



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 99

Entry Year 2015

Acreage: 3,222

County Luce

Management Area: Tahquamenon Basin Wetlands

Revision Date: 08/29/2013

Stand Examiner: Ryan Mattila

Legal Description:

T46N R12W Sections 10, 12-15, 22-24, 27, 35, 36

Identified Planning Goals:

Recreation, timber, wildlife and fisheries 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:

The compartment is situated on the edge of an upland sandy outwash of Kalkaska, Rubicon and Wallace Sands which is adjacent to the Tahquamenon River Swamp Complex. This upland area is level to rolling and has good access. The forested types are mostly upland species of hardwood and pine that range from well to poorly stocked. The swamp complex is level and mostly made up of wet lowland soils such as Lupton, Tawas and Carbondale Muck. The forested types on these soil types are mostly lowland conifers that are poorly stocked with difficult access.

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

The compartment is predominately state owned with private land and corporate land scattered around and throughout. The area has been managed for timber production in the past. The compartment is used for an assortment of recreational opportunities. There are a significant amount of heavily used private hunting camps on the private land in and around the compartment.

Unique Natural Features:

The Tahquamenon River, the Tahquamenon River Spreads and Syphon Creek.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

A large portion of the compartment is typed as lowland and access is very limited. Some of these lowland areas are frequently very wet and are within the influence zone of the Tahquamenon River. These things should be factored in when making management decisions.

Watershed and Fisheries Considerations:

Fisheries Values: Excellent

Fisheries Concerns: This compartment contains Syphon Creek, Kings Creek, and Tahquamenon River, all designated trout streams. All three of these streams do provide a native brook trout fishery with the Tahquamenon River being the most popular and heavily fished. In-stream habitat improvement took place upstream of this compartment in the early 2000's. Due to the geography in this part of the watershed additional precautions should be taken to preserve the riparian corridor along the Tahquamenon River above the County Road 442 bridge. The proposed clear-cut in stand 38 needs to maintain a 200 foot buffer along the river. The terrain here is flat and regeneration of aspen would promote beaver activity, potentially affecting in-stream habitat for trout. For proposed treatments along Syphon Creek, a minimum of a 100 foot buffer should be maintained. No treatments are proposed near Kings Creek, so Fisheries has no concerns at this time for this creek.

Wildlife Habitat Considerations:

This large compartment is located in the Seney Sand Lake Plain ecological sub-subsection. It is also within the western edge of the McMillian deer yard and supports high numbers of deer during demanding winter periods. This compartment has excellent vegetative species diversity. Large blocks of swamp conifer border the Syphon creek and provide an excellent wildlife travel corridor. The compartment as a whole appears to be more diverse than what is indicated in presettlement records.

Mast producing species and a conifer component will be maintained in hardwood stands to enhance food availability and structural and species diversity. Hemlock and cedar canopies will not be disturbed to preserve thermal capabilities of those 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. Nest and den trees, snags, and woody debris will be maintained in stands where they exist. Wildlife featured species in the management area include black bear, gray jay, snowshoe hare, and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck, glacial outwash sand and gravel and postglacial alluvium and minor coarse-textured glacial till. The glacial drift thickness varies between 100 and 200 feet or there is insufficient data to determine the thickness. The Ordovician Big Hill and Stonington Formations and the Utica Shale subcrop below the glacial drift. The Big Hill and Stonington could be used for stone. A gravel pit is located in Sections 33 and 36 and potential appears to be good on the uplands. There is no economic oil and gas production in the UP.

Vehicle Access:

The compartment is thirteen miles west of Newberry. Access can be gained to the compartment via County Road 421 which leads north from M-28. County Road 475, which branches from County Road 421, runs across the northern portion of the compartment. There are approximately 2 miles of two track roads within the upland areas of the compartment that are drivable.

Survey Needs:

Survey work needed in Sections 10, 12, 15, 22, 23, and 36 to do timber sale work. In Section 36 NW1/4 of the NE1/4 there is app. 2 acres that the state has acquired that needs to be checked for possible trespass

Recreational Facilities and Opportunities:

There are no developed recreational facilities within this compartment. The compartment is used for an assortment of recreational opportunities such as fishing, hunting, ORV riding, wildlife viewing, snowmobiling etc. There are a significant amount of heavily used private hunting camps on the private land in and around the compartment.

Fire Protection:

Large fire runs are not likely in this compartment because of the upland hardwoods and mixed lowland conifer and hardwood types. Upland ground and network of roads are favorable for fire equipment access. The lowland conifer areas may be inaccessible with heavy equipment and require modified suppression tactics. Risk to private property would be low.

Additional Compartment Information:

The following reports from the Inventory are attached:

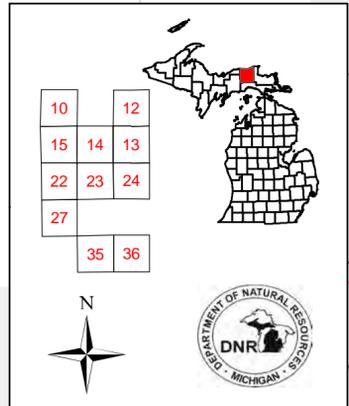
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

Compartment: 099
 T46N R12W Sections 10, 12-15, 22-24, 27, 35, 36
 County: Luce
 Unit: Newberry
 YOE: 2015
 Acres: 3,222 GIS Calculated
 Examiner: Ryan Mattila
 Map Revised: 10/01/2013
 Map Phase: Pre-Review



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

Legend

- Remonumented Section Corners
- Miris Corners
- Survey Grade
- PLSS Corner
- Gate
- Berms
- Bridges
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Railroads
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Treatments w/ Site Condition

