ATLANTA FOREST MANAGEMENT UNIT

COMPARTMENT REVIEW PRESENTATION

COMPARTMENT 082 ENTRY YEAR: 2014

Compartment Acreage: 1774 County: Alpena

Revision Date: October 23, 2012

Stand Examiner: Barber

Legal Description: T29N, R6E, Sec. 22, 23, 24, 25, 26, 27 & 36

Management Area: Alpena Lake Plain

Management Goals: Production of quality oak saw logs.

Soil and Topography: The west most 1/6 of the compartment is wetland and PArVCo. There are numerous free flowing streams. The balance of land is rolling hills of loamy sand. This is mostly PArVVb with some PArVHa. One portion, consisting of several stands, appeared to be AFO.

Ownership Patterns, Development, and Land Use in and Around the Compartment: To the west lies Smokey Hollow Swamp and Wolf Creek. This includes some state land, to the north and northeast. To the east is a large area of south Alpena County farmland, and hunt camps to the south.

Unique, Natural Features (include only non-site specific and non-sensitive information): One or more occurrences have been reported for this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None Reported.

Special Management Designations or Considerations: There are four O/I Stand Condition 8 areas. It is recommended that these be removed at the compartment review, as they are serving no obvious biodiversity conservation purpose.

Watershed and Fisheries Considerations: No special considerations exist, apart from that the streams in this compartment flow into Widner Creek, a cold water stream.

Wildlife Habitat Considerations: Compartment 82 consists of oak, aspen, red pine, and opening in the uplands with cedar, balsam poplar, and swamp conifers in the lowlands. Openings are being lost to natural succession with an improving brush component. A diverse array of wildlife species inhabits this compartment. Featured species present include black bear, white-tailed deer, wild turkey, ruffed grouse, and American woodcock. The compartment also provides habitat potential for reptiles and amphibians including eastern massasauga rattlesnake, red-shouldered hawk, and bald eagle. Proposed oak thinnings will encourage larger crown development and increased mast production, which in turn will provide additional food resources for species like deer and turkey.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale, which is quarried for cement products. Gravel pits are located in Section 23 and 26 and potential in the compartment is considered good on the upland areas. This area has had some drilling and production from the Antrim Shale.

Vehicle Access: Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs: Some surveying may be required for timber sale preparation on the north and west boundary.

Recreational Facilities and Opportunities: Chippewa Hills Pathway sees a lot of ski and equestrian use. Hunting is also popular.

Fire Protection: Adequate. Provided by MDNR Alpena and Ossineke VFD.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - **Cover Type by Age Class**
  - **Cover Type by Management Objective**
  - **Compartment Volume Summary**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - **Base feature information, stand numbers, cover types**
  - **Proposed treatments**
  - **Proposed road access system**
  - **Suggested potential old growth**

Cover Type & Treatment Map

83°42'0"W 83°41'0"W 83°40'0"W

44°54'0"N 44°53'0"N 44°52'0"N 44°51'0"N

W Nicholson Hill Rd

Kissau Rd

Bartz Rd

Stand # 23 — Stocking Density

(412)0) - A7

Level 3 | OI Code | Level 4

Cover Type Code

1 6120-C6
2 6120-C6
3 6123-Q6
4 6130-LM3
5 310-G0
6 4130-A3
7 4130-A3
8 6117-E9
9 4236-C9
10 6124-Q6
11 4134-A6
12 310-G0
13 4130-A3
14 4123-O8
15 4123-O9
16 4130-A3
17 4130-A3
18 4121-O9
19 4233-F3
20 4130-A3
21 4131-A9
22 6120-C9
23 6120-C6
24 6111-P3
25 4130-A6
26 4123-O9
27 4130-A3
28 4131-A3
29 4123-O9
30 4130-A3
31 6123-Q6
32 310-G0
33 6120-C6
34 4121-O9
35 4139-A6
36 320-U0
37 4130-A3
38 4123-O9
39 310-G0
40 4130-A9
41 4199-MD6
42 4211-R9
43 310-G0
44 4130-A6
45 310-G0
46 4199-MD9
47 4130-A6
48 4123-O9
49 4130-A6
50 4123-O9
51 310-G0
52 4211-R9
53 310-G0
54 310-G0
55 4123-O9
56 4199-MD9
57 4130-A3
58 310-G0
59 4123-O9
60 4112-M1
61 4123-O9
62 4123-O9
63 4123-O9
64 4211-R9
65 4123-O8
66 4123-O8

