Report 1 – Compartment Review Presentation

Baraga Forest Management Unit

Compartment 2
Entry Year 2015
Acreage: 2,661
County Baraga
Management Area: Huron Mountains

Revision Date: 07/17/2013

Stand Examiner: Jason Mittlestat

Legal Description:

Baraga County, Arvon Township
T51N R30W Sections 4, 5, 6, 8
T51N R31W Section 1
T52N R30W Section 31, 32

Identified Planning Goals:

Huron Mountains (4.17)
Manage for deer wintering complex, and commercial stands of timber.

Soil and topography:

Soils are: Munising loamy sand, Yalmer loamy sand, Assinins sand, Carbondale muck, Tacoosh muck, Gay mucky fine sandy loam, and Skanee loamy sand. Topography is level.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

This compartment is surrounded by private land. Much of the private land is owned by forest industry and is managed for timber.

Unique, Natural Features:

No unique features are identified.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

This compartment is in a deer yard area.

Watershed and Fisheries Considerations:

Fossoms Creek and Black Creek are trout streams.

Wildlife Habitat Considerations:

Compartment 2 is found within the Huron Mountains Management Area; on a Bedrock-Controlled Ground Moraines and till-floored lake plains in northern Baraga and Marquette Counties. Most of the natural communities in this area are mesic northern forests and poor conifer swamps. Major forest cover types include Northern Hardwood, Aspen and Hemlock. The area receives significant snowfall and represents almost 20% of the WUP State Forest hemlock resource. This area provides critical wintering habitat for white tailed deer, especially along the Lake Superior shoreline. Additionally, some of the largest tracts of mature forest in the Great Lakes (e.g. McCormick Tract, Craig's Lake Wilderness State Park, and the Huron Mountain Club) occur within or adjacent to this management area. The current condition and spatial arrangement of these areas provide some of the best opportunities within the WUP, state, and Great Lakes for area sensitive wildlife that require large tracts of mature forest, mesic conifer or corridors between such areas. The wildlife priority here is to manage for old growth forest characteristics, in a fairly un-fragmented condition, with particular emphasis on protecting the hemlock component. This strategy will protect thermal cover, provide for wildlife movement corridors, and provide habitat for a variety of species. This includes minimizing habitat fragmentation; insuring adequate course woody debris; retain or develop large living and dead standing trees (for cavities); mesic conifer; mature forest; within-stand diversity; closed canopy forest; and deer wintering complexes.

The following have been identified as featured species for the Huron Mountains Management Area: American Marten, Blackburnian Warbler, and White-Tailed Deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and minor glacial outwash sand and gravel and postglacial alluvium

and lacustrine (lake) sand and gravel to the east. The glacial drift thickness varies from insufficient data to determine the glacial drift thickness up to a thickness of 50 feet. The Precambrian Jacobsville Sandstone and the Michigamme Formation underlie the compartment. The Jacobsville was previously used as a building stone. There are mostly sand pits in the area, but there may be some potential. No mines are located in this area, but Sections 4-6 & 8-T51N-R30W are leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Access within the compartment is poor. Roland Lake Road and Greenhouse Road provide county road access to the compartment.

Survey Needs:

Survey corners are needed to identify boundaries between state and private lands.

Recreational Facilities and Opportunities:

There is a boating access site on Roland Lake. There are no other recreational facilities in this compartment.

Fire Protection:

This is an area of low fire incidence. Most fires have resulted from lightning strikes.

Additional Compartment Information:

There is an old sand pit on Roland Lake road. There is an old dump site located in the compartment.

