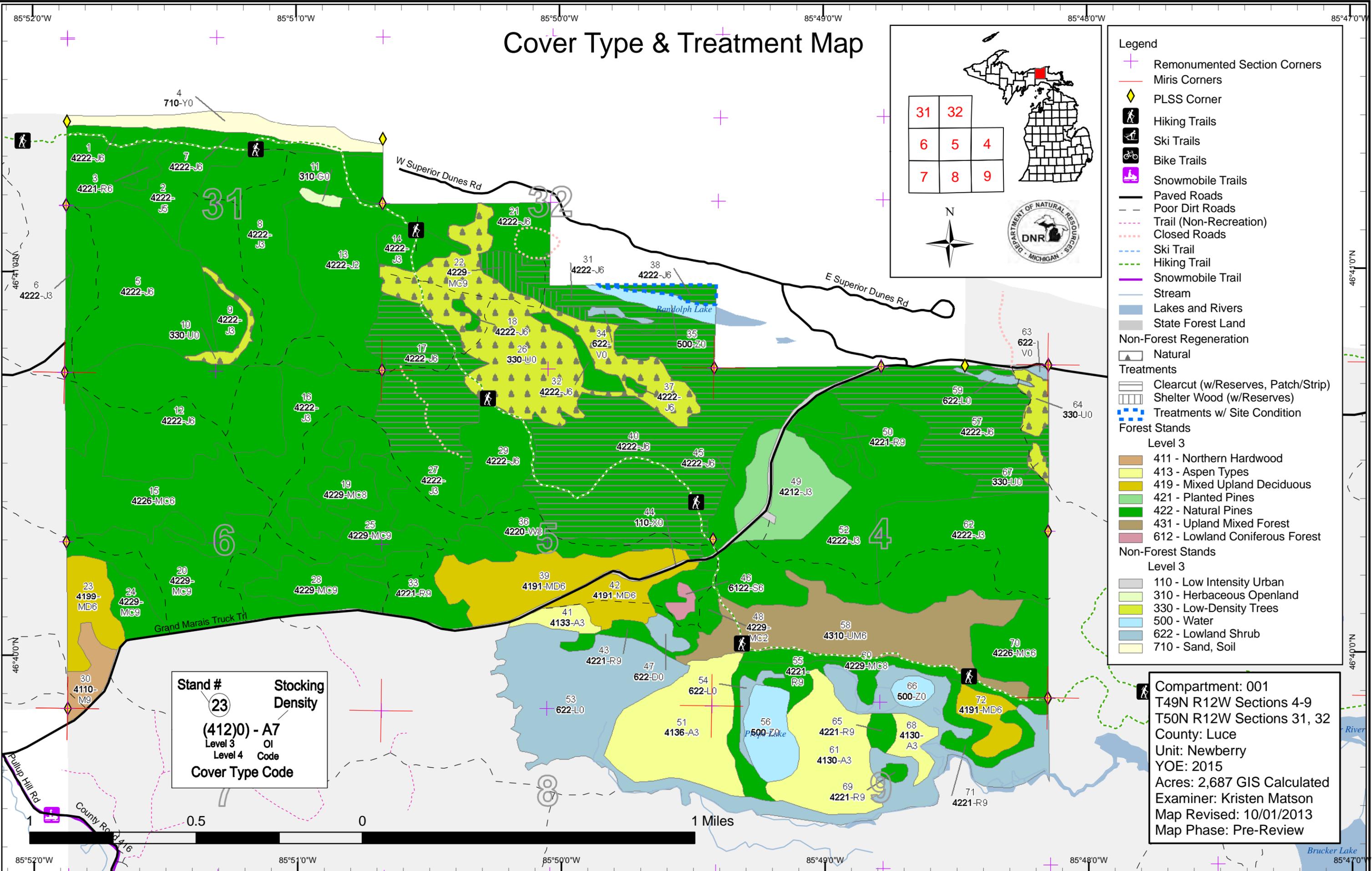
- Legend**
- ✚ Remonumented Section Corners
 - Miris Corners
 - ◆ PLSS Corner
 - 🚶 Hiking Trails
 - 🛷 Ski Trails
 - 🚲 Bike Trails
 - 🚙 Snowmobile Trails
 - Paved Roads
 - - - Poor Dirt Roads
 - · - · - Trail (Non-Recreation)
 - · · · · Closed Roads
 - · - · - Ski Trail
 - · - · - Hiking Trail
 - Snowmobile Trail
 - Stream
 - Lakes and Rivers
 - State Forest Land
 - Non-Forest Regeneration**
 - ▭ Natural
 - Treatments**
 - ▭ Clearcut (w/Reserves, Patch/Strip)
 - ▭ Shelter Wood (w/Reserves)
 - ▭ Treatments w/ Site Condition
 - Forest Stands**
 - Level 3**
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands**
 - Level 3**
 - 110 - Low Intensity Urban
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 710 - Sand, Soil

