



**Newberry Forest Management Unit
Compartment Review Presentation
Compartment 087 Entry Year: 2012
Compartment Acreage: 1833 County: Luce**

Revision Date: 9/22/10

Stand Examiner: Jason A. Tokar

Legal Description: T47N R10W Sections 32-36

Identified Planning Goals ('Management Area' or 'RMU'): Compartment 087 is located within the 8 Mile Corner 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/01_8_Mile_Corner_MA_summary_3_6.pdf

Management Goals: Maintain or enhance the forest health, productivity, and diversity of the area through proper management. Enhance age class diversity in the forest cover types through continued timber harvest treatments.

Soil and Topography: The major soil series in this compartment are Liminga-Alcona complex, Kalkaska sand, Spot-Finch complex, Wallace sand, Paquin sand, and Carbondale, Lupton and Tawas mucks. Upland areas are dominated by two soil types; Kalkaska sand and Liminga-Alcona complex. These upland soils support cover types of aspen, red pine and northern hardwoods. There is a scattering of lowland areas primarily in the eastern reaches of the compartment, dominated by Carbondale, Lupton and Tawas muck soils supporting lowland black spruce and mixed swamp conifer cover types. The terrain throughout the compartment is level to slightly rolling, with a few ridges at the transition from upland to lowland.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is broken into 3 large "pieces" of State land by the surrounding private lands. The compartment is bordered by State land to the north and east, while a mixture of State ownership and small private parcels border the compartment to the south and west. Due to the proximity to Newberry, development in and around the compartment is moderate, with many family homes and camps adjacent to the State land. Land use is high in the area, again due to the proximity to town, along with the overall upland nature of the compartment.

Unique, Natural Features: MNFI lists the potential for red-shouldered hawk, goshawk, great blue heron rookery, eagle, and osprey. There is also potential for moose and wolf.

Archeological, Historical, and Cultural Features: None Known.

Special Management Designations or Considerations: There are no special management designations.

Watershed and Fisheries Considerations: Fisheries Values
None.

Wildlife Habitat Considerations: **Compartment 87** lies in central Luce county and is situated in the Seney Sand Lake Plain ecological sub-subsection. The western portion of the compartment is dominated by aspen, and northern hardwood with a component of plantation red pine. The eastern half is more diverse with a mixture of lowland coniferous forest and mixed upland forest.

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. Many stands will retain large white pine as a component. White-tailed deer, black bear, fisher, marten, coyotes, gray wolves, ruffed grouse, woodcock, and snowshoe hare are expected to use this compartment.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 32 - 36, T47N-R10W, Luce County

Surface sediments consist of peat and muck, coarse-textured glacial till and an end moraine of coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton Group and Collingwood and Utica Shales subcrop below the glacial drift. The Trenton is used for dolomite/stone. Gravel pits are located four and one-half miles to the northwest. Potential may be good in Sections 31 and 32. There is no economic oil and gas production in the UP.

Vehicle Access: The compartment is located just a few miles north of Newberry, stretching from “5 Mile Corner” westerly to “8 Mile Corner”. M-123 runs through the eastern reaches of the compartment while County Road 407 runs along the southern edge of the western 2/3 of the compartment. An extensive network of forest roads (two track dirt roads) transects the compartment providing ample vehicle access. Several abandoned/closed used for past timber sales are also found throughout the area. Silver Creek ORV trails also runs through the western portion of the compartment.

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

Recreational Facilities and Opportunities: The only designated recreational facility is the Silver Creek ORV Trail which transects the western half of the compartment. Other recreational opportunities would include hunting, ORV riding, snowmobiling and wildlife viewing.

Fire Protection: The potential for large fire growth is low because of low response travel time and fragmented Pine cover types. Risk to private properties would be moderate because of up land cover types.

