Newberry Forest Management Unit
Compartment Review Presentation
Compartment 134 Entry Year: 2012
Compartment Acreage: 1913 County: Luce

Revision Date: 10/13/2010

Stand Examiner: Ryan Mattila

Legal Description: T45N R08W, Sec 25, 26, 27

Identified Planning Goals ('Management Area' or 'RMU',if applicable): Compartment lies within the Sage Truck Trail Management Area.

Management Goals: Timber/Deer Yard. Active deer yard, maintain the species components as well as the age class distribution. Preserve closed canopy conifers for winter deer cover.

Soil and Topography: Markey & Carbondale muck, Millecoquins, Auger very fine sandy loam, Allendale fibre complex, paquin-finch, and Liminga. Relatively flat upland ground which gradually slopes downward into wet, low ground.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is made up entirely of State Ownership and is bordered on all sides by state owned land. It is located in the southeast corner of Luce County.

Unique, Natural Features: The Natural Features Inventory does not list any natural features.

Archeological, Historical, and Cultural Features: The site of the old Kneeland-Bigelow logging camp is located in this compartment.

Special Management Designations or Considerations: Deer Yard

Watershed and Fisheries Considerations: Fisheries Values
Minimal. The small streams within this compartment that are part of the Sage River system are all classified as Type 1 trout streams, meaning that they support natural brook trout populations. Access, however, is so poor that few people will ever take advantage of those populations.

Wildlife Habitat Considerations: Compartment 134 lies in southern Luce county and is in the Seney Sand Lake Plain ecological sub-subsection. The compartment lies within the Sage River Deer yard which supports high numbers of deer during stressful winter periods. The compartment is comprised of cedar, northern hardwoods and aspen stands with a few scattered hemlock, lowland and spruce types.

Harvested stands will not disturb cedar, hemlock or white pine and will occur during winter months to benefit wintering deer. Existing nest and den trees, snags, and woody debris will be maintained in stands where they exist. Species of special interest potentially using this compartment include white-tailed deer, black bear, bobcat, hare, coyote, fox, gray wolves, and ruffed grouse and woodcock.

Mineral Resource and Development Concerns and/or Restrictions:
Surface sediments consist of peat and muck, lacustrine (lake) clay and silt and coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group and Cabothead Shale subcrop below the glacial drift. The Burnt Bluff is quarried for limestone at Hendricks Quarry four miles to the southwest. A gravel pit is located three miles to the northeast. Potential may be good along the south edge of Sections 25 and 26. There is no economic oil and gas production in the UP.

Vehicle Access: The compartment is two miles south of M-28. The Kneeland-Bigelow Road runs from M-28 to the compartment and continues to the Sage Truck Trail. However, the way to access the compartment is to come up through Mackinaw County via the Dinkey Line Road due to the condition of the old Kneeland-Bigelow Road. The State of Michigan does have legal easement where the road crosses private properity adjacent to M-28.

Survey Needs: No survey needed.

Recreational Facilities and Opportunities: There are no designated trails in this compartment. The main recreational opportunity within this compartment would be hunting.

Fire Protection: The potential for large fire growth is low because of fragmented fuel types and lowland cover types, but response travel times are very long. Risk to private properties would be low.

