Report 1 – Compartment Review Presentation

Baraga Forest Management Unit

Compartment 6
Entry Year 2015
Acreage: 2,362
County Baraga
Management Area: Menge Creek

Revision Date: 07/17/2013

Stand Examiner: Jason Mittlestat

Legal Description:

Baraga County, Baraga Township.
T50N R34W Sections 18,20,29,30
T51N R34W Sections 28, 33

Identified Planning Goals:

Menge Creek (4.19)
Manage for age class diversity. Maintain current species mix.

Soil and topography:

Soils in T50N, R34W are sands: Rubicon-Rousseau_Ocqueoc Complex, Rubicon, Rousseau_Ocqueoc, Kinros, Croswell and Augres. The soils in T51N, R34Ware heavier; Pelkie loamy fine sand, Munising loamy sand, Froberg silt loam, and Moquah silt loam. This compartment has some rugged topography adjacent to level or rolling areas.

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

In T50N; R34W the adjacent landowners are US Forest Service, forest industry, State Forest, and private landowners. Except for the small private parcels, all adjacent lands are managed as forest land. All of the adjacent ownerships in T51N; R34W are small Private landowners.

Unique, Natural Features:

No unique or natural features have been identified.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

None listed.

Watershed and Fisheries Considerations:

Six mile Creek and a tributary, and the Sturgeon River are trout streams.

Wildlife Habitat Considerations:

Compartment 6 is found within the Menge Creek Management Area; on a Dissected Moraine in central Baraga County. Most of the natural communities in this area are mesic northern forests and dry mesic northern forests. Major forest cover types include Aspen, Northern Hardwood, and Paper Birch. This area provides critical wintering habitat for white tailed deer, especially along the Sturgeon River. Wildlife management priorities in the Menge Creek Management Area include maintaining the hemlock and oak habitat components that offer high wildlife values, particularly for deer and bear. The protection of north-south movement corridors created by topography and tree characteristics is also important through protection of mesic conifer thermal cover. 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 Menge Creek Management Area: American Marten, Black Bear, and White-Tailed Deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and minor postglacial alluvium and lacustrine (lake) sand and gravel. The glacial drift thickness varies from insufficient data to determine up to a thickness of 100 feet. The Devonian Bois Blanc Formation and the Precambrian Jacobsville Sandstone and the Michigamme Formation underlie the compartment. The Bois Blanc is quarried for limestone in Section 7-T51N-R34W (State NM-100) and the Jacobsville was previously used as a building stone. There are gravel pits in the area and there should be potential especially in T50N-

R34W. Abandoned iron mines (Taylor) are located six miles to the east and Sections 18, 20 and 30-T50N-R34W were previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

The block of land in T50N, R34W has good access off of the Baraga Plains Road. The strip of land along the Sturgeon River has access from the north off of M-38.

Survey Needs:

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

Recreational Facilities and Opportunities:

Parks and Recreational Division maintains an access site on the west bank of the Sturgeon River. The Baraga Plains Road is used as a snowmobile trail, and an ORV connector route.

Fire Protection:

This is an area of low fire incidence. The area is north of the Baraga Plains zone dispatch area.

Additional Compartment Information:

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 006 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	51	102	77	262	382	192	7	0	75	0	0	0	0	0	**1149**
Hemlock	0	0	0	0	0	0	0	0	0	82	0	0	0	59	**140**
Herbaceous Openland	35	0	0	0	0	0	0	0	0	0	0	0	0	0	**35**
Low-Density Trees	8	0	0	0	0	0	0	0	0	0	0	0	0	0	**8**
Lowland Conifers	0	0	0	0	0	0	0	0	10	0	0	0	0	0	**10**
Lowland Deciduous	0	0	0	0	0	0	0	5	0	0	0	0	0	7	**12**
Lowland Mixed Forest	0	0	0	0	0	0	0	4	0	0	0	0	0	0	**4**
Mixed Upland Deciduous	0	78	0	274	0	0	0	0	6	0	0	0	0	3	**362**
Northern Hardwood	0	0	0	0	88	0	0	0	0	0	0	0	0	244	**332**
Paper Birch	0	0	0	34	4	0	33	0	0	0	0	0	0	0	**72**
Upland Conifers	0	0	0	0	91	0	0	0	0	0	47	0	0	55	**192**
Upland Mixed Forest	0	0	0	0	12	0	0	0	0	0	0	0	0	0	**12**
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Water	32	0	0	0	0	0	0	0	0	0	0	0	0	0	**32**
Total	**129**	**181**	**77**	**570**	**577**	**192**	**40**	**9**	**90**	**82**	**47**	**0**	**0**	**368**	**2362**