The following reports from the Inventory are attached:

- **Total Acres by Cover Type and Age Class**
- **Cover Type by Harvest Method**
- **Proposed Treatments – No Limiting Factors**
- **Proposed Treatments – With Limiting Factors**
- **Stand Details (Forested and Nonforested)**
- **Dedicated and Proposed Special Conservation Areas**
- **Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

- **Base feature information, stand boundaries, cover types, and numbers**
- **Proposed treatments**
- **Site condition boundaries**
- **Details on the road access system**

Report 2 – Total Acres by Cover Type and Age Class

Baraga Mgt. Unit **Compartment 002 Year of Entry 2015**

Fred Hansen : Examiner

Age Class

	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	Total
Aspen	65	5	87	0	164	0	33	0	0	0	0	0	0	0	**354**
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	97	0	**97**
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	24	129	**153**
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	**4**
Lowland Conifers	0	0	0	0	0	0	0	0	11	0	0	0	769	0	**781**
Lowland Deciduous	0	0	0	0	12	0	0	15	0	0	0	0	0	0	**27**
Mixed Upland Deciduous	0	0	0	0	73	0	0	0	0	0	0	0	0	0	**73**
Northern Hardwood	0	0	0	0	0	117	0	71	228	0	0	0	0	393	**808**
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Upland Conifers	0	0	0	0	0	0	0	0	0	0	98	0	0	88	**186**
Upland Mixed Forest	0	77	0	0	0	0	2	0	0	0	0	0	0	94	**173**
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Total	**74**	**83**	**87**	**0**	**249**	**117**	**35**	**86**	**239**	**0**	**98**	**0**	**890**	**704**	**2661**

Report 3 – Proposed Treatment Summaries

Baraga Mgt. Unit
Year of Entry 2015

Compartment 002
Total Compartment Acres: 2661

Acres by Treatment Type

Commercial Harvest - 535	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Mixed Upland Conifers	31	0	0	0	0	0	**31**
Northern Hardwood	0	332	0	0	0	0	**332**
Upland Mixed Forest	172	0	0	0	0	0	**172**
Total	**203**	**332**	**0**	**0**	**0**	**0**	**535**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	11002001-Cut	91.4	4319 - Mixed Upland Forest	High Density Pole	106	111-140	Harvest	Clearcut with Reserves	42350 - Upland Hemlock	Cmpt. Review Proposal

Prescription Specs: Cut all trees except hemlock, black cherry,cedar and white pine. Also retain all yellow birch 18" DBH and larger. Maintain a 200' buffer along Fossum Creek. Winter harvest only with no chipping permitted.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Riparian buffer will encompass seed producing black ash.

Next Steps: Check for adequate regeneration within 5 years of harvest completion.

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	11002003-Cut	79.1	4312 - Hemlock, Mixed Deciduous	High Density Log	106	141-170	Harvest	Clearcut with Reserves	42350 - Upland Hemlock	Cmpt. Review Proposal

Prescription Specs: Cut all trees except hemlock, black cherry, yellow birch, cedar and white pine. Winter harvest only with no chipping permitted.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Reserve a few black ash pockets for seed production.

Next Steps: Check for adequate regeneration within 5 years of harvest completion.

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	11002008-Cut	1.6	4319 - Mixed Upland Forest	High Density Pole	68	81-110	Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal

Prescription Specs: Cut all trees except hemlock and cedar.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species.

Next Steps: Check for adequate regeneration within 5 years of harvest completion.

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	11002010-Cut	30.6	429 - Mixed Upland Conifers	High Density Pole	106	111-140	Harvest	Clearcut with Reserves	42350 - Upland Hemlock	Cmpt. Review Proposal

Prescription Specs: Cut all trees except hemlock, elm, cedar and white pine. Also retain all yellow birch 18" DBH and larger. Winter harvest only with no chipping permitted.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Riparian buffer will encompass seed producing black ash.

Next Steps: Check for adequate regeneration within 5 years of harvest completion.

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11	11002011-Cut	93.6	4115 - Y.Birch, Hemlock NH	High Density Pole	66	111-140	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine , large diameter ash and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Winter harvest only with no chipping permitted.

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type.

Next Steps:

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	11002019-Cut	227.9	4119 - Mixed Northern Hardwoods	High Density Pole	88	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine, large diameter ash and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Winter harvest only with no chipping permitted.

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type.

Next Steps:

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
31	11002031-Cut	10.4	4112 - Maple, Beech, Cherry Association	High Density Pole	66	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine, large diameter ash and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Winter harvest only with no chipping permitted.

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type. Keep an look out for northern gooseberry.

