



**Newberry Forest Management Unit
Compartment Review Presentation
Compartment #42107 Entry Year: 2014
Compartment Acreage: 2114 County: Luce**

Revision Date: 9-19-2012

Stand Examiner: Don Kuhr

Legal Description: T45N R11W Section(s) 21, 22, 27, 33, 34

RMU (if applicable): The compartment is located within the County Line Hardwoods Management Area.

Management Goals: timber, wildlife, recreation

Soil and Topography: Soil grades from Kalkaska and Adams loamy sands in the upland types to Carbondale and Dawson mucks in the lowland types. Topography is gently rolling upland to flat swamps.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private lands to the north and west; mixed State and private lands to the east and south.

Unique, Natural Features: Black Creek swamp

Archeological, Historical, and Cultural Features: No unique sites known.

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: Fisheries Values: Good to Excellent

Fisheries Concerns: Upper Black Creek and Locke Creek both run through this compartment. Both are designated trout streams and are less than 50 feet wide. Upper Black Creek will require a 300' buffer to be maintained through any treatment areas. Locke Creek will require a 200' buffer to be maintained through any treatment areas.

Wildlife Habitat Considerations: Compartment 107 is situated in south western Luce county in the St. Ignace ecological sub-subsection and in the County Line Hardwoods Management Area where white-tailed deer, black bear, snowshoe hare, ruffed grouse, red shouldered hawk and northern goshawk are designated featured species. The area has fairly diverse cover types with a large component of northern hardwoods and cedar and a scattering of aspen, lowland mixed types, mixed and lowland conifer and fir stands.

Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in harvested stands and the preservation of conifer components in aspen and hardwood stands. Some large aspen will be retained in stands for future softwood snags. Soft mast (cherry) is present in the compartment and will be maintained in harvested stands. Hardwood stands are likely to contain vernal pools which will be protected during harvest operations to preserve wetland wildlife habitat. White-tailed deer, black bear, fisher, marten, bobcat, coyotes, gray wolves, ruffed grouse, woodcock, snowshoe hare and pileated woodpecker are expected to use this compartment.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine sand and gravel, peat and muck and coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Silurian Manitoulin Dolomite and Cabothead Shale subcrop below the glacial drift. The Manitoulin could be used for stone. Gravel pits are located in Section 28 and 24 and potential should be good on the uplands. There is no economic oil and gas production in the UP.

Vehicle Access: Good access via county roads 458, 468 and 429.

Survey Needs: There is a fence trespass in section 27.

Recreational Facilities and Opportunities: A snowmobile trail runs throughout the compartment, as well as an ORV trail.

Fire Protection: Large fires in this compartment are not likely because of the hardwood and mixed conifer/hardwood lowland types. Travel times are reasonable for this compartment and may not impact fire size. Access with heavy suppression equipment is limited and could challenge suppression tactics.

Additional Compartment Information:

- **The following reports from the Inventory are attached:**
 - ◆ **Total Acres by Cover Type and Age Class**
 - ◆ **Proposed Treatment Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Details (Forested and Nonforested)**
 - ◆ **Dedicated and Proposed Special Conservation Areas**

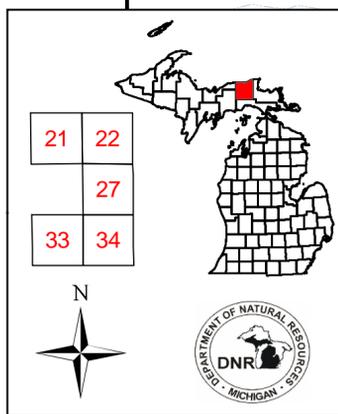
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand boundaries, cover types, and numbers**
 - ◆ **Proposed treatments**
 - ◆ **Details on the road access system**

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Cover Type & Treatment Map

Compartment: 107
 T45N R11W Sec. 21, 22, 27, 33, 34
 County: Luce
 Unit: Newberry
 YOE: 2014
 Acres: 2,114 GIS Calculated
 Examiner: Don Kuhr
 Map Revised: 10/04/2012
 Map Phase: Pre-Review

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



Legend

- Remunemented Section Corners
- Miris Corners
- PLSS Corner
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Motorcycle Trails (DNR License)
- Snowmobile Trails
- Motorcycle (DNR Sticker)
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