22 23 24 25 26 27 36

N

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Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Pipeline
- Stream
- Intermittent Stream
- Lakes and Rivers
- Ski Trail

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Other Treatment - See Comments

Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 320 - Upland Shrub

Compartment: 082
T29N R06E
Sec. 22, 23, 24, 25, 26, 27, 36
County: Alpena
Unit: Atlanta
YOE: 2014
Acres: 1,774 GIS Calculated
Examiner: Ridard Barber
Map Revised: 08/17/2012
Map Phase: Pre-Review

1 0.5 0 1 Miles

Stand Boundary Map

83°42'0"W 83°41'0"W 83°40'0"W

44°54'0"N 44°53'0"N 44°52'0"N

W Nicholson Hill Rd

Kissau Rd

Bartz Rd

Stand # 23 — Stocking Density

(412)0) - A7

Level 3 / Level 4 / OI Code

Cover Type Code

22 23 25 36

1 6120-C6
2 6120-C6
3 6123-Q6
4 6130-LM3
5 310-G0
6 4130-A3
7 4130-A3
8 6117-E9
9 4236-C9
10 6124-Q6
11 4134-A6
12 310-G0
13 4130-A3
14 4123-O8
15 4123-O9
16 4130-A3
17 4130-A3
18 4121-O9
19 4233-F3
20 4130-A3
21 4131-A9
22 6120-C9
23 6120-C6
24 6111-P3
25 4130-A6
26 4123-O9
27 4130-A3
28 4131-A3
29 4123-O9
30 4130-A3
31 6123-Q6
32 310-G0
33 6120-C6
34 4121-O9
35 4139-A6
36 320-U0
37 4130-A3
38 4123-O9
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49 4130-A6
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52 4211-R9
53 310-G0
54 310-G0
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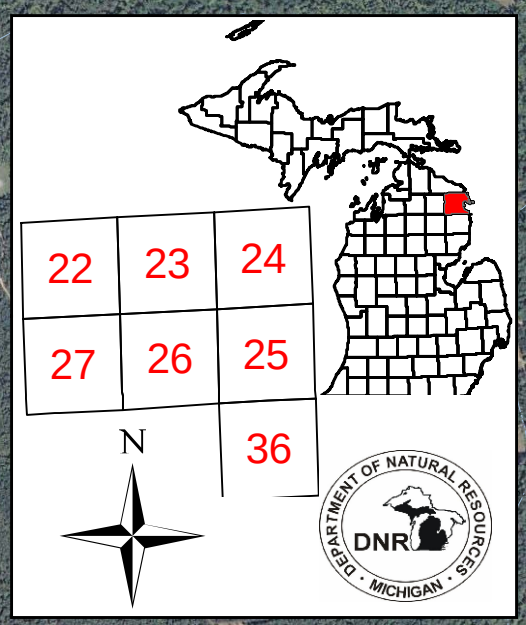
56 4199-MD9
57 4130-A3
58 310-G0
59 4123-O9
60 4112-M1
61 4123-O9
62 4123-O9
63 4123-O9
64 4211-R9
65 4123-O8
66 4123-O8



Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Pipeline
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
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Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 320 - Upland Shrub

Compartment: 082
T29N R06E
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Examiner: Ridard Barber
Map Revised: 08/17/2012
Map Phase: Pre-Review

