



Newberry Forest Management Unit
Compartment Review Presentation
Compartment #42047 Entry Year: 2013
Compartment Acreage: 2262 County: Luce

Revision Date: 09/13/11

Stand Examiner: Jason A. Tokar

Legal Description: T48N R8W Sections 4, 5, 7-10

RMU (if applicable): This compartment is located within the Charcoal Grade Management Area. For further description of this management area, go to the following web site:

http://www.midnr.com/publications/pdfs/forestslandwater/Ecosystem/EUP/final-MAsummaries/05_Charcoal_Grade_MA_summary_3_20.pdf

Management Goals: Maintain or enhance the forest health, productivity, and diversity of the area through proper management. Enhance age class diversity and ensure sustainability in the forest cover types as well as improve the quality of wildlife habitat through continued timber harvest treatments. Aspen management will continue with the current sustainable level of management to promote both age class and structural diversity.

Soil and Topography: The dominant soil types in the eastern reaches of the compartment are Carbondale, Lupton and Tawas mucks, Markey mucky peat, and Dawson, Greenwood and Loxley peats. Associated cover types of cedar, swamp conifer, and lowland brush. Along M-123 and in the western and northern portions of the compartment, soil types of Bodi-Chesborough silt loam, Bodi silt loam, Auger silt loam, and minor areas of Wallace sand support the cover types of aspen, northern hardwoods and hemlock and white pine. The topography is mostly level to slightly rolling, with slight to steep topographical changes in the northern reaches of the compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is comprised almost entirely of State land with just a couple of private parcels within the boundary. State land borders the compartment to the north, south, and west. Tahquamenon Falls State Park is adjacent to the compartment to the east. A portion of this compartment was transferred to TFSP ownership since the last inventory. Development in and around the compartment is low due to the large amount of State land in the vicinity. Several small camps are located around the compartment boundary, particularly along the Tahquamenon River. The main types of land use in the area are hunting, fishing, ORV and snowmobile riding.

Unique, Natural Features: MNFI lists the potential for rare plants of rich mesic forests: assiniboia sedge, showy orchis, ginseng, and goblin fern. Potential for English sundew, northern prostrate clubmoss, small yellow pond lily, lake cress, alternate-leaved water-milfoil, American shore-grass, moor rush, alga pondweed, meadow beauty and paniced screw-stem along shorelines, bogs and marshes. Potential for red-shouldered hawk, goshawk, merlin, great blue heron rookery, eagle, and osprey. Potential for incurvate emerald, ebony boghaunter, Frigga fritillary, and Freija fritillary in bogs.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Fisheries Division has concerns regarding the beaver activity along the branches of the Linton Creek and its affect on the quality of the trout stream(s). All management prescriptions adjacent to these corridors will reflect this consideration.

Watershed and Fisheries Considerations:

Fisheries Values: Poor

Fisheries Concerns: Callam and Linton Creeks are located in this compartment. Neither stream would be affected by the treatments prescribed in this compartment, so Fisheries has no concerns at this time.

Wildlife Habitat Considerations: Compartment 47 lies in north eastern Luce county in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The western portion of the compartment is largely young aspen and some mixed conifer whereas the eastern portion is more lowland types consisting of treed bogs, mixed conifer, mixed deciduous and cedar. Linton creek runs through a portion of the compartment and provides a good travel corridor for wildlife.

Conifer components of aspen stands are commonly retained during harvest to increase stand diversity, provide nesting, denning and forage sites and cover for wildlife species such as black bear and marten (both featured species), warblers, roosting owls, and nuthatches. Large diameter aspen will occasionally be retained to provide food sources (ruffed grouse) and later snags and den trees for wildlife such as cavity nesting birds (flicker, woodpeckers, chickadees) and coarse woody debris for marten and small mammals.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 2 - 5 and 7 - 10, T48N-R8W, Luce County

Surface sediments consist of lacustrine (lake) sand and gravel, end moraines of coarse-textured till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Cambrian Munising and Trempealeau Formations subcrop below the glacial drift. The Trempealeau could be used for stone. Gravel pits are located five miles to the northeast and potential may be good in the southwest corner. There is no economic oil and gas production in the UP.

Vehicle Access: The compartment is approximately 20 miles north of Newberry with M-123 bordering to the south and County Rd 500 on the west. Access to the interior of the compartment is limited and is mainly seasonal via a gated snowmobile trail/road and various other closed roads.

Survey Needs: No survey work is needed to complete the prescribed treatments.

Recreational Facilities and Opportunities: The only designated recreational facility within the compartment is snowmobile trail #45. Other recreational opportunities would include hunting, ORV riding, and wildlife viewing. The North Country Trail (hiking trail) is located just to the east of the compartment within the Tahquamenon Fall State Park.

Fire Protection: Low amount of hazardous fuel types will keep the potential for large fire growth low. The variety of fuel types, soil and terrain may require modified suppression tactics for fires in the compartment.