Stand #
23

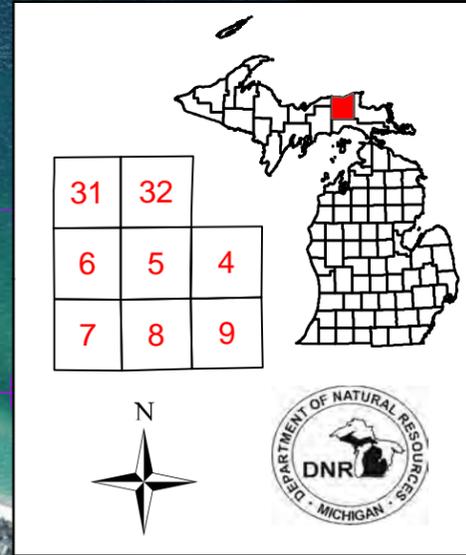
Stocking Density
(412)0 - A7
Level 3 OI
Level 4 Code

Cover Type Code

Compartment: 001
T49N R12W Sections 4-9
T50N R12W Sections 31, 32
County: Luce
Unit: Newberry
YOE: 2015
Acres: 2,687 GIS Calculated
Examiner: Kristen Matson
Map Revised: 10/01/2013
Map Phase: Pre-Review



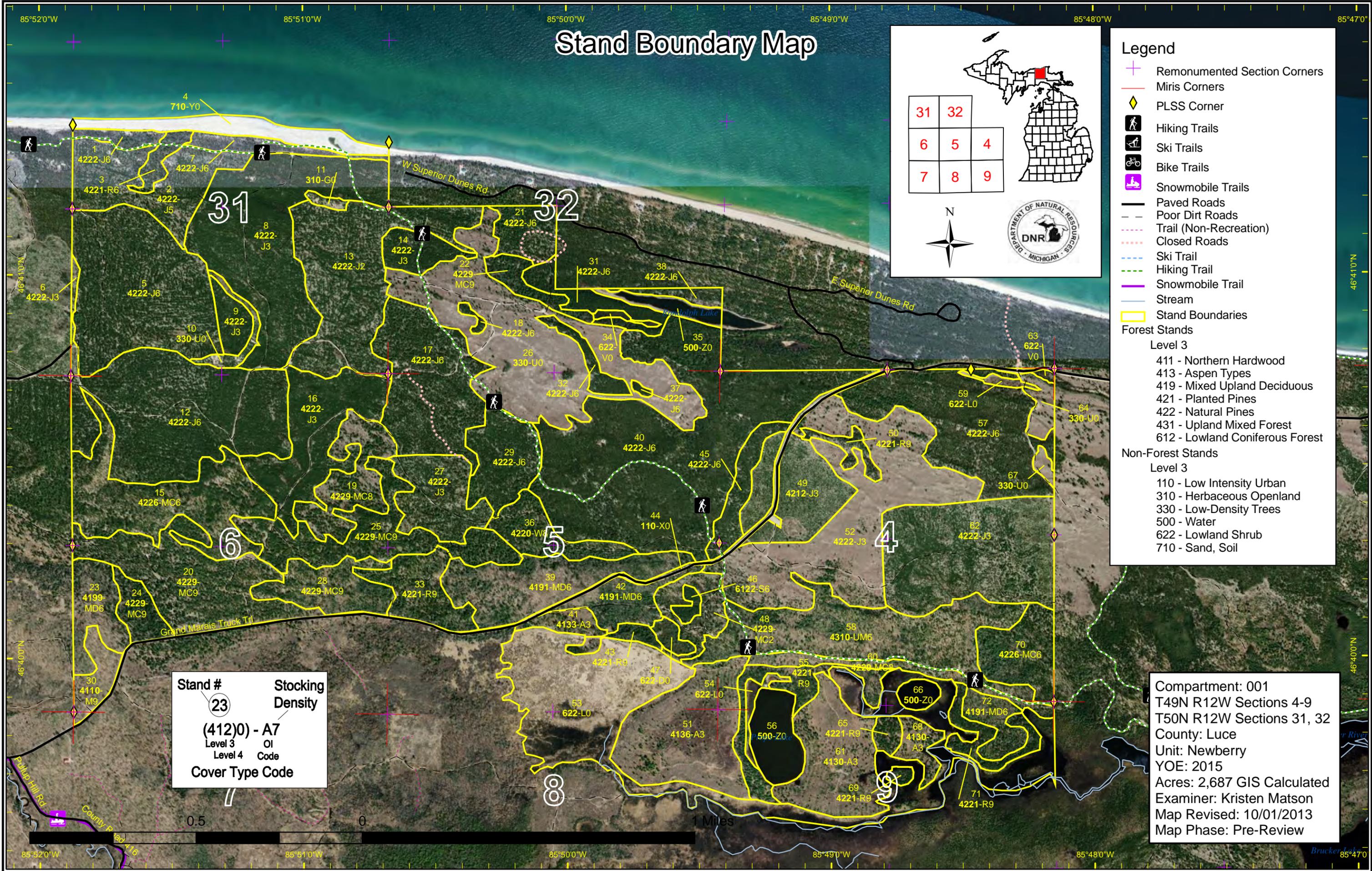
Stand Boundary Map



- Legend**
- ✚ Remonumented Section Corners
 - Miris Corners
 - ◆ PLSS Corner
 - 🚶 Hiking Trails
 - 🛷 Ski Trails
 - 🚲 Bike Trails
 - 🚙 Snowmobile Trails
 - Paved Roads
 - - Poor Dirt Roads
 - - - Trail (Non-Recreation)
 - ⋯ Closed Roads
 - - - - - Ski Trail
 - ⋯ Hiking Trail
 - Snowmobile Trail
 - Stream
 - ▭ Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 110 - Low Intensity Urban
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 710 - Sand, Soil

