ATLANTA FOREST MANAGEMENT UNIT

COMPARTMENT REVIEW PRESENTATION

COMPARTMENT 147 ENTRY YEAR: 2012

Compartment Acreage: 1749 County: Presque Isle

Revision Date: October 26, 2010

Stand Examiner: Barber

Legal Description: T35N, R3E, Sec. 1, 2, 10, 11 & 12; T35N, R4E, Sec. 5 &6

RMU (if applicable): Hammond Bay Lake Plain

Management Goals: Regenerate aspen and conifers.

Soil and Topography: This compartment has little elevation change, but alternates rapidly between PArVHa and PArVCo/wetland.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Surrounding lands are a mix of state land and hunting lands, with farms to the west a couple of miles.

Unique, Natural Features (include only non-site specific and non-sensitive information): None reported. One or more occurrences have been reported for this compartment.

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

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations: The Ocqueoc River receives potadromous runs of steelhead and Chinook salmon, even some coho salmon and is important to river anglers. Silver Creek is a high quality wild brook trout stream (based recent surveys at multiple sites) that sees its own share of steelhead natural

production. It is also the site of extensive overuse by beavers in its middle reaches, but will be receiving many improvements upstream at various road stream crossings starting this year.

Wildlife Habitat Considerations: Compartment 147 is part of a larger swamp and upland complex. Game species likely to be present in this compartment include white-tailed deer, black bear, coyote, red fox, bobcat, ruffed grouse, beaver, and snowshoe hare. Additional species with potential to be present include northern wood duck, red-shouldered hawk, pileated woodpecker, veery, long-tailed weasel, deer mouse, black-capped chickadee, red-breasted nuthatch, common garter snake, brown snake, tiger salamander, and gray treefrog.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of Lacustrine (lake) sand and gravel. The glacial drift thickness varies between 0 and 100 feet, thickening to the east. Beneath the glacial drift is the Devonian Dundee Limestone, used for limestone/stone. A limestone quarry is located eleven miles to the southeast. The nearest gravel pit is located within one mile to the northeast and potential appears to be limited. This area has had no drilling for oil and gas. Oil and gas producing Silurian Niagaran Reefs are located seven miles to the southeast. Section 1 and 6 are leased for oil and gas development.

Vehicle Access: Access is restricted along the snowmobile trail in the northeast due to wet conditions.

Survey Needs: Surveying may be required for timber sale preparation in sections 6, 10 and 11.

Recreational Facilities and Opportunities: Snowmobiling and hunting are the main opportunities.

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 147
T35N, R03E, Sec. 1, 2, 10 & 11
T35N, R04E, Sec. 5 & 6
County: Presque Isle
Unit: Atlanta
YOE: 2012
Acres: 1,749 GIS Calculated
Stand Examiner: Richard Barber
Map Revised: 8/17/2010
Map Phase: Pre-Review

Legend

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Power
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Snowmobile Trails

Treatments
- Seed Tree (w/Reserves)
- Clearcut (w/Reserves, Patch/Strip)

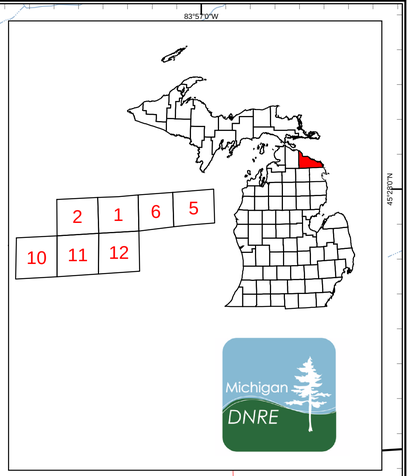
Forest Stands

Level 3
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

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



Michigan DNRE

1 0.5 0 1 Miles

Stand Boundary Map

Compartment 147
T35N, R03E, Sec. 1, 2, 10 & 11
T35N, R04E, Sec. 5 & 6
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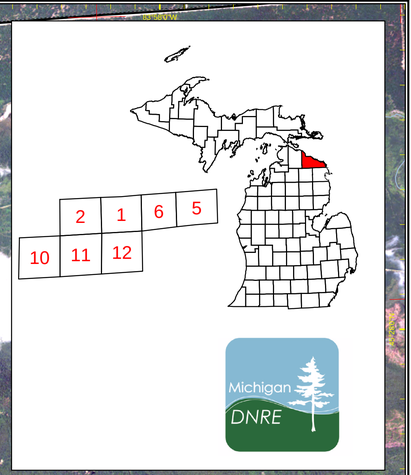
Stand # 23 — Stocking Density
(412)0) - A7
Level 3 — OI Code
Level 4
Cover Type Code