Next Steps:

Proposed Start Date: 10/01/2014

Total Treatment Acreage Proposed: 534.6

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

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Type!

Limiting Factor

Total Treatment Acreage Proposed: **0**

Report 6 – Out of YOE – Treatments Prescribed with No Limiting Factor

Year of Entry: 2015

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

Prescription Specs:

Other Comments:

Next Steps:

Proposed Start Date: #Type!

Total Treatment Acreage Proposed: **0**

Data updated yesterday after 6:00 PM

LEMARBEM

Report 7 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment 002

Year of Entry 2015

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions No	5C	3J	3H	2G	1C
354	354		**Aspen**	321	33				
97		97	**Cedar**			63		34	
153	79	74	**Hemlock**	79			24		50
781		781	**Lowland Conifers**			358	329	94	
27		27	**Lowland Deciduous**					27	
73	73		**Mixed Upland Deciduous**	73					
808	808		**Northern Hardwood**	655	154				
186	186		**Upland Conifers**	186					
173	173		**Upland Mixed Forest**	173					
2,652	1,674	978	Total Forested Acres	1,487	187	421	353	155	50
	63%	37%	Relative Percent						

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
003	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	12	2G: Too wet (sensitive soils, does not include access issues)			
	Comments:						
004	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	347	2G: Too wet (sensitive soils, does not include access issues)			
	Comments:						
005	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	63	2G: Too wet (sensitive soils, does not include access issues)			
	Comments:						

006	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	12	

Comments:

007	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	14	

Comments:

008	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	15	

Comments:

009	**Not Available**	**3H: Deer Wintering Areas**	67	

Comments:
WLD does not allow harvesting of this cover type in a deer yard.

010	**Not Available**	**3H: Deer Wintering Areas**	24	

Comments:
WLD does not allow harvesting of this cover type in a deer yard.

011	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	33	

Comments:
to be treated in 2025.

012	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	71	

Comments:
to be cut in 2025

013	**Not Available**	**3H: Deer Wintering Areas**	112	2G: Too wet (sensitive soils, does not include access issues)

Comments:
WLD does not allow harvesting of this cover type in a deer yard.

014	**Not Available**	**3H: Deer Wintering Areas**	99	2G: Too wet (sensitive soils, does not include access issues)

Comments:
WLD does not allow harvesting of this cover type in a deer yard.

015	**Not Available**	**3H: Deer Wintering Areas**	47	2G: Too wet (sensitive soils, does not include access issues)

Comments:
WLD does not allow harvesting of this cover type in a deer yard.

016	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	94	5C: Delay treatment for age/size class diversity or exceptional site quality

Comments:

017	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	20	
	Comments:			
018	**Not Available**	**3H: Deer Wintering Areas**	4	2G: Too wet (sensitive soils, does not include access issues)
	Comments: WLD does not allow harvesting of this cover type in a deer yard.			
019	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	83	
	Comments: Treat in 2025			
020	**Not Available**	**3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)**	3	
	Comments: County Road.			
025	**Not Available**	**1C: Other dept or div proc/practices**	50	
	Comments: hold treatment for wildlife until 2023.			

Report 8 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Fossum Creek	Habitat Areas or Corridors	Habitat Corridor	**SCA**	
Comments				