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

Stand # 23 — Stocking Density

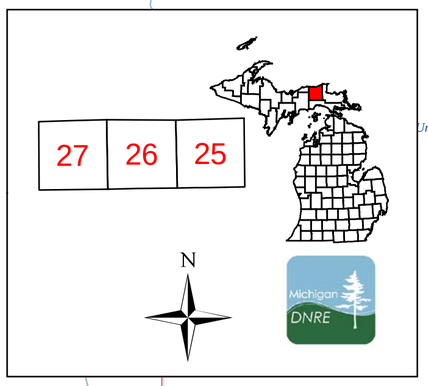
(412)0) - A7

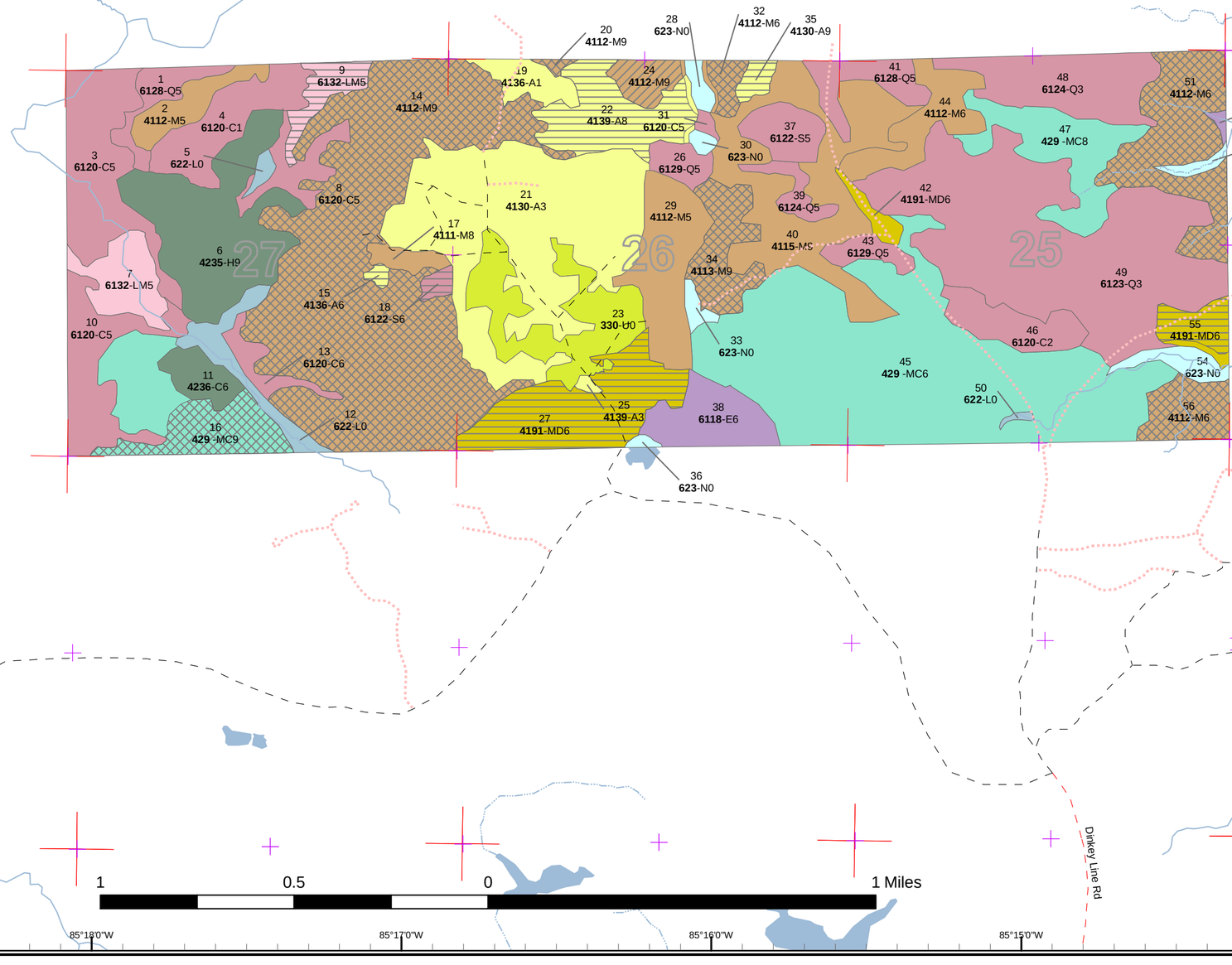
Level 3 — OI

Level 4 — Code

Cover Type Code

Compartment 134
T45N, R08W, Sec. 25, 26, 27
County: Luce
Unit: Newberry
YOE: 2012
Acres: 1,913 GIS Calculated
Stand Examiner: Ryan Matilla
Map Revised: 10/28/2010
Map Phase: Pre-Review





Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

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
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

UnNamed # 24 Luce Co

UnNamed # 24 Luce Co

UnNamed # 24 Luce Co

Dinkey Line Rd

1 — 0.5 — 0 — 1 Miles

85°19'0"W · 85°18'0"W · 85°17'0"W · 85°16'0"W · 85°15'0"W · 85°14'0"W

46°17'0"N · 46°16'0"N · 46°15'0"N

Stand Boundary Map

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

Compartment 134
T45N, R08W, Sec. 25, 26, 27
County: Luce
Unit: Newberry
YOE: 2012
Acres: 1,913 GIS Calculated
Stand Examiner: Ryan Matilla
Map Revised: 10/28/2010
Map Phase: Pre-Review

27 26 25

N

Michigan DNRE

UnNamed #24 Luce Co.