Forest Stands

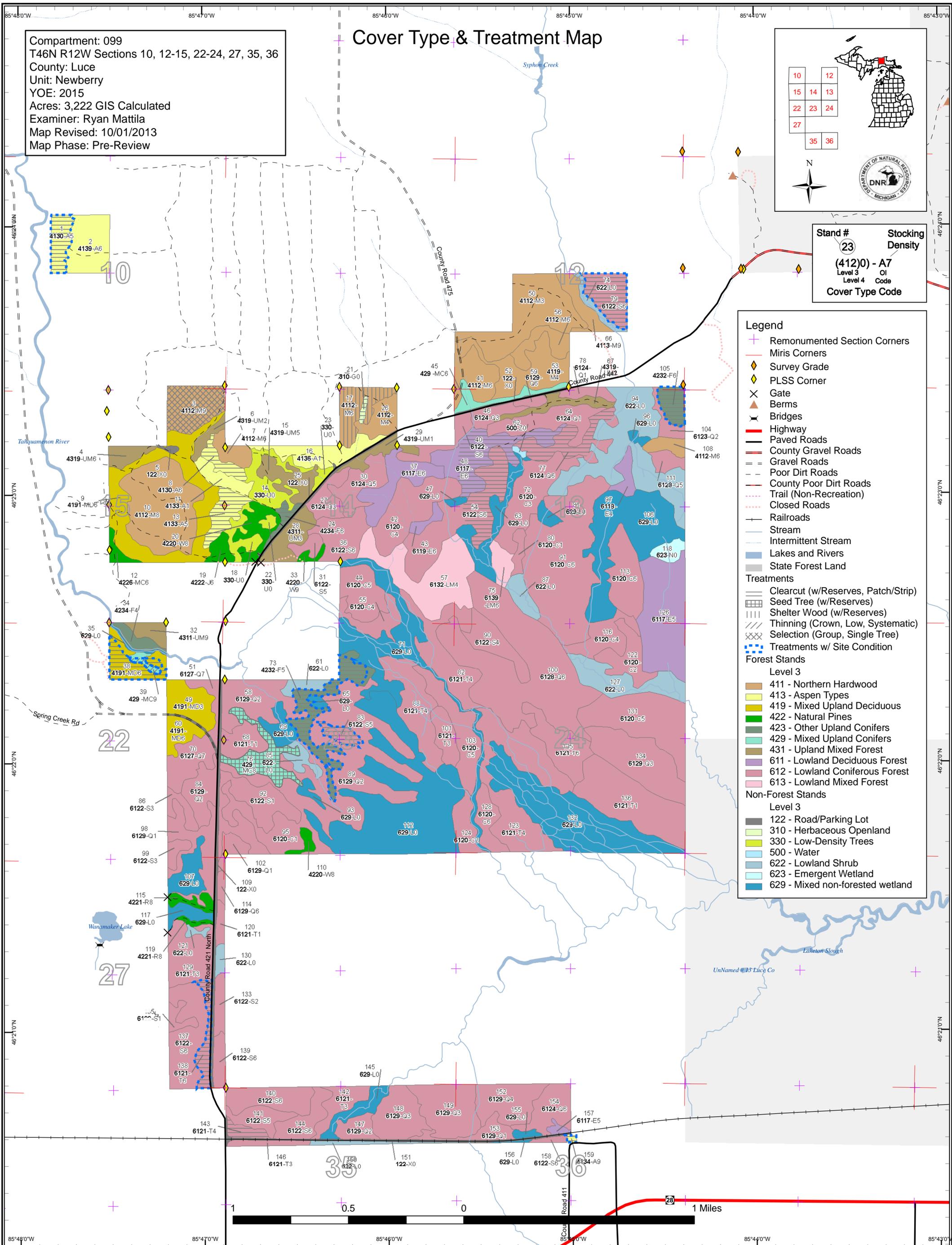
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed 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
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



85°48'0"W 85°47'0"W 85°46'0"W 85°45'0"W 85°44'0"W 85°43'0"W

46°23'0"N 46°22'0"N 46°21'0"N 46°20'0"N

1 0.5 0 1 Miles

Stand Boundary Map

Compartment: 099
 T46N R12W Sections 10, 12-15, 22-24, 27, 35, 36
 County: Luce
 Unit: Newberry
 YOE: 2015
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 Examiner: Ryan Mattila
 Map Revised: 10/01/2013
 Map Phase: Pre-Review

10	12
15	14 13
22	23 24
27	
	35 36

N

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

Legend

- Remonumented Section Corners
- Miris Corners
- Survey Grade
- PLSS Corner
- Gate
- Berms
- Bridges
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Railroads
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