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

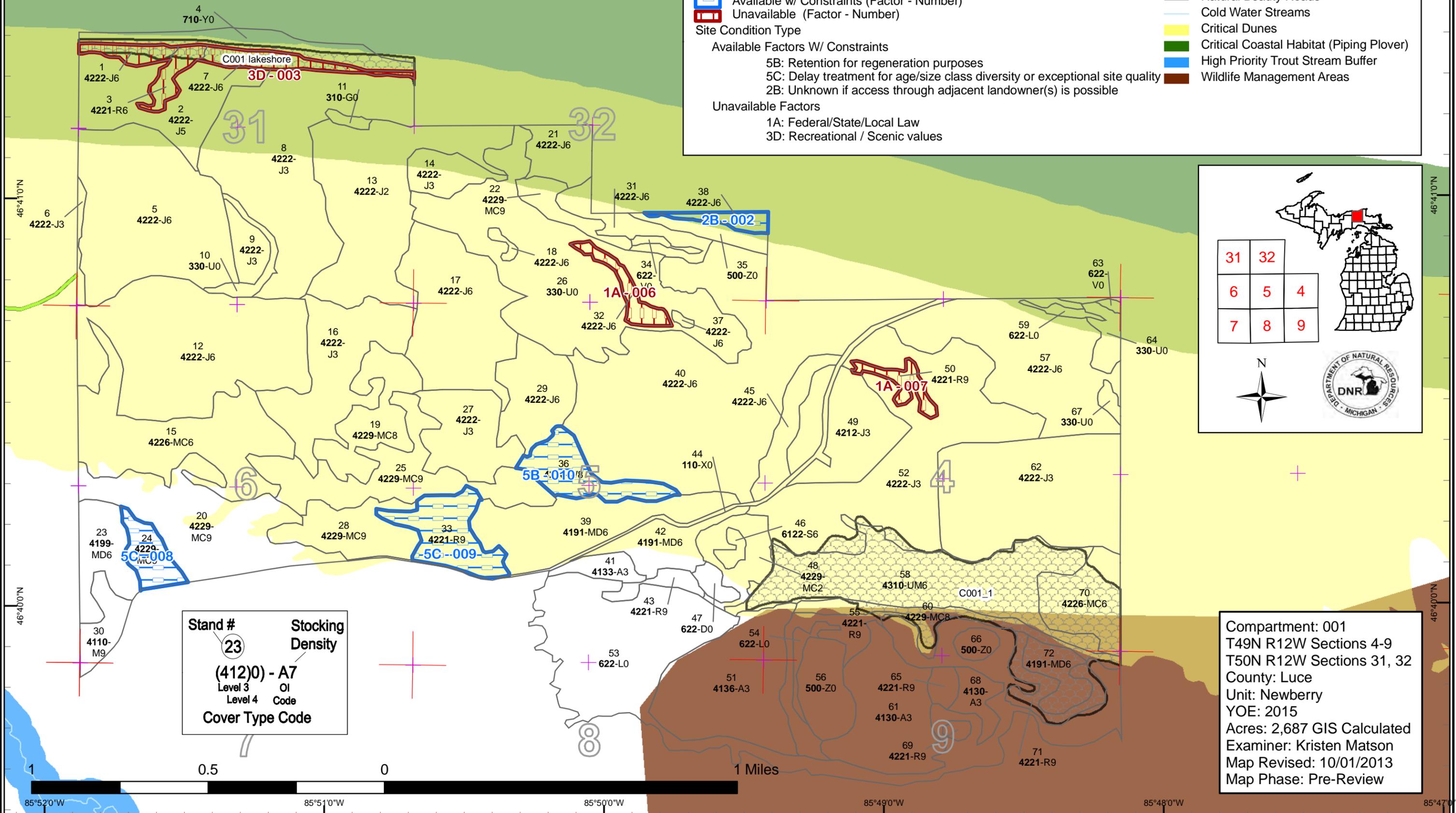
Compartment: 001
 T49N R12W Sections 4-9
 T50N R12W Sections 31, 32
 County: Luce
 Unit: Newberry
 YOE: 2015
 Acres: 2,687 GIS Calculated
 Examiner: Kristen Matson
 Map Revised: 10/01/2013
 Map Phase: Pre-Review



Special Conservation Areas & Site Conditions Map

+ Remonumented Section Corners
— Miris Corners
 Site Condition Available
 Available w/ Constraints (Factor - Number)
 Unavailable (Factor - Number)
 Site Condition Type
 Available Factors W/ Constraints
 5B: Retention for regeneration purposes
 5C: Delay treatment for age/size class diversity or exceptional site quality
 2B: Unknown if access through adjacent landowner(s) is possible
 Unavailable Factors
 1A: Federal/State/Local Law
 3D: Recreational / Scenic values

Reviewable SCAs
 SCA Removal
 Dedicated Special Conservation Areas
 Natural Beauty Roads
 Cold Water Streams
 Critical Dunes
 Critical Coastal Habitat (Piping Plover)
 High Priority Trout Stream Buffer
 Wildlife Management Areas



