Baraga Forest Management Unit
Compartment Review Presentation
Compartment #15 Entry Year: 2012
Compartment Acreage: 1,991 County: Baraga

Revision Date: 7/14/2010

Stand Examiner: Jason Mittlestat

Legal Description: Baraga County, L'Anse and Spurr Townships
T49N R32W Sections 1, 2, 4, 9, 10, 11, 12, 14, 16, and 17.
T49N R31W Section 6.

RMU (if applicable):

Management Goals: To maintain a healthy sustainable forest with special consideration to wildlife and fisheries habitat.

Soil and Topography: The terrain is rolling to steep hills with rock bluffs and outcroppings. Lowland soils are Carbondale and Tacoosh mucks. Upland soils are Michigamme – rock complex, Champion – Michgamme cobbly silt loams to Amasa cobbly silt loams and sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The adjacent land owners are either timber industry or small private. Land use is predominantly timber and hunting.

Unique, Natural Features: None identified.

Archeological, Historical, and Cultural Features: None identified.

Special Management Designations or Considerations: None identified.

Watershed and Fisheries Considerations: The Silver River and the Sturgeon River flow through the compartment. Use BMP's around streams.

Wildlife Habitat Considerations: Conifer buffers should be retained around small ponds. These are preferred moose bedding areas.

Mineral Resource and Development Concerns and/or Restrictions: There is a small gravel pit in section 16. Surface sediments consist of thin to discontinuous till over the bedrock. The Glacial Drift thickness varies between 0 and 50 feet. The Precambrian Archean granite gneiss subcrops below the glacial drift. There is not a current economic use for these rocks, but some may have dimension stone potential. The nearest gravel pit is located two miles to the northwest. An old graphite pit is located one mile to the southwest. There has been metallic mineral leasing in the area. There is no economic oil and gas production in the UP.

Vehicle Access: Access is fair to poor. Portable bridges will be needed to access some stands.

Survey Needs: Survey work will be necessary to facilitate harvest activities.

Recreational Facilities and Opportunities: This compartment provides both fishing and hunting opportunities.

Fire Protection: This compartment is not susceptible to spring fires. The majority of the fire activity is in the late summer due to lighting strikes.

Additional Compartment Information: Compartment 15 has been altered this inventory year due to: disposals, acquisitions, and the consolidation of adjoining compartment fragments.

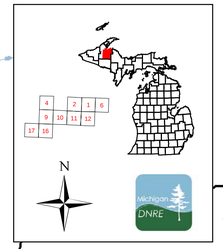
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - **Cover Type by Age Class**
  - **Cover Type by Management Objective**
  - **Compartment Volume Summary**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**

- **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 15
T49N, R31W, Sec. 6
T49N, R32W, Sec. 1,2,4,9,10,11,12,16,17
County: Baraga
Unit: Baraga
YOE: 2012
Acres: 1,991ac GIS Calculated
Stand Examiner: Jason Mittlestat
Map Revised: 4/06/2010
Map Phase: Pre-Review

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



Legend
- GMM Survey Corners
- Railroads
- Paved Roads
- Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers All

Treatments
- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

Forest Stands
Level 3
- 411 - Northern Hardwood
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands
Level 3
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland

1 4 4112-M9; 2 4112-M9; 3 6123-Q6; 5 4112-M9; 6 6117-E6; 1 4112-M5
7 6128-Q6; 8 6128-Q6; 9 4119-M9; 10 4112-M9; 11 4119-M9; 12 6122-S6; 13 4119-M9; 15 4238-MC6; 16 310-Q9; 17 4119-M9; 18 622-L0; 23 6122-S6; 24 4119-M9; 39 4112-M9; 47 6124-Q4; 49 4112-M9; 51 6122-S6
65 4112-M9; 74 4112-M9; 75 622-L0; 77 6122-S6; 85 4119-M6
59 4112-M9; 61 622-L0; 66 4112-M6; 62 122-X0; 63 4119-M9; 82 4191-MD6; 60 4119-M9; 67 6122-S6; 83 6117-E6; 84 4119-M9; 73 4119-M9; 58 6122-S6; 57 4119-M9; 72 4112-M9; 80 4234-F; 56 4119-M9; 71 622-L0; 86 4112-M9; 70 4112-M9; 64 6122-S5; 68 4191-MD6; 81 4119-M9; 69 6122-S6; 78 6122-S6; 76 4110-M9; 79 4191-MD9
87 4112-M9; 89 6128-Q6; 90 6128-Q6; 88 622-L0; 92 6128-Q6; 93 6128-Q6; 91 4119-M9
14 4191-MD9; 22 622-L0; 21 4115-M9; 20 4112-M9; 28 4319-UM5; 19 4232-F9; 25 4112-M6; 44 4319-UM9; 35 4319-UM5; 31 622-L0; 29 4112-M6; 32 122-X0; 34 122-X0; 33 622-L0; 41 4112-M9; 43 4112-M6; 42 4119-M6; 36 6122-S4; 38 4112-M9; 37 4232-F9; 45 629-L0; 50 122-X0; 46 6124-Q6; 52 4112-M9
27 4112-M6; 26 122-X0; 30 6117-E6; 40 4112-M9; 48 6128-Q9; 53 4119-M6; 54 6120-C5; 55 622-L0

Lahti Rd; Herman Rd; Herman Rd; Nestoria Herman Rd; Nestoria Herman Rd; Summit Rd; Hakkinen Rd; Hakkinen Rd; Taisto Rd; Taisto Rd; Summit Rd; Torvinen Rd; Tama Creek; Tama Creek; Tama Creek; Tama Creek; Tama Siding Rd; Tama Siding Rd; Celotex Rd; Celotex Rd; Clear Lake Rd; Clear Lake Rd; Silver River; Silver River; Silver River; UnNamed # 6 Baraga Co; Middle Branch Peshekee River; Peshekee River; Peshekee River; Dirkman Lake; Fisher Lake; Smith Lake; Diana Lake; Clear Lake; Wagner Lake; Little Summit Lake; Kortio Lake; Loon Lake; High Life Lake; Jims Lake; Round Lake; Sturgeon River

1 0.5 0 1 Miles

88°21'0"W 88°20'0"W 88°19'0"W 88°18'0"W 88°17'0"W 88°16'0"W 88°15'0"W 88°14'0"W 88°13'0"W 88°12'0"W
46°43'0"N 46°42'0"N 46°41'0"N 46°40'0"N 46°39'0"N

Stand Boundary Map

Compartment 15
T49N, R31W, Sec. 6
T49N, R32W, Sec. 1,2,4,9,10,11,12,16,17
County: Baraga
Unit: Baraga
YOE: 2012
Acres: 1,991ac GIS Calculated
Stand Examiner: Jason Mittlestat
Map Revised: 4/06/2010
Map Phase: Pre-Review

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

Legend
- GMM Survey Corners
- Paved Roads
- Poor Dirt Roads
- Stand Boundaries

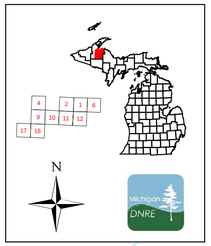
Forest Stands
- 411 - Northern Hardwood
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland

1 0.5 0 1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment 15
T49N, R31W, Sec. 6
T49N, R32W, Sec. 1,2,4,9,10,11,12,16,17
County: Baraga
Unit: Baraga
YOE: 2012
Acres: 1,991ac GIS Calculated
Stand Examiner: Jason Mittlestat
Map Revised: 4/06/2010
Map Phase: Pre-Review



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

Legend
- GMM Survey Corners
- Dedicated Special Conservation Areas
- Cold Water Streams
- Stand Boundaries
- Forest Stands
  - Level 3
    - 411 - Northern Hardwood
    - 419 - Mixed Upland Deciduous
    - 423 - Other Upland Conifers
    - 431 - Upland Mixed Forest
    - 611 - Lowland Deciduous Forest
    - 612 - Lowland Coniferous Forest
- Non-Forest Stands
  - Level 3
    - 122 - Road/Parking Lot
    - 310 - Herbaceous Openland
    - 622 - Lowland Shrub
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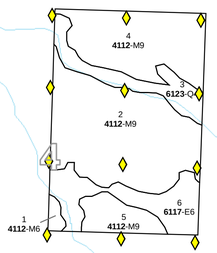