Additional Compartment Information:

➤ **The following reports from the Inventory are attached:**

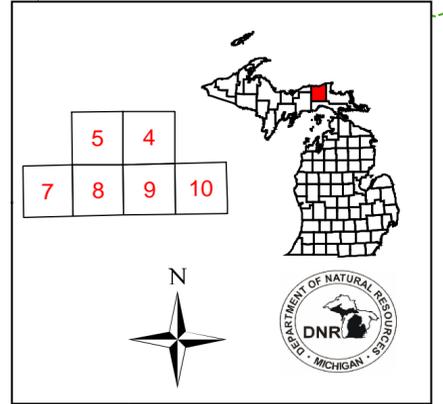
- ◆ **Total Acres by Cover Type and Age Class**
- ◆ **Proposed Treatment Summary**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**

- ◆ **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**
-

Cover Type & Treatment Map

Compartment 047
 T48N, R08W, Sec. 4, 5, 7-10
 County: Luce
 Unit: Newberry
 YOY: 2013
 Acres: 2,262 GIS Calculated
 Stand Examiner: Ben Travis & Jason Tokar
 Map Revised: 10/31/2011
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Remonumented Section Corners
- Survey Corners
- Berms
- Gates
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- State Highway
- Ski Trail
- Hiking Trail
- Snowmobile Trail
- Stream
- Intermittent Stream

Treatments

- Clearcut (w/Reserves, Patch/Strip)

Forest Stands

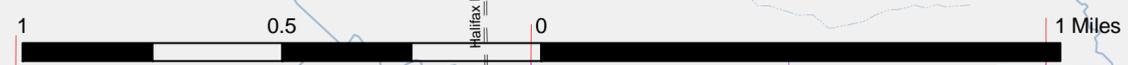
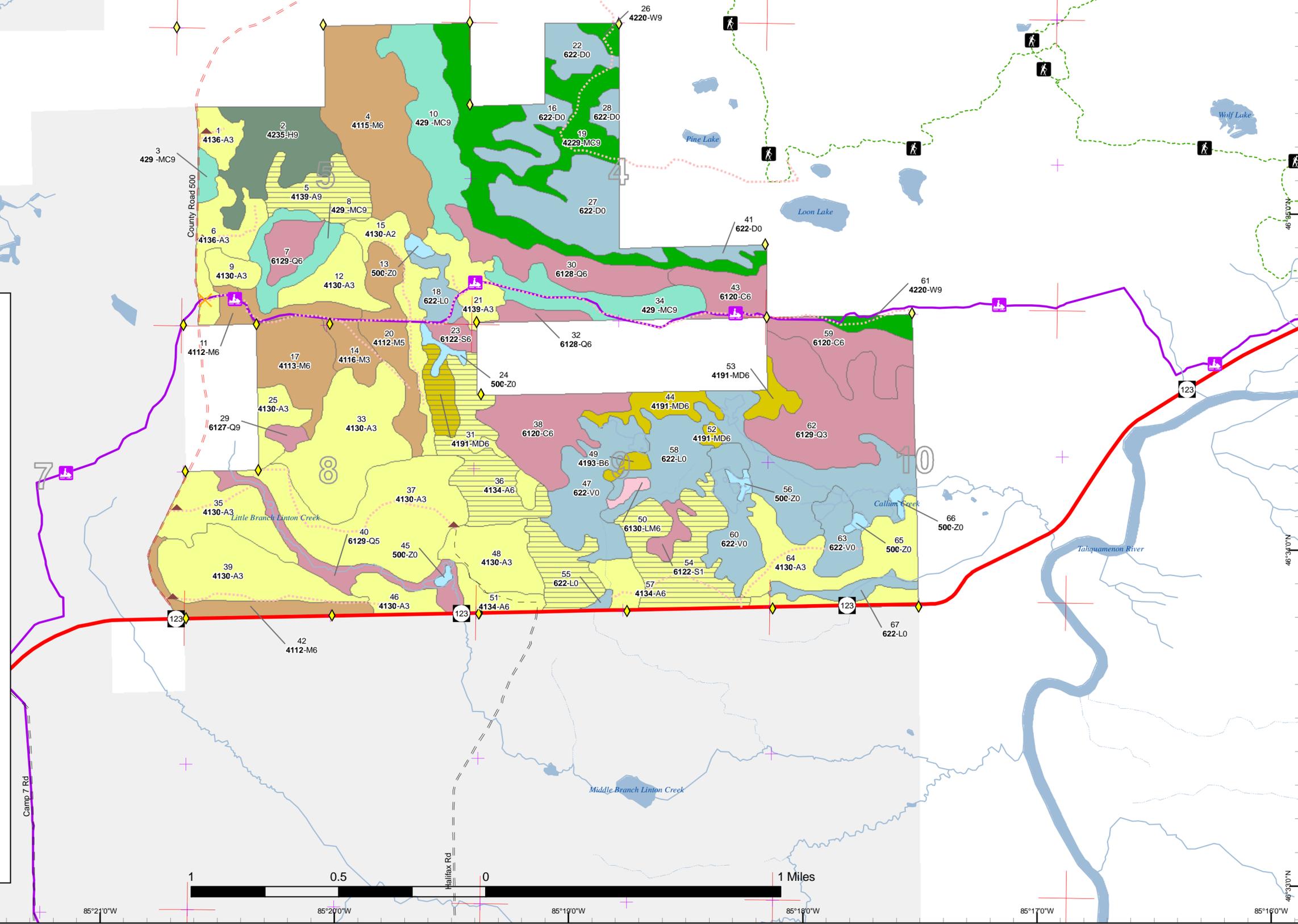
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