Additional Compartment Information: None

➤ **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**

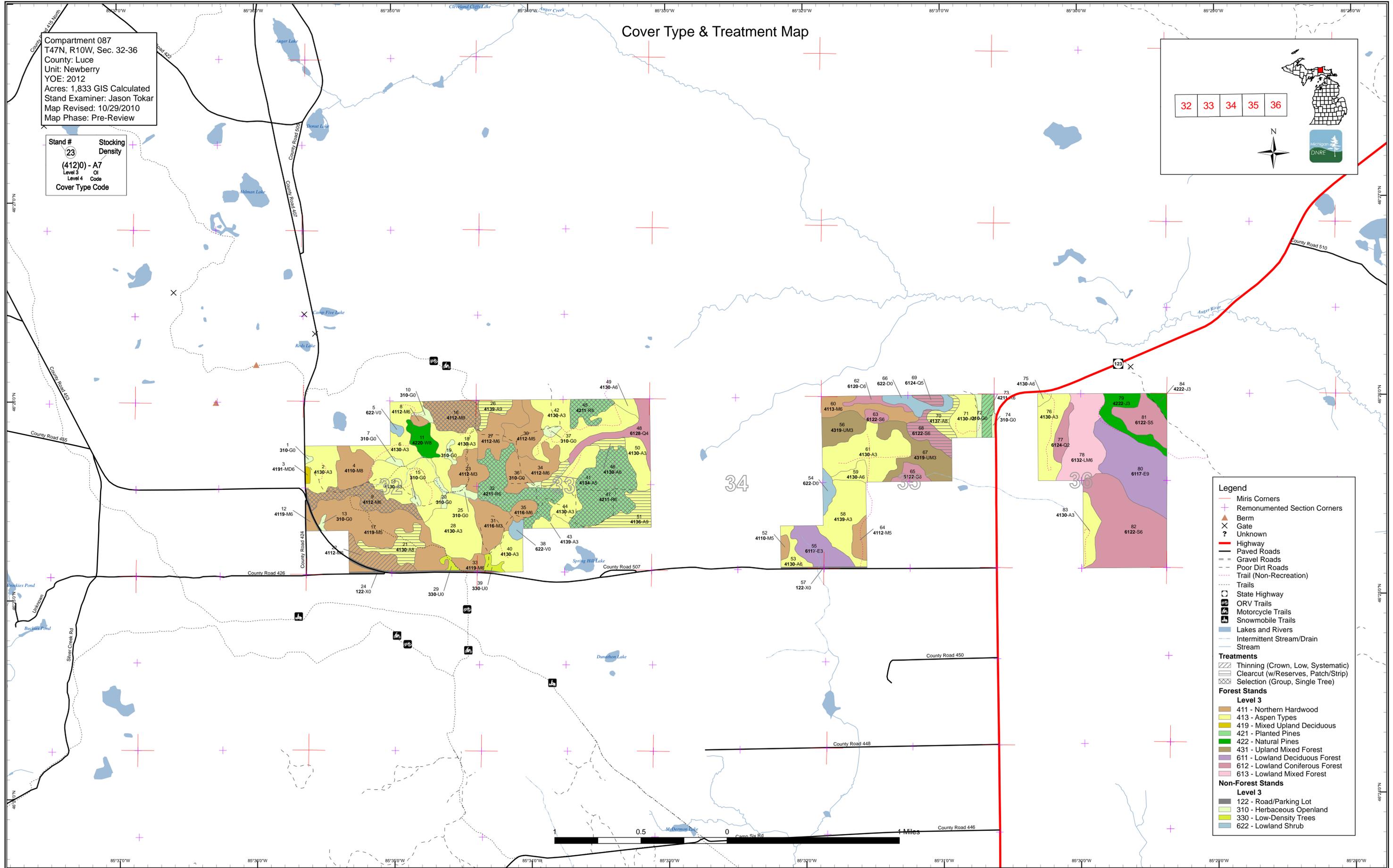
➤ **The following information is displayed, where pertinent, on the attached compartment maps:**

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

Cover Type & Treatment Map

Compartment 087
 T47N, R10W, Sec. 32-36
 County: Luce
 Unit: Newberry
 YOY: 2012
 Acres: 1,833 GIS Calculated
 Stand Examiner: Jason Tokar
 Map Revised: 10/29/2010
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Remonedmented Section Corners
- Berm
- Gate
- Unknown
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Trails
- State Highway
- ORV Trails
- Motorcycle Trails
- Snowmobile Trails
- Lakes and Rivers
- Intermittent Stream/Drain
- Stream