Report 9 – 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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4319 - Mixed Upland Forest	High Density Pole	94.0	Uneven Age	111-140	Reserve white pine, hemlock, and cedar. Goal is to promote hemlock regeneration.
2	4312 - Hemlock, Mixed Deciduous	High Density Log	49.7	Uneven Age	141-170	Reserve white pine, hemlock, and cedar. Goal is to promote hemlock regeneration.
3	4312 - Hemlock, Mixed Deciduous	High Density Log	79.1	Uneven Age	141-170	heavy deer brouse
6	6124 - Lowland Spruce-Fir	Low Density Pole	11.5	83		RMZ
7	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	15.2	73		wet
8	4319 - Mixed Upland Forest	High Density Pole	1.6	68	81-110	
10	429 - Mixed Upland Conifers	High Density Pole	30.6	106	111-140	Reserve white pine, hemlock, and cedar. Goal is to promote hemlock regeneration.
11	4115 - Y.Birch, Hemlock NH	High Density Pole	93.6	Uneven Age	111-140	Green house Hdwd, cut in 1994. and Deer yard Hdwd cut in 2000 (se 28acres).
12	6129 - Mixed Coniferous Lowland Forest	High Density Log	67.3	140		Hemlock ridges with ash holes in-between. Look as if cedar was cot in the 1970's, maybe for deer food.
13	42350 - Upland Hemlock	High Density Log	24.4	136	141-170	Hemlock ridges with ash holes in-between.
14	6120 - Lowland Cedar	Medium Density Pole	62.8	133		RMZ, creek runs through it, wet.
15	4115 - Y.Birch, Hemlock NH	High Density Pole	69.6	Uneven Age	81-110	Green Hdwd, cut in 2007.
16	6120 - Lowland Cedar	High Density Pole	13.8	136		wet
17	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	98.9	136	171-200	
18	6113 - Lowland Maple	High Density Pole	11.9	49	81-110	wet ground
19	4119 - Mixed Northern Hardwoods	High Density Pole	227.9	88	111-140	May need to exclude small patches of heavy regen (aspen removed in the 70's and 80's). Areas where the aspen is larger should be clear cut to maintain future aspen.
20	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	346.6	136		Poor Farm swamp Conifer, Fossum Creek And Black Creek RMZ

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4130 - Aspen	High Density Pole	33.1	62		Cut with adj. stand in 2025
22	4112 - Maple, Beech, Cherry Association	High Density Pole	70.6	77	111-140	Cut in 2025 with everything else that is ready below the river.
23	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	72.9	40	51-80	
24	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	112.0	140	171-200	wet drainages.
26	4115 - Y.Birch, Hemlock NH	High Density Pole	50.3	Uneven Age	81-110	Barking Bear Hdwd cutin 2007.
27	4319 - Mixed Upland Forest	High Density Sapling	55.9	14		Black Creek block clear cut in 1999.
28	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	67.7	102	141-170	Upland areas of hemlock with wet drainages scattered between.
29	4139 - Aspen, Mixed Deciduous	High Density Pole	105.9	46		
30	4319 - Mixed Upland Forest	High Density Sapling	21.5	14		Blach Creek Block clear cut in 1999.
31	4112 - Maple, Beech, Cherry Association	High Density Pole	10.4	Uneven Age	111-140	
32	6129 - Mixed Coniferous Lowland Forest	High Density Pole	46.5	140	141-170	
33	4119 - Mixed Northern Hardwoods	High Density Pole	116.9	55	81-110	Acq. in 1990's. Cut in 2025 with adj. hdwd.
34	4115 - Y.Birch, Hemlock NH	High Density Pole	86.0	Uneven Age	81-110	Top 3/4 of stand is Barking Bear Hdwd cut in 2007 and south 1/4 was Sensenbrenner Hdwd cut in 2002.
35	4130 - Aspen	High Density Pole	57.9	42		cut in 1971
36	4139 - Aspen, Mixed Deciduous	High Density Sapling	65.3	7		Clear cut in 2005
37	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	4.3	140	171-200	
38	4130 - Aspen	High Density Sapling	5.1	12		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	4130 - Aspen	High Density Sapling	86.7	22		cut in 1991
40	6120 - Lowland Cedar	Low Density Pole	19.9	140		Black Creek RMZ
41	4115 - Y.Birch, Hemlock NH	High Density Log	83.1	Uneven Age	111-140	Sensenbrenner Hdwd cut in 2002, Cut in 2025 with adj Hdwd south on black creek.
42	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	93.7	140	171-200	
43	42390 - Mixed Non-Pine Upland Conifers	High Density Pole	87.8	Uneven Age	141-170	cut in ten years(2025) for hemlock regeneration. ridges with wet drains throughout.