Forest Stands

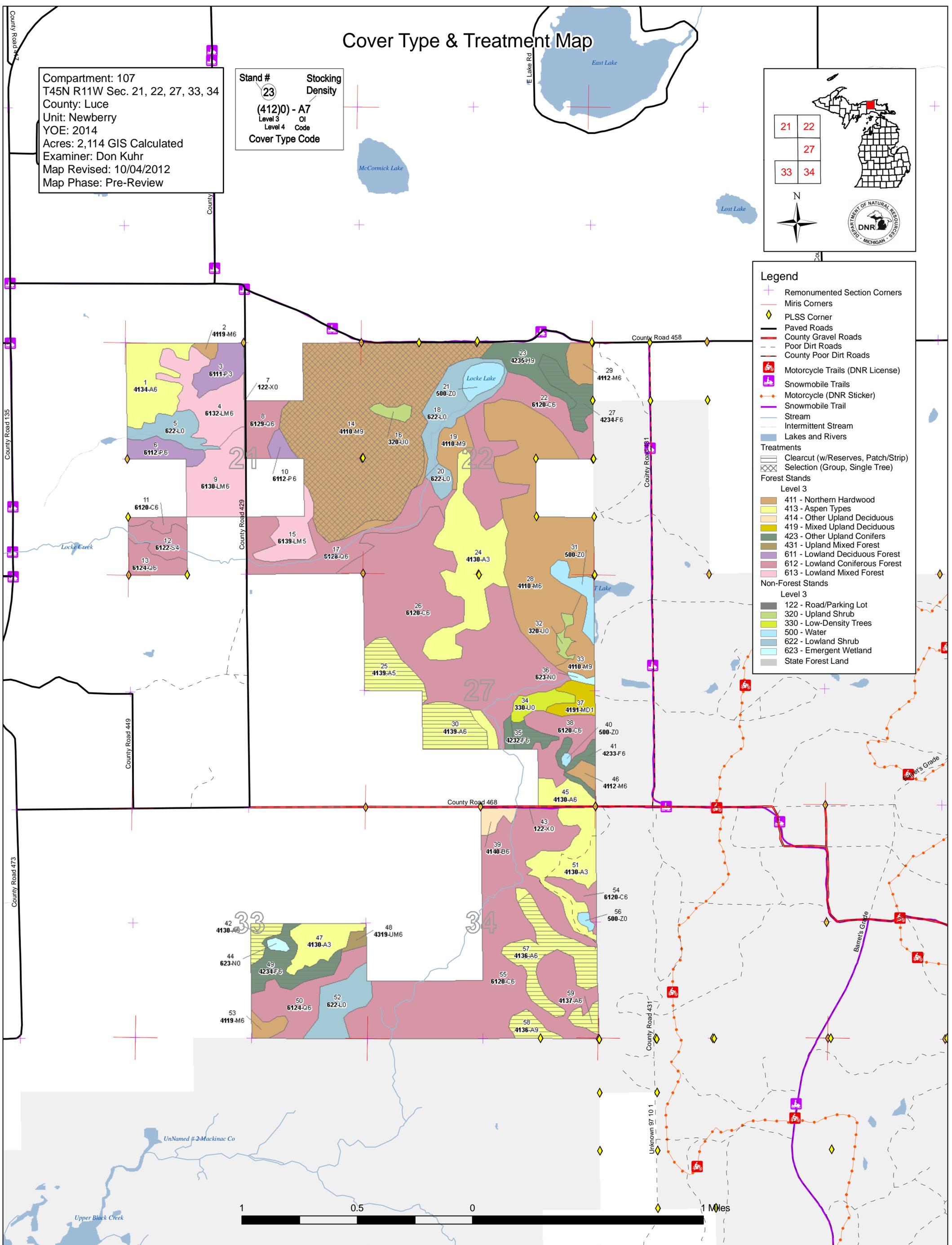
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

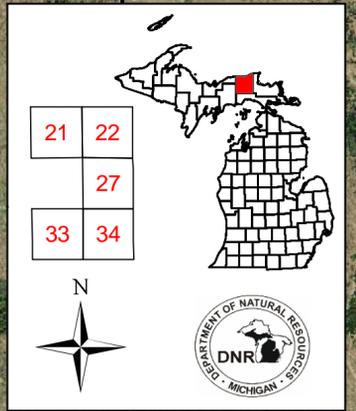
- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- State Forest Land