1 0.5 0 1 Miles

Dedicated & Proposed Special Conservation Area Map

83°42'0"W 83°41'0"W 83°40'0"W

44°54'0"N 44°53'0"N 44°52'0"N

1 **6120**-C6
2 **6120**-C6
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7 **4130**-A3
8 **6117**-E9
9 **4236**-C9
10 **6124**-Q6
11 **4134**-A6
12 **310**-G0
13 **4130**-A3
14 **4123**-O8
15 **4123**-O9
16 **4130**-A3
17 **4130**-A3
18 **4121**-O9
19 **4233**-F3
20 **4130**-A3
21 **4131**-A9
22 **6120**-C9
23 **6120**-C6
24 **6111**-P3
25 **4130**-A6
26 **4123**-O9
27 **4130**-A3
28 **4131**-A3
29 **4123**-O9
30 **4130**-A3
31 **6123**-Q6
32 **310**-G0
33 **6120**-C6
34 **4121**-O9
35 **4139**-A6
36 **320**-U0
37 **4130**-A3
38 **4123**-O9
39 **310**-G0
40 **4130**-A9
41 **4199**-MD6
42 **4211**-R9
43 **310**-G0
44 **4130**-A6
45 **310**-G0
46 **4199**-MD9
47 **4130**-A6
48 **4123**-O9
49 **4130**-A6
50 **4123**-O9
51 **310**-G0
52 **4211**-R9
53 **310**-G0
54 **310**-G0
55 **4123**-O9
56 **4199**-MD9
57 **4130**-A3
58 **310**-G0
59 **4123**-O9
60 **4112**-M1
61 **4123**-O9
62 **4123**-O9
63 **4123**-O9
64 **4211**-R9
65 **4123**-O8
66 **4123**-O8

22 23 24 25 26 27 36

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

Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- SCA - Special Conservation Area
- SCA Removal

Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
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Level 3

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Compartment: 082
T29N R06E
Sec. 22, 23, 24, 25, 26, 27, 36
County: Alpena
Unit: Atlanta
YOE: 2014
Acres: 1,774 GIS Calculated
Examiner: Ridard Barber
Map Revised: 08/17/2012
Map Phase: Pre-Review

1 0.5 0 1 Miles

Table 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit **Compartment 082 Year of Entry 2014**

Richard Barber : Examiner

Age Class

	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	Total
Aspen	0	39	144	12	0	95	0	0	43	0	10	0	0	0	**342**
Cedar	0	0	0	0	0	0	0	8	0	0	43	240	0	0	**291**
Herbaceous Openland	17	0	0	0	0	0	0	0	0	0	0	0	0	0	**17**
Lowland Aspen/Balsam Poplar	0	0	26	0	0	0	0	0	0	0	0	0	0	0	**26**
Lowland Conifers	0	0	0	0	17	0	46	0	0	0	0	0	0	0	**63**
Lowland Deciduous	0	0	0	0	0	0	0	0	0	2	0	0	0	0	**2**
Lowland Mixed Forest	0	0	0	0	10	0	0	0	0	0	0	0	0	0	**10**
Mixed Upland Deciduous	0	0	0	9	0	0	0	0	0	22	38	0	0	0	**70**
Northern Hardwood	1	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Oak	0	0	0	0	0	0	0	0	0	391	384	0	0	0	**775**
Red Pine	0	0	0	0	0	145	0	0	0	0	0	0	0	0	**145**
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Upland Spruce/Fir	0	0	29	0	0	0	0	0	0	0	0	0	0	0	**29**
Total	**20**	**39**	**200**	**20**	**27**	**241**	**46**	**8**	**43**	**416**	**475**	**240**	**0**	**0**	**1774**

Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2014

Compartment 082
Total Compartment Acres: 1774

Acres by Treatment Type

Commercial Harvest - 808	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 9	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	111	0	0	0	24	0	**135**
Lowland Conifers	12	0	0	0	0	0	**12**
Mixed Upland Deciduous	0	0	0	0	61	0	**61**
Oak	0	0	0	0	561	0	**561**
Red Pine	0	0	0	0	39	0	**39**
Total	**123**	**0**	**0**	**0**	**685**	**0**	**808**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	54082010-CCR	12.1	6124 - Lowland Spruce-Fir	High Density Pole	68		Harvest	Clearcut with Reserves	6124 - Lowland Spruce-Fir	Cmpt. Review Proposal

Prescription Specs: Leave 3-10% of stand area as retention. Paint 1 chain buffers around cedar patches, to reduce windthrow. Do not cut white pine (if present), or cedar.

