ATLANTA FOREST MANAGEMENT UNIT

COMPARTMENT REVIEW PRESENTATION

COMPARTMENT 042 ENTRY YEAR: 2012

Compartment Acreage: 1619 County: Montmorency

Revision Date: October 26, 2010

Stand Examiner: Major

Legal Description: T31N, R2E, Sec. 19, 30 & 31

RMU (if applicable): Rattlesnake Hills

Management Goals: Hardwood and aspen management, plus protection of Green Swamp.

Soil and Topography: Excluding the Green Swamp, the compartment is typically steep, PArVVb, or AFO.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Surrounding ownership is mostly other state land, except to the south which is mixed hunting land and farms.

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: None.

Watershed and Fisheries Considerations: Packer Creek is a cold water type 1 stream..

Wildlife Habitat Considerations: The northern portion of this compartment is within the "Green Swamp," a large cedar swamp complex unique in the state. The area will be left undisturbed and is important for black bear, bobcat, showshoe hare, massasauga rattlesnake, songbirds, raptors, owls. reptiles, and amphibians. The southern and eastern portion is composed of aspen and hardwood stands with openings maintained for deer, elk, and turkey. Pileated woodpeckers, ruffed grouse, and barred owl are found in this compartment.

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 400 and 600 feet. Beneath the glacial drift are the Mississippian Berea Sandstone and Bedford Shale. There is no known economic use for these formations. The nearest gravel pit is two miles to the southwest, and potential in the compartment is considered good in the south half. This area has been drilled and is producing gas from the Antrim Shale. Additional drilling is possible in Section 19.

Vehicle Access: Access is reasonably good given the topography. Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs: ?????????? None. Surveying will be required to prove trespass for timber sale preparation.

Recreational Facilities and Opportunities: The High Country Pathway clips the north end of this compartment. Mushrooming and horseback riding are also popular.

Fire Protection: Adequate.

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

Compartment 42
T31N, R02E, Sec. 19, 30-31
County: Montmorency
Unit: Atlanta
YOE: 2012
Acres: 1,619 GIS Calculated
Stand Examiner: Jeffrey Major
Map Revised: 8/16/2010
Map Phase: Pre-Review

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

Legend

- Miris Corners
- County Paved Roads
- Paved Roads
- Trails

Utility Lines
TYPE
- Pipeline
- Powerline

- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Gate

Treatments
- Clearcut (w/Reserves, Patch/Strip)
- Other Treatment - See Comments

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland

19 | 30 | 31

Michigan DNRE

1 629-L0
2 310-G0
3 6120-C5
4 6120-C5
5 6128-Q5
6 6124-Q5
7 310-G0
8 4226-MC9
9 310-G0
10 6129-Q5
11 6128-Q5
12 6129-Q6
13 6122-S5
14 622-L0
15 622-L0
16 622-L0
17 310-G0
18 4130-A6
19 310-G0
20 6122-S6
21 4130-A6
22 4119-M6
23 310-G0
24 6112-P9
25 6117-E6
26 4140-B5
27 310-G0
28 310-G0
29 4130-A3
30 6130-E4
31 310-G0
32 310-G0
33 310-G0
34 4211-R9
35 310-G0
36 310-G0
37 110-X0
38 4211-R6
39 310-G0
40 4119-M6
41 310-G0
42 4130-A6
43 310-G0
44 310-G0
45 4111-M6
46 4111-M6
47 310-G0
48 4130-A9
49 310-G0
50 4130-A3
51 310-G0
52 4110-M6
53 310-G0
54 310-G0
55 4130-A3
56 4110-M9
57 310-G0
58 310-G0

County Road 622
Snowshoe Ln
Oxbow Trl
Roth Rd
Rouse Rd
Mills Rd
Meadow Rd
Manier Rd
E Manier Rd
Secrist Rd
Thornton Rd
Beechler Rd
E Kellyville Rd
S Kelleyville Rd
Licht Rd
Sherwood Trl
Valentine Rd

84°16'0"W 84°15'0"W 84°14'0"W 84°13'0"W 84°12'0"W
45°5'0"N 45°4'0"N 45°3'0"N 45°2'0"N 45°1'0"N
84°17'0"W

1 0.5 0 1 Miles

Stand Boundary Map

Compartment 42
T31N, R02E, Sec. 19, 30-31
County: Montmorency
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Stand # 23 — Stocking Density
(412)0) - A7
Level 3 / Level 4 — OI Code
Cover Type Code

Legend

- Miris Corners
- County Paved Roads
- Paved Roads
- Trails
- Pipeline
- Powerline
- Gate
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stand Boundaries

