ATLANTA FOREST MANAGEMENT UNIT

COMPARTMENT REVIEW PRESENTATION

COMPARTMENT 027 ENTRY YEAR: 2012

Compartment Acreage: 1025 County: Montmorency

Revision Date: October 26, 2010

Stand Examiner: Barber

Legal Description: T30N, R3E, Sec. 24 & 25; T30N, R4E, Sec. 19, 20, 21, 22, 29 &30

RMU (if applicable): Thunder Bay Outwash

Management Goals: Maintain aspen on suitable sites.

Soil and Topography: This flat, poorly drained compartment feeds into the Thunder bay River. Soils are mucks and sands. There are 834 acres in wetland and PArVCo.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is mostly surrounded by private hunting land.

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: No special considerations exist for this compartment.

Wildlife Habitat Considerations: This compartment contains bottomland of the Thunder Bay River, a mix of swamp and lowland types, aspen, and a minor upland hardwood component. The swamp and lowlands provide habitat for a variety of waterfowl along with cover for black bear and bobcat. The area has high deer populations and is within the Deer Management unit 452 (Core bovine Tuberculosis area). Harvest of aspen along the riverine corridor will likely increase beaver activity in the area and therefore enhance trapping opportunities.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel, postglacial alluvium and coarse-textured glacial till. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no known economic use for the Coldwater Shale. Gravel pits are located all around this area with potential on the uplands. This area has been drilled and is producing gas from the Antrim Shale. There is potential for additional Antrim Shale development.

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

Survey Needs: None.

Recreational Facilities and Opportunities: Primarily hunting.

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 27
T30N, R03E, Sec. 24, 25
T30N, R04E, Sec. 19-22, 29, 30
County: Montmorency
Unit: Atlanta
YOE: 2012
Acres: 1,025 GIS Calculated
Stand Examiner: Richard Barber
Map Revised: 9/1/2010
Map Phase: Pre-Review

Legend

- Miris Corners
- Highway
- Paved Roads
- Poor Dirt Roads
- Closed Roads
- Powerline
- Gas Well
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Treatments

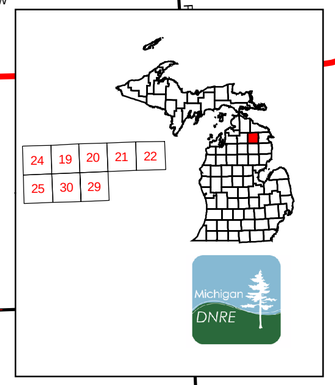
- Clearcut (w/Reserves, Patch/Strip)
- Other Treatment - See Comments

Forest Stands
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 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 Level 4 — OI Code
Cover Type Code

Miller Creek
Thunder Bay River
Homestead Trl
Eldon Dr
Deer Ln
Cohoon Rd
Ulshaffer Rd
Klein Rd
Kanowski Rd
Gamblin Dr
Christie Creek
Moore Rd
Genre Dr
Hall Rd
Tucker Dr
Avery Dr
Carter Rd
Reuber Creek

19 20 21 22 24 25 29 30

23 6124-Q5; 32 6124-Q2; 46 310-G0; 53 4233-F6; 54 6123-Q3; 59 6120-C6; 18 6123-Q6; 20 6139-LM4; 21 4130-A6; 35 310-G0; 47 320-U0; 52 320-U0; 19 6122-S6; 22 4130-A6; 43 310-G0; 50 310-G0; 48 4134-A6; 37 4113-M8; 51 6120-C6; 34 622-L0; 30 310-G0; 28 622-L0; 26 6117-E6; 24 4134-A6; 36 6117-E5; 44 4130-A6; 41 622-L0; 45 4233-F6; 42 6123-Q6; 38 310-G0; 49 622-L0; 40 310-G0; 55 4233-F6; 56 6120-C6; 60 4232-F6; 57 330-U0; 58 4140-B6; 61 6123-Q3; 62 4233-F6; 64 4319-UM6; 63 310-G0; 66 4134-A3; 65 6123-Q3; 67 6111-P2