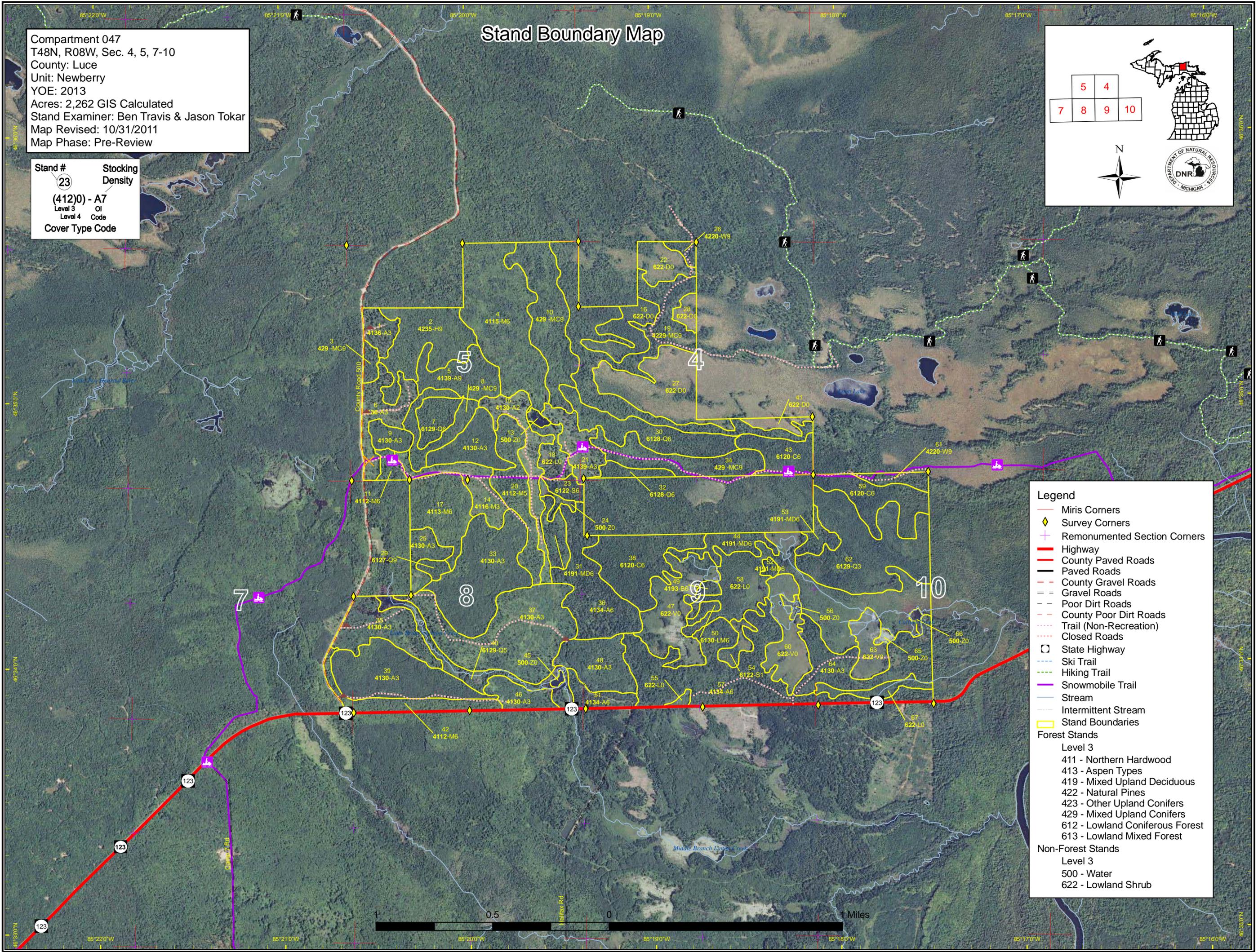
- 500 - Water
- 622 - Lowland Shrub
- State Forest Land



Stand Boundary Map

Compartment 047
 T48N, R08W, Sec. 4, 5, 7-10
 County: Luce
 Unit: Newberry
 YOE: 2013
 Acres: 2,262 GIS Calculated
 Stand Examiner: Ben Travis & Jason Tokar
 Map Revised: 10/31/2011
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Survey Corners
- Remunemented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- State Highway
- Ski Trail
- Hiking Trail
- Snowmobile Trail
- Stream
- Intermittent Stream
- Stand Boundaries

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
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