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
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Non-Forest Stands
Level 3
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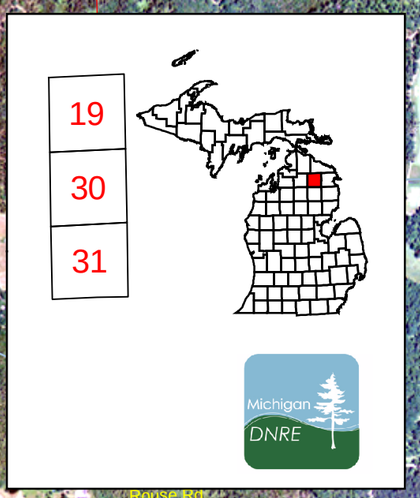
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



1 0.5 0 1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment 42
T31N, R02E, Sec. 19, 30-31
County: Montmorency
Unit: Atlanta
YOE: 2012
Acres: 1,619 GIS Calculated
Stand Examiner: Jeffrey Major
Map Revised: 8/16/2010
Map Phase: Pre-Review

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

Legend
- Miris Corners
- Stand Boundaries

Dedicated Special Conservation Areas
- Cold Water Streams

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 110 - Low Intensity Urban
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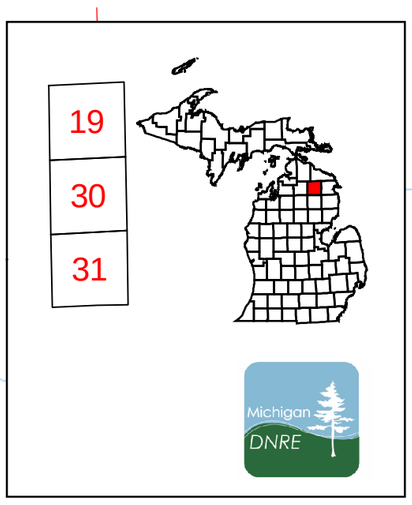