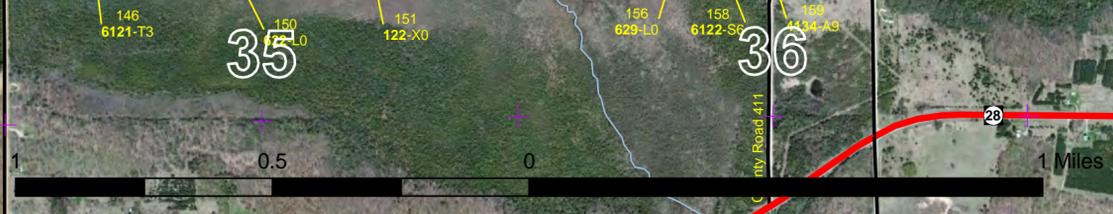
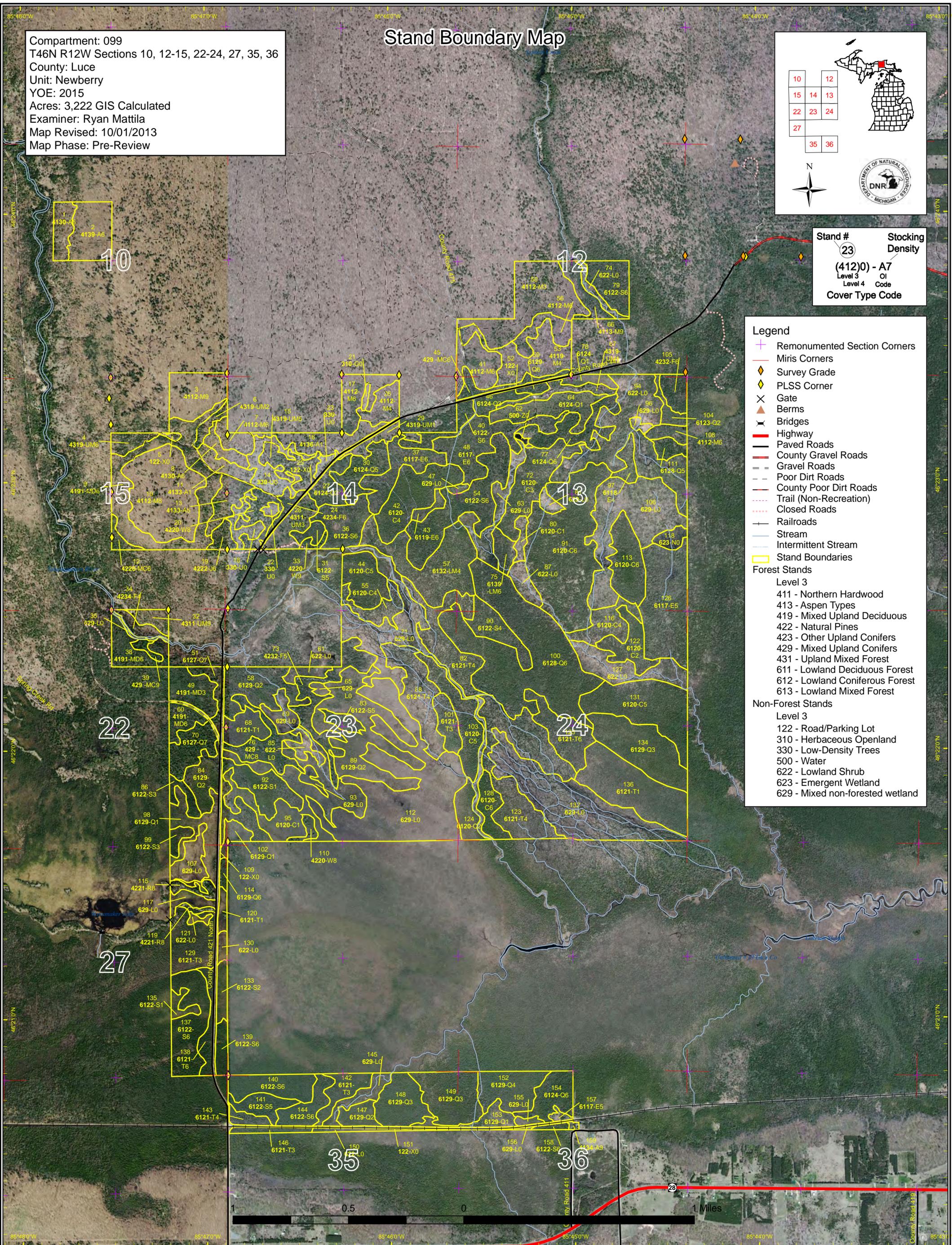
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Non-Forest Stands

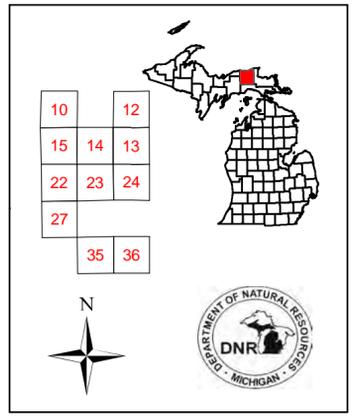
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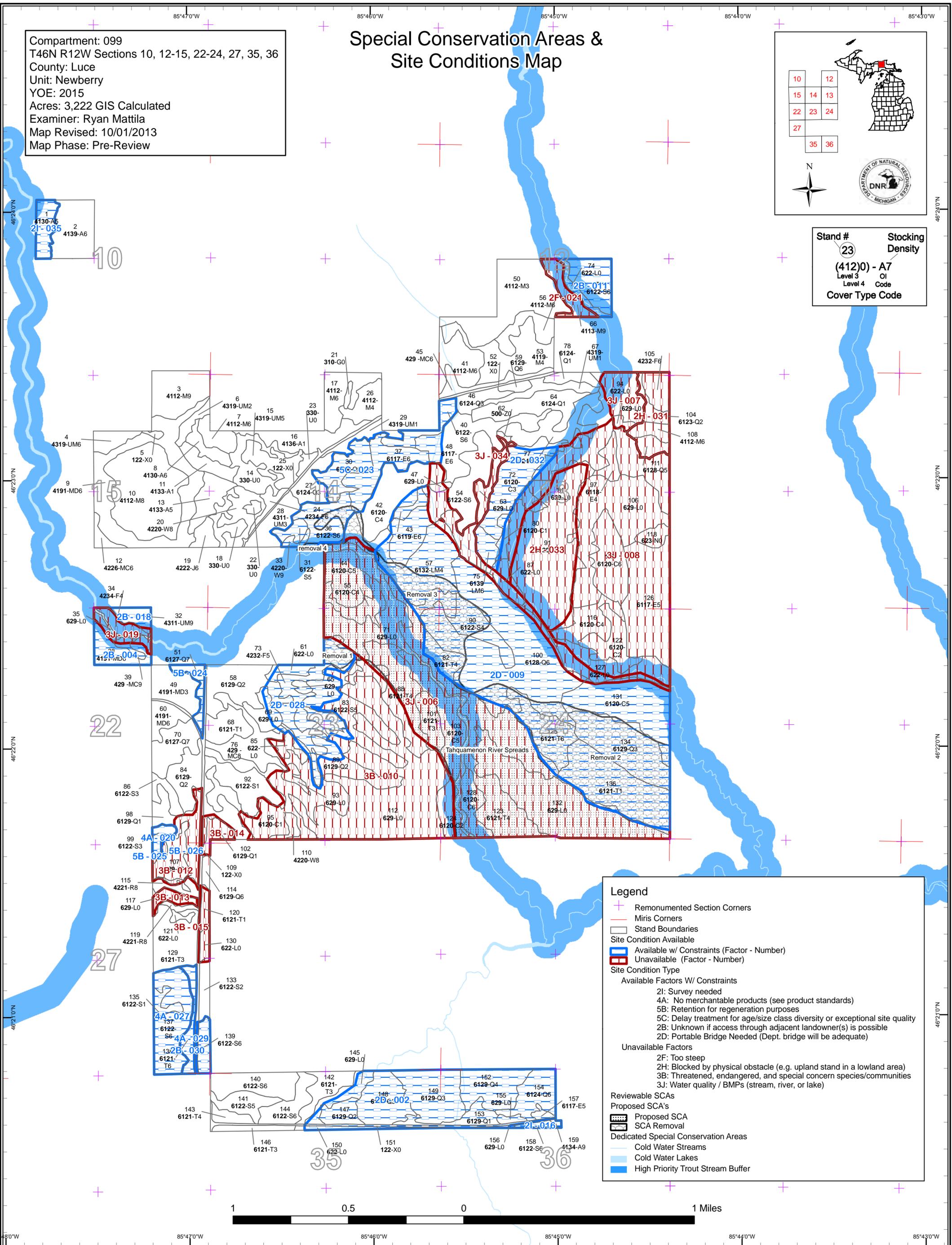