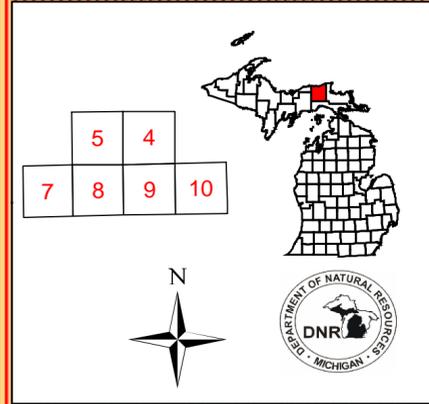
Level 3

- 500 - Water
- 622 - Lowland Shrub

Dedicated & Proposed Special Conservation Area Map

Compartment 047
 T48N, R08W, Sec. 4, 5, 7-10
 County: Luce
 Unit: Newberry
 YOE: 2013
 Acres: 2,262 GIS Calculated
 Stand Examiner: Ben Travis & Jason Tokar
 Map Revised: 10/31/2011
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Proposed Special Conservation Areas**
 - SCA - Special Conservation Area
 - SCA Removal
- Dedicated Special Conservation Areas**
 - Visual Management Areas
 - Non_Dedicated Natural Areas and National Natural Landmarks
 - Cold Water Streams
- 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
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
 - Level 3**
 - 500 - Water
 - 622 - Lowland Shrub