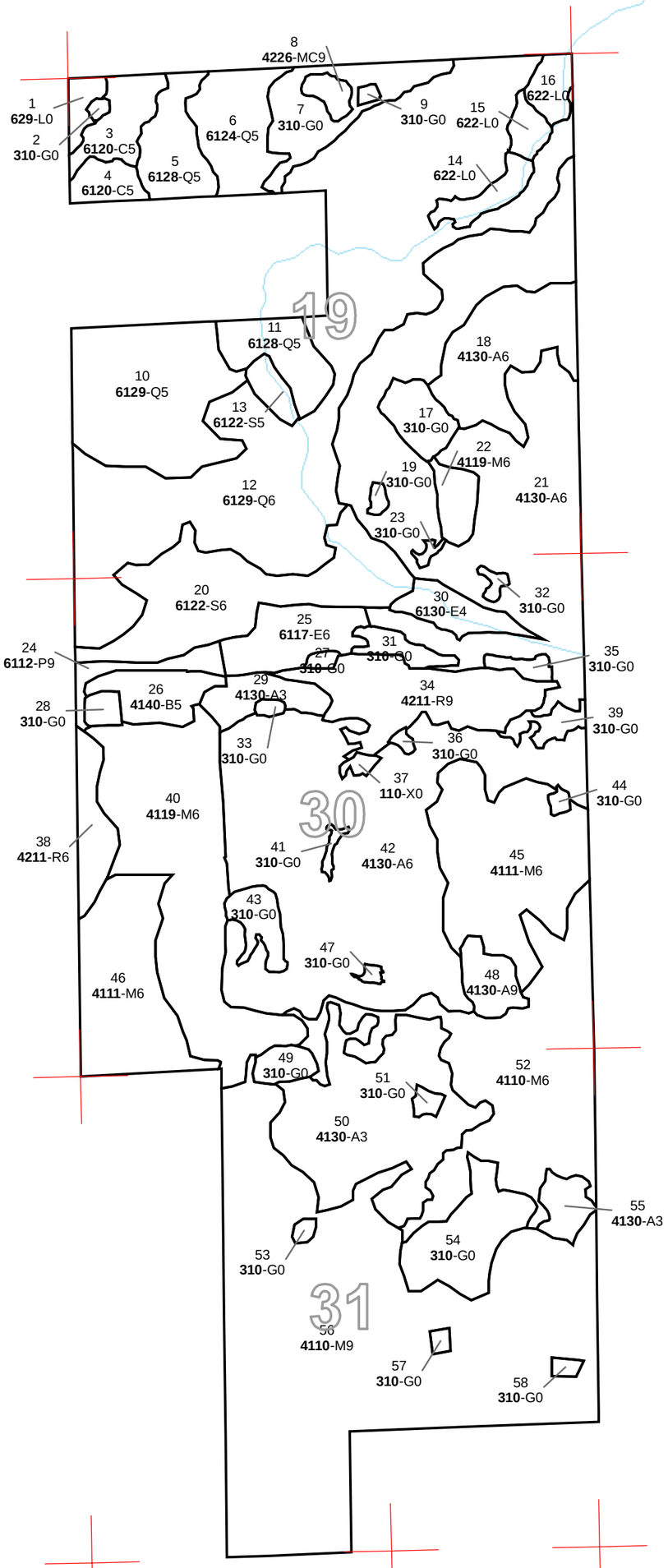

1 0.5 0 1 Miles

84°16'0"W 84°15'0"W 84°14'0"W 84°13'0"W 84°12'0"W
45°5'0"N 45°4'0"N 45°3'0"N 45°2'0"N 45°1'0"N

Table 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit **Compartment 042 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	0	85	0	167	195	0	0	9	0	0	0	0	0	0	**456**
Cedar	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	**20**
Herbaceous Openland	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**85**
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	**7**
Lowland Conifers	0	0	0	0	0	0	17	0	95	205	0	0	0	0	0	**317**
Lowland Deciduous	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	**19**
Lowland Mixed Forest	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	**10**
Lowland Shrub	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**23**
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	5	55	0	0	0	0	0	**60**
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	**22**
Northern Hardwood	0	0	0	0	0	7	59	44	84	340	0	0	0	0	0	**535**
Paper Birch	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	**13**
Red Pine	0	0	0	0	0	0	37	0	0	13	0	0	0	0	0	**49**
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Total	**110**	**0**	**85**	**0**	**186**	**213**	**127**	**44**	**193**	**662**	**0**	**0**	**0**	**0**	**0**	**1619**

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit
Year of Entry 2012

Compartment 042
Total Compartment Acres: 1619

Acres by Treatment Type

Commercial Harvest - 52	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 58	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	9	0	0	0	0	0	**9**
Lowland Aspen/Balsam Poplar	7	0	0	0	0	0	**7**
Natural Mixed Pines	22	0	0	0	0	0	**22**
Paper Birch	13	0	0	0	0	0	**13**
Total	**52**	**0**	**0**	**0**	**0**	**0**	**52**

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
8	54042008-Cut	22.4	42260 - Natural Pine, Mixed Deciduous	High Density Log	88	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Harvest to release fully established w pine regen. expect regen from red maple and aspen stump sprouting and root suckers. leave tree marking, leave 1-3 oak and or pine per acre.

Other Comments:

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
24	54042024-Cut	7.1	6112 - Lowland Aspen	High Density Log	82	Harvest	Clearcut	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Clearcut. No retention due to size of stand. Expect natural regen of aspen, red maple.

Other Comments: Stand borders Meaford Rd.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
26	54042026CC-Cut	13.2	4140 - Other Upland Deciduous	Medium Density Pole	54	Harvest	Clearcut with Reserves	Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Clear cut to release advanced aspen and red maple regen before it is too shaded and dies off. Leave white pine in stand for aesthetics. Harvest with cut to length systems to protect advanced regeneration.

Other Comments: Aspen and majority of red maple was cut out of Stand several years ago.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
48	54042048-Cut	9.1	4130 - Aspen	High Density Log	78	Harvest	Clearcut	Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Clearcut with no retention due to size of stand. Expect natural regen.

Other Comments: Overmature aspen stand that should be regenerated. Consider steep ground, roadwork, small acreage and elk sign. Small sale that would be hard to sell and most likely regen would fail due to elk.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	NF_54042019-NonFor	1.3	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
23	**NF_54042023-NonFor**	1.0	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

31	**NF_54042031-NonFor**	5.4	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

32	**NF_54042032-NonFor**	1.4	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

35	**NF_54042035-NonFor**	3.0	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

39	**NF_54042039-NonFor**	5.0	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

41	**NF_54042041-NonFor**	1.3	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

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
43	**NF_54042043-NonFor**	8.1	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

49	**NF_54042049-NonFor**	5.1	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

51	**NF_54042051-NonFor**	1.7	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

54	**NF_54042054-NonFor**	24.4	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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

Total Treatment Acreage Proposed: 109.5

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
022_St28C.Cut	25.0				Harvest	Clearcut with Reserves	Oak, Aspen	Cmpt. Review Proposal

Prescription Specs: Cut with stand 14 in Compartment 24. Clear cut: In areas of heavy oak leave up to 10-20BA of oak and pine. In areas predominantly apsen only leave scattered oak.

Other Comments: Acceptable regen is any mix of aspen, oak and pine. Some white pine is present. Leave both a mix red and white oak. No retention is needed because leaving steep slope along northern edge of stand.

Next Steps: Regen survey 3-5 yrs after harvest.