1 429 -MC6; 5 6120-C6; 9 500-Z0; 8 4234-F6; 3 4133-A6; 2 4130-A1; 10 6120-C6; 4 4134-A6; 15 500-Z0; 16 6112-P5; 7 310-G0; 13 6139-LM4; 17 6129-Q6; 6 429 -MC6; 11 6120-C5; 12 622-L0; 14 6121-T1

27 429 -MC9; 25 310-G0; 29 623-N0; 31 310-G0; 33 4130-A9; 39 429 -MC9

70 4233-F3; 71 622-L0; 72 310-G0; 68 4319-UM6; 69 4236-C6; 77 4238-MC3; 78 4140-B3; 74 622-L0; 75 4236-C6; 73 4110-M6; 79 6118-E6; 76 330-U0

1 0.5 0 1 Miles

84°2'0"W 84°1'0"W 84°0'0"W 83°59'0"W 83°58'0"W 83°57'0"W
45°1'0"N 45°0'0"N 44°59'0"N 44°58'0"N

Stand Boundary Map

Compartment 27
T30N, R03E, Sec. 24, 25
T30N, R04E, Sec. 19-22, 29, 30
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YOE: 2012
Acres: 1,025 GIS Calculated
Stand Examiner: Richard Barber
Map Revised: 9/1/2010
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Legend

- Miris Corners
- Highway
- Paved Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Powerline
- Gas Well
- Stand Boundaries

Forest Stands

Level 3

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413 - Aspen Types
414 - Other Upland Deciduous
423 - Other Upland Conifers
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Non-Forest Stands

Level 3

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

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

1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment 27
T30N, R03E, Sec. 24, 25
T30N, R04E, Sec. 19-22, 29, 30
County: Montmorency
Unit: Atlanta
YOE: 2012
Acres: 1,025 GIS Calculated
Stand Examiner: Richard Barber
Map Revised: 8/16/2010
Map Phase: Pre-Review

Legend
- Miris Corners
- Gas Well
- Stand Boundaries

Dedicated Special Conservation Areas
- Cold Water Streams

Forest Stands
Level 3
- 411 - Northern Hardwood
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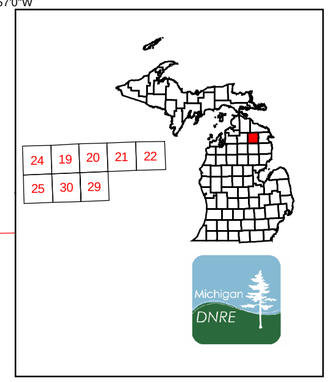

Stand # 23 — Stocking Density
(412)0) - A7
Level 3 / Level 4 — OI Code
Cover Type Code

Table 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit **Compartment 027 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	0	13	155	16	0	0	0	20	0	0	0	0	0	**204**
Cedar	0	0	0	0	0	0	0	0	0	86	130	0	0	0	0	**216**
Herbaceous Openland	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**33**
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Lowland Aspen/Balsam Poplar	0	0	0	0	0	10	3	0	0	0	0	0	0	0	0	**13**
Lowland Conifers	0	0	0	21	13	26	7	0	0	0	45	0	0	0	0	**111**
Lowland Deciduous	0	0	0	0	0	0	0	0	0	49	19	0	0	0	0	**67**
Lowland Mixed Forest	0	0	0	0	0	0	9	0	0	0	41	0	0	0	0	**50**
Lowland Shrub	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**43**
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	**6**
Marsh	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**9**
Northern Hardwood	0	0	0	0	0	0	0	0	40	0	13	0	0	0	0	**53**
Paper Birch	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	**11**
Tamarack	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	**2**
Upland Conifers	0	0	0	14	12	0	8	0	0	0	10	0	0	0	0	**44**
Upland Mixed Forest	0	0	0	9	10	0	0	0	0	0	0	0	0	0	0	**19**
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Upland Spruce/Fir	0	0	0	31	73	0	14	0	0	0	14	0	0	0	0	**133**
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Total	**96**	**0**	**0**	**87**	**274**	**55**	**40**	**0**	**40**	**155**	**278**	**0**	**0**	**0**	**0**	**1025**

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit
Year of Entry 2012

Compartment 027
Total Compartment Acres: 1025

Acres by Treatment Type

Commercial Harvest - 31	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 23	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	26	0	0	0	0	0	**26**
Upland Spruce/Fir	5	0	0	0	0	0	**5**
Total	**31**	**0**	**0**	**0**	**0**	**0**	**31**

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
3	54027003-CCR	16.5	4133 - Aspen, Mixed Pine	High Density Pole	40	Harvest	Clearcut with Reserves	Aspen	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, if present.