Michigan DNRE

Legend

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Power
- Intermittent Stream/Drain
- Stream
- Snowmobile Trails
- Stand Boundaries

Forest Stands
Level 3
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
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Non-Forest Stands
Level 3
- 310 - Herbaceous Openland
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1 0.5 0 1 Miles

Compartment 147
T35N, R03E, Sec. 1, 2, 10 & 11
T35N, R04E, Sec. 5 & 6
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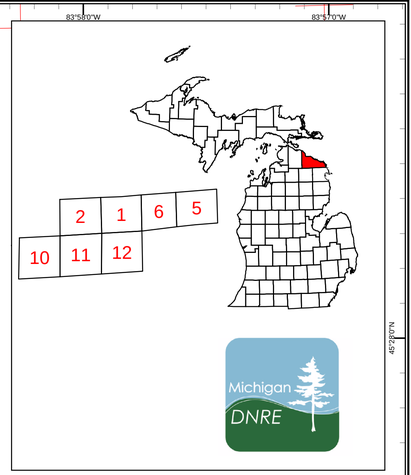
Map Revised: 8/17/2010
Map Phase: Pre-Review

Dedicated & Proposed Special Conservation Area Map

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



Legend

- Miris Corners
- Dedicated Special Conservation Area
- Cold Water Streams
- Stand Boundaries

Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
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Non-Forest Stands

Level 3

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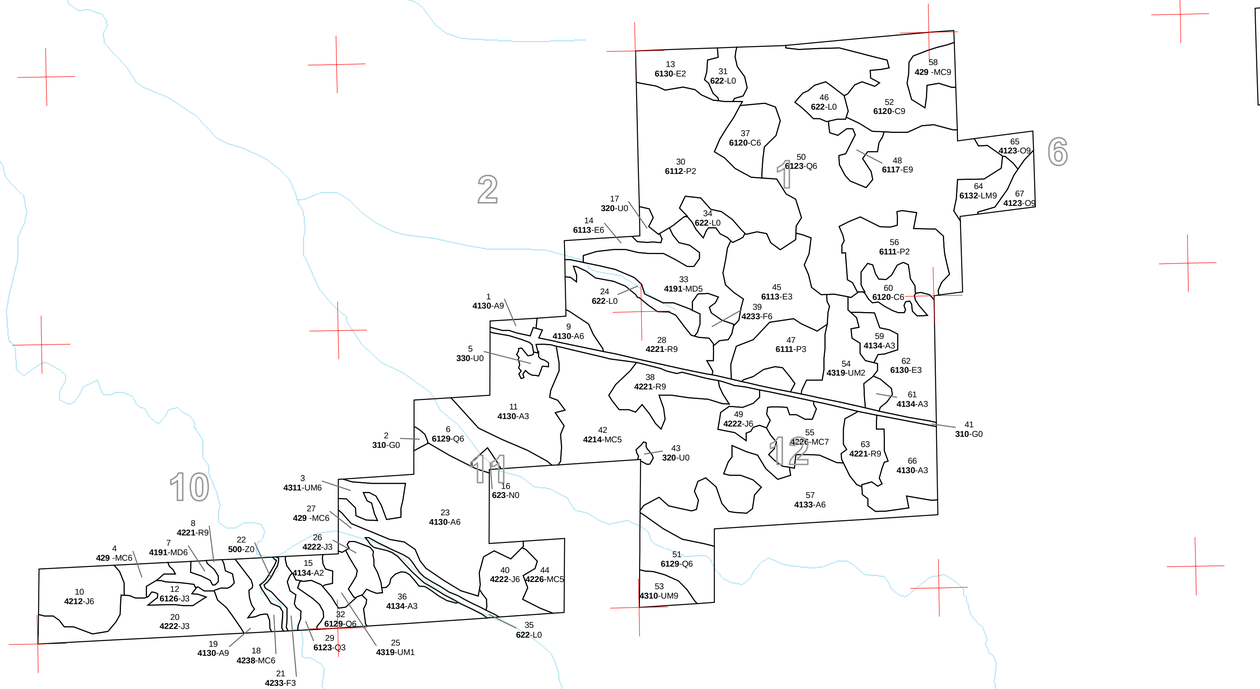