31	32
6	5
7	8

N

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

Compartment: 001
 T49N R12W Sections 4-9
 T50N R12W Sections 31, 32
 County: Luce
 Unit: Newberry
 YOE: 2015
 Acres: 2,687 GIS Calculated
 Examiner: Kristen Matson
 Map Revised: 10/01/2013
 Map Phase: Pre-Review





	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	147	0	0	0	0	0	0	0	0	0	0	0	0	147
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	128	4	148	421	36	233	0	88	301	37	0	0	0	0	1396
Low-Density Trees	151	0	0	0	0	0	0	0	0	0	0	0	0	0	151
Lowland Shrub	178	0	0	0	0	0	0	0	0	0	0	0	0	0	178
Lowland Spruce/Fir	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	0	0	0	0	70	46	0	0	0	0	0	116
Natural Mixed Pines	0	0	0	0	20	0	0	192	57	0	102	0	0	0	370
Northern Hardwood	0	0	0	0	0	0	0	0	14	0	0	0	0	0	14
Red Pine	0	0	0	0	0	0	0	52	10	37	0	0	0	0	98
Sand, Soil	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Mixed Forest	0	0	0	0	0	0	0	96	0	0	0	0	0	0	96
Urban	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Water	39	0	0	0	0	0	0	0	0	0	0	0	0	0	39
White Pine	0	0	0	0	0	0	0	0	0	0	24	0	0	0	24
Total	550	151	148	421	55	233	0	501	428	74	126	0	0	0	2687



Report 2 – Proposed Treatment Summaries

Newberry Mgt. Unit
Year of Entry 2015

Compartment 001
Total Compartment Acres: 2,687

Acres by Treatment Type

Commercial Harvest - 407	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		395	0	0	12	0	0	407
Total		395	0	0	12	0	0	407



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
17	42001017-Cut	73.8	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves. Do not cut red and white pine unless necessary for harvest operations, or unless the total residual (outside of the retention patches) would be greater than 30 BA. Leave paper birch, hemlock and oak if found. Retention areas will be left on steep slopes per critical dunes guidelines.</p> <p><u>Specs:</u></p> <p><u>Other</u> The North Country Trail is in the northeast part of the stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Scarify to promote jack pine regeneration. Plant JP if necessary to achieve full stocking. Acceptable regeneration is jack pine with other species currently on site mixed in. Monitor regeneration according to work instructions.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</p>										
22	42001022-Cut	11.9	42290 - Natural Mixed Pine	High Density Log	109	81-110	Harvest	Shelter Wood with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Mark red and white pine to approximately 60 BA. Retention should include a component of all species, and leave all hemlock and oak if found.</p> <p><u>Specs:</u></p> <p><u>Other</u> Follow critical dunes guidance.</p> <p><u>Comments:</u></p> <p><u>Next</u> Scarify to promote natural regeneration. Plant RP if necessary to achieve full stocking. Acceptable regeneration is red, white, and jack pine with other species currently on site mixed in. Monitor regeneration according to work instructions.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</p>										
31	42001031-Cut	17.9	42220 - Natural Jack Pine	High Density Pole	90	81-110	Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves. Do not cut red and white pine unless necessary for harvest operations, or unless the total residual (outside of the retention patches) would be greater than 30 BA. Leave paper birch, hemlock and oak if found. Retention areas will be left on steep slopes per critical dunes guidelines, and there will be a 100 ft buffer around Randolph Lake. In addition, buffer the bog (stand 34).</p> <p><u>Specs:</u></p> <p><u>Other</u> Private corner is marked.</p> <p><u>Comments:</u></p> <p><u>Next</u> Scarify to promote jack pine regeneration. Plant JP if necessary to achieve full stocking. Acceptable regeneration is jack pine with other species currently on site mixed in. Monitor regeneration according to work instructions.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</p>										
40	42001040-Cut	208.5	42220 - Natural Jack Pine	High Density Pole	85		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves. Do not cut red and white pine unless necessary for harvest operations, or unless the total residual (outside of the retention patches) would be greater than 30 BA. Leave paper birch and oak if found. Retention areas will be left on steep slopes per critical dunes guidelines. In addition, the 100 ft buffer along Randolph Lake will be considered retention.</p> <p><u>Specs:</u></p> <p><u>Other</u> Private corner is in, and private line is posted. The North Country Trail is within the stand.</p> <p><u>Comments:</u> The actual treatment acres will be significantly less due to the critical dunes areas.</p> <p><u>Next</u> Scarify to promote jack pine regeneration. Plant JP if necessary to achieve full stocking. Acceptable regeneration is jack pine with other species currently on site mixed in. Monitor regeneration according to work instructions.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</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
57	42001057-Cut	88.2	42220 - Natural Jack Pine	High Density Pole	78		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal

Prescription: Clearcut with reserves. Do not cut red and white pine unless necessary for harvest operations, or unless the total residual (outside of the retention patches) would be greater than 30 BA. Leave paper birch, hemlock and oak if found. Retention areas will be left on steep slopes per critical dunes guidelines. In addition, buffer stand 59 (lowland shrub/bog).

Other Comments:

Next Steps: Scarify to promote jack pine regeneration. Plant JP if necessary to achieve full stocking. Acceptable regeneration is jack pine with other species currently on site mixed in. Monitor regeneration according to work instructions.

Proposed Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 400.3**

S
t
a
n
d

	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
38	42001038-Cut	6.6	42220 - Natural Jack Pine	High Density Pole	81		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal

Prescription Clearcut with reserves. Do not cut red and white pine unless necessary for harvest operations, or unless the total residual (outside of the retention patches) would be greater than 30 BA. Leave paper birch and oak if found. Retention areas will be left on steep slopes per critical dunes guidelines. Buffer Randolph Lake by 100 feet.

Other Access accross private is unknown.

Comment:

Next Steps: Scarify to promote jack pine regeneration. Plant JP if necessary to achieve full stocking. Acceptable regeneration is jack pine with other species currently on site mixed in. Monitor regeneration according to work instructions.

Proposed

Start Date: 10/01/2014

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

**Total Treatment
Acreage Proposed: 6.6**

Report 5 – Site Conditions

Newberry Mgt. Unit
Kristen Matson : Examiner

Compartment 001
Year of Entry 2015

Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions					
	Available	Not Available		No	5C	5B	3D	2B	1A
147	147		Aspen	147					
1396	1368	29	Jack Pine	1,361			20	7	9
4	4		Lowland Spruce/Fir	4					
116	116		Mixed Upland Deciduous	116					
370	370		Natural Mixed Pines	357	14				
14	14		Northern Hardwood	14					
98	83	15	Red Pine	54	29		8		7
96	96		Upland Mixed Forest	96					
24	24		White Pine			24			
2,265	2,221	44	Total Forested Acres	2,148	42	24	28	7	16
	98%	2%	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	2B: Unknown if access through adjacent landowner(s) is possible	7				
Comments:							
003	Not Available	3D: Recreational / Scenic values	28				
Comments: Lake Superior shore and North Country Trail.							
006	Not Available	1A: Federal/State/Local Law	9				
Comments: Critical dunes - retention area.							

Report 5 – Site Conditions

Newberry Mgt. Unit
Kristen Matson : Examiner

Compartment 001
Year of Entry 2015

007	Not Available	1A: Federal/State/Local Law	7
Comments: Critical dunes - retention area.			
008	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14
Comments:			
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29
Comments:			
010	Available	5B: Retention for regeneration purposes	24
Comments:			



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
C001 lakeshore	Potential Old Growth		SCA Removal	31.9
Comments Already covered in the HCVA layers as critical dunes and piping plover habitat.				
C001_1	Potential Old Growth		SCA Removal	167.2
Comments Stand is already covered by critical dunes SCA.				



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	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.
SCA	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.
HCVA	Critical Dunes	Critical dune areas are established via the public legislative process, and governed by Part 353, Sand Dune Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). The current distribution of designated critical dunes is established by the DEQ 1989 Atlas of Critical Dune Areas.
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.