Stand Boundary Map

Compartment: 107
 T45N R11W Sec. 21, 22, 27, 33, 34
 County: Luce
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 YOE: 2014
 Acres: 2,114 GIS Calculated
 Examiner: Don Kuhr
 Map Revised: 10/04/2012
 Map Phase: Pre-Review

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



Legend

- ✦ Remonumented Section Corners
- ✦ Miris Corners
- ✦ PLSS Corner
- Paved Roads
- County Gravel Roads
- - - Poor Dirt Roads
- - - County Poor Dirt Roads
- 🏍 Motorcycle Trails (DNR License)
- 🏍 Snowmobile Trails
- 🏍 Motorcycle (DNR Sticker)
- 🏍 Snowmobile Trail
- Stream
- Intermittent Stream
- ▭ Stand Boundaries

Forest Stands

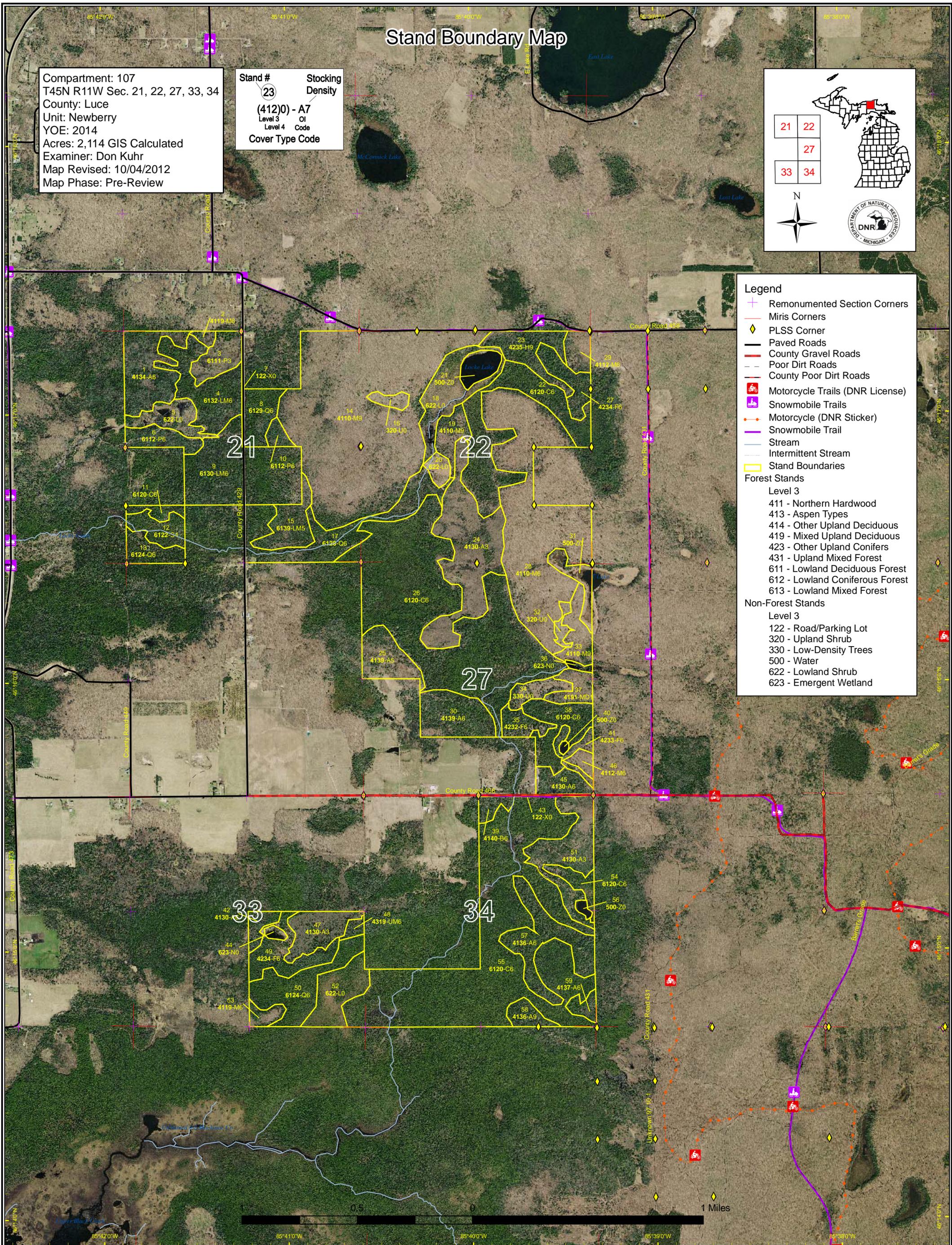
Level 3

- 411 - Northern Hardwood
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- 414 - Other Upland Deciduous
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Non-Forest Stands

Level 3

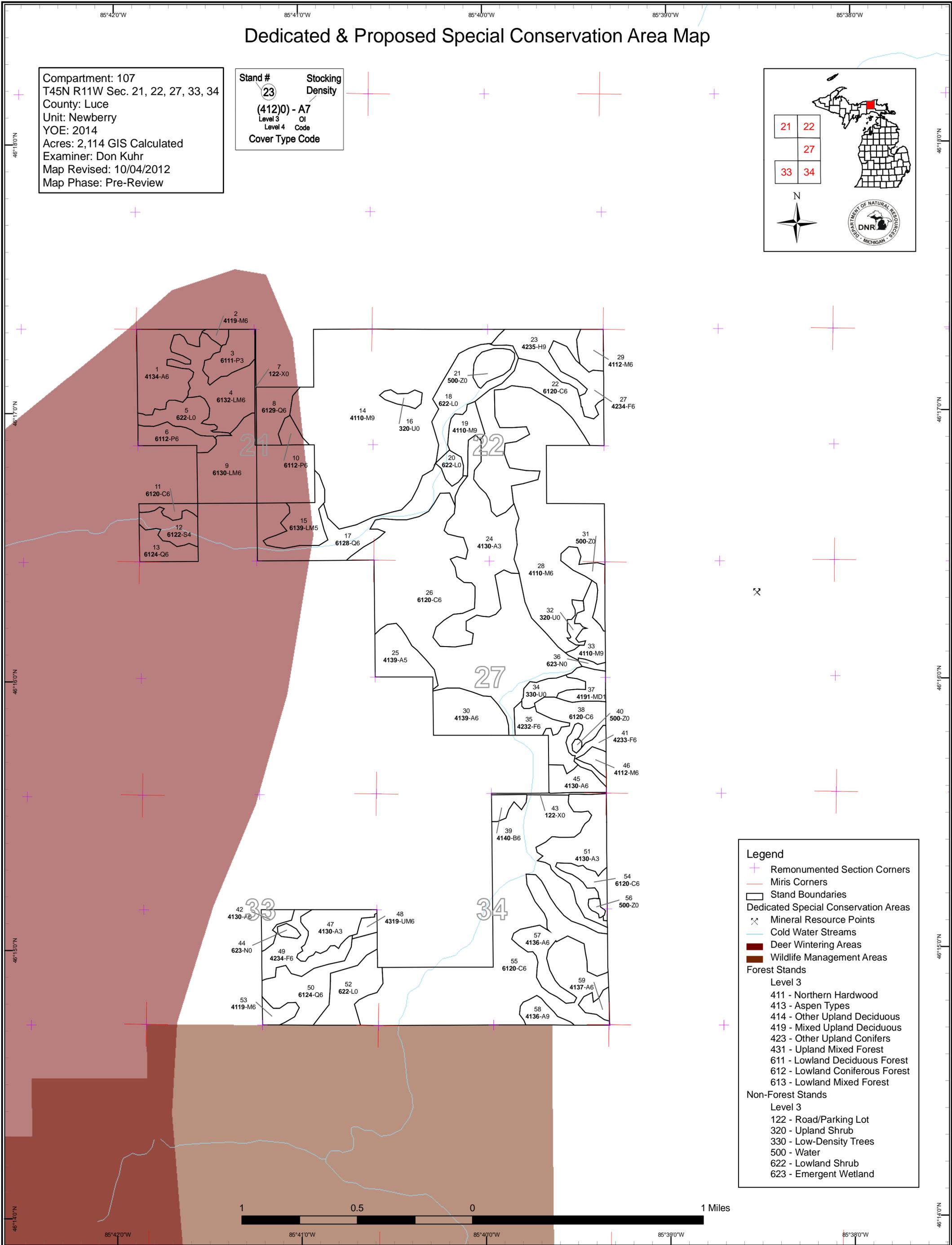
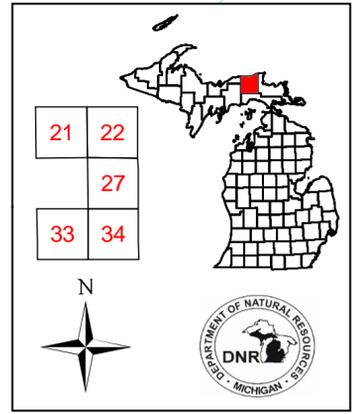
- 122 - Road/Parking Lot
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- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Dedicated & Proposed Special Conservation Area Map