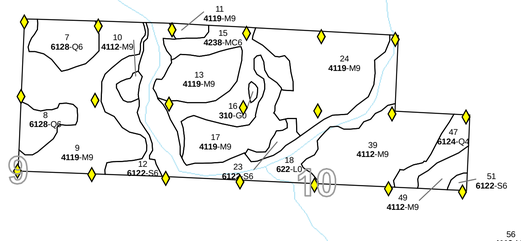

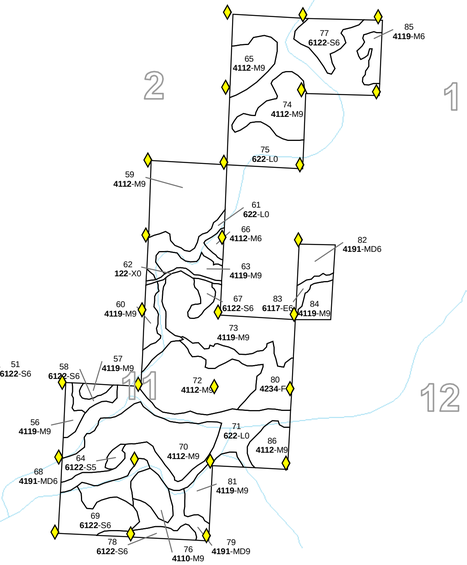

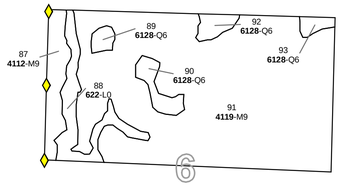

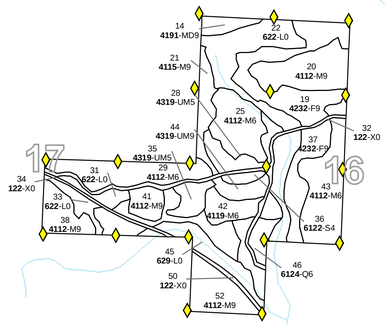

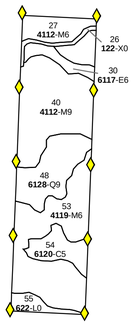

1 0.5 0 1 Miles

Table 1 – Total Acres by Cover Type and Age Class

Baraga Mgt. Unit *(Level 3 Cover Type)* **Compartment 015 Year of Entry 2012**

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
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Lowland Coniferous Forest	0	0	0	0	0	0	24	5	14	19	0	70	65	0	21	**218**
Lowland Deciduous Forest	0	0	0	0	0	0	0	3	34	6	0	0	0	0	0	**43**
Lowland Shrub	280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**280**
Mixed non-forested wetland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**14**
Mixed Upland Deciduous	0	0	0	0	0	0	0	8	0	0	0	25	0	0	0	**34**
Northern Hardwood	0	0	0	0	0	0	0	35	0	0	0	0	0	0	1200	**1235**
Other Upland Conifers	0	0	0	0	0	0	0	0	0	0	64	48	0	0	0	**112**
Road/Parking Lot	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**20**
Upland Mixed Forest	0	21	0	0	0	0	0	0	0	0	0	13	0	0	0	**34**
Total	**315**	**21**	**0**	**0**	**0**	**0**	**24**	**52**	**48**	**25**	**64**	**157**	**65**	**0**	**1221**	**1991**

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Table 2 – Proposed Treatment Summaries

Baraga Mgt. Unit
Year of Entry 2012

Compartment 015
Total Compartment Acres: 1991

Acres by Treatment Type

Commercial Harvest - 380	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Conifers	12	0	0	0	0	0	**12**
Lowland Spruce/Fir	19	0	0	0	0	0	**19**
Mixed Upland Deciduous	20	8	0	0	0	0	**28**
Northern Hardwood	0	321	0	0	0	0	**321**
Total	**50**	**330**	**0**	**0**	**0**	**0**	**380**