S
t
a
n
d

Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 001
Year of Entry: 2015

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42220 - Natural Jack Pine	High Density Pole	7.2	92		Stand along Lake Superior. Contains the North Country Trail.
2	42220 - Natural Jack Pine	Medium Density Pole	53.5	33		
3	42210 - Natural Red Pine	High Density Pole	8.1	92	51-80	Adjacent to Lake Superior. The North Country trail goes through the stand.
5	42220 - Natural Jack Pine	High Density Pole	107.7	53		Cut and scarified in 1960's.
6	42220 - Natural Jack Pine	High Density Sapling	3.5	16		Cut with stand west in Alger County.
7	42220 - Natural Jack Pine	High Density Pole	12.3	92		Stand along Lake Superior. The North Country Trail goes through the stand.
8	42220 - Natural Jack Pine	High Density Sapling	118.1	33		Densely stocked.
9	42220 - Natural Jack Pine	High Density Sapling	11.0	33		
12	42220 - Natural Jack Pine	High Density Pole	125.2	53		Cut and scarified in the 1960's.
13	42220 - Natural Jack Pine	Medium Density	94.6	33		
14	42220 - Natural Jack Pine	High Density Sapling	15.1	35		
15	42260 - Natural Pine, Mixed Deciduous	High Density Pole	78.6	76	81-110	Steep ridges within the stand.
16	42220 - Natural Jack Pine	High Density Sapling	60.6	33		
17	42220 - Natural Jack Pine	High Density Pole	73.8	81		
18	42220 - Natural Jack Pine	High Density Pole	1.9	81		Retention island on ridge for sale #16-05-01.
19	42290 - Natural Mixed Pine	Medium Density Log	34.8	70	51-80	Harvested in 2006, with retention areas of red and white pine. Regen count in 2013 is fully stocked with jack pine, white pine, and red pine.
20	42290 - Natural Mixed Pine	High Density Log	76.0	100	51-80	Selection cut in 2008.
21	42220 - Natural Jack Pine	High Density Pole	18.3	45		