Report 3 – Proposed Treatment Summaries

Baraga Mgt. Unit
Year of Entry 2015

Compartment 006
Total Compartment Acres: 2362

Acres by Treatment Type

Commercial Harvest - 370	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
Aspen Types	199	0	0	0	0	0	**199**
Mixed Upland Deciduous	19	0	0	0	0	0	**19**
Northern Hardwood	0	153	0	0	0	0	**153**
Total	**217**	**153**	**0**	**0**	**0**	**0**	**370**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
14	11006014-Cut	30.8	4136 - Aspen, Mixed Conifer	High Density Log	52		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak over 18"and white pine. Maintain 100' Buffer along creek. Leave 1/3 of the tops.

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

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

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	11006016-Cut	40.1	4112 - Maple, Beech, Cherry Association	High Density Log	66	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, black cherry and white pine. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18	11006018-Cut	106.8	4130 - Aspen	High Density Log	52		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak over 18"and white pine. Maintain 100' Buffer along creek. Leave 1/3 of the tops.

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

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

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
21	11006021-Cut	62.7	4119 - Mixed Northern Hardwoods	High Density Log	66	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, black cherry, hemlock and white pine. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
23	11006023-Cut	7.3	4139 - Aspen, Mixed Deciduous	High Density Log	61		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak and white pine.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.

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
27	11006027-Cut	13.6	4136 - Aspen, Mixed Conifer	High Density Log	56		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak, hemlock and white pine.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Retian some large diameter aspen along sale boundary. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.

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
30	11006030-Cut	4.9	4112 - Maple, Beech, Cherry Association	High Density Pole	49	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, red pine and white pine where present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.

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
34	11006034-Cut	19.5	4112 - Maple, Beech, Cherry Association	High Density Pole	55	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. Do not harvest Oak or Hemlock. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.

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
39	11006039-Cut	40.2	4130 - Aspen	High Density Log	85		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak and all conifers.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Retain some large diamter aspen along sale boundary.

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
42	11006042-Cut	12.9	4193 - Birch, Aspen	High Density Log	65		Harvest	Clearcut with Reserves	4193 - Birch, Aspen	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak, hemlock , red pine and white pine. maintain 300' buffer along Six Mile Creek.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Riparian buffer encompasses retention requirements. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.

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
57	11006057-Cut	25.4	4115 - Y.Birch, Hemlock NH	High Density Log	66	141-170	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak and hemlock. 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". Sale acres may be greatly reduced due to extreme topography.

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type. Acreage will be reduced due to topography. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.

Next Steps:

Proposed Start Date: 04/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
61	11006061-Cut	5.8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	83	111-140	Harvest	Clearcut with Reserves	4190 - Mixed Upland Deciduous with Cedar	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak over 18" and hemlock.

Other Comments: Retention for this stand will be greater than 3% and will consist of reserve tree species. Stand will be put up with adjacent Compartment 7 in 2023. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.

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

Proposed Start Date: 10/01/2022

Total Treatment Acreage Proposed: 370.0

Report 5 -- Treatments Prescribed with a Limiting Factor

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**

Data updated yesterday after 6:00 PM

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 006

Year of Entry 2015

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions No	5C	3J	3H	2F	2A
1149	1149		**Aspen**	1,074	75				
140	140		**Hemlock**	140					
10		10	**Lowland Conifers**			10			
12	7	5	**Lowland Deciduous**	7		5			
4		4	**Lowland Mixed Forest**			4			
362	362		**Mixed Upland Deciduous**	362					
332	300	32	**Northern Hardwood**	300					32
71	52	20	**Paper Birch**	52		5		14	
192		192	**Upland Conifers**			91	55	47	
12	12		**Upland Mixed Forest**	12					
2,284	2,021	263	Total Forested Acres	1,946	75	115	55	61	32
	88%	12%	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
004	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	30				
	Comments: Sturgeon River.						
005	**Not Available**	**3D: Recreational / Scenic values**	9				
	Comments: Access site and parking area.						
006	**Not Available**	**2A: Adjacent landowner denied access**	33	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)			
	Comments:						

007	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	5	

Comments:

008	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	4	

Comments:

009	**Not Available**	**2F: Too steep**	47	

Comments:

010	**Not Available**	**3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)**	3	

Comments:
State Highway M-38..