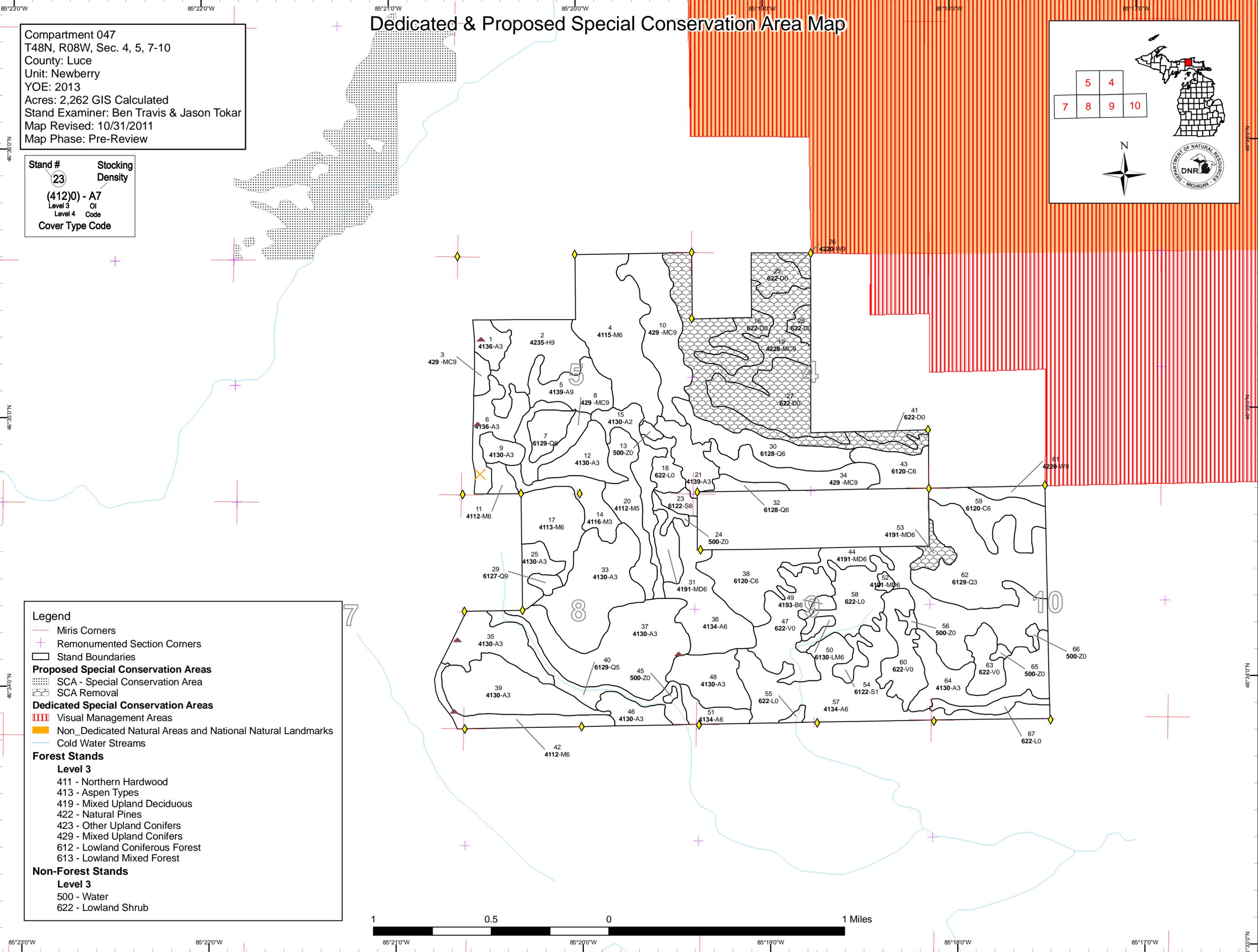
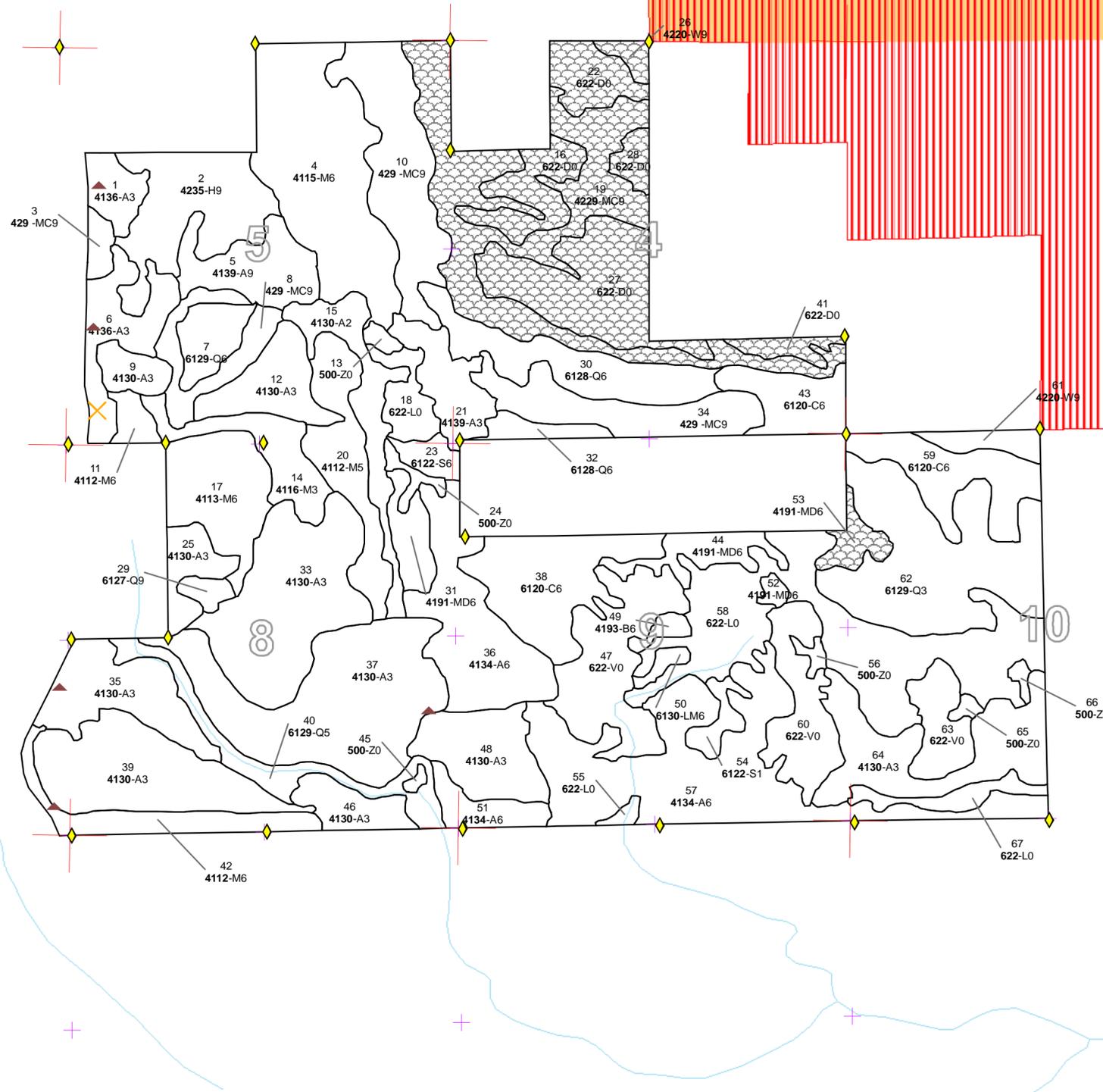


Table 1 – Total Acres by Cover Type and Age Class



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Unretn Age
Aspen	0	281	247	69	0	0	15	130	64	34	0	0	0	0	0	840
Bog	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118
Cedar	0	0	0	0	0	0	0	0	0	0	0	58	0	67	0	124
Hemlock	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	59
Lowland Conifers	0	0	0	0	102	0	0	0	37	18	0	57	0	0	0	214
Lowland Mixed Forest	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Lowland Shrub	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154
Lowland Spruce/Fir	0	0	0	0	9	0	0	0	9	0	0	0	0	0	0	18
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	48
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	120	0	0	0	120
Northern Hardwood	0	29	0	0	0	0	0	0	0	231	0	0	0	0	0	260
Paper Birch	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Treed Bog	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126
Upland Conifers	0	0	0	0	0	0	0	7	0	0	68	65	0	0	0	139
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
White Pine	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	16
Total	415	310	247	69	111	0	15	136	166	283	127	315	0	67	0	2262



Table 2 – Proposed Treatment Summaries

Newberry Mgt. Unit
Year of Entry 2013

Compartment 047
Total Compartment Acres: 2262

Acres by Treatment Type

Commercial Harvest - 207	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	191	0	0	0	0	0	191
Mixed Upland Deciduous	16	0	0	0	0	0	16
Total	207	0	0	0	0	0	207



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	42047005-Cut	34.4	4139 - Aspen, Mixed Deciduous	High Density Log	82	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Final harvest recommended. Clearcut with reserves. Winter harvest due to soils present adjacent to and within harvest area. Access from the
Specs: south. Retention to be in pockets not to exceed 5% of treatment area. Leave 5-10 scattered hemlock. Leave some large aspen as red line trees.