Other Comments:

Next Steps: Acceptable regeneration is any combination of spruce, fir, red maple or balsam poplar resulting in a medium or well stocked stand.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11	54082011-CCR	53.6	4134 - Aspen, Spruce/Fir	High Density Pole	51	1-50	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription Specs: Leave 3-10% of stand area as retention. Paint a 1 chain buffer along adjoining cedar stands to reduce windthrow. Do not cut white pine or cedar, if present.

Other Comments:

Next Steps: Acceptable regeneration is any combination of spruce, fir, red maple or aspen resulting in a medium or well stocked stand.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	54082015-CT	46.6	4123 - Red Oak	High Density Log	92	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Remove aspen, fir and maple. Paint a 1 chain buffer along adjoining cedar stands to reduce windthrow. Crop tree release red oak to 80-90 BA, where ever species removal alone will leave BA at 100 or above. Use standard trail specs. Leave 3-10% of stand area as retention.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18	54082018-CT	140.1	4121 - Oak, Aspen	High Density Log	92	111-140	Harvest	Crown Thinning	4121 - Oak, Aspen	Cmpt. Review Proposal

Prescription Specs: Crop tree release red oak to 80-90 BA. Retain all conifers. Use standard trail specs.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
21	54082021-CT	9.7	4131 - Aspen, Oak	High Density Log	102	111-140	Harvest	Crown Thinning	4131 - Aspen, Oak	Cmpt. Review Proposal

Prescription Specs: Remove aspen and maple. Leave 3-10% of stand area as retention, location to be determined. Retain all conifers. Use standard trail specs.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
29	54082029-CT	34.5	4123 - Red Oak	High Density Log	96	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Crop tree release red oak to 80-90 BA. Retain all conifers. Use standard trail specs.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34	54082034-CT	107.9	4121 - Oak, Aspen	High Density Log	92	111-140	Harvest	Crown Thinning	4121 - Oak, Aspen	Cmpt. Review Proposal

Prescription Specs: Crop tree release red oak to 80-90 BA. Retain all conifers. Use standard trail specs. Do not remove more than 1/3 of stocking at any point.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
35	54082035-CCR	15.0	4139 - Aspen, Mixed Deciduous	High Density Pole	52	51-80	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Retain all oak and conifers. Use 2" cutting spec. Leave 3-10% of stand area as retention. Use standard trail specs.

Other Comments:

Next Steps: Acceptable regeneration is any combination of, pine, maple, oak or aspen resulting in a medium or well stocked stand.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
38	54082038-CT	63.8	4123 - Red Oak	High Density Log	100	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Crop tree release red oak to 80-90 BA. Retain all conifers. Use standard trail specs.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
40	54082040-CCR	42.5	4130 - Aspen	High Density Log	87	141-170	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Specs: Cut all aspen and maple. Use 2" cutting spec. Leave 3-10% of stand area as retention. Use standard trail specs.

Other Comments:

Next Steps: Acceptable regeneration is any combination of pine, maple, oak or aspen resulting in a medium or well stocked stand.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44	54082044-CT	14.6	4130 - Aspen	High Density Pole	52	81-110	Harvest	Crown Thinning	4130 - Aspen	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2011

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
46	54082046-CT	38.3	4199 - Other Mixed Upland Deciduous	High Density Log	102	111-140	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2010

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
48	54082048-CT	38.1	4123 - Red Oak	High Density Log	102	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
50	54082050-CT	27.1	4123 - Red Oak	High Density Log	102	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
52	54082052-3rd	24.1	42110 - Planted Red Pine	High Density Log	52	141-170	Harvest	Systematic Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Remove every 3rd row of red pine, plus up to 2/3 of trees of all other species.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
55	54082055-CT	15.1	4123 - Red Oak	High Density Log	102	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Crop tree release red oak to 80-90 BA. Retain all conifers.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
56	54082056-CT	22.4	4199 - Other Mixed Upland Deciduous	High Density Log	95	81-110	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2010

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
59	54082059-CT	35.9	4123 - Red Oak	High Density Log	102	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2010

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
62	54082062-CT	23.9	4123 - Red Oak	High Density Log	102	51-80	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2010

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
63	54082063-CT	27.7	4123 - Red Oak	High Density Log	102	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription Specs: Reduce BA to 90

Other Comments: Sale prescription was approved 9-23-2003. Originally part of Poison Hill Berries, uncompleted portions where re-issued as Half Hill Berries.