011	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	10	

Comments:

012	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	21	

Comments:
Treat in 2025.

013	**Not Available**	**3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)**	4	

Comments:
Powerline.

014	**Not Available**	**3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)**	18	

Comments:
powerline

015	**Not Available**	**2F: Too steep**	14	3J: Water quality / BMPs (stream, river, or lake)

Comments:

016	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	3	

Comments:
Kelly Lake.

017	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	5	

Comments:
Buffer to 6 mile creek.

018	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	20	

Comments:
Treat in 2025.

019	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	35		
	Comments: Treat in 2025.				
020	**Not Available**	**3H: Deer Wintering Areas**	55	2F: Too steep	
	Comments:				
021	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	91	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)
	Comments:				

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
Six Mile Creek	Habitat Areas or Corridors	Habitat Corridor	**SCA**	
Comments				
Sturgeon River	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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
SCA	Wild and Scenic Rivers	Wild and Scenic Rivers are established under authority of the National Wild and Scenic Rivers Act, Public Law 90-542, as amended. Each Wild and Scenic River has a river specific Federal management plan, and State agencies may enter into written cooperative agreements with the administering Federal agency for the management of Wild and Scenic Rivers that are upon State-owned lands. There are 18 miles of Federal designated Wild and Scenic Rivers that are located within the State Forest.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	3.5	Uneven Age	81-110	RMZ. small parking area on river.
3	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	4.6	77	1-50	Flood area
4	4112 - Maple, Beech, Cherry Association	High Density Pole	4.3	Uneven Age	81-110	
5	4119 - Mixed Northern Hardwoods	High Density Pole	1.9	Uneven Age	81-110	cut in 2008
6	6119 - Mixed Lowland Deciduous Forest	High Density Pole	7.2	Uneven Age	81-110	
8	42390 - Mixed Non-Pine Upland Conifers	High Density Pole	46.9	102	141-170	steep slope
10	4110 - Sugar Maple Association	High Density Log	52.5	Uneven Age	81-110	cut in 2008
11	4119 - Mixed Northern Hardwoods	High Density Pole	32.5	Uneven Age	111-140	Timber access issues, wet drains it river, RMZ
12	6139 - Mixed Lowland Forest	Low Density Pole	4.3	77	1-50	flood area
13	4110 - Sugar Maple Association	High Density Log	5.4	Uneven Age	81-110	cut in 2008
14	4136 - Aspen, Mixed Conifer	High Density Log	30.8	52		spruce budworm is present
15	6124 - Lowland Spruce-Fir	Low Density Pole	9.7	86		
16	4112 - Maple, Beech, Cherry Association	High Density Log	40.1	Uneven Age	81-110	West 1/2 of stand was cut in 1997.
18	4130 - Aspen	High Density Log	106.8	52		Spruce budworm is present, choppers choice in the 70-80's.
20	4130 - Aspen	High Density Sapling	9.8	16		final harvest in 1997
21	4119 - Mixed Northern Hardwoods	High Density Log	62.7	Uneven Age	111-140	cut in 1997
22	4139 - Aspen, Mixed Deciduous	High Density Sapling	35.8	24		final harvest in 1989
23	4139 - Aspen, Mixed Deciduous	High Density Log	7.3	61		reserve oak over 18" dbh, red and white pine.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	4130 - Aspen	High Density Sapling	41.7	26		final harvest in 1987
25	4137 - Aspen, Birch	High Density Sapling	31.4	18		final harvest in 1995,
26	4130 - Aspen	High Density Sapling	61.1	17		
27	4136 - Aspen, Mixed Conifer	High Density Log	13.6	56		
28	4137 - Aspen, Birch	High Density Log	20.8	53		cut in 2025.
30	4112 - Maple, Beech, Cherry Association	High Density Pole	4.9	49	111-140	Steep slopes.
31	4137 - Aspen, Birch	High Density Sapling	61.6	40		
32	4319 - Mixed Upland Forest	High Density Sapling	11.7	40	1-50	understory had been cut out in 1973. Two aged.
33	4136 - Aspen, Mixed Conifer	High Density Sapling	51.0	7		OJ birch cut in 2005.
34	4112 - Maple, Beech, Cherry Association	High Density Pole	19.5	Uneven Age	111-140	Thinned in 1997.
35	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	78.3	18		cut in 1995
36	4137 - Aspen, Birch	High Density Pole	19.6	50		Recommend final harvest in 2025.
37	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	90.9	41	1-50	Six Mile Creek RMZ.
38	4193 - Birch, Aspen	High Density Pole	14.4	65		Steep slopes. Stand drains to Kelly Lake.
39	4130 - Aspen	High Density Log	40.2	85		Reserve all conifer and oak over 18" dbh.
40	4119 - Mixed Northern Hardwoods	High Density Log	82.9	47	81-110	Flaming Blind Hdwd cut in 2008.
42	4193 - Birch, Aspen	High Density Log	18.3	65		slopes to creek
44	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	54.6	Uneven Age	111-140	RMZ, steep, bottom land (Dog Ground)