S
t
a
n
d

Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 001
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42290 - Natural Mixed Pine	High Density Log	11.9	109	81-110	
23	4199 - Other Mixed Upland Deciduous	High Density Pole	25.1	80	81-110	
24	42290 - Natural Mixed Pine	High Density Log	13.7	100	111-140	Widespread large diameter red and white pine, with dense sapling/pole under.
25	42290 - Natural Mixed Pine	High Density Log	57.4	85	81-110	
27	42220 - Natural Jack Pine	High Density Sapling	35.3	31		Sale #29-79-A.
28	42290 - Natural Mixed Pine	High Density Log	31.0	75	81-110	Areas of steep topography within stand.
29	42220 - Natural Jack Pine	High Density Pole	32.8	39		
30	4110 - Sugar Maple Association	High Density Log	13.9	82	51-80	Select harvested in 2008, with a small aspen cc area within the stand.
31	42220 - Natural Jack Pine	High Density Pole	17.9	90	81-110	Adjacent to Randolph Lake.
32	42220 - Natural Jack Pine	High Density Pole	9.0	85		Retention area on ridge for sale #16-05-01.
33	42210 - Natural Red Pine	High Density Log	28.7	92	51-80	Areas of steep topography.
36	42200 - Natural White Pine	Medium Density Log	24.0	109	51-80	
37	42220 - Natural Jack Pine	High Density Pole	1.1	85		Retention area on ridge for sale #16-05-01.
38	42220 - Natural Jack Pine	High Density Pole	6.6	81		Between Randolph Lake and private.
39	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	54.9	71	111-140	Adjacent to Grand marais Truck Trail. Some steep ridges.
40	42220 - Natural Jack Pine	High Density Pole	208.5	85		North Country trail goes through this stand. There are steep ridges within the stand.
41	4133 - Aspen, Mixed Pine	High Density Sapling	8.8	14		Sale # 005-95-01.
42	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	21.1	83	81-110	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	42210 - Natural Red Pine	High Density Log	6.9	77	111-140	
45	42220 - Natural Jack Pine	High Density Pole	17.4	48		
46	6122 - Black Spruce	High Density Pole	3.6	76		Retention areas left when surrounding stand was cut.
48	42290 - Natural Mixed Pine	Medium Density	19.6	42		Some areas of low ground.
49	42120 - Planted Jack Pine	High Density Sapling	46.2	25		Sale # 67-84-01.
50	42210 - Natural Red Pine	High Density Log	7.4	87	81-110	Retention area for sale #015-05-01. Steep ridge.
51	4136 - Aspen, Mixed Conifer	High Density Sapling	72.2	14		Sale #005-95-01.
52	42220 - Natural Jack Pine	High Density Sapling	128.3	6	1-50	Sale # 015-05-01 complete in 2007.
55	42210 - Natural Red Pine	High Density Log	24.9	77	81-110	Surrounds Props Lake. Retention area from sale #005-95-01.