Compartment: 107
 T45N R11W Sec. 21, 22, 27, 33, 34
 County: Luce
 Unit: Newberry
 YOE: 2014
 Acres: 2,114 GIS Calculated
 Examiner: Don Kuhr
 Map Revised: 10/04/2012
 Map Phase: Pre-Review

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



- Legend**
- + Remonumented Section Corners
 - Miris Corners
 - Stand Boundaries
 - Dedicated Special Conservation Areas**
 - ⊗ Mineral Resource Points
 - Cold Water Streams
 - Deer Wintering Areas
 - Wildlife Management Areas
 - Forest Stands**
 - Level 3
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 414 - Other Upland Deciduous
 - 419 - Mixed Upland Deciduous
 - 423 - Other Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - Non-Forest Stands**
 - Level 3
 - 122 - Road/Parking Lot
 - 320 - Upland Shrub
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland

Table 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	0	86	74	60	0	7	47	63	0	0	0	0	0	19	356
Cedar	0	0	0	0	0	0	0	0	350	7	279	0	0	0	635
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28
Low-Density Trees	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	0	20	0	23	0	0	0	0	0	0	0	0	0	0	43
Lowland Conifers	0	0	0	0	0	0	0	21	43	0	0	62	0	16	143
Lowland Mixed Forest	0	0	0	0	48	0	0	0	48	0	0	0	0	25	122
Lowland Shrub	96	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Northern Hardwood	0	0	0	0	0	0	0	26	15	192	284	0	0	0	517
Paper Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Upland Mixed Forest	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Upland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Spruce/Fir	0	0	0	0	0	0	29	29	12	0	0	0	0	0	70
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Total	158	106	74	83	48	7	76	143	469	199	562	62	0	126	2114



Table 2 – Proposed Treatment Summaries

Newberry Mgt. Unit
Year of Entry 2014

Compartment 107
Total Compartment Acres: 2114

Acres by Treatment Type

Commercial Harvest - 491	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	136	0	0	0	0	0	136
Northern Hardwood	0	284	0	0	0	0	284
Upland Mixed Forest	4	0	0	0	0	0	4
Upland Spruce/Fir	67	0	0	0	0	0	67
Total	207	284	0	0	0	0	491