1 6128-C5 | 2 4112-M5 | 3 6120-C5 | 4 6120-C1 | 5 522-L0 | 6 6132-LM5 | 7 6120-C5 | 8 6120-C5 | 9 4235-HB | 10 6120-C5 | 11 4236-C6 | 12 622-L0 | 13 6120-C5 | 14 4112-M9 | 15 4136-A6 | 16 429-MC9 | 17 4111-M8 | 18 6122-S5 | 19 4130-A5 | 20 4112-M9 | 21 4130-A3 | 22 4139-A6 | 23 6120-C5 | 24 4112-M9 | 25 4139-A3 | 26 623-N0 | 27 4191-MD6 | 28 623-N0 | 29 4112-M5 | 30 623-N0 | 31 6120-C5 | 32 4112-M8 | 33 623-N0 | 34 4113-M6 | 35 4130-A9 | 36 623-N0 | 37 6122-S5 | 38 6118-E6 | 39 6124-Q3 | 40 4115-M9 | 41 6129-Q5 | 42 4191-MD6 | 43 6128-Q5 | 44 4112-M8 | 45 6124-Q3 | 46 6120-C2 | 47 429-MC6 | 48 6123-Q3 | 49 4112-M6 | 50 622-L0 | 51 4112-M6 | 52 6117-E4 | 53 623-N0 | 54 4191-MD6 | 55 623-N0 | 56 4112-M6

Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

Forest Stands

Level 3

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

Non-Forest Stands

Level 3

330 - Low-Density Trees
622 - Lowland Shrub
623 - Emergent Wetland

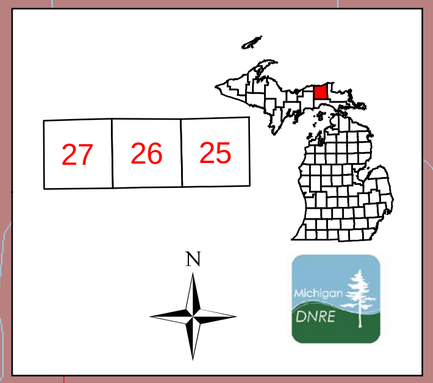
1 0.5 0 1 Miles

85°19'0"W 85°18'0"W 85°17'0"W 85°16'0"W 85°15'0"W 85°14'0"W
46°16'0"N 46°15'0"N

Dedicated & Proposed Special Conservation Area Map

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

Compartment 134
T45N, R08W, Sec. 25, 26, 27
County: Luce
Unit: Newberry
YOE: 2012
Acres: 1,913 GIS Calculated
Stand Examiner: Ryan Matilla
Map Revised: 10/28/2010
Map Phase: Pre-Review



Michigan DNRE

1 6128-Q5
2 4112-M5
3 6120-C5
4 6120-C1
5 622-L0
6 4235-H9
7 6132-LM5
8 6120-C5
9 6132-LM5
10 6120-C5
11 4236-C6
12 622-L0
13 6120-C6
14 4112-M9
15 4136-A6
16 429 -MC9
17 4111-M8
18 6122-S6
19 4136-A1
20 4112-M9
21 4130-A3
22 4139-A8
23 330-U0
24 4112-M9
25 4139-A3
26 6129-Q5
27 4191-MD6
28 623-N0
29 4112-M5
30 623-N0
31 6120-C5
32 4112-M6
33 623-N0
34 4113-M9
35 4130-A9
36 623-N0
37 6122-S5
38 6118-E6
39 6124-Q5
40 4115-M9
41 6128-Q5
42 4191-MD6
43 6129-Q5
44 4112-M6
45 429 -MC6
46 6120-C2
47 429 -MC8
48 6124-Q3
49 6123-Q3
50 622-L0
51 4112-M6
52 623-N0
53 6117-E4
54 623-N0
55 4191-MD6
56 4112-M6