Next Steps:

Proposed Start Date: 10/01/2010

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
64	54082064-3rd	15.1	42110 - Planted Red Pine	High Density Log	52	141-170	Harvest	Systematic Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Remove every 3rd row where the red pine is not stunted and 11+ inches DBH. Also remove up to 2/3 of trees of all other species within above areas of red pine harvest.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	NF_54082005-NonFor	3.2	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal

Prescription Specs: Maintain as opening through mowing and/or planting to food and cover crops for wildlife

Other Comments: May need dozer

Next Steps: Monitor for cover type and perform opening maintenance on 5-10 year rotation

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12	NF_54082012-NonFor	2.7	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal

Prescription Specs: Maintain as opening through mowing and/or planting to food and cover crops for wildlife

Other Comments:

Next Steps: Monitor for cover type and perform opening maintenance on 5-10 year rotation

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	NF_54082032-NonFor	1.6	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal

Prescription Specs: Maintain as opening through mowing and/or planting to food and cover crops for wildlife

Other Comments:

Next Steps: Monitor for cover type and perform opening maintenance on 5-10 year rotation

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
53	NF_54082053-NonFor	1.8	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal

Prescription Specs: Maintain as opening through mowing and/or planting to food and cover crops for wildlife

Other Comments:

Next Steps: Monitor for cover type and perform opening maintenance on 5-10 year rotation

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	Total Treatment Acreage Proposed:	**817.4**								

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Error							

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: **0**

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54002031-N-CCR Burn/Scarify	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete

Prescription Specs: Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54002031-N-CCR Burn/Scarify	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete