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
14	42107014-Cut	283.6	4110 - Sugar Maple Association	High Density Log	100	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Cut to 80 BA, leave all hemlock, some mast producing cherry and some aspen/birch if it exists. Buffer the creek by 200 ft.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> regen check, all current species acceptable										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
25	42107025- Cut1	26.7	4139 - Aspen, Mixed Deciduous	Medium Density Pole	70	81-110	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with reserves, leave some scattered conifer if it occurs and some mature aspen especially on the east side of the stands.										
<u>Specs:</u>										
<u>Other</u> fence trespass, need survey, access from private										
<u>Comments:</u>										
<u>Next</u> regen check, all current species acceptable										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
27	42107027- Cut1	18.9	42340 - Upland Spruce/Fir	High Density Pole	70	141-170	Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> clearcut with reserves. Leave a diversity of species in retention.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> regen check, all current species acceptable										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
30	42107030-Cut	36.1	4139 - Aspen, Mixed Deciduous	High Density Pole	70	111-140	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Reserve hemlock and cedar also leave some scattered conifer if it occurs and some mature aspen especially on the east side of the stands. The										
<u>Specs:</u> 300 ft buffer along Upper Black Creek will provide a wildlife corridor.										
<u>Other</u> access from south through private										
<u>Comments:</u>										
<u>Next</u> regen check, all current species acceptable										
<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
35	42107035-Cut	9.1	42320 - Upland Spruce	High Density Pole	80		Harvest	Clearcut with Reserves	42320 - Upland Spruce	Cmpt. Review Proposal
<u>Prescription:</u> Access from the east. Leave some mature spruce or mixed conifer especially near the creek to facilitate wildlife travel. A 300ft creek buffer will also provide habitat. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> regen check, all current species acceptable <u>Proposed Start Date:</u> 10/01/2013										
41	42107041-Cut	9.8	42330 - Upland Fir	High Density Pole	79	81-110	Harvest	Clearcut with Reserves	42330 - Upland Fir	Cmpt. Review Proposal
<u>Prescription:</u> Leave all hemlock; retain diversity within retention. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> regen check, all current species acceptable <u>Proposed Start Date:</u> 10/01/2014										
42	42107042-Cut	8.8	4130 - Aspen	High Density Pole	70	171-200	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Access from north through private. Retain Mature aspen in red line trees. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> regen check, all current species acceptable <u>Proposed Start Date:</u> 10/01/2014										
49	42107049-Cut	29.2	42340 - Upland Spruce/Fir	High Density Pole	60	141-170	Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
<u>Prescription:</u> access from north through private. Leave conifer 4" and under within the stand and aspen in the red line trees along A3. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> regen check, all current species acceptable <u>Proposed 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
57	42107057-Cut	47.1	4136 - Aspen, Mixed Conifer	High Density Pole	61	111-140	Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Leave mature aspen, spruce and scattered conifer along edge. A 300 ft buffer along the creek will provide extra habitat.

Specs:

Other

Comments:

Next regen check, all current species acceptable

Steps:

Proposed

Start Date: 10/01/2013

58	42107058-Cut	10.5	4136 - Aspen, Mixed Conifer	High Density Log	51	81-110	Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
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Prescription Leave mature aspen, spruce and scattered conifer along edge.

Specs:

Other

Comments:

Next regen check, all current species acceptable

Steps:

Proposed

Start Date: 10/01/2013

59	42107059-Cut	6.9	4137 - Aspen, Birch	High Density Pole	51	51-80	Harvest	Clearcut with Reserves	4137 - Aspen, Birch	Cmpt. Review Proposal
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Prescription Leave mature aspen, spruce and scattered conifer along edge.

Specs:

Other

Comments:

Next regen check, all current species acceptable

Steps:

Proposed

Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 486.6**

Table 4 -- Treatments Prescribed with a Limiting Factor



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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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#Error

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: 0

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: #Error

**Total Treatment
Acreage Proposed: 0**



Stand	Newberry Mgt. Unit			5 – Forested Stands		Compartment: 107 Year of Entry: 2014	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	4134 - Aspen, Spruce/Fir	High Density Pole	45.3	33			
2	4119 - Mixed Northern Hardwoods	High Density Pole	3.3	80			
3	6111 - Lowland Balsam Poplar	High Density Sapling	19.9	13			
4	6132 - Mixed Lowland Forest with Cedar	High Density Pole	48.4	84	171-200		
6	6112 - Lowland Aspen	High Density Pole	16.8	34			
8	6129 - Mixed Coniferous Lowland Forest	High Density Pole	21.2	75	200+		
9	6130 - Fir, Aspen, Maple	High Density Pole	48.5	40	51-80		
10	6112 - Lowland Aspen	High Density Pole	6.1	39			
11	6120 - Lowland Cedar	High Density Pole	7.1	90	200+		spruce falling
12	6122 - Black Spruce	Low Density Pole	17.3	Uneven Age	1-50		balsam and aspen dying out. balsam understory with some cedar seedlings
13	6124 - Lowland Spruce- Fir	High Density Pole	16.0	Uneven Age			
14	4110 - Sugar Maple Association	High Density Log	283.6	100	111-140		some logs
15	6139 - Mixed Lowland Forest	Medium Density Pole	24.7	Uneven Age	51-80		
17	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	62.5	110	171-200		contains stream
19	4110 - Sugar Maple Association	High Density Log	15.6	90			
22	6120 - Lowland Cedar	High Density Pole	74.7	86	141-170		
23	42350 - Upland Hemlock	High Density Log	28.2	Uneven Age	81-110		
24	4130 - Aspen	High Density Sapling	86.4	15			