Legend
- Miris Corners
- Stand Boundaries

Proposed Special Conservation Areas
- SCA - Special Conservation Area
- SCA Removal

Dedicated Special Conservation Areas
- Deer Wintering Areas
- Cold Water Streams

Forest Stands

Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

1 0.5 0 1 Miles

85°19'0"W 85°18'0"W 85°17'0"W 85°16'0"W 85°15'0"W 85°14'0"W
46°17'0"N 46°15'0"N

Table 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit **Compartment 134 Year of Entry 2012**

Data updated before 2:00 PM

Age Class

	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	Total
Aspen	0	13	151	0	0	2	40	5	0	0	0	0	0	0	0	**210**
Cedar	0	0	0	0	0	0	2	76	48	0	0	0	0	61	0	**186**
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	78	0	**78**
Low-Density Trees	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**50**
Lowland Conifers	0	0	0	227	0	8	0	48	0	0	0	0	0	0	0	**284**
Lowland Deciduous	0	0	0	0	1	0	0	0	28	0	0	0	0	0	0	**30**
Lowland Mixed Forest	0	0	0	0	0	0	0	0	13	23	0	0	0	0	0	**36**
Lowland Shrub	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**20**
Lowland Spruce/Fir	0	0	0	0	0	0	0	16	0	0	3	0	0	0	0	**19**
Marsh	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**24**
Mixed Upland Deciduous	0	0	0	0	0	0	0	63	0	14	0	0	0	0	0	**76**
Northern Hardwood	0	0	0	0	0	0	147	16	282	122	0	0	0	0	0	**567**
Upland Conifers	0	0	0	0	0	0	42	0	237	0	0	0	0	54	0	**333**
Total	**94**	**13**	**151**	**227**	**1**	**10**	**231**	**223**	**607**	**159**	**3**	**0**	**0**	**193**	**0**	**1913**

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Newberry Mgt. Unit
Year of Entry 2012

Compartment 134
Total Compartment Acres: 1913

Acres by Treatment Type

Commercial Harvest - 546	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	46	0	0	0	0	0	**46**
Lowland Mixed Forest	13	0	0	0	0	0	**13**
Lowland Spruce/Fir	3	0	0	0	0	0	**3**
Mixed Upland Deciduous	69	0	0	0	0	0	**69**
Northern Hardwood	0	376	0	0	11	0	**387**
Upland Conifers	0	28	0	0	0	0	**28**
Total	**131**	**404**	**0**	**0**	**11**	**0**	**546**

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9	42134009-Cut	12.7	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	75	Harvest	Clearcut with Reserves	Mixed Lowland Forest with Cedar	Cmpt. Review Proposal

Prescription Specs: clearcut the hardwoods and black spruce to regenerate. leave all cedar and any hemlock

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
14	42134014-Cut	262.1	4112 - Maple, Beech, Cherry Association	High Density Log	72	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: mark to harvest with a target BA of 80-90 sq ft leave all hemlock and hardwoods with in hemlock pockets to maintain closed canapy. leave some mature aspen and large white pine as well as any multi-treed pockets of cedar. high ground app middle 1/3 my be fall harvested beginning October 1

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	42134015-Cut	1.8	4136 - Aspen, Mixed Conifer	High Density Pole	47	Harvest	Clearcut	Aspen	Cmpt. Review Proposal

Prescription Specs: Clear cut to regenerate aspen Small stand no in stand retention paint red line on mix of species including mature aspen 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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	42134016-Cut	27.9	429 - Mixed Upland Conifers	High Density Log	135	Harvest	Single Tree Selection	Mixed Non-Pine Upland Conifers	Cmpt. Review Proposal

Prescription Specs: mark to harvest stand in areas of hardwood, target 80 sq ft ba, leave hemlock and multi treed cedar pockets cut spruce/fir ware needed for opperatability

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18	42134018-Cut	3.5	6122 - Black Spruce	High Density Pole	97	Harvest	Clearcut with Reserves	Black Spruce	Cmpt. Review Proposal

Prescription Specs: Clear cut to regenerate leave all hemlock 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.