Treatments

- Thinning (Crown, Low, Systematic)
- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

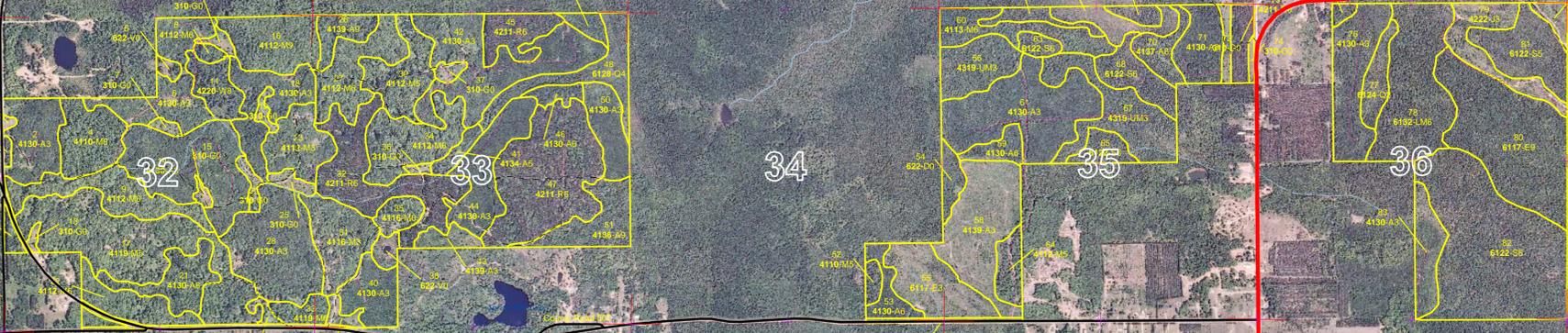
Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub

Stand Boundary Map

Compartment 087
 T47N, R10W, Sec. 32-36
 County: Luce
 Unit: Newberry
 YOE: 2012
 Acres: 1,833 GIS Calculated
 Stand Examiner: Jason Tokar
 Map Revised: 10/29/2010
 Map Phase: Pre-Review

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



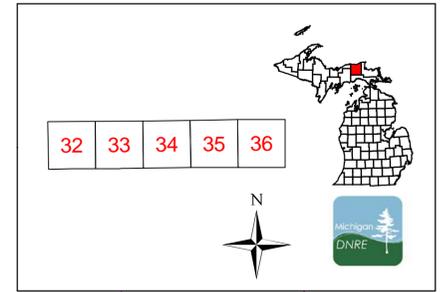
- Legend**
- Miris Corners
 - Remonumented Section Corners
 - ▲ Berm
 - × Gate
 - Highway
 - Paved Roads
 - Gravel Roads
 - Poor Dirt Roads
 - Trail (Non-Recreation)
 - Trails
 - State Highway
 - ORV Trails
 - Motorcycle Trails
 - Snowmobile Trails
 - Intermittent Stream/Drain
 - Stream
 - Stand Boundaries
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 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
 - 622 - Lowland Shrub



Dedicated & Proposed Special Conservation Area Map

Compartment 087
 T47N, R10W, Sec. 32-36
 County: Luce
 Unit: Newberry
 YOY: 2012
 Acres: 1,833 GIS Calculated
 Stand Examiner: Jason Tokar
 Map Revised: 10/29/2010
 Map Phase: Pre-Review

Stand #	Stocking Density
(412)0 - A7	01
Level 3	Code
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
 - Cold Water Streams
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 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
 - 622 - Lowland Shrub