54030_OutOfYOE-STR	1.2				Harvest	Seed Tree with Reserves	Natural Red Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: MMark red pine residual to average tree height spacing. Leave 10 BA white pine and all oak, if present. Paint in 2 chain wide buffer along High Country Pathway, using pathway as centerline. Allow whole tree skidding; require chipping of tops, with movement of tops to approved landings to be done concurrently with harvesting. Post sale: scarify sale area to regenerate red pine, but may exclude areas of heavy white pine regeneration.

Other Comments:

Next Steps: Continued scarification until full stocking of red pine is achieved.

54004_St8-Burn	12.1				Prescribed Burn	Unspecified	Red Oak	Cmpt. Review Proposal

Prescription Specs: Burn with adjacent stand in Compartment 24. Understory burn to remove red maple regeneration

Other Comments:

Next Steps: follow up with timber harvest next entry.

Total Treatment Acreage Proposed: **38.2**

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
3	6120 - Lowland Cedar	Medium Density Pole	12.9	83		
4	6120 - Lowland Cedar	Medium Density Pole	7.1	82		
5	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	17.4	54		
6	6124 - Lowland Spruce-Fir	Medium Density Pole	22.8	74		
8	42260 - Natural Pine, Mixed Deciduous	High Density Log	22.4	88	81-110	harvest to release fully established w pine regen. expect regen from red maple and aspen stump sprouting and root suckers. leave tree marking, leave 1-3 oak and or pine per acre.
10	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	55.7	78		
11	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	16.1	70		
12	6129 - Mixed Coniferous Lowland Forest	High Density Pole	205.3	87		
13	6122 - Black Spruce	Medium Density Pole	5.0	78		
18	4130 - Aspen	High Density Pole	34.9	40		
20	6122 - Black Spruce	High Density Pole	55.1	82		
21	4130 - Aspen	High Density Pole	160.0	40		
22	4119 - Mixed Northern Hardwoods	High Density Pole	7.4	40		
24	6112 - Lowland Aspen	High Density Log	7.1	82		harvest stand to regenerate aspen.
25	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	18.6	38		
26	4140 - Other Upland Deciduous	Medium Density Pole	13.2	54		
29	4130 - Aspen	High Density Sapling	10.7	16		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
30	6130 - Fir, Aspen, Maple	Low Density Pole	10.3	46		
34	42110 - Planted Red Pine	High Density Log	36.7	55	111-140	
38	42110 - Planted Red Pine	High Density Pole	12.6	85		super steep, way too steep to log.
40	4119 - Mixed Northern Hardwoods	High Density Pole	84.2	72		super steep throughout.
42	4130 - Aspen	High Density Pole	167.4	32		
45	4111 - S.Maple, Hard Mast Association	High Density Pole	59.4	51		very steep
46	4111 - S.Maple, Hard Mast Association	High Density Pole	44.3	64		
48	4130 - Aspen	High Density Log	9.1	78		Overmature aspen stand that should be regenerated. Consider steep ground, roadwork, small acreage and elk sign. Small sale that would be hard to sell and most likely regen would fail due to elk.
50	4130 - Aspen	High Density Sapling	66.7	16		
52	4110 - Sugar Maple Association	High Density Pole	93.0	82	81-110	
55	4130 - Aspen	High Density Sapling	7.2	16		
56	4110 - Sugar Maple Association	High Density Log	246.6	84	81-110	harvested 3 years ago.

Stand	Cover Type	Acres	Gen Cmts:
1	629 - Mixed non-forested wetland	4.4	
2	310 - Herbaceous Openland	0.9	
7	310 - Herbaceous Openland	3.8	
9	310 - Herbaceous Openland	0.9	
14	6220 - Alder/willow	7.3	
15	622 - Lowland Shrub	4.8	
16	6220 - Alder/willow	6.4	
17	310 - Herbaceous Openland	10.1	
19	310 - Herbaceous Openland	1.3	
23	310 - Herbaceous Openland	1.0	
27	310 - Herbaceous Openland	1.2	
28	310 - Herbaceous Openland	3.0	
31	310 - Herbaceous Openland	5.4	
32	310 - Herbaceous Openland	1.4	
33	310 - Herbaceous Openland	1.1	
35	310 - Herbaceous Openland	3.0	
36	310 - Herbaceous Openland	0.9	
37	11 - Low Intensity Urban	1.5	

Stand	Cover Type	Acres	Gen Cmts:
39	310 - Herbaceous Openland	5.0	
41	310 - Herbaceous Openland	1.3	
43	310 - Herbaceous Openland	8.1	
44	310 - Herbaceous Openland	1.2	
47	310 - Herbaceous Openland	0.9	
49	310 - Herbaceous Openland	5.1	
51	310 - Herbaceous Openland	1.7	
53	310 - Herbaceous Openland	1.2	
54	310 - Herbaceous Openland	24.4	
57	310 - Herbaceous Openland	1.1	
58	310 - Herbaceous Openland	1.3	

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

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.