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	4130 - Aspen	High Density Sapling	9.5	32		Acquired April 23, 1999 from Champion.
46	4137 - Aspen, Birch	High Density Pole	155.0	30		Two aged aspen. Pockets or larger dia. aspen. Choppers choice in the late 70's. Some steep slopes.
47	4136 - Aspen, Mixed Conifer	High Density Pole	34.5	80		Two aged aspen. Pockets or larger dia. aspen. Choppers choice in the late 70's. Some steep slopes (dog ground).
48	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	182.5	31		Acquired April 23, 1999 from Champion.
49	4136 - Aspen, Mixed Conifer	High Density Log	151.9	40		Two aged aspen. Pockets or larger dia. aspen. Choppers choice in the late 70's. Some steep slopes. Dog Ground.
50	4139 - Aspen, Mixed Deciduous	High Density Pole	43.0	31		Acquired April 23, 1999 from Champion. some steep slopes were missed last time it was cut1982. Two aged Aspen.
51	4130 - Aspen	High Density Sapling	9.0	31		Acquired April 23, 1999 from Champion.
52	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	78.7	30	1-50	Acquired April 23, 1999 from Champion. some planted red pine.
53	4137 - Aspen, Birch	High Density Pole	169.0	43		Two aged aspen. Pockets or larger dia. aspen. Choppers choice in the late 70's. Some steep slopes. Dog ground.
54	4193 - Birch, Aspen	High Density Sapling	4.4	41		Acquired April 23, 1999 from Champion.
55	4312 - Hemlock, Mixed Deciduous	High Density Pole	58.6	Uneven Age		Acquired April 23, 1999 from Champion. Extreme slopes, Possibly mark the valleys in 2025. Was last cut in the 1980's.
56	4312 - Hemlock, Mixed Deciduous	High Density Pole	81.7	93		Acquired April 23, 1999 from Champion.
57	4115 - Y.Birch, Hemlock NH	High Density Log	25.4	Uneven Age	141-170	Acquired April 23, 1999 from Champion. mark what can be reached, avoid hemlock . Cut with adj. cmpt 7 in 2013.
58	4193 - Birch, Aspen	High Density Pole	34.4	31		Acquired April 23, 1999 from Champion. Scattered pockets of hdwd on steep slopes.
59	4199 - Other Mixed Upland Deciduous	High Density Pole	12.9	31		Acquired April 23, 1999 from Champion. Scattered pockets of hdwd on steep slopes
60	4137 - Aspen, Birch	High Density Pole	45.4	31		Acquired April 23, 1999 from Champion.
61	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.8	83	111-140	Limited factor cut with adj cmpt 7 in 2023. access is from the north. small acreage.