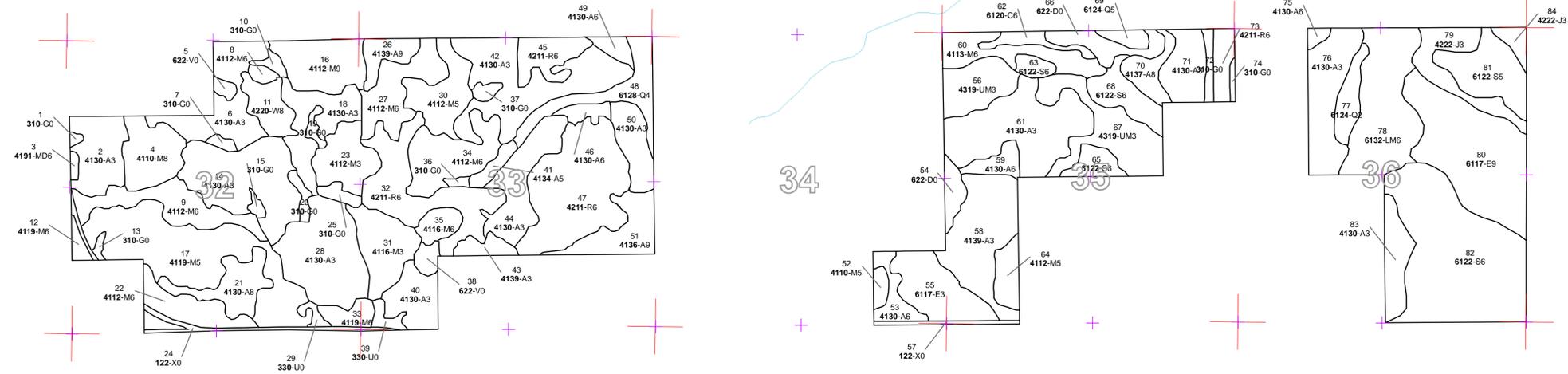


Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	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 +		Uneven Age
Aspen	0	96	240	207	11	15	6	0	56	25	0	0	0	0	0	656
Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Cedar	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Herbaceous Openland	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Jack Pine	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	30
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	13	0	26	0	0	0	5	0	0	0	0	0	44
Lowland Deciduous	0	33	0	0	0	0	0	0	0	84	0	0	0	0	0	117
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	62	0	0	0	0	62
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	183	0	0	0	0	0	183
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	53	0	0	9	112	42	194	0	0	0	0	0	410
Red Pine	0	0	0	0	0	10	145	0	0	0	0	0	0	0	0	155
Treed Bog	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Upland Mixed Forest	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	65
Urban	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
White Pine	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	16
Total	84	129	270	338	11	51	160	112	107	492	78	0	0	0	0	1833



Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Newberry Mgt. Unit
Year of Entry 2012

Compartment 087
Total Compartment Acres: 1833

Acres by Treatment Type

Commercial Harvest - 347	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	84	0	0	0	0	0	84
Lowland Conifers	5	0	0	0	0	0	5
Lowland Spruce/Fir	19	0	0	0	0	0	19
Northern Hardwood	0	63	0	0	20	0	83
Red Pine	0	145	0	0	10	0	155
Total	109	208	0	0	30	0	347



Data updated before 2:00 PM

S
t
a
n
d

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9 42087009-Cut	31.8	4112 - Maple, Beech, Cherry Association	High Density Pole	87	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Thin stand via selection harvest. Remove most of beech, leave about 10 BA. Remove clones of aspen but maintain individual aspen. Leave a component of all species present.

Other
Comments:

Next
Steps:

16 42087016-Cut	31.4	4112 - Maple, Beech, Cherry Association	High Density Log	85	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
-----------------	------	---	------------------	----	---------	-----------------------	----------------------------------	-----------------------

Prescription Prescribe stand for a selection harvest. Remove most of the beech (dying out with BBD). Create regeneration gaps, possible to do in areas of existing advanced regeneration. Leave a component of all species present.

Other
Comments:

Next
Steps:

21 42087021-Cut	22.8	4130 - Aspen	Medium Density Log	81	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
-----------------	------	--------------	--------------------	----	---------	------------------------	-------	-----------------------

Prescription Final harvest, clearcut with reserves. Leave a couple small retention pockets. Possibly leave a component of yellow birch and white pine.
Specs: Decision will be made during sale prep as to how much to leave. Incorporate some mature aspen into red line (sale boundary). Management objective of aspen.

Other
Comments:

Next
Steps: Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.