Other Comments: Acceptable regeneration is any combination of aspen, spruce, fir, red pine, or white pine resulting in a medium or well stocked stand.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	54027008-CCR	5.4	42340 - Upland Spruce/Fir	High Density Pole	90	Harvest	Clearcut with Reserves	Upland Spruce/Fir	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). Maintain 100 foot buffer on river. Do not cut red pine or white pine. Protect white pine and red pine regeneration.

Other Comments: Acceptable regeneration is any combination of aspen, spruce, fir, red pine, or white pine resulting in a medium or well stocked stand.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
33	54027033-CCR	3.8	4130 - Aspen	High Density Log	80	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Specs: Leave buffers along stream, wildlife pond, and on steep slopes. Keep equipment out of heavy WP regen.

Other Comments:

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
33	54027033-CCR_1	5.7	4130 - Aspen	High Density Log	80	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Specs: Paint buffers along stream (300 foot), wildlife pond, and on steep slopes. Keep equipment out of heavy WP regen.

Other Comments: Acceptable regeneration is any combination of aspen, spruce, fir, red pine, or white pine resulting in a medium or well stocked stand.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
35	NF_54027035-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

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Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
38	**NF_54027038-NonFor**	5.9	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

43	**NF_54027043-NonFor**	6.2	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

46	**NF_54027046-NonFor**	3.5	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

47	**NF_54027047-NonFor**	1.1	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

52	**NF_54027052-NonFor**	2.1	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

57	**NF_54027057-NonFor**	2.1	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

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
63	NF_54027063-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