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Newberry Mgt. Unit

5 – Forested Stands

Compartment: 107
Year of Entry: 2014

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4139 - Aspen, Mixed Deciduous	Medium Density Pole	26.7	70	81-110	Red maple is sprout origin. Fence trespass on south line.
6120 - Lowland Cedar	High Density Pole	243.3	86	171-200	
42340 - Upland Spruce/Fir	High Density Pole	18.9	70	141-170	mixed upland, low, wetter west
4110 - Sugar Maple Association	High Density Pole	170.6	90	51-80	regen patchy, cherry, red maple, ironwood?, lots of browsing
4112 - Maple, Beech, Cherry Association	High Density Pole	12.0	80	81-110	
4139 - Aspen, Mixed Deciduous	High Density Pole	36.1	70	111-140	includes OI stand 62 and 64
4110 - Sugar Maple Association	High Density Log	18.5	70	81-110	
42320 - Upland Spruce	High Density Pole	12.3	80		New stand added.
4191 - Mixed Upland Deciduous with Conifer	Low Density Sapling	13.3	Uneven Age		regenerating semiopen
6120 - Lowland Cedar	High Density Pole	31.8	86	200+	
4140 - Other Upland Deciduous	High Density Pole	7.4	Uneven Age		
42330 - Upland Fir	High Density Pole	9.8	79	81-110	
4130 - Aspen	High Density Pole	8.8	Uneven Age	171-200	two story, aspen over
4130 - Aspen	High Density Pole	15.2	36		
4112 - Maple, Beech, Cherry Association	High Density Pole	5.5	90	81-110	
4130 - Aspen	High Density Sapling	26.3	20		nice
4319 - Mixed Upland Forest	High Density Pole	4.0	70	171-200	some slope
42340 - Upland Spruce/Fir	High Density Pole	29.2	60	141-170	slight slope

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Newberry Mgt. Unit

5 – Forested Stands

Compartment: 107
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	6124 - Lowland Spruce- Fir	High Density Pole	43.1	86	111-140	small diameter
51	4130 - Aspen	High Density Sapling	47.4	28		
53	4119 - Mixed Northern Hardwoods	High Density Pole	7.5	70		
54	6120 - Lowland Cedar	High Density Pole	10.5	100	171-200	stream flood plainly, active beavers
55	6120 - Lowland Cedar	High Density Pole	268.1	104	171-200	
57	4136 - Aspen, Mixed Conifer	High Density Pole	47.1	61	111-140	aspen dying
58	4136 - Aspen, Mixed Conifer	High Density Log	10.5	Uneven Age	81-110	aspen dying, ridge
59	4137 - Aspen, Birch	High Density Pole	6.9	51	51-80	aspen dying



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	622 - Lowland Shrub	21.0	N/A	Unspecified	
7	122 - Road/Parking Lot	1.6	N/A	Unspecified	
16	320 - Upland Shrub	5.8	N/A	Unspecified	
18	622 - Lowland Shrub	36.5	N/A	Unspecified	
20	622 - Lowland Shrub	7.2	N/A	Unspecified	
21	50 - Water	13.0	N/A	Unspecified	
31	50 - Water	13.9	N/A	Unspecified	
32	320 - Upland Shrub	4.9	N/A	Unspecified	
34	3301 - Low Density Deciduous Tree	12.5	No	Unspecified	
36	623 - Emergent Wetland	2.2	N/A	Unspecified	
40	50 - Water	1.2	N/A	Unspecified	
43	122 - Road/Parking Lot	2.2	N/A	Unspecified	
44	6230 - Cattail	2.8	No	Low (NonForested)	dried up beaver pond, could freeze
52	622 - Lowland Shrub	31.1	N/A	Unspecified	
56	50 - Water	2.3	N/A	Unspecified	



7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments



8 – 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.