22 42087022-Cut_exp-0	20.0	4112 - Maple, Beech, Cherry Association	High Density Pole	85	Harvest	Crown Thinning	Maple, Beech, Cherry Association	Cmpt. Review Proposal
-----------------------	------	---	-------------------	----	---------	----------------	----------------------------------	-----------------------

Prescription Prescribe stand for a thinning treatment. Thin to average of 70 BA. Remove aspen clones but retain a component of individual aspen. Leave a component of cherry, birch, and conifers.

Other
Comments:

Next
Steps: Plant oak in open areas of stand following timber harvest.

26 42087026-Cut	11.9	4139 - Aspen, Mixed Deciduous	High Density Log	78	Harvest	Clearcut with Reserves	Aspen, Mixed Deciduous	Cmpt. Review Proposal
-----------------	------	-------------------------------	------------------	----	---------	------------------------	------------------------	-----------------------

Prescription Prescribe stand for treatment. Final harvest (clearcut with reserves). Small acreage stand. Possibly leave a small retention pocket where stand is "wider". Could leave a few scattered large supercanopy white pine but don't leave all.

Other
Comments:

Next
Steps: Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.



Data updated before 2:00 PM

S
t
a
n
d

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32 42087032-Cut	51.2	42110 - Planted Red Pine	High Density Pole	51	Harvest	Single Tree Selection	Planted Red Pine	Cmpt. Review Proposal

Prescription Thin stand. Reduce BA to 110-120 sq ft on average.Specs:OtherComments:NextSteps:

41 42087041-Cut	6.0	4134 - Aspen, Spruce/Fir	Medium Density Pole	52	Harvest	Clearcut	Aspen, Spruce/Fir	Cmpt. Review Proposal
-----------------	-----	--------------------------	---------------------	----	---------	----------	-------------------	-----------------------

Prescription Final harvest stand. Small acreage (less than 10 acres) and narrow. No retention needed. Include aspen bordering hardwoods stand to theSpecs: north should be included as part of this stand. SI of 68 for aspen.OtherComments:NextSteps: Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.

45 42087045-Cut	17.9	42110 - Planted Red Pine	High Density Pole	51	Harvest	Single Tree Selection	Planted Red Pine	Cmpt. Review Proposal
-----------------	------	--------------------------	-------------------	----	---------	-----------------------	------------------	-----------------------

Prescription Stand is ready for a second thinning (High BA). Thin to reduce the BA to 110-120 sq ft.Specs:OtherComments:NextSteps:

46 42087046-Cut	6.1	4130 - Aspen	High Density Pole	78	Harvest	Clearcut	Aspen	Cmpt. Review Proposal
-----------------	-----	--------------	-------------------	----	---------	----------	-------	-----------------------

Prescription Final harvest. Small acreage, no retention needed. May mark a few leave tree white spruce. Access is via N/S trail through red pine stand to the south.Specs:OtherComments:NextSteps: Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.

47 42087047-Cut	75.9	42110 - Planted Red Pine	High Density Pole	51	Harvest	Single Tree Selection	Planted Red Pine	Cmpt. Review Proposal
-----------------	------	--------------------------	-------------------	----	---------	-----------------------	------------------	-----------------------

Prescription Stand is ready for a second thinning. Reduce the BA to 120-130 sq ft on average.Specs:OtherComments:NextSteps:

51 42087051-Cut	24.6	4136 - Aspen, Mixed Conifer	High Density Log	75	Harvest	Clearcut with Reserves	Aspen, Mixed Conifer	Cmpt. Review Proposal
-----------------	------	-----------------------------	------------------	----	---------	------------------------	----------------------	-----------------------

Prescription Prescribe stand for treatment. Aspen is mature throughout. Clearcut with reserves. A few retention pockets will be left to meet retentionSpecs: guidelines. Incorporate areas with hemlock and white pine into retention pockets.OtherComments:NextSteps: Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.

S
t
a
n
d

Data updated before 2:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
68 42087068-Cut	19.1	6122 - Black Spruce	High Density Pole	87	Harvest	Clearcut with Reserves	Black Spruce	Cmpt. Review Proposal

Prescription Final harvest, clearcut with reserves. Shallow rooted trees and wet soil. Retention will be in pockets, mainly a couple larger pockets to avoid immediate blowdown. No individual tree retention.