Other
Comments:

Next
Steps: Monitor for success of desired regeneration. Acceptable regeneration is aspen with mixed hardwoods.

31	42047031-Cut	15.8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	71	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
----	--------------	------	--	-------------------	----	---------	---------------------------	----------------------------------	--------------------------

Prescription Clearcut with reserves. Conversion to aspen. Reserves/retention will be a few scattered hemlock and cedar. Leave some large aspen as red
Specs: line trees on east side of stand. Stand will convert to aspen, with a component of all other species currently present.

Other
Comments:

Next
Steps: Monitor for success of desired regeneration. Management objective of aspen with hardwoods, spruce, hemlock and cedar.

36	42047036-Cut	56.9	4134 - Aspen, Spruce/Fir	High Density Pole	73	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
----	--------------	------	-----------------------------	-------------------	----	---------	---------------------------	-----------------------------	--------------------------

Prescription Harvest the portions of the stand that are heavier to aspen, mature. Clearcut with reserves. Retention will be satisfied with younger spruce
Specs: portions of the stand being retained (approximate areas delineated). Those areas will contain aspen and other species. Leave a few scattered
spruce and large aspen on west side along young aspen (red line trees). Heavy soils, winter harvest.

Other
Comments:

Next
Steps: Monitor for success of desired regeneration. Acceptable regeneration of aspen with spruce, balsam and maple.

57	42047057-Cut	100.0	4134 - Aspen, Spruce/Fir	High Density Pole	62	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
----	--------------	-------	-----------------------------	-------------------	----	---------	---------------------------	-----------------------------	--------------------------

Prescription Clearcut with reserves. Retention will be within the portions of the stand outside of the treatment areas (approx areas are delineated). Edges
Specs: thick to spruce along lowland stands may be retained as well. Leave approximately 10 scattered large aspen or white birch. Winter harvest due
to visual concerns along highway and lower ground areas in stand.

Other
Comments:

Next
Steps: Monitor for success of regeneration. Management objective of aspen with hardwoods/conifer mix.

**Total Treatment
Acreage Proposed: 207.1**

S
t
a
n
d

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	------------------	--------------	-----------	----------------	------------------	----------------------	-----------------

#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0

**Out of YOE -- Treatments
Prescribed with No Limiting Factor**

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
42045001-Cut	3.9	42210 - Natural Red Pine	High Density Log	89	Harvest	Seed Tree	42210 - Natural Red Pine	Cmpt. Review Proposal

Prescription: Harvest site to imitate a catastrophic crown fire by "clear-cutting all but a patchy mosaic of pine trees and clumps of trees to serve as seed trees"
Specs: (MNFI). Focus on the 8-18 inch DBH class. Residual BA 10-20 to allow for successful pine regeneration.

Other Comments: This stand is identified by MNFI as a Dry Northern Forest. Move some of the Hemlock and Yellow Birch logs into stand 34 for Hemlock regeneration nurse logs.

Next Steps: Burn the harvested area in the spring to reduce slash, hardwood competition, and to expose the mineral soil. This should be done within 2-3 years after the completion of any harvesting activities. If the site is not burned within the time frame, scarify site to promote pine regeneration. If scarification fails, plant red pine. Acceptable regeneration mix is RP and a small component of WP.