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
20	42134020-Cut	1.5	4112 - Maple, Beech, Cherry Association	High Density Log	72	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: manage with hadwood stand to north in compartment 133 if stand to north is not prescribed for harvest in this upcomming inventory cycle delay harvest till stand is treated

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22	42134022-Cut	39.1	4139 - Aspen, Mixed Deciduous	Medium Density Log	57	Harvest	Clearcut with Reserves	Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: clearcut stand to regenerate, mark to leave 60-70 sq ft ba in pockets of higher qualiy hard maple (north west portion of stand) app 2 ac. and scattred large conifers. leave all black cherry and some mature aspen on the west or southern edge of stand, red line trees or retention pockets.

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
24	42134024-Cut	10.9	4112 - Maple, Beech, Cherry Association	High Density Log	74	Harvest	Crown Thinning	Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: mark to harvest, target ba of 80 sq ft leave all hemlock

Other Comments:

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27	42134027-Cut	57.3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	68	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Clearcut leave all Cedar, hemlock and white pine for retention, retaion some white birch by marking as red line trees or retention pockets

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	42134032-Cut	6.5	4112 - Maple, Beech, Cherry Association	High Density Pole	57	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: marked harvest thin to 80 sq ft BA leave hemlock and any multi-treed cedar pockets, manage with hadwood stand to north in compartment 133, if stand to north is not prescribed for harvest in this upcomming inventory cycle delay harvest till stand is treated

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.

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34	42134034-Cut	26.5	4113 - R.Maple, Conifer	High Density Log	50	Harvest	Single Tree Selection	R.Maple, Conifer	Cmpt. Review Proposal

Prescription Specs: mark to harvest, target ba of 80 sq ft, leave all hemlock. access stand from the south west with streem crossing or from the north throught comp 133. harvest with stand 32, 35 and stand in comp 133 if prescribed. if the hardwood stand in comp 133 that stand 32 is part of is not precribed harvest with stand 35

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
35	42134035-Cut	4.8	4130 - Aspen	High Density Log	65	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Specs: clearcut to regenerate, leave scatred conifers and large aspen for retention may be as pockets or as red line trees. manage with stand to north in compartment 133 if stand to north is not prescribed for harvest in this upcomming inventory cycle harvest anyway with stand 34

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51	42134051-Cut	58.9	4112 - Maple, Beech, Cherry Association	High Density Pole	82	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: mark to harvest, target ba of 80 sq ft, leave all hemlock and manage only sawlog yellow birch leave yellow birch pulp for wildlife. preserve species dirversity

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
55	42134055-Cut	11.8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	85	Harvest	Clearcut with Reserves	Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Specs: clearcut to regenerate stand leave all hemlock, leave retention pockets in areas with species dirvesity

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.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
56	42134056-Cut	20.8	4112 - Maple, Beech, Cherry Association	High Density Pole	86	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: mark to harvest, target ba of 80 sq ft, leave all hemlock and manage only sawlog yellow birch leave yellow birch pulp for wildlife. preserve species dirversity

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.

Total Treatment Acreage Proposed: **546.1**

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	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**