1 0.5 0 1 Miles

Table 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit **Compartment 147 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	59	62	15	83	0	77	0	14	13	0	0	0	0	0	**323**
Cedar	0	0	0	0	0	0	0	0	0	0	21	66	0	3	0	**90**
Herbaceous Openland	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**17**
Jack Pine	0	0	55	0	20	34	21	0	0	0	0	0	0	0	0	**129**
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**4**
Lowland Aspen/Balsam Poplar	0	0	144	31	0	0	0	0	0	0	0	0	0	0	0	**174**
Lowland Conifers	0	0	0	6	0	0	0	0	194	0	11	57	0	0	0	**269**
Lowland Deciduous	0	0	0	0	0	0	0	0	74	0	13	0	0	0	0	**87**
Lowland Mixed Forest	0	0	0	43	0	0	21	0	13	0	0	0	0	0	0	**77**
Lowland Shrub	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**48**
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	46	3	0	0	0	0	0	**49**
Natural Mixed Pines	0	0	0	0	0	0	18	26	0	0	0	0	0	0	0	**44**
Northern Hardwood	0	0	0	0	0	0	0	0	0	47	0	0	0	0	0	**47**
Oak	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	**18**
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	**130**
Red Pine	0	0	0	0	0	0	0	79	0	8	0	18	0	0	0	**105**
Upland Conifers	0	0	0	0	0	0	0	0	0	22	11	20	0	0	0	**53**
Upland Mixed Forest	0	0	9	29	12	0	0	0	0	10	0	0	0	0	0	**60**
Upland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Upland Spruce/Fir	0	0	0	0	8	0	8	0	0	0	0	0	0	0	0	**16**
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Total	**79**	**59**	**269**	**124**	**122**	**34**	**144**	**105**	**359**	**103**	**55**	**161**	**0**	**3**	**130**	**1749**

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit
Year of Entry 2012

Compartment 147
Total Compartment Acres: 1749

Acres by Treatment Type

Commercial Harvest - 116	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 13	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	27	0	0	0	0	0	**27**
Jack Pine	21	0	0	0	0	0	**21**
Mixed Upland Deciduous	3	0	0	0	0	0	**3**
Oak	18	0	0	0	0	0	**18**
Red Pine	8	0	42	0	0	0	**51**
Upland Mixed Forest	10	0	0	0	0	0	**10**
Total	**87**	**0**	**42**	**0**	**0**	**0**	**129**

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
1	54147001-CCR	3.8	4130 - Aspen	High Density Log	70	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Do not cut red pine, white pine, oak, hemlock or white-cedar, if present. 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:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
7	54147007-CCR	2.7	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	85	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: 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: Close two-track at north and south end on completion of sale. This closed road was recently used to access a private timber sale, and has yet to blocked.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	54147008-CCR	8.3	42210 - Natural Red Pine	High Density Log	85	Harvest	Clearcut with Reserves	Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Do not cut white pine. 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: Trench and plant red pine.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9	54147009-CCR	10.4	4130 - Aspen	High Density Pole	70	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Do not cut red pine, white pine, oak, hemlock or white-cedar, if present. 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:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	54147019-CCR	12.7	4130 - Aspen	High Density Log	85	Harvest	Clearcut with Reserves	Aspen, Mixed Pine	Cmpt. Review Proposal

Prescription Specs: Do not cut, white pine, hemlock or white-cedar, if present. 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. Leave 5% crown cover in red pine. May need whole tree skid to reduce balsam fir understory.

Other Comments:

Next Steps:

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
38	54147038-STR	24.3	42210 - Natural Red Pine	High Density Log	62	Harvest	Seed Tree with Reserves	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Mark residual red pine to average tree height spacing. Require both whole tree skidding and chipping of tops. Post sale: Scarify remaining sale area to regenerate red pine.