Other
Comments:

Next Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.
Steps:

69 42087069-Cut	5.4	6139 - Mixed Lowland Forest	Medium Density Pole	85	Harvest	Clearcut	Mixed Lowland Forest	Cmpt. Review Proposal
-----------------	-----	-----------------------------	---------------------	----	---------	----------	----------------------	-----------------------

Prescription Final harvest. Small acreage, no retention.

Specs:

Other
Comments:

Next Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.
Steps:

70 42087070-Cut	13.0	4137 - Aspen, Birch	Medium Density Log	76	Harvest	Clearcut with Reserves	Aspen, Birch	Cmpt. Review Proposal
-----------------	------	---------------------	--------------------	----	---------	------------------------	--------------	-----------------------

Prescription Final harvest, clearcut with reserves. Leave a couple small retention pockets, mix of species. No individual tree retention. Could leave a few super canopy white pine.

Other
Comments:

Next Acceptable regeneration would include any combination of species currently on site. Regeneration check according to work instructions.
Steps:

73 42087073-Cut	10.3	42110 - Planted Red Pine	High Density Pole	40	Harvest	Systematic Thinning	Planted Red Pine	Cmpt. Review Proposal
-----------------	------	--------------------------	-------------------	----	---------	---------------------	------------------	-----------------------

Prescription Stand needs to be thinned with a 3rd row thinning.

Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 347.4**



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

Data updated before 2:00 PM

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2012



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

Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

S
t
a
n
d

Newberry Mgt. Unit

5 – Forested Stands
Data updated before 2:00 PM

Compartment: 087
Year of Entry: 2012



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4130 - Aspen	High Density Sapling	28.0	17		Young aspen with component of red maple, cherry, spruce and some ironwood and white birch. Cut as sale #29-92-01 in 1993.
3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	1.7	70		Small acreage, mixed stand of white birch, maple, cherry, balsam and jack pine.
4	4110 - Sugar Maple Association	Medium Density Log	27.0	85	51-80	Stand was thinned in 2004 as sale #010-03-01. Mainly hard maple with red maple. Small component of black cherry and yellow birch. Mixed understory (maple, beech, aspen, and some balsam and ironwood).
6	4130 - Aspen	High Density Sapling	36.7	6		
8	4112 - Maple, Beech, Cherry Association	High Density Pole	3.0	70	51-80	Stand was thinned in 2004 as part of sale #10-03-01.
9	4112 - Maple, Beech, Cherry Association	High Density Pole	31.8	87	111-140	Hard maple with beech and red maple. Component of Yellow birch, alot of which is dead. Trace of balsam, black cherry and aspen. Some dead tops in hard maple. Pockets with more red maple and quality decreases. Scattered large DBH aspen.
11	42200 - Natural White Pine	Medium Density Log	15.8	95	51-80	Stand was cut as part of sale #010-03-01, along with adjacent stand. Residual white pine BA high enough to separate into another stand. Aspen and maple removed. Stand was harvested to regenerate aspen.
12	4119 - Mixed Northern Hardwoods	High Density Pole	3.7	78	81-110	
14	4130 - Aspen	High Density Sapling	58.0	17		Young aspen. Some diameters reaching the merchantable size class. Cut as sale #30-92-01 in 1993.
16	4112 - Maple, Beech, Cherry Association	High Density Log	31.4	85	111-140	Nice large diameter maple stand. Sugar maple with red maple and beech. Some yellow birch. Occasional aspen.
17	4119 - Mixed Northern Hardwoods	Medium Density Pole	86.3	60	51-80	Variable stand. Numerous species present, age class diversity within stand. Small open areas, pockets of younger timber. Lots of structural diversity.
18	4130 - Aspen	High Density Sapling	29.4	27		
21	4130 - Aspen	Medium Density Log	22.8	81	111-140	Mature aspen (clones). Lower quality red maple. Small "open" areas. Mature aspen is showing rot and decline. Pockets of balsam.
22	4112 - Maple, Beech, Cherry Association	High Density Pole	22.8	85		
23	4112 - Maple, Beech, Cherry Association	High Density Sapling	24.2	27		

S
t
a
n
d

Newberry Mgt. Unit

5 – Forested Stands
Data updated before 2:00 PMCompartment: 087
Year of Entry: 2012