Prescription Specs: Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

Total Treatment Acreage Proposed: 5.8

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	High Density Pole	8.1	71		
2	6120 - Lowland Cedar	High Density Pole	150.5	117		
3	6123 - Lowland Fir	High Density Pole	8.8	44		cedar stumps.
4	6130 - Fir, Aspen, Maple	High Density Sapling	10.3	44		
6	4130 - Aspen	High Density Sapling	3.5	16		
7	4130 - Aspen	High Density Sapling	7.8	16	1-50	
8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	2.4	92	51-80	
9	42360 - Upland Cedar	High Density Log	43.0	102		multiple free flowing streams. understory may may be either full or absent, depending on location.
10	6124 - Lowland Spruce-Fir	High Density Pole	46.4	68		Constists of balsam fir, spruce, tag alder swamp with higher ground areas of cedar.
11	4134 - Aspen, Spruce/Fir	High Density Pole	64.2	51	1-50	
13	4130 - Aspen	High Density Sapling	14.8	25	1-50	
14	4123 - Red Oak	Medium Density Log	2.3	97	1-50	Appears to have been maintained as willdlif food plot in past, now largely sweet fern. Could mow, plant, burn, etc.
15	4123 - Red Oak	High Density Log	55.9	92	81-110	
16	4130 - Aspen	High Density Sapling	11.3	25		
17	4130 - Aspen	High Density Sapling	12.4	25		
18	4121 - Oak, Aspen	High Density Log	140.1	92	111-140	
19	42330 - Upland Fir	High Density Sapling	29.3	29		
20	4130 - Aspen	High Density Sapling	23.5	16		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4131 - Aspen, Oak	High Density Log	9.7	102	111-140	New stand added.
22	6120 - Lowland Cedar	High Density Log	16.1	117		
23	6120 - Lowland Cedar	High Density Pole	66.6	117		
24	6111 - Lowland Balsam Poplar	High Density Sapling	26.4	28		New stand added. free flowing stream. former cedar stand.
25	4130 - Aspen	High Density Pole	24.5	26	1-50	
26	4123 - Red Oak	High Density Log	49.8	97	81-110	Thinned 1995.
27	4130 - Aspen	High Density Sapling	11.7	38	1-50	
28	4131 - Aspen, Oak	High Density Sapling	11.7	25	1-50	
29	4123 - Red Oak	High Density Log	35.3	96	81-110	
30	4130 - Aspen	High Density Sapling	3.9	27	1-50	
31	6123 - Lowland Fir	High Density Pole	8.2	49		east end of stand is more upland, 2" dbh balsam fir and larger cedar.
33	6120 - Lowland Cedar	High Density Pole	6.4	117		intermittent stream.
34	4121 - Oak, Aspen	High Density Log	107.9	92	111-140	
35	4139 - Aspen, Mixed Deciduous	High Density Pole	16.5	52	51-80	
37	4130 - Aspen	High Density Sapling	3.8	16	1-50	
38	4123 - Red Oak	High Density Log	68.4	100	81-110	
40	4130 - Aspen	High Density Log	42.5	87	141-170	
41	4199 - Other Mixed Upland Deciduous	High Density Pole	8.8	37	1-50	New stand added.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	42110 - Planted Red Pine	High Density Log	106.2	53	111-140	
44	4130 - Aspen	High Density Pole	14.6	52	81-110	
46	4199 - Other Mixed Upland Deciduous	High Density Log	38.3	102	111-140	
47	4130 - Aspen	High Density Pole	21.7	26	1-50	
48	4123 - Red Oak	High Density Log	38.1	102	111-140	
49	4130 - Aspen	High Density Pole	22.9	26	1-50	
50	4123 - Red Oak	High Density Log	27.1	102	111-140	
52	42110 - Planted Red Pine	High Density Log	24.1	52	141-170	
55	4123 - Red Oak	High Density Log	15.1	102	111-140	
56	4199 - Other Mixed Upland Deciduous	High Density Log	22.4	95	81-110	
57	4130 - Aspen	High Density Sapling	21.2	26		
59	4123 - Red Oak	High Density Log	35.9	102	111-140	
60	4112 - Maple, Beech, Cherry Association	Low Density Sapling	1.1	5		Most maple from seed. Most oak from sprouts. High density of oak seedlings up to 2 feet high. Few oak saplings from seed.
61	4123 - Red Oak	High Density Log	101.8	102	51-80	Thinned 2007.
62	4123 - Red Oak	High Density Log	23.9	102	51-80	
63	4123 - Red Oak	High Density Log	27.7	102	81-110	
64	42110 - Planted Red Pine	High Density Log	15.1	52	141-170	
65	4123 - Red Oak	Medium Density Log	7.4	102	81-110	thinned 2007

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
66	4123 - Red Oak	Medium Density Log	38.1	102	81-110	Thinned 2007.

6 – Nonforested Stands

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	3102 - Grass	3.2	N\A	Unspecified	
12	3102 - Grass	2.7	N\A	Unspecified	New stand added.
32	3102 - Grass	1.6	N\A	Unspecified	
36	320 - Upland Shrub	1.8	N\A	Unspecified	
39	3102 - Grass	1.3	N\A	Unspecified	
43	3102 - Grass	1.0	N\A	Unspecified	
45	3102 - Grass	1.8	N\A	Unspecified	New stand added.
51	3102 - Grass	1.0	N\A	Unspecified	
53	3102 - Grass	1.8	N\A	Unspecified	
54	3102 - Grass	1.2	N\A	Unspecified	
58	3102 - Grass	1.0	N\A	Unspecified	

Data updated before 2:00 PM

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
52	SCA Removal	54082052 og NOT	0.3	
61	SCA Removal	54082061 og NOT	100.2	
61	SCA Removal	54082061 og NOT_small	0.2	
61	SCA Removal	54082061 og NOT_small_1	1.4	
62	SCA Removal	54082062 og NOT	23.9	
64	SCA Removal	54082064 og NOT	1.1	
53	SCA Removal	NF_54082053 og NOT	1.6	

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.