Special Conservation Areas & Site Conditions Map

Compartment: 099
 T46N R12W Sections 10, 12-15, 22-24, 27, 35, 36
 County: Luce
 Unit: Newberry
 YOE: 2015
 Acres: 3,222 GIS Calculated
 Examiner: Ryan Mattila
 Map Revised: 10/01/2013
 Map Phase: Pre-Review



Stand # **23** Stacking 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
 - 2I: Survey needed
 - 4A: No merchantable products (see product standards)
 - 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
 - 2D: Portable Bridge Needed (Dept. bridge will be adequate)
 - Unavailable Factors
 - 2F: Too steep
 - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 - 3B: Threatened, endangered, and special concern species/communities
 - 3J: Water quality / BMPs (stream, river, or lake)
- Reviewable SCAs
- Proposed SCAs
 - Proposed SCA
 - SCA Removal
- 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	22	0	10	28	0	0	21	15	0	0	0	0	0	0	96
Cedar	0	0	66	5	32	0	212	24	0	39	0	19	54	14	463
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Low-Density Trees	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Conifers	0	32	16	133	32	0	308	3	44	15	3	0	0	20	604
Lowland Deciduous	0	0	0	0	0	0	62	0	69	7	0	0	0	0	138
Lowland Mixed Forest	0	0	0	0	0	0	63	0	0	0	0	0	0	0	63
Lowland Shrub	566	0	0	0	0	0	0	0	0	0	0	0	0	0	566
Lowland Spruce/Fir	0	0	0	0	0	23	102	5	98	21	8	6	36	0	300
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	20	0	0	79	11	0	0	0	0	0	0	109
Natural Mixed Pines	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Northern Hardwood	0	0	54	0	0	0	112	0	0	104	0	12	0	0	282
Red Pine	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Tamarack	0	0	0	120	10	80	73	37	0	0	0	0	0	0	321
Upland Conifers	0	0	0	0	0	0	9	0	0	26	0	0	0	0	35
Upland Mixed Forest	9	27	0	8	5	25	0	0	0	0	0	0	0	0	75
Upland Spruce/Fir	0	0	0	0	0	0	7	5	31	11	0	0	0	0	54
Urban	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	15	0	0	0	0	4	2	0	0	21
Total	672	59	146	315	79	153	1056	100	242	222	15	40	90	33	3222



Report 2 – Proposed Treatment Summaries

Newberry Mgt. Unit
Year of Entry 2015

Compartment 099
Total Compartment Acres: 3,222

Acres by Treatment Type

Commercial Harvest - 291 Tree Planting - 0 Other - 0
 Habitat Cut - 1 Opening Maintenance - 0

Cover Type by Harvest Method

		<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
(Habitat Cut)Aspen Types	1	0	0	0	0	0	0	1
Aspen Types	35	0	0	0	0	0	0	35
Herbaceous Openland	2	0	0	0	0	0	0	2
Lowland Coniferous Forest	91	0	0	0	0	0	0	91
Lowland Deciduous Forest	31	0	0	0	0	0	0	31
Mixed Upland Conifers	0	0	23	0	2	0	0	25
Mixed Upland Deciduous	15	0	0	0	0	0	0	15
Northern Hardwood	0	28	0	20	0	0	0	48
Other Upland Conifers	44	0	0	0	0	0	0	44
Total	219	28	23	20	2	0	0	292



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	42099003-Cut	28.0	4112 - Maple, Beech, Cherry Association	High Density Log	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Harvest to 80 BA, target salvagable beech with scale, leave all hemlock and some beech

Specs:

Other leave hemlock (if it occurs) and other conifers in the stand for species diversity and for deer and moose cover. Other conifer species will be left
Comments: for gray jay benefit and for structural diversity. Beech snags will be retained for nesting locations as well as a few live beech of decent quality if they exist.