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
13	11015013-Cut	24.5	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Cut with the other hdwd stands. Very hilly, topo will limit acres. There is a bluff in the middle of the stand.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
17	11015017-Cut	30.4	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Very hilly topo in the stand which could limit acres.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
24	11015024-Cut	60.0	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Was part of Road Block Hdwd that was NOT cut 11-020-02-01. Access is from Lahti Road. Topo will limit acres.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
46	11015046-Cut	12.2	6124 - Lowland Spruce-Fir	High Density Pole	100	Harvest	Clearcut with Reserves	Lowland Spruce-Fir

Prescription Specs: Final harvest. Retention of only white pine and cedar, hemlock if encountered.

Other Comments: Acreage along the west side of the road will depend on topography. No retention, seed source from the surrounding area. Reserve white pine, cedar and hemlock if present.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
59	11015059-Cut	37.0	4112 - Maple, Beech, Cherry Association	High Density Log	99	Harvest	Single Tree Selection	Maple, Beech, Cherry Association

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Top dieback in areas. Mark to 50 in these areas. There is a balsam pocket in the stand. Several drainages running though the stand that will limit acres. Try to take out of the treatment shape.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
63	11015063-Cut	7.3	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Poor quality timber. Mark to 50-70 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Other Comments: Acreage will vary due to topo and drainages.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
65	11015065-Cut	13.6	4112 - Maple, Beech, Cherry Association	High Density Log	99	Harvest	Single Tree Selection	Maple, Beech, Cherry Association

Prescription Specs: Poor quality timber. Mark to 50-70 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Poor quality, mark to 50-70 BA

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
68	11015068-Cut	8.9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	100	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer

Prescription Specs: Final Harvest. Retention of white pine, cedar, hemlock and oak if present.

Other Comments: Final Harvest. Retention of white pine, cedar, hemlock and oak if present.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
69	11015069-Cut	18.6	6122 - Black Spruce	High Density Pole	80	Harvest	Clearcut with Reserves	Black Spruce

Prescription Specs: Final harvest. Retain only white pine, hemlock and cedar where present. Good surrounding seed source for the spruce.

Other Comments: Old road with wet ditches on the south and east sides. Very little black spruce in the understory, mostly balsam. Good one to burn or scarify? Ground seems good. No retention, good surrounding seed source.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
70	11015070-Cut	42.4	4112 - Maple, Beech, Cherry Association	High Density Log	99	Harvest	Single Tree Selection	Maple, Beech, Cherry Association

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Access with old grade from the south, or north if it can be found. Acres will vary with topography.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
72	11015072-Cut	41.3	4112 - Maple, Beech, Cherry Association	High Density Log	99	Harvest	Single Tree Selection	Maple, Beech, Cherry Association

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments:

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
73	11015073-Cut	30.8	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Acres will vary because of drainages and topography.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
73	11015073-Cut_small	6.6	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Acres will vary because of drainages and topography.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
76	11015076-Cut	9.6	4110 - Sugar Maple Association	High Density Log	99	Harvest	Single Tree Selection	Sugar Maple Association

Prescription Specs: Mark to 70-80 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments: Low grade quality. Mark 70-80 BA

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
79	11015079-Cut	10.8	4191 - Mixed Upland Deciduous with Conifer	High Density Log	100	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer

Prescription Specs: Final harvest. Retention from white pine and cedar. (Hemlock and oak if present) No retention otherwise.

Other Comments: Final harvest. Retention from white pine and cedar. No retention otherwise.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
81	11015081-Cut	10.1	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Poor quality, large diameter timber. Mark to 50-70 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Other Comments: Mark 50-70 BA, poor quality. Large diameter. Acreage will vary with topography. There is a weird blue line running though stand area, acreage could change with survey also.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
82	11015082-Cut	8.5	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	60	Harvest	Single Tree Selection	Mixed Upland Deciduous with Conifer

Prescription Specs: Very poor quality timber. Mark to 50 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Other Comments: Very poor quality. Mark down to 50 BA. Corners?