**Total Treatment
Acreage Proposed: 3.9**



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4136 - Aspen, Mixed Conifer	High Density Sapling	14.6	3		Stand harvested as sale #031-03. Completed 2008. Good component of residual hemlock, white pine, white spruce left after the harvest. Red maple stump sprouts and aspen regeneration coming in. Occasional hemlock sapling.
2	42350 - Upland Hemlock	High Density Log	59.2	95		Variable stand. More balsam and lower ground in southern portions of stand. Stand is healthy overall. Check in 10 yrs.
3	429 - Mixed Upland Conifers	High Density Log	6.6	68		Stand was cut as a log job as sale #17-93.
4	4115 - Y.Birch, Hemlock NH	High Density Pole	106.3	81	111-140	Primarily 7-8 inch red maple with hemlock pockets. Scattered large diameter aspen. Beech is dying out of the stand. Scattered yellow birch. Steep ridges and drainages. Very difficult to access for any management. Several 1-2 acre pockets of aspen throughout. Stand is of moderate to low quality.
5	4139 - Aspen, Mixed Deciduous	High Density Log	34.4	82	111-140	Large diameter, overmature aspen over low quality red maple. Scattered white spruce, yellow birch and hemlock. Occasional white pine. Heavy soils.
6	4136 - Aspen, Mixed Conifer	High Density Sapling	33.3	3		Stand was harvested as sale #031-03. Completed in 2008. Regenerating mainly to aspen and red maple with some balsam, white birch. Residual hemlock, white pine, yellow birch, beech and white spruce following the harvest, acting as supercanopy trees right now.
7	6129 - Mixed Coniferous Lowland Forest	High Density Pole	17.9	85		Wetter ground, boggy. Higher tamarack component than adjacent stand.
8	429 - Mixed Upland Conifers	High Density Log	24.2	95		Large diameter hemlock and white pine stand.
9	4130 - Aspen	High Density Sapling	12.1	13		Stand harvested in 1998 as sale #013-93. Nice aspen regeneration, young aspen stand.
10	429 - Mixed Upland Conifers	High Density Log	64.8	104		Hemlock and white pine with components of red maple, black spruce and cedar. Very steep topography throughout. Ridges and ravines. Difficult access and management.
11	4112 - Maple, Beech, Cherry Association	High Density Pole	7.9	85	51-80	Stand thinned in 2008 as sale #031-03. Mix of hard maple and red maple. Minor component of hemlock. Good maple and aspen regeneration.
12	4130 - Aspen	High Density Sapling	29.7	13		Stand harvested as sale #013-93. Completed in 1998. Nice thick aspen stand. Residual hemlock and white pine serve as supercanopy trees currently.
14	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	29.1	3		Stand harvested as sale #031-03. Completed in 2008. Was typed as northern hardwoods prior to harvest. Converted over to a mix of hardwoods and aspen. Residual hemlock and yellow birch throughout the stand.

S
t
a
n
d

Newberry Mgt. Unit

5 – Forested Stands

Compartment: 047
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	4130 - Aspen	Medium Density	34.9	3		Stand harvested as sale #031-03. Completed in 2008. Mainly aspen and red maple regeneration. Small beaver pond in the north end of the stand.
17	4113 - R.Maple, Conifer	High Density Pole	45.9	85	111-140	Red maple with hemlock and spruce. Component of white pine, yellow birch, aspen and white birch. Aspen was removed from stand in 2001. Overall quality of the stand is moderate. Best quality is in the 8 inch red maple. Quality decreases as move west through stand as stand gets "lower". Northwest corner of the stand transitions to a treed bog.
19	42290 - Natural Mixed Pine	High Density Log	119.9	104		White pine stand, varies from high steep ridge to lower areas with white pine and red maple. Mixture of species within the stand. Component of white birch also within the stand.
20	4112 - Maple, Beech, Cherry Association	Medium Density Pole	42.5	85	51-80	Stand thinned as sale #031-03. Completed in 2008. Good maple regeneration, aspen and some balsam. Component of yellow birch in stand. Beech is almost completed dead within the stand.
21	4139 - Aspen, Mixed Deciduous	High Density Sapling	26.7	3		Stand harvested as sale #031-03. Completed in 2008. Regeneration is 5-10 ft tall. Mix of aspen, red maple, white spruce, balsam, cherry. Patchy regeneration in the northeast portion of the stand.
23	6122 - Black Spruce	High Density Pole	8.6	71		
25	4130 - Aspen	High Density Sapling	17.0	5		Stand harvested as sale #40-03. Completed in 2006. Young aspen with red maple stump sprouts. Residual hemlock and maple. Scattered baslam and spruce regeneration.
26	42200 - Natural White Pine	High Density Log	5.5	104		
29	6127 - Lowland Pine	High Density Log	5.6	74	111-140	White pine stand with hemlock, black spruce, red maple. Slight component of yellow birch and cedar. Nice stand of diversity with the aspen area.
30	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	47.8	106		Low quality site. Lots of suppressed trees. Very wet.
31	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	15.8	71	141-170	Hardwoods (red maple) with a component of aspen, white spruce, hemlock, balsam, cedar and beech. Beech is dying out. Red maple is low quality. Aspen is showing signs of decline and mortality. Hemlock and spruce are healthy. Small acreage stand.
32	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.3	106		
33	4130 - Aspen	High Density Sapling	87.9	15		Young aspen stand, 3-4 in dbh on average. Component of hard maple, red maple, white birch and balsam. Some residual pole size red maple and a few spruce.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	429 - Mixed Upland Conifers	High Density Log	43.7	95		Ridge of hemlock, red maple, white pine, and spruce. Components of balsam, occasional white birch and black spruce. Snowmobile trail runs the length of the stand along the ridge.
35	4130 - Aspen	High Density Sapling	43.7	5		Stand harvested as sale #032-03. Completed in 2006. Primarily aspen regeneration 10 ft tall on average. Red maple, balsam and white birch regeneration as well. Residual white pine, hemlock, and white spruce from harvest. Lots of beaver activity in northwest portion of the stand near Co Rd 500.
36	4134 - Aspen, Spruce/Fir	High Density Pole	64.1	73	111-140	Mature aspen with high component of spruce and balsam. Center and SW portions of the stand are heavier to aspen with open understory. Northern and eastern areas are heavier to younger black spruce with an aspen component. Component of white spruce, balsam, red maple, cedar and white birch throughout the stand. Aspen in the stand is mature, showing some signs of decline.
37	4130 - Aspen	High Density Sapling	110.4	5		Stand harvested as sale #040-03. Completed in 2006. Young, well stocked aspen stand. Up to 20 ft tall regeneration. Component of red maple and hard maple. Residual spruce and maple left after harvest.
38	6120 - Lowland Cedar	High Density Pole	57.6	106		Lowland cedar stand. Variable density throughout.
39	4130 - Aspen	High Density Sapling	69.1	25		Nice, young aspen stand. Stand was harvested in 1986 as sale #023-83. Mixture of white birch, red maple, spruce and balsam within the stand. Minor component of black cherry. Stand is bordering on transitioning from a sapling stand to a pole stand.
40	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	31.4	75		Stream corridor for Middle Branch Linton Creek. Semi open canopy.
42	4112 - Maple, Beech, Cherry Association	High Density Pole	28.0	85	81-110	Stand thinned as sale #032-03. Completed in 2006. Pole size red maple stand with component of hard maple, yellow birch, hemlock, beech. Good regeneration of aspen, maple, beech and balsam.
43	6120 - Lowland Cedar	High Density Pole	26.6	150		
44	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	18.4	71		
46	4130 - Aspen	High Density Sapling	18.2	15		Stand harvested as sale #032-03. Completed in 1996. Good aspen regeneration with red maple, white birch and balsam. Residual white spruce left after harvest acting as supercanopy trees. Some blowdown.
48	4130 - Aspen	High Density Sapling	38.8	18		Young aspen stand beginning to transition from a sapling stand to a pole stand. Component of balsam, white spruce and red maple.