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and
Steps: paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

8	42099008-Cut	7.9	4130 - Aspen	High Density Pole	60		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut stand to regenerate aspen leave some white pine and mark aspen in red line for retention

Specs:

Other
Comments:

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and
Steps: paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

13	42099013-Cut	14.9	4133 - Aspen, Mixed Pine	Medium Density Pole	70		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut stand to regenerate aspen leave 1 white pine for every 2 ac harvested, scattered understory spruce, and mark aspen in red line for
Specs: retention

Other
Comments:

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and
Steps: paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

17	42099017-Cut	19.9	4112 - Maple, Beech, Cherry Association	High Density Pole	62	111-140	Harvest	Shelterwood	4113 - R.Maple, Conifer	Cmpt. Review Proposal
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Prescription mark to harvest to 60 BA, target salvagable beech with scale, leave all hemlock and some beech

Specs:

Other leave hemlock (if it occurs) and other conifers in the stand for species diversity and for deer and moose cover. Other conifer species will be left
Comments: for gray jay benefit and for structural diversity. Beech snags will be retained for nesting locations as well as a few live beech of decent quality if they exist. No firewood sales in this stand, given the intent of creating some brush piles for hare habitat.

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and
Steps: paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

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
24	42099024-Cut	5.1	42340 - Upland Spruce/Fir	High Density Pole	75		Harvest	Clearcut with Reserves	429 - Mixed Upland Conifers	Cmpt. Review Proposal

Prescription Clear cut to regenerate, mark mix of species in red line for retention

Specs:

Other

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

48	42099048-Cut	31.2	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	81	51-80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
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Prescription Clearcut stand to regenerate, leave all cedar and hemlock of present, leave some big aspen and white pine as they exist at about 1 tree for every

Specs: 2 ac harvested and portion of stand west of creek for retention

Other

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

54	42099054-Cut	26.8	6122 - Black Spruce	High Density Pole	80		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
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Prescription Clearcut stand to regenerate, leave all cedar and portion of stand west of creek for retention

Specs:

Other

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

76	42099076-Cut	22.9	429 - Mixed Upland Conifers	Medium Density Log	93	51-80	Harvest	Seed Tree with Reserves	429 - Mixed Upland Conifers	Cmpt. Review Proposal
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Prescription mark to harvest to 10-30 BA

Specs:

Other

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, tamarack, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
77	42099077-Cut	20.1	6124 - Lowland Spruce-Fir	High Density Pole	81		Harvest	Clearcut with Reserves	6124 - Lowland Spruce-Fir	Cmpt. Review Proposal

Prescription Clearcut stand to regenerate, leave all cedar and portion of stand east of creek for retention

Specs:

Other

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

143	42099143-Cut	5.8	6121 - Tamarack	Low Density Pole	67		Harvest	Clearcut	6121 - Tamarack	Cmpt. Review Proposal
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Prescription Clearcut no retention do to small acreage

Specs:

Other

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, tamarack, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

21	NF_42099021-Cut	1.6	310 - Herbaceous Openland				Harvest	Clearcut with Reserves	310 - Herbaceous Openland	Cmpt. Review Proposal
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Prescription Clearcut to maintain opening, leave all cherry

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 184.0**



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	42099001-Cut	12.5	4130 - Aspen	Medium Density Pole	66		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Clear cut, leave a minimum of 200' river buffer, when running river buffer stay on top of the slope. in addition to river buffer leave some super canopy trees for retention										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2I: Survey needed										
38	42099038-Cut	14.8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	69	81-110	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Clear cut stand to regenerate, leave all pine and buffer river 200ft for retention										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2B: Unknown if access through adjacent landowner(s) is possible										
39	42099039-Cut	2.0	429 - Mixed Upland Conifers	High Density Log	90	141- 170	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all White Spruce, Red maple, Balsam Fir, and Paper Birch mark pine to 120 residual ware needed, buffer river 200ft										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2B: Unknown if access through adjacent landowner(s) is possible										
73	42099073-Cut	28.7	42320 - Upland Spruce	Medium Density Pole	83		Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> clearcut stand to regenerate, leave white pine for retention										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2D: Portable Bridge Needed (Dept. bridge will be adequate)										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
79	42099079-Cut	21.0	6122 - Black Spruce	High Density Pole	92		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Clearcut to regenerate, leave all hemlock and cedar for retention										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and <u>Steps:</u> paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2B: Unknown if access through adjacent landowner(s) is possible										
83	42099083-Cut	6.4	6122 - Black Spruce	Medium Density Pole	115		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Clearcut stand to regenerate, leave all cedar except ware needed for operability										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and <u>Steps:</u> paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2D: Portable Bridge Needed (Dept. bridge will be adequate)										
105	42099105-Cut	10.6	42320 - Upland Spruce	High Density Pole	92		Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Clearcut to regenerate, leave mix of species in red line trees for retention										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and <u>Steps:</u> paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)										
138	42099138-Cut	11.0	6121 - Tamarack	High Density Pole	73		Harvest	Clearcut with Reserves	6121 - Tamarack	Cmpt. Review Proposal
<u>Prescription</u> Clearcut leaving any cedar found for retention no other retention										
<u>Specs:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and <u>Steps:</u> paper birch, basswood, tamarack, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
<u>Limiting Factor</u> 2B: Unknown if access through adjacent landowner(s) is possible										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
159	42099159-Cut	0.9	4134 - Aspen, Spruce/Fir	High Density Log	60		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal

Prescription Clearcut, no retention do to small acreage, servey needed

Specs:

Other

Comment:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

Start Date: 10/01/2014

Limiting Factor 2I: Survey needed

**Total Treatment
Acreage Proposed: 107.8**

Report 5 – Site Conditions

Newberry Mgt. Unit
Ryan Mattila : Examiner

Compartment 099
Year of Entry 2015

Availability for Management

Availability for Management			Dominant Site Conditions											
Total Acres	Acres Available	Acres Not Available		No	5C	5B	4A	3J	3B	2I	2H	2F	2D	2B
96	96		Aspen	83						13				
463	143	319	Cedar	53	0			178	55		87		90	
7	7		Jack Pine	7										
604	515	89	Lowland Conifers	156	20	9		9	67		13		330	
138	71	67	Lowland Deciduous	32	32			67					6	
63	57	6	Lowland Mixed Forest	7				6					50	
300	289	11	Lowland Spruce/Fir	128	39		54	7	3	2			45	21
108	104	4	Mixed Upland Deciduous	89				4						15
4	4		Natural Mixed Pines	4										
282	263	18	Northern Hardwood	263							7	12		1
8	7	1	Red Pine	7					1					
320	184	136	Tamarack	69				121	15				104	10
35	34	1	Upland Conifers	32				1						2
75	74	0	Upland Mixed Forest	66	1			0						7
54	35	18	Upland Spruce/Fir	5				7	1		11		30	0
21	17	4	White Pine	15	2				4					
2,577	1,903	675	Total Forested Acres	1,017	95	9	54	401	145	16	117	12	656	56
	74%	26%	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	Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Available		2D: Portable Bridge Needed (Dept. bridge will be adequate)	152	2E: Road needed	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)		
Comments:								

Report 5 – Site Conditions

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004	Available	2B: Unknown if access through adjacent landowner(s) is possible	17	2I: Survey needed	
Comments:					
006	Not Available	3J: Water quality / BMPs (stream, river, or lake)	349	3K: Rare or unique landforms	
Comments:					
007	Not Available	3J: Water quality / BMPs (stream, river, or lake)	22		
Comments:					
008	Not Available	3J: Water quality / BMPs (stream, river, or lake)	297	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2B: Unknown if access through adjacent landowner(s) is possible
Comments:					
009	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	420		
Comments:					
010	Not Available	3B: Threatened, endangered, and special concern species/communities	259	4A: No merchantable products (see product standards)	
Comments:					

Report 5 – Site Conditions

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011	Available	2B: Unknown if access through adjacent landowner(s) is possible	27	2D: Portable Bridge Needed (Dept. bridge will be adequate)	2I: Survey needed
Comments:					
012	Not Available	3B: Threatened, endangered, and special concern species/communities	31		
Comments:					
013	Not Available	3B: Threatened, endangered, and special concern species/communities	6		
Comments:					
014	Not Available	3B: Threatened, endangered, and special concern species/communities	9		
Comments:					
015	Not Available	3B: Threatened, endangered, and special concern species/communities	9		
Comments:					

Report 5 – Site Conditions

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016	Available	2I: Survey needed	4		
Comments:					
018	Available	2B: Unknown if access through adjacent landowner(s) is possible	8		
Comments:					
019	Not Available	3J: Water quality / BMPs (stream, river, or lake)	14	2F: Too steep	2B: Unknown if access through adjacent landowner(s) is possible
Comments:					
020	Available	4A: No merchantable products (see product standards)	5		
Comments: trees average DBH of 4"					
021	Not Available	2F: Too steep	12		
Comments:					
023	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	95		
Comments:					

Report 5 – Site Conditions

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024	Available	5B: Retention for regeneration purposes	8		
Comments:					
025	Available	5B: Retention for regeneration purposes	0		
Comments:					
026	Available	5B: Retention for regeneration purposes	1		
Comments:					
027	Available	4A: No merchantable products (see product standards)	42		
Comments:					
028	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	78	2I: Survey needed	
Comments:					
029	Available	4A: No merchantable products (see product standards)	9		
Comments:					

Report 5 – Site Conditions

Newberry Mgt. Unit
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030	Available	2B: Unknown if access through adjacent landowner(s) is possible	11	
Comments:				
031	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	30	2B: Unknown if access through adjacent landowner(s) is possible
Comments:				
032	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	44	
Comments:				
033	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	91	2D: Portable Bridge Needed (Dept. bridge will be adequate)
Comments:				
034	Not Available	3J: Water quality / BMPs (stream, river, or lake)	60	
Comments:				
035	Available	2I: Survey needed	13	
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
Tahquamenon River Spreads	Spring-Seeps, Riparian Areas	Riparian Area	SCA	344.5
Comments	Area is bisected with small branches of the Tahquamenon River			
removal 4	Spring-Seeps, Riparian Areas	Riparian Area	SCA Removal	1.8
Comments				
Removal 1	Spring-Seeps, Riparian Areas	Riparian Area	SCA Removal	8.2
Comments				
Removal 3	Spring-Seeps, Riparian Areas	Riparian Area	SCA Removal	77.0
Comments				
Removal 2	Spring-Seeps, Riparian Areas	Riparian Area	SCA Removal	149.3
Comments				



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 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	Newberry Mgt. Unit		Report 8 – Forested Stands			Compartment: 099 Year of Entry: 2015
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Medium Density Pole	12.5	66		
2	4139 - Aspen, Mixed Deciduous	High Density Pole	28.0	37		
3	4112 - Maple, Beech, Cherry Association	High Density Log	28.0	90	111-140	
4	4319 - Mixed Upland Forest	High Density Pole	8.5	34	51-80	
6	4319 - Mixed Upland Forest	Medium Density	5.4	48		
7	4112 - Maple, Beech, Cherry Association	High Density Pole	9.5	60	81-110	
8	4130 - Aspen	High Density Pole	7.9	60		
9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	59.4	60	81-110	
10	4112 - Maple, Beech, Cherry Association	Medium Density Log	68.7	90	81-110	
11	4133 - Aspen, Mixed Pine	Low Density Sapling	10.2	20		
12	42260 - Natural Pine, Mixed Deciduous	High Density Pole	4.4	50	81-110	
13	4133 - Aspen, Mixed Pine	Medium Density Pole	14.9	70		
15	4319 - Mixed Upland Forest	Medium Density Pole	17.0	55	51-80	
16	4136 - Aspen, Mixed Conifer	Low Density Sapling	21.9	5		
17	4112 - Maple, Beech, Cherry Association	High Density Pole	19.9	62	111-140	
19	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	6.6	55		
20	42200 - Natural White Pine	Medium Density Log	14.5	55	51-80	
24	42340 - Upland Spruce/Fir	High Density Pole	5.1	75		