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
84	11015084-Cut	7.6	4119 - Mixed Northern Hardwoods	High Density Log	99	Harvest	Single Tree Selection	Mixed Northern Hardwoods

Prescription Specs: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. If areas of top dieback are encountered mark to 50-70 sq ba.

Other Comments:

Next Steps:

Total Treatment Acreage Proposed: **380.1**

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective

Prescription Specs:

Other Comment:

Next Steps:

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: **0**

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4112 - Maple, Beech, Cherry Association	High Density Pole	3.2	Uneven Age	51-80	
2	4112 - Maple, Beech, Cherry Association	High Density Log	97.7	Uneven Age	81-110	
3	6123 - Lowland Fir	Low Density Pole	23.7	51	1-50	
4	4112 - Maple, Beech, Cherry Association	High Density Log	59.6	Uneven Age	81-110	
5	4112 - Maple, Beech, Cherry Association	High Density Log	17.3	Uneven Age	81-110	
6	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	34.1	70	51-80	
7	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	19.1	110	81-110	
8	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	13.5	110	81-110	
9	4119 - Mixed Northern Hardwoods	High Density Log	77.1	Uneven Age	81-110	
10	4112 - Maple, Beech, Cherry Association	High Density Log	3.5	Uneven Age	81-110	
11	4119 - Mixed Northern Hardwoods	High Density Log	3.5	Uneven Age	111-140	
12	6122 - Black Spruce	High Density Pole	20.4	110	111-140	
13	4119 - Mixed Northern Hardwoods	High Density Log	24.5	Uneven Age	111-140	
14	4191 - Mixed Upland Deciduous with Conifer	High Density Log	5.4	100	111-140	
15	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	41.4	90	81-110	
17	4119 - Mixed Northern Hardwoods	High Density Log	30.4	Uneven Age	111-140	
19	42320 - Upland Spruce	High Density Log	32.7	100	111-140	
20	4112 - Maple, Beech, Cherry Association	High Density Log	23.8	Uneven Age	81-110	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4115 - Y.Birch, Hemlock NH	High Density Log	10.0	Uneven Age	81-110	
23	6122 - Black Spruce	High Density Pole	5.5	69	81-110	
24	4119 - Mixed Northern Hardwoods	High Density Log	60.0	Uneven Age	171-200	
25	4112 - Maple, Beech, Cherry Association	High Density Pole	20.4	Uneven Age	51-80	
27	4112 - Maple, Beech, Cherry Association	High Density Pole	16.9	Uneven Age	51-80	
28	4319 - Mixed Upland Forest	Medium Density Pole	13.5	8	1-50	
29	4112 - Maple, Beech, Cherry Association	High Density Pole	31.0	Uneven Age	51-80	
30	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	6.1	80	1-50	
35	4319 - Mixed Upland Forest	Medium Density Pole	7.3	8	1-50	
36	6122 - Black Spruce	Low Density Pole	6.4	100	1-50	
37	42320 - Upland Spruce	High Density Log	15.8	100	111-140	
38	4112 - Maple, Beech, Cherry Association	High Density Log	12.4	Uneven Age	141-170	
39	4112 - Maple, Beech, Cherry Association	High Density Log	53.0	Uneven Age	51-80	Road Block Hdwd 11-020-02-01.
40	4112 - Maple, Beech, Cherry Association	High Density Log	41.9	Uneven Age	81-110	
41	4112 - Maple, Beech, Cherry Association	High Density Log	5.8	Uneven Age	141-170	
42	4119 - Mixed Northern Hardwoods	High Density Pole	11.9	60	51-80	
43	4112 - Maple, Beech, Cherry Association	High Density Pole	30.6	Uneven Age	81-110	
44	4319 - Mixed Upland Forest	High Density Log	13.4	100	81-110	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	6124 - Lowland Spruce-Fir	High Density Pole	12.2	100	51-80	
47	6124 - Lowland Spruce-Fir	Low Density Pole	12.6	70	1-50	
48	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	23.1	100	171-200	
49	4112 - Maple, Beech, Cherry Association	High Density Log	8.0	Uneven Age	51-80	