Total Treatment Acreage Proposed: 54.7

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:
1	429 - Mixed Upland Conifers	High Density Pole	8.1	53	51-80	
2	4130 - Aspen	Low Density Sapling	2.1	27		
3	4133 - Aspen, Mixed Pine	High Density Pole	16.5	40	1-50	Camp site with water well, from previous owner. Bigger aspen may be sixty years old and suppressed from the start.
4	4134 - Aspen, Spruce/Fir	High Density Pole	10.7	27	1-50	A former cedar stand with scatterd seeps and flowing drainages.
5	6120 - Lowland Cedar	High Density Pole	5.8	90		
6	429 - Mixed Upland Conifers	High Density Pole	13.7	27	51-80	secret code equals 0617.
8	42340 - Upland Spruce/Fir	High Density Pole	7.2	90		
10	6120 - Lowland Cedar	High Density Pole	1.2	90		
11	6120 - Lowland Cedar	Medium Density Pole	11.1	90	1-50	
13	6139 - Mixed Lowland Forest	Low Density Pole	8.9	50		Flood plain. Wall to wall tag alder with bam toward the river. Can see all the way to the river fram stand 17.
14	6121 - Tamarack	Low Density Sapling	2.4	49		Narrow stand along Thunder Bay River.
16	6112 - Lowland Aspen	Medium Density Pole	2.7	50		Best estimate is that stand is similar to stand 14, but with higher BA. A flood plain stand along Thunder Bay River and Gilchrist Creek.
17	6129 - Mixed Coniferous Lowland Forest	High Density Pole	2.5	90		Probably heavy to cedar, as Gilchrist is noted for cedar stands.
18	6123 - Lowland Fir	High Density Pole	5.5	90		
19	6122 - Black Spruce	High Density Pole	5.9	90		
20	6139 - Mixed Lowland Forest	Low Density Pole	41.5	90		
21	4130 - Aspen	High Density Pole	16.7	38	1-50	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	4130 - Aspen	High Density Pole	41.0	38	1-50	vernal ponds
23	6124 - Lowland Spruce-Fir	Medium Density Pole	9.6	90		
24	4134 - Aspen, Spruce/Fir	High Density Pole	4.1	84	1-50	not excessively upland. vernal ponds.
26	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	3.5	84		
27	429 - Mixed Upland Conifers	High Density Log	7.1	90	81-110	high ground patch at south end
32	6124 - Lowland Spruce-Fir	Medium Density	27.3	90		
33	4130 - Aspen	High Density Log	15.9	80	51-80	
36	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	45.1	84		
37	4113 - R.Maple, Conifer	Medium Density Log	39.7	77	1-50	braken fern on hummocks, tag alder and water in between.
39	429 - Mixed Upland Conifers	High Density Log	2.6	90		Steep slopes down to Gilchrist Creek.
42	6123 - Lowland Fir	High Density Pole	6.6	50		
44	4130 - Aspen	High Density Pole	9.1	38	1-50	
45	42330 - Upland Fir	High Density Pole	14.1	50	51-80	BA mostly in small balsam. Could cut if can access from private. Vernal ponds. Purpose of harvest would be to retain aspen component of stand.
48	4134 - Aspen, Spruce/Fir	High Density Pole	54.0	38	1-50	
51	6120 - Lowland Cedar	High Density Pole	36.2	89		
53	42330 - Upland Fir	High Density Pole	27.4	26		
54	6123 - Lowland Fir	High Density Sapling	20.7	26		
55	42330 - Upland Fir	High Density Pole	59.7	30		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
56	6120 - Lowland Cedar	High Density Pole	24.8	97		
58	4140 - Other Upland Deciduous	High Density Pole	8.5	38	1-50	
59	6120 - Lowland Cedar	High Density Pole	49.9	89		
60	42320 - Upland Spruce	High Density Pole	7.1	97		
61	6123 - Lowland Fir	High Density Sapling	13.0	38		
62	42330 - Upland Fir	High Density Pole	13.5	38		
64	4319 - Mixed Upland Forest	High Density Pole	9.7	38	1-50	
65	6123 - Lowland Fir	High Density Sapling	26.2	45		
66	4134 - Aspen, Spruce/Fir	High Density Sapling	34.1	38	1-50	one red oak 13" dbh
67	6111 - Lowland Balsam Poplar	Medium Density	10.4	45		inholding of cattails
68	4319 - Mixed Upland Forest	High Density Pole	9.1	23	1-50	
69	42360 - Upland Cedar	High Density Pole	26.5	96		land has distinct slope
70	42330 - Upland Fir	High Density Sapling	3.6	20		pure balsam fir plus one chain width of balsam poplar along the edge of the cattails.
73	4110 - Sugar Maple Association	High Density Pole	13.4	90	81-110	
75	42360 - Upland Cedar	High Density Pole	60.4	96		
77	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Sapling	12.1	38		
78	4140 - Other Upland Deciduous	High Density Sapling	2.3	38		
79	6118 - Lowland Deciduous with Cedar	High Density Pole	18.8	90		balsam poplar and black ash with some cedar in the south end. Very wet.

Stand	Cover Type	Acres	Gen Cmts:
7	3102 - Grass	2.1	
9	50 - Water	1.2	
12	622 - Lowland Shrub	6.0	
15	50 - Water	1.0	
25	3102 - Grass	3.2	
28	622 - Lowland Shrub	11.4	
29	623 - Emergent Wetland	9.5	
30	3102 - Grass	1.0	
31	3102 - Grass	1.9	
34	622 - Lowland Shrub	2.5	
35	3102 - Grass	1.4	
38	3102 - Grass	5.9	
40	3102 - Grass	1.4	
41	622 - Lowland Shrub	6.7	
43	3102 - Grass	6.2	
46	3102 - Grass	3.5	
47	320 - Upland Shrub	1.1	
49	622 - Lowland Shrub	6.0	Tag alder forest.

Stand	Cover Type	Acres	Gen Cmts:
50	3102 - Grass	2.0	
52	320 - Upland Shrub	2.1	
57	3302 - Low Density Conifer Trees	2.1	open upland field with scatered clumps of tamarack.
63	3102 - Grass	1.0	
71	622 - Lowland Shrub	3.7	
72	3102 - Grass	3.8	
74	622 - Lowland Shrub	6.5	
76	330 - Low-Density Trees	2.5	

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.