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Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 099
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4112 - Maple, Beech, Cherry Association	Low Density Pole	13.1	62	1-50	
27	6124 - Lowland Spruce- Fir	High Density Sapling	13.4	34		
28	4311 - Pine, Aspen Mix	High Density Sapling	16.6	17		
29	4319 - Mixed Upland Forest	Low Density Sapling	8.9	5		
30	6124 - Lowland Spruce- Fir	Medium Density Pole	19.6	81		
31	6122 - Black Spruce	Medium Density Pole	5.5	89		New stand added.
32	4311 - Pine, Aspen Mix	High Density Log	7.7	52		
33	42200 - Natural White Pine	High Density Log	2.5	115	111-140	New stand added.
34	42340 - Upland Spruce/Fir	Low Density Pole	6.9	69		
36	6122 - Black Spruce	High Density Pole	23.5	80		
37	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	25.5	80		
38	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	19.1	69	81-110	
39	429 - Mixed Upland Conifers	High Density Log	3.1	90	141-170	
40	6122 - Black Spruce	High Density Pole	10.8	81		
41	4112 - Maple, Beech, Cherry Association	High Density Pole	20.8	65	51-80	
42	6120 - Lowland Cedar	Low Density Pole	38.7	97		
43	6119 - Mixed Lowland Deciduous Forest	High Density Pole	4.4	80	81-110	
44	6120 - Lowland Cedar	Medium Density Pole	23.9	70		

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Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 099
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	429 - Mixed Upland Conifers	High Density Pole	9.4	65		
46	6124 - Lowland Spruce- Fir	High Density Sapling	8.5	27		
48	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	38.8	81	51-80	
49	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	19.5	34		
50	4112 - Maple, Beech, Cherry Association	High Density Sapling	54.4	26	1-50	
51	6127 - Lowland Pine	Low Density Log	8.0	90	51-80	
53	4119 - Mixed Northern Hardwoods	Low Density Pole	35.0	65	51-80	
54	6122 - Black Spruce	High Density Pole	53.4	80		
55	6120 - Lowland Cedar	Low Density Pole	13.7	69		New stand added.
56	4112 - Maple, Beech, Cherry Association	High Density Pole	13.6	65	81-110	
57	6132 - Mixed Lowland Forest with Cedar	Low Density Pole	54.6	62		
58	6129 - Mixed Coniferous Lowland Forest	Medium Density	32.0	40		
59	6129 - Mixed Coniferous Lowland Forest	High Density Pole	3.2	71		New stand added.
60	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	10.6	70	51-80	
64	6124 - Lowland Spruce- Fir	Low Density Sapling	25.4	15		
66	4113 - R.Maple, Conifer	High Density Log	12.2	110	141-170	
67	4319 - Mixed Upland Forest	Low Density Sapling	10.7	15		New stand added.
68	6121 - Tamarack	Low Density Sapling	14.6	50		

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Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 099
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6127 - Lowland Pine	Low Density Log	20.0	Uneven Age	51-80	
6120 - Lowland Cedar	High Density Sapling	35.5	60		
42320 - Upland Spruce	Medium Density Pole	31.4	83		
6139 - Mixed Lowland Forest	High Density Pole	8.5	65		
429 - Mixed Upland Conifers	Medium Density Log	22.9	93	51-80	
6124 - Lowland Spruce- Fir	High Density Pole	24.4	81		
6124 - Lowland Spruce- Fir	Low Density Sapling	6.3	15		New stand added.
6122 - Black Spruce	High Density Pole	21.0	92		
6120 - Lowland Cedar	Low Density Sapling	5.1	30		Stand swapped from Non-Forested to Forested.
6121 - Tamarack	Low Density Pole	36.1	54		
6122 - Black Spruce	Medium Density Pole	6.4	115		New stand added.
6129 - Mixed Coniferous Lowland Forest	Medium Density	17.5	60		
6122 - Black Spruce	High Density Sapling	6.7	60		
6121 - Tamarack	Low Density Pole	35.6	30		
6129 - Mixed Coniferous Lowland Forest	Medium Density	67.1	30		
6122 - Black Spruce	Low Density Pole	19.2	69		New stand added.
6120 - Lowland Cedar	High Density Pole	105.7	62		New stand added.
6122 - Black Spruce	Low Density Sapling	37.1	60		