Other Comments:

Next Steps: Trench and plant red pine in areas of insufficient regeneration.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
40	54147040-CCR	20.9	42220 - Natural Jack Pine	High Density Pole	55	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Do not cut white pine, or oak, if present. 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. Protect advanced oak regeneration.

Other Comments:

Next Steps: Trench and plant JP if regeneration is inadequate.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
53	54147053-CCR	10.3	4310 - Pine, Oak Mix	High Density Log	80	Harvest	Clearcut with Reserves	Pine, Oak Mix	Cmpt. Review Proposal

Prescription Specs: 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. In sale area, retain 5% canopy cover each in red pine and white pine. Protect advanced oak and white pine regeneration.

Other Comments:

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
63	54147063-STR	18.0	42210 - Natural Red Pine	High Density Log	105	Harvest	Seed Tree with Reserves	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Do not cut white pine or oak, if present. Mark red pine residual to average tree height spacing. Require whole tree skidding, with chipping of tops. Post sale: Scarify sale area to regenerate red pine and oak, but may exclude areas of good pine regeneration...

Other Comments:

Next Steps: Post sale: Scarify sale area to regenerate red pine and oak, but may exclude areas of good pine regeneration...

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
65	54147065-CCR	8.0	4123 - Red Oak	High Density Log	70	Harvest	Clearcut with Reserves	Oak, Pine	Cmpt. Review Proposal

Prescription Specs: 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. Place 2 chain buffer on seeps and vernal ponds, as well as areas of hemlock, hemlock regeneration, and cedar (including adjacent stands). Leave at least 5% crown cover each in white pine and red pine. This should be evenly distributed throughout the harvest area. Protect white pine and red pine regeneration.

Other Comments: hemlock regeneration 3-30'. cedar present.

Next Steps:

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**

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
67	54147067-CCR	9.5	4123 - Red Oak	High Density Log	70	Harvest	Clearcut with Reserves	Oak, Pine	Cmpt. Review Proposal

Prescription Specs: 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. Paint steep slopes out of sale. Paint a 2 chain buffer on seeps and vernal ponds, as well as areas of hemlock, hemlock regeneration, and cedar (including adjacent stands). Do not cut red pine or white pine. Protect white pine and red pine regeneration.

Other Comments:

Next Steps:

Total Treatment Acreage Proposed: **128.9**

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:
1	4130 - Aspen	High Density Log	3.8	70	51-80	
3	4311 - Pine, Aspen Mix	High Density Pole	12.4	39	51-80	
4	429 - Mixed Upland Conifers	High Density Pole	8.4	85		barely upland. vernal ponds throughout.
6	6129 - Mixed Coniferous Lowland Forest	High Density Pole	29.8	102		Silver Creek flows through strand.
7	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	2.7	85		
8	42210 - Natural Red Pine	High Density Log	8.3	85	81-110	
9	4130 - Aspen	High Density Pole	10.4	70	51-80	
10	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	33.5	48	1-50	Nearly PVCd.
11	4130 - Aspen	High Density Sapling	54.5	17	1-50	
12	6126 - Lowland Jack Pine	High Density Sapling	7.4	14		leather leaf
13	6130 - Fir, Aspen, Maple	Medium Density	20.5	50		
14	6113 - Lowland Maple	High Density Pole	15.0	78		
15	4134 - Aspen, Spruce/Fir	Medium Density	7.1	14		braken fern with cattails and tag alder.
18	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	10.5	90		New stand added. Seeps. River. Slopes approaching 100% in places.
19	4130 - Aspen	High Density Log	12.7	85	81-110	
20	42220 - Natural Jack Pine	High Density Sapling	38.6	14		2 x 3 foot spacing
21	42330 - Upland Fir	High Density Sapling	7.7	39		Stream from east, flows into Ocqueoc River.
23	4130 - Aspen	High Density Pole	82.6	39	51-80	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
25	4319 - Mixed Upland Forest	Low Density Sapling	8.9	14		
26	42220 - Natural Jack Pine	High Density Sapling	8.6	14		
27	429 - Mixed Upland Conifers	High Density Pole	20.3	102		Steep slopes. Stream at bottom
28	42210 - Natural Red Pine	High Density Log	54.4	62	111-140	PArVHa
29	6123 - Lowland Fir	High Density Sapling	6.5	25		
30	6112 - Lowland Aspen	Medium Density	103.4	14		Also present are east-west low ridges of upland and frequent patches of lowland shrub. Very hummocky.
32	6129 - Mixed Coniferous Lowland Forest	High Density Pole	11.1	90		
33	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	45.9	78		over all upland, but many vernal ponds and swales
36	4134 - Aspen, Spruce/Fir	High Density Sapling	24.9	5		
37	6120 - Lowland Cedar	High Density Pole	21.1	90		More hummocky and wet than 74.
38	42210 - Natural Red Pine	High Density Log	24.3	62	111-140	PArVHa
39	42330 - Upland Fir	High Density Pole	8.0	50	1-50	
40	42220 - Natural Jack Pine	High Density Pole	20.9	55		New stand added.
42	42140 - Planted Mixed Pine	Medium Density Pole	130.5	Uneven Age		
44	42260 - Natural Pine, Mixed Deciduous	Medium Density Pole	17.6	55		wp understory almost pole size in many places.
45	6113 - Lowland Maple	High Density Sapling	58.9	78		
47	6111 - Lowland Balsam Poplar	High Density Sapling	30.8	25		
48	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	12.7	90		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	42220 - Natural Jack Pine	High Density Pole	19.8	30		
50	6123 - Lowland Fir	High Density Pole	194.4	70		may have areas which are heavy to cedar, esp. west of the snowmobile trail.
51	6129 - Mixed Coniferous Lowland Forest	High Density Pole	26.9	102		Silver Creek flows through stand.
52	6120 - Lowland Cedar	High Density Log	52.6	100		New stand added.
53	4310 - Pine, Oak Mix	High Density Log	10.3	80	111-140	
54	4319 - Mixed Upland Forest	Medium Density	28.8	25		
55	42260 - Natural Pine, Mixed Deciduous	Low Density Log	26.2	60		Very open.
56	6111 - Lowland Balsam Poplar	Medium Density	40.2	16		
57	4133 - Aspen, Mixed Pine	High Density Pole	77.2	50	81-110	Stand varies between diverse pine, oak and aspen mix vs. aspen monoculture. PArVHa.
58	429 - Mixed Upland Conifers	High Density Log	13.6	80		barely upland
59	4134 - Aspen, Spruce/Fir	High Density Sapling	10.1	25	1-50	
60	6120 - Lowland Cedar	High Density Pole	13.2	106		
61	4134 - Aspen, Spruce/Fir	High Density Sapling	4.8	25	1-50	
62	6130 - Fir, Aspen, Maple	High Density Sapling	43.1	25		
63	42210 - Natural Red Pine	High Density Log	18.0	105	81-110	PArVHa.
64	6132 - Mixed Lowland Forest with Cedar	High Density Log	13.5	70	111-140	up to half the cedar blew down maybe thirty years ago. Appears to be just into log decomposition class 2.
65	4123 - Red Oak	High Density Log	8.0	70	81-110	hemlock regeneration 3-30'. cedar present.
66	4130 - Aspen	High Density Sapling	34.6	5		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
67	4123 - Red Oak	High Density Log	9.5	70	81-110	hemlock clumps present
68	4119 - Mixed Northern Hardwoods	High Density Pole	46.7	85		
69	6120 - Lowland Cedar	High Density Pole	3.4	130		

Stand	Cover Type	Acres	Gen Cmts:
2	3102 - Grass	1.5	
5	330 - Low-Density Trees	3.6	
16	623 - Emergent Wetland	2.7	
17	320 - Upland Shrub	3.7	
22	50 - Water	2.7	Stand swapped from Non-Forested to Forested. Stand swapped from Forested to Non-Forested.
24	622 - Lowland Shrub	12.6	
31	622 - Lowland Shrub	10.9	
34	622 - Lowland Shrub	9.5	
35	622 - Lowland Shrub	5.3	
41	3102 - Grass	15.5	
43	320 - Upland Shrub	1.6	
46	622 - Lowland Shrub	9.6	

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.