51	6122 - Black Spruce	High Density Pole	1.8	70	51-80	
52	4112 - Maple, Beech, Cherry Association	High Density Log	17.4	65	111-140	
53	4119 - Mixed Northern Hardwoods	High Density Pole	47.5	Uneven Age	81-110	
54	6120 - Lowland Cedar	Medium Density Pole	11.4	100	1-50	
56	4119 - Mixed Northern Hardwoods	High Density Log	4.3	Uneven Age	111-140	
57	4119 - Mixed Northern Hardwoods	High Density Log	2.5	Uneven Age	111-140	
58	6122 - Black Spruce	High Density Pole	4.3	100	51-80	
59	4112 - Maple, Beech, Cherry Association	High Density Log	39.3	Uneven Age	111-140	
60	4119 - Mixed Northern Hardwoods	High Density Log	6.0	Uneven Age	81-110	
63	4119 - Mixed Northern Hardwoods	High Density Log	7.3	Uneven Age	111-140	
64	6122 - Black Spruce	Medium Density Pole	2.2	100	51-80	
65	4112 - Maple, Beech, Cherry Association	High Density Log	13.6	Uneven Age	111-140	
66	4112 - Maple, Beech, Cherry Association	High Density Pole	2.5	Uneven Age	81-110	
67	6122 - Black Spruce	High Density Pole	4.2	100	111-140	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
68	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.9	100	51-80	
69	6122 - Black Spruce	High Density Pole	18.6	80	141-170	
70	4112 - Maple, Beech, Cherry Association	High Density Log	42.4	Uneven Age	111-140	
72	4112 - Maple, Beech, Cherry Association	High Density Log	41.3	Uneven Age	111-140	
73	4119 - Mixed Northern Hardwoods	High Density Log	39.4	Uneven Age	111-140	
74	4112 - Maple, Beech, Cherry Association	High Density Log	18.5	Uneven Age	141-170	
76	4110 - Sugar Maple Association	High Density Log	9.6	Uneven Age	111-140	
77	6122 - Black Spruce	High Density Pole	12.6	110	51-80	
78	6122 - Black Spruce	High Density Pole	6.0	100	1-50	
79	4191 - Mixed Upland Deciduous with Conifer	High Density Log	10.8	100	81-110	
80	42340 - Upland Spruce/Fir	High Density Pole	22.2	95	81-110	
81	4119 - Mixed Northern Hardwoods	High Density Log	10.1	Uneven Age	111-140	
82	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.5	60	81-110	
83	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	3.0	60	51-80	
84	4119 - Mixed Northern Hardwoods	High Density Log	7.6	Uneven Age	111-140	
85	4119 - Mixed Northern Hardwoods	High Density Pole	6.0	60	81-110	
86	4112 - Maple, Beech, Cherry Association	High Density Log	11.2	Uneven Age	111-140	
87	4112 - Maple, Beech, Cherry Association	High Density Log	18.5	Uneven Age	81-110	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
89	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	3.6	Uneven Age	51-80	
90	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	8.1	Uneven Age	51-80	
91	4119 - Mixed Northern Hardwoods	High Density Log	247.6	Uneven Age	81-110	
92	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.7	Uneven Age	51-80	
93	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	3.6	Uneven Age	51-80	

Stand	Cover Type	Acres	Gen Cmts:
16	310 - Herbaceous Openland	1.0	
18	622 - Lowland Shrub	68.3	
22	622 - Lowland Shrub	39.7	
26	122 - Road/Parking Lot	2.5	
31	622 - Lowland Shrub	4.7	
32	122 - Road/Parking Lot	10.7	
33	622 - Lowland Shrub	5.5	
34	122 - Road/Parking Lot	2.6	
45	629 - Mixed non-forested wetland	13.6	
50	122 - Road/Parking Lot	2.5	
55	622 - Lowland Shrub	5.3	
61	622 - Lowland Shrub	17.2	
62	122 - Road/Parking Lot	2.0	
71	622 - Lowland Shrub	48.6	River corridor.
75	622 - Lowland Shrub	69.1	
88	622 - Lowland Shrub	21.5	

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 initiatlves (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Inventory Method: IFMAP

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.

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.