Report 11 – Nonforested Stands

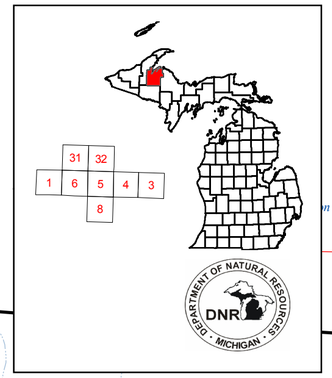
Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	3102 - Grass	1.3	No	Unspecified	Sould be cleaned up.
5	11 - Low Intensity Urban	2.8	No	Unspecified	
9	710 - Sand, Soil	1.6	No	Unspecified	
25	3102 - Grass	2.9	No	Unspecified	

Data updated yesterday after 6:00 PM

Cover Type & Treatment Map

Compartment: 002
T51N R30W
04 05 06 08
T51N R31W
01
T52N R30W
31 32
County: Baraga
Unit: Baraga
YOE: 2015
Acres: 2,661 GIS Calculated
Examiner: Jason Mittlestat
Map Revised: 05/22/2013
Map Phase: Pre-Review

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



Legend
- DNR Survey Corners
- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

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

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 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
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 710 - Sand, Soil

1 0.5 0 1 Miles

Stand Boundary Map

Compartment: 002
T51N R30W
04 05 06 08
T51N R31W
01
T52N R30W
31 32
County: Baraga
Unit: Baraga
YOE: 2015
Acres: 2,661 GIS Calculated
Examiner: Jason Mittlestat
Map Revised: 05/22/2013
Map Phase: Pre-Review

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

Legend
- DNR Survey Corners
- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Stream
- Intermittent Stream

Forest Stands

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

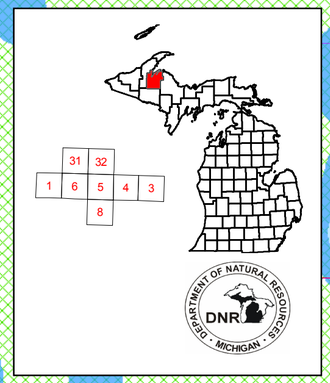
Level 3
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 710 - Sand, Soil

1 0.5 0 1 Miles

Special Conservation Areas & Site Conditions Map

Compartment: 002
T51N R30W
04 05 06 08
T51N R31W
01
T52N R30W
31 32
County: Baraga
Unit: Baraga
YOE: 2015
Acres: 2,661 GIS Calculated
Examiner: Jason Mittlestat
Map Revised: 05/22/2013
Map Phase: Pre-Review

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



88°11'0"W 88°10'0"W 88°9'0"W 88°8'0"W 88°7'0"W 88°6'0"W 88°5'0"W
46°5'20"N 46°5'10"N 46°5'0"N 46°4'50"N

31 32

3 4312-H9
15 4115-M6
19 4119-M6
11 4115-M6
29 4139-A6
31 4112-M6
27 4319-UM3
30 4319-UM3
23 4191-MD6
25 310-G0
17 4239-MC6
3H - 014
37 6128-Q6
40
3H - 018
Fossum Creek
2G - 017
2G - 016
42 28-Q6
28 4238-MC6
36 4139-A3
43 4239-MC6
14 6120-G5
3J - 004
P01 6128-Q4
24 6128-Q6
3J - 005
3H - 015
Fossum Creek
3H - 013
32 6129-Q6
5 110-X0
1 4319-UM6
2 4312-H9
1C - 025
4 310-G0
6 6124-Q4
3E - 020
3J - 003
26 4115-M6
22
5C - 012
10
2G - 008
429 -MC6
7
12
3H - 010
4235-H9
3H - 009
2G - 007
9 710-Y0
8 4319-UM6
18
2G - 006
21
5C - 011
33 4119-M6
35 4130-A6
34 4115-M6
39 4130-A3
38 4130-A3
41
5C - 019

Legend
- Miris Corners
- Stand Boundaries

Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

Reviewable SCAs
- Proposed SCA

Dedicated Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

Deer Winter Range
- Obligate winter range
- Obligate winter range- needs verification

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 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
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 710 - Sand, Soil

1 0.5 0 1 Miles