57	42220 - Natural Jack Pine	High Density Pole	88.2	78		Contains some steep ridges. Old, stagnated jack pine. Red and white pine are more abundant on the ridges.
58	4310 - Pine, Oak Mix	High Density Pole	96.0	72	81-110	Stand contains some steep ridges and the North Country Trail.
60	42290 - Natural Mixed Pine	Medium Density Log	16.6	73	51-80	Steep south facing slope. Some areas of bare ground.
61	4130 - Aspen	High Density Sapling	55.6	14		Sale # 005-95-01. Scattered red and white pine residual trees.
62	42220 - Natural Jack Pine	High Density Sapling	102.3	25		Tsale #69-84-1. Most of the stand is a result of scarification, but the east part was planted. FTP C42-347. Some scattered residual red and white pine, and oak.
65	42210 - Natural Red Pine	High Density Log	5.4	77	81-110	Sale #005-95-1. Red and white pine residual.
68	4130 - Aspen	High Density Sapling	10.4	15		Sale # 005-95-01.
69	42211 - Natural Red Pine, Mixed Deciduous	High Density Log	2.3	80		Small island of pine - surrounded by marsh.
70	42260 - Natural Pine, Mixed Deciduous	High Density Pole	30.8	76	111-140	Contains steep ridges.

S
t
a
n
d

Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 001
Year of Entry: 2015



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
71	42210 - Natural Red Pine	High Density Log	14.6	73	141-170	
72	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	14.9	73		Difficult access.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	710 - Sand, Soil	27.7	No	Low	Lake Superior beach.
10	3302 - Low Density Conifer Trees	6.8	Natural Regen	Jack Pine	steep hillside
11	3101 - Poverty Grass, Cladonia	2.5	No	Unspecified	
26	3302 - Low Density Conifer Trees	132.6	Natural Regen	Jack Pine	Scarified in 2009. North Country Trail is in the stand. 2013 regen check: 2283 JP tpa.
34	6225 - Bog	2.1	No	Unspecified	Seasonally wet.
35	50 - Water	10.0	No	Low	Randolph Lake
44	11 - Low Intensity Urban	14.1	No	Low	Grand Marais Truck Trail. Co Rd 407.
47	6224 - Treed Bog	5.1	No	Unspecified	Wet ground with some suppressed and dead trees.
53	6220 - Alder/willow	170.9	No	Unspecified	
54	6229 - Mixed lowland shrub	4.8	No	Unspecified	
56	50 - Water	23.3	No	Low	Props Lake
59	6220 - Alder/willow	2.7	No	Unspecified	Seasonally wet.
63	6225 - Bog	1.1	No	Unspecified	
64	3302 - Low Density Conifer Trees	8.6	Natural Regen	Jack Pine	Harvested in 2008 with adjacent compartment. Regen check in 2011: jp=620 t/a, rp=218 t/a, wp=81 t/a.
66	50 - Water	5.9	No	Unspecified	pond
67	3302 - Low Density Conifer Trees	2.8	Natural Regen	Jack Pine	Harvested in 2008 with adjacent compartment. Regen check in 2011: jp=620 t/a, rp=218 t/a, wp=81 t/a.