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Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 099
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
95	6120 - Lowland Cedar	Low Density Sapling	65.8	20		Stand swapped from Non-Forested to Forested.
97	6118 - Lowland Deciduous with Cedar	Low Density Pole	7.5	90	1-50	New stand added.
98	6129 - Mixed Coniferous Lowland Forest	Low Density Sapling	25.8	30		
99	6122 - Black Spruce	High Density Sapling	4.9	82		
100	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	135.5	61		
101	6121 - Tamarack	High Density Sapling	12.6	30		
102	6129 - Mixed Coniferous Lowland Forest	Low Density Sapling	7.0	20		Stand swapped from Non-Forested to Forested.
103	6120 - Lowland Cedar	Medium Density Pole	28.2	69		
104	6123 - Lowland Fir	Medium Density	6.3	30		New stand added.
105	42320 - Upland Spruce	High Density Pole	10.6	92		
108	4112 - Maple, Beech, Cherry Association	High Density Pole	6.9	90	81-110	New stand added.
110	42200 - Natural White Pine	Medium Density Log	3.9	100	51-80	
111	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	6.6	90		
113	6120 - Lowland Cedar	High Density Pole	28.6	60		
114	6129 - Mixed Coniferous Lowland Forest	High Density Pole	2.8	100		
115	42210 - Natural Red Pine	Medium Density Log	5.9	63	81-110	
116	6120 - Lowland Cedar	Low Density Pole	19.2	110		Stand swapped from Non-Forested to Forested.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
119	42210 - Natural Red Pine	Medium Density Log	2.1	63	1-50	
120	6121 - Tamarack	Low Density Sapling	4.4	40		
122	6120 - Lowland Cedar	Medium Density	19.1	40		New stand added.
123	6121 - Tamarack	Low Density Pole	67.7	62		New stand added.
124	6120 - Lowland Cedar	Medium Density	12.8	45		
125	6121 - Tamarack	High Density Pole	26.2	72		New stand added.
126	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	59.9	60	51-80	
128	6120 - Lowland Cedar	High Density Pole	13.5	Uneven Age		
129	6121 - Tamarack	High Density Sapling	29.1	53		
131	6120 - Lowland Cedar	Medium Density Pole	53.5	156		
133	6122 - Black Spruce	Medium Density	7.5	50		
134	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	46.3	65		New stand added.
135	6122 - Black Spruce	Low Density Sapling	5.2	73		
136	6121 - Tamarack	Low Density Sapling	58.2	35		New stand added.
137	6122 - Black Spruce	High Density Pole	36.4	138		
138	6121 - Tamarack	High Density Pole	11.0	73		New stand added.
139	6122 - Black Spruce	High Density Pole	7.8	100		
140	6122 - Black Spruce	High Density Pole	23.6	66		

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Newberry Mgt. Unit

Report 8 – Forested Stands

Compartment: 099
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
141	6122 - Black Spruce	Medium Density Pole	13.1	64		
142	6121 - Tamarack	High Density Sapling	14.0	30		
143	6121 - Tamarack	Low Density Pole	5.8	67		
144	6122 - Black Spruce	High Density Pole	16.0	59		
146	6121 - Tamarack	High Density Sapling	5.5	40		
147	6129 - Mixed Coniferous Lowland Forest	Medium Density	9.7	30		
148	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	26.1	60		
149	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	34.8	60		
152	6129 - Mixed Coniferous Lowland Forest	Low Density Pole	27.2	60		
153	6129 - Mixed Coniferous Lowland Forest	Low Density Sapling	10.8	30		
154	6124 - Lowland Spruce- Fir	High Density Pole	20.2	60		
157	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	2.1	60		Stand swapped from Non-Forested to Forested.
158	6122 - Black Spruce	High Density Pole	2.3	60		
159	4134 - Aspen, Spruce/Fir	High Density Log	0.9	60		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	122 - Road/Parking Lot	1.2	Unspecified	Unspecified	
14	330 - Low-Density Trees	18.9	Unspecified	Unspecified	
18	330 - Low-Density Trees	9.4	Unspecified	Unspecified	
21	310 - Herbaceous Openland	1.6	Unspecified	Unspecified	
22	330 - Low-Density Trees	2.1			
23	330 - Low-Density Trees	2.7	Unspecified	Unspecified	
25	122 - Road/Parking Lot	5.0	Unspecified	Unspecified	
35	629 - Mixed non-forested wetland	1.9	Unspecified	Unspecified	
47	629 - Mixed non-forested wetland	1.9	Unspecified	Unspecified	
52	122 - Road/Parking Lot	3.3	Unspecified	Unspecified	Stand swapped from Non-Forested to Forested. Stand swapped from Forested to Non-Forested.
61	622 - Lowland Shrub	5.7			
62	50 - Water	1.0	Unspecified	Unspecified	
63	629 - Mixed non-forested wetland	21.8	Unspecified	Unspecified	
65	629 - Mixed non-forested wetland	2.2	Unspecified	Unspecified	
69	629 - Mixed non-forested wetland	10.0	Unspecified	Unspecified	
71	629 - Mixed non-forested wetland	60.9	Unspecified	Unspecified	
74	622 - Lowland Shrub	5.2	Unspecified	Unspecified	
81	629 - Mixed non-forested wetland	4.1	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
85	622 - Lowland Shrub	6.6	Unspecified	Unspecified	
87	622 - Lowland Shrub	9.3			
93	629 - Mixed non-forested wetland	3.7	Unspecified	Unspecified	
94	622 - Lowland Shrub	75.1	Unspecified	Unspecified	Stand swapped from Forested to Non-Forested.
96	629 - Mixed non-forested wetland	2.4	Unspecified	Unspecified	
106	629 - Mixed non-forested wetland	68.0	Unspecified	Unspecified	
107	629 - Mixed non-forested wetland	13.9			
109	122 - Road/Parking Lot	15.0	Unspecified	Unspecified	
112	629 - Mixed non-forested wetland	128.9			
117	629 - Mixed non-forested wetland	7.2	Unspecified	Unspecified	Stand swapped from Forested to Non-Forested.
118	623 - Emergent Wetland	6.4			
121	622 - Lowland Shrub	1.9	Unspecified	Unspecified	
127	622 - Lowland Shrub	28.7	Unspecified	Unspecified	
130	622 - Lowland Shrub	3.3	Unspecified	Unspecified	
132	629 - Mixed non-forested wetland	84.3	Unspecified	Unspecified	
145	629 - Mixed non-forested wetland	11.3	Unspecified	Unspecified	
150	622 - Lowland Shrub	4.5	Unspecified	Unspecified	
151	122 - Road/Parking Lot	8.7	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
155	629 - Mixed non-forested wetland	2.3	Unspecified	Unspecified	
156	629 - Mixed non-forested wetland	0.8	Unspecified	Unspecified	