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4139 - Aspen, Mixed Deciduous	High Density Log	11.9	78	111-140	Overmature, large diameter aspen with maple. Good component of balsam. Large diameter supercanopy white pine.
27	4112 - Maple, Beech, Cherry Association	High Density Pole	30.3	85		Pole sized red maple stand with thick balsam understory. Check for harvest in 10 yrs.
28	4130 - Aspen	High Density Sapling	54.0	26		Last harvested in 1984, sale #19-82-01. Nice aspen stand.
30	4112 - Maple, Beech, Cherry Association	Medium Density Pole	26.9	75	81-110	Open grown red maple stand. Clumps of red maple. Beech dying out of stand.
31	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	28.8	26		Harvested in 1984 as sale #19-82-01. Mostly red maple and cherry with a good component of aspen. A trace of yellow birch as well.
32	42110 - Planted Red Pine	High Density Pole	51.2	51	141-170	Planted in 1959. Thinned in 2004 (sale #018-02-01).
33	4119 - Mixed Northern Hardwoods	High Density Pole	8.6	77	1-50	
34	4112 - Maple, Beech, Cherry Association	High Density Pole	34.6	85	81-110	Small diameter red maple. Multiple stem red maple. Thick understory.
35	4116 - Mixed N. Hardwood - Aspen	High Density Pole	9.2	56		
40	4130 - Aspen	High Density Sapling	20.4	17		Young aspen. Harvested in 1993.
41	4134 - Aspen, Spruce/Fir	Medium Density Pole	6.0	52	51-80	Small stand of mature aspen. Decay and conks. 8-9 inch dbh. Good balsam component in overstory.
42	4130 - Aspen	High Density Sapling	62.1	18		A3, young aspen. Cut in 1992, sale #27-92-01 and 06-92-01. Ravines running through stand to the south.
43	4139 - Aspen, Mixed Deciduous	High Density Sapling	7.5	6		Harvested in 2004 (018-02-01). Red and white pine left as residual.
44	4130 - Aspen	High Density Sapling	33.3	18		Stand harvested in 1992 (sale #028-92-01). Young aspen. White birch component mainly along road edges and old skid trails.
45	42110 - Planted Red Pine	High Density Pole	17.9	51	171-200	Red Pine plantation. Planted in 1959. Thinned in 2004 (018-02-01). Small component of red maple.
46	4130 - Aspen	High Density Pole	6.1	78	111-140	Mature aspen stand with good conifer component. Some spruce.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	42110 - Planted Red Pine	High Density Pole	75.9	51	171-200	Planted in 1959. Thinned in 2004 (sale 018-02-01). Some sawfly and porcupine damage. Pockets of aspen regeneration from last harvest.
48	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	26.3	48	1-50	Typed as an "L" last entry year. More of an open grown lowland conifer stand with many open areas. Very wet.
49	4130 - Aspen	High Density Pole	5.7	41		Aspen stand with northern hardwoods. Pockets of larger diameter aspen. Component of super canopy white pine.
50	4130 - Aspen	High Density Sapling	19.0	16		Harvested in 1994, sale #034-94-01. Young aspen.
51	4136 - Aspen, Mixed Conifer	High Density Log	24.6	75	111-140	Mixed stand, primarily aspen. Scattered hemlock. Mortality in aspen, balsam and maple.
52	4110 - Sugar Maple Association	Medium Density Pole	4.2	84	81-110	Thinned by selection harvest in 2005, sale #11-03-01.
53	4130 - Aspen	High Density Pole	11.2	34	51-80	Healthy, young aspen stand, with good conifer component.
55	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	33.0	5		Harvested as sale #11-03-01. Cut in 2005. Lots of variability to the stand, very diverse.
56	4319 - Mixed Upland Forest	High Density Sapling	24.6	24		
58	4139 - Aspen, Mixed Deciduous	High Density Sapling	51.7	5		Harvested in 2005, sale #11-03-01. Good aspen and red maple regeneration along with some balsam and white birch. Light component (trace) of spruce and white pine.
59	4130 - Aspen	High Density Pole	9.0	41		Young aspen pole stand. Possible to treat in 10 years.
60	4113 - R.Maple, Conifer	High Density Pole	25.5	65	51-80	
61	4130 - Aspen	High Density Sapling	64.6	24		Stand harvested in 1986, sale #55-83-01. Good aspen regeneration with a component of red maple, cherry and balsam. Occasional white birch.
62	6120 - Lowland Cedar	High Density Pole	7.9	77	1-50	Lowland conifer stand, high component of cedar.
63	6122 - Black Spruce	High Density Pole	5.5	87	81-110	
64	4112 - Maple, Beech, Cherry Association	Medium Density Pole	11.5	84	81-110	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	6122 - Black Spruce	High Density Pole	9.9	87		
67	4319 - Mixed Upland Forest	High Density Sapling	40.3	24		
68	6122 - Black Spruce	High Density Pole	19.1	87	81-110	Nice black spruce stand. Pockets of blowdown. Solid black spruce stand, edges have a mix of species.
69	6124 - Lowland Spruce- Fir	Medium Density Pole	5.4	85	81-110	
70	4137 - Aspen, Birch	Medium Density Log	13.0	76	81-110	Mature aspen with a mix of species. Fair amount of mortality in aspen and heavy mortality in white birch. Open canopy in spots. Some cedar along the west and north stand edges. Thick understory.
71	4130 - Aspen	High Density Sapling	20.9	27		Harvested in 1983. Young aspen, beginning to transition from an A3 to an A6. Old roads growing in with saplings.
73	42110 - Planted Red Pine	High Density Pole	10.3	40	171-200	Planted in 1970. Planted on an 8x10 spacing. Old notes state the plantation had red headed pine sawfly damage as a young plantation.
75	4130 - Aspen	High Density Pole	2.7	82	81-110	
76	4130 - Aspen	High Density Sapling	38.1	26		Stand was harvested in 1984 as sale #22-83-01. Young aspen stand.
77	6124 - Lowland Spruce- Fir	Medium Density	12.6	26		Stand harvested in 1884 as sale #22-83-01. Lowland conifer regeneration.
78	6132 - Mixed Lowland Forest with Cedar	High Density Pole	62.2	95	81-110	
79	42220 - Natural Jack Pine	High Density Sapling	24.6	12		Ridge of young jack pine with aspen.
80	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	84.3	85		Low ground red maple and birch with cedar and spruce.
81	6122 - Black Spruce	Medium Density Pole	32.3	80		
82	6122 - Black Spruce	High Density Pole	116.6	80		Black spruce stand with a heavy lowland conifer component. Pockets of lowland aspen with red maple, white birch and balsam. Some blowdown.
83	4130 - Aspen	High Density Sapling	19.0	15		Thick aspen regeneration 25-30 ft tall. East side of the stand has more cherry, spruce, balsam and red maple....more of a P3/M3.