S
t
a
n
d

Newberry Mgt. Unit

5 – Forested Stands

Compartment: 047
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	4193 - Birch, Aspen	High Density Pole	4.7	71		
50	6130 - Fir, Aspen, Maple	High Density Pole	4.0	75		
51	4134 - Aspen, Spruce/Fir	High Density Pole	15.3	56	81-110	Mature aspen stand along M-123 north of Halifax Road. Good component of balsam and white spruce. Slight component of red maple. Portion of the stand is part of the adjacent stand that was not harvested.
52	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	2.9	71		
53	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	10.7	71		
54	6122 - Black Spruce	Low Density Sapling	9.0	30		
57	4134 - Aspen, Spruce/Fir	High Density Pole	129.5	62	111-140	Mature aspen stand. Pockets of variability throughout the stand. Spruce along the stand edges near lowlands. Lower areas in stand have more hardwoods and some cedar. Aspen is showing decline and dieback. Old roadbed running east and west through the stand.
59	6120 - Lowland Cedar	High Density Pole	40.1	150		
61	42200 - Natural White Pine	High Density Log	10.5	104		
62	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	102.2	31		
64	4130 - Aspen	High Density Sapling	60.7	16		Stand harvested in 1995 as sale #014-93. Young aspen transitioning from a sapling stand to a pole stand. Edges of stand along lowland have a higher component of spruce. Tag alder is low areas within the stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
13	50 - Water	3.1	No	Unspecified	Beaver Pond
16	6224 - Treed Bog	26.3	No	Unspecified	
18	6229 - Mixed lowland shrub	15.4	No	Unspecified	
22	6224 - Treed Bog	20.5	No	Unspecified	
24	50 - Water	5.1	No	Unspecified	
27	6224 - Treed Bog	63.1	No	Unspecified	
28	6224 - Treed Bog	7.5	No	Unspecified	
41	6224 - Treed Bog	8.2	No	Unspecified	
45	50 - Water	1.5	No	Unspecified	
47	6225 - Bog	58.1	No	Unspecified	
55	6229 - Mixed lowland shrub	2.6	No	Unspecified	
56	50 - Water	2.9	No	Unspecified	Beaver pond
58	6220 - Alder/willow	124.0	No	Unspecified	Lowland brush stand of tag alder, cedar and some black spruce.
60	6225 - Bog	37.6	No	Unspecified	
63	6225 - Bog	22.1	No	Unspecified	
65	50 - Water	2.3	No	Unspecified	Beaver pond
66	50 - Water	2.3	No	Unspecified	Beaver Pond on Callum Creek
67	6220 - Alder/willow	12.5	No	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
19	SCA Removal	42047019	119.9	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.
26	SCA Removal	42047026	5.5	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.
53	SCA Removal	42047053	10.7	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.
16	SCA Removal	NF_42047016	26.3	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.
22	SCA Removal	NF_42047022	20.5	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.
27	SCA Removal	NF_42047027	63.1	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.
28	SCA Removal	NF_42047028	7.5	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.
41	SCA Removal	NF_42047041	8.2	Removing old Stand Condition "8". SCA designation not warranted. The portion of the compartment considered to have unique values was transferred to Tahquamenon Falls State Park ownership.



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	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
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.