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	12.9	65		
2	4112 - Maple, Beech, Cherry Association	Medium Density Pole	15.9	65	111-140	
3	6120 - Lowland Cedar	Medium Density Pole	53.7	65		
4	6120 - Lowland Cedar	Low Density Sapling	33.1	130		
6	42350 - Upland Hemlock	High Density Log	77.7	271	171-200	pockets of paper birch and cedar in lower areas
7	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	23.0	84		some of the cedar is dying out of stand, stand regeneration with Paper birch, red maple, and balsam fir in areas ware down trees open the canopy and prevent over browsing
8	6120 - Lowland Cedar	Medium Density Pole	15.1	127		
9	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	12.7	75		clearcut the hardwoods and black spruce to regenerate mark some of the cedar in thicker areas to releace residual
10	6120 - Lowland Cedar	Medium Density Pole	38.0	73		
11	42360 - Upland Cedar	High Density Pole	13.1	120		
13	6120 - Lowland Cedar	High Density Pole	9.5	77		
14	4112 - Maple, Beech, Cherry Association	High Density Log	262.1	72	141-170	stand has many draiages runing to the west draiages have porer quality hardwood stems and more conifer areas of stand hevey to BF regeneration
15	4136 - Aspen, Mixed Conifer	High Density Pole	1.8	47		aspen mixed sizes larger trees starting to decline, harvest now to regenerate aspen
16	429 - Mixed Upland Conifers	High Density Log	53.6	135	171-200	
17	4111 - S.Maple, Hard Mast Association	Medium Density Log	6.7	72	111-140	average ba >120 but stand crowns have not filled in from last entry
18	6122 - Black Spruce	High Density Pole	3.5	97		Clearcut to regenerate
19	4136 - Aspen, Mixed Conifer	Low Density Sapling	12.8	1		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	4112 - Maple, Beech, Cherry Association	High Density Log	1.5	72	111-140	Small stand manage with compartment to north
21	4130 - Aspen	High Density Sapling	149.4	14		
22	4139 - Aspen, Mixed Deciduous	Medium Density Log	40.3	57		areas of higher quality hardmaple on higher ground south edge, east edge and northwest corner
24	4112 - Maple, Beech, Cherry Association	High Density Log	11.2	74	111-140	
25	4139 - Aspen, Mixed Deciduous	High Density Sapling	1.3	14		
26	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	9.1	60		
27	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	57.3	68		
29	4112 - Maple, Beech, Cherry Association	Medium Density Pole	42.3	86	81-110	harvested last entry
31	6120 - Lowland Cedar	Medium Density Pole	1.8	52		
32	4112 - Maple, Beech, Cherry Association	High Density Pole	7.5	57	111-140	manage with compartment to north
34	4113 - R.Maple, Conifer	High Density Log	26.5	50	141-170	some areas of stand are lower ground with higher conifer component
35	4130 - Aspen	High Density Log	4.8	65		
37	6122 - Black Spruce	Medium Density Pole	15.7	60		
38	6118 - Lowland Deciduous with Cedar	High Density Pole	28.2	72		
39	6124 - Lowland Spruce-Fir	Medium Density Pole	8.5	48		
40	4115 - Y.Birch, Hemlock NH	High Density Log	86.6	57	111-140	
41	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	17.7	65		
42	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.4	68	81-110	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	8.5	67		
44	4112 - Maple, Beech, Cherry Association	High Density Pole	26.8	52	111-140	
45	429 - Mixed Upland Conifers	High Density Pole	237.3	72	51-80	
46	6120 - Lowland Cedar	Medium Density	22.0	66		cedar regen present below snow line
47	429 - Mixed Upland Conifers	Medium Density Log	41.9	53		
48	6124 - Lowland Spruce-Fir	High Density Sapling	45.0	29		
49	6123 - Lowland Fir	High Density Sapling	182.5	29		some cedar regen under snow line
51	4112 - Maple, Beech, Cherry Association	High Density Pole	58.9	82	111-140	the northern protion of the stand appear to have been harvested heavy 30-50 years ago resulting lot of pulp 4-5" and only scatred sawlogs 14-16" DBH.
53	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	1.3	30		
55	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	13.7	85	111-140	
56	4112 - Maple, Beech, Cherry Association	High Density Pole	20.8	86	141-170	

6 – Nonforested Stands

Data updated before 2:00 PM

Stand	Cover Type	Acres	Gen Cmts:
5	622 - Lowland Shrub	2.6	
12	622 - Lowland Shrub	16.8	
23	330 - Low-Density Trees	50.1	
28	623 - Emergent Wetland	4.0	
30	623 - Emergent Wetland	2.1	
33	623 - Emergent Wetland	3.6	
36	623 - Emergent Wetland	1.4	
50	622 - Lowland Shrub	1.0	
52	623 - Emergent Wetland	3.3	
54	623 - Emergent Wetland	9.3	

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
multiple - see	**SCA Removal**	42134_SCA_Removals	140.0	

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.
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.