S
t
a
n
d

Newberry Mgt. Unit

5 – Forested Stands

Compartment: 087

Year of Entry: 2012



Data updated before 2:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
84	42220 - Natural Jack Pine	High Density Sapling	5.7	12		Ridge of Jack pine and aspen



Stand	Cover Type	Acres	Gen Cmts:
1	3102 - Grass	1.1	
5	6225 - Bog	2.7	
7	3102 - Grass	2.3	
10	3102 - Grass	3.1	
13	3103 - Rubus-Fern	1.5	
15	3103 - Rubus-Fern	2.1	
19	3103 - Rubus-Fern	2.9	
20	3103 - Rubus-Fern	3.9	
24	122 - Road/Parking Lot	10.0	
25	3103 - Rubus-Fern	4.5	
29	3301 - Low Density Deciduous Tree	2.8	
36	3103 - Rubus-Fern	1.6	
37	3102 - Grass	3.1	
38	6225 - Bog	5.1	
39	3301 - Low Density Deciduous Tree	4.2	
54	6224 - Treed Bog	8.0	
57	122 - Road/Parking Lot	4.0	
66	6224 - Treed Bog	14.9	



Stand	Cover Type	Acres	Gen Cmts:
72	3102 - Grass	4.6	
74	3102 - Grass	1.6	



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.

Data updated before 2:00 PM

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.

Data updated before 2:00 PM

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.