Report 11 – Nonforested Stands

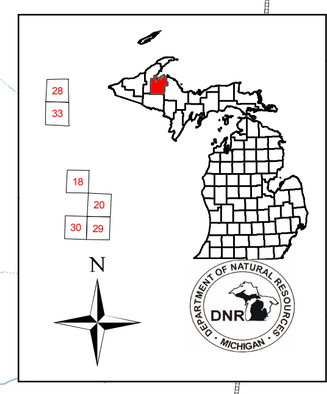
Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	122 - Road/Parking Lot	2.6	No	Unspecified	
7	3102 - Grass	8.6	Yes	Medium (NonForested)	
9	50 - Water	29.9	No	Unspecified	
17	3301 - Low Density Deciduous Tree	5.2	No	Unspecified	
19	3102 - Grass	4.9	No	Unspecified	
29	3102 - Grass	3.6	No	Unspecified	
41	50 - Water	2.5	No	Unspecified	
43	3102 - Grass	17.7	No	Unspecified	
62	3302 - Low Density Conifer Trees	3.0	No	Unspecified	

Data updated yesterday after 6:00 PM

Cover Type & Treatment Map

Compartment: 006
T50N R34W
17 18 19 20 21 28 29 30
T51N R34W
27 28 33 34
County: Baraga
Unit: Baraga
YOE: 2015
Acres: 2,362 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
- ORV Trails
- Snowmobile Trails
- ORV Trail
- Snowmobile Trail
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Pipeline
- Powerline
- 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
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

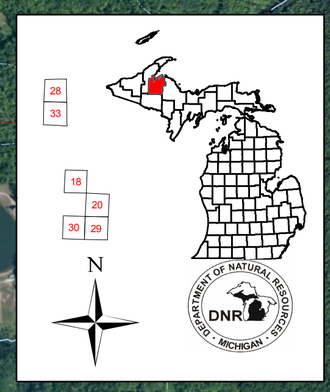
Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water

Stand Boundary Map

Compartment: 006
T50N R34W
17 18 19 20 21 28 29 30
T51N R34W
27 28 33 34
County: Baraga
Unit: Baraga
YOE: 2015
Acres: 2,362 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
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- ORV Trails
- Snowmobile Trails
- ORV Trail
- Snowmobile Trail
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- Stand Boundaries

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

Non-Forest Stands
Level 3
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water

1 4191-MD6 Jacobson Rd
2 122-X0
3 6117-E4
4 4112-M6
5 4119-M6
6 6119-E6
7 310-G0
8 4239-MC6
9 500-Z0
10 4110-M9
11 4119-M6
12 6139-LM4
13 4110-M9
14 4136-A6
15 6124-Q4
16 4112-M9
17 330-U0
18 4130-A9
19 310-G0
20 4130-A3
21 4119-M9
22 4139-A3
23 4139-A9
24 4130-A3
25 4137-A3
26 4130-A3
27 4136-A9
28 4137-A9
29 310-G0
30 4112-M6
31 4137-A3
32 4319-UM3
33 4136-A3
34 4112-M6
35 4191-MD3
36 4137-A6
37 4238-MC6
38 4193-B6
39 4130-A9
40 4119-M9
41 500-Z0
42 4193-B9
43 310-G0
44 4238-MC6
45 4130-A3
46 4137-A6
47 4136-A6
48 4191-MD3
49 4136-A9
50 4139-A6
51 4130-A3
52 4191-MD6
53 4137-A6
54 4193-B3
55 4312-H6
56 4312-H6
57 4115-M9
58 4193-B6
59 4199-MD6
60 4137-A6
61 4191-MD6
62 330-U0

28
33
18
20
30
29

Schwalm Rd
Ranta Rd
Arvidson Rd
Ballard Rd
Santa Rd
Vadine Rd
Moyer Rd
Wantola Rd
Aho Rd
Ruona Rd
Gristmill Rd
Little Carp Creek
Pananen Rd
Mansfeldt R
Elsner Rd
Krolik Rd
Clear Creek Rd
Kelly Lake Rd
Merge Rd
Forest Road 543
Forest Road 967
Forest Road 1852A
Forest Road 1852
Federal Forest Road 2240

46°47'0"N
46°46'0"N
46°45'0"N
46°44'0"N
46°43'0"N
46°42'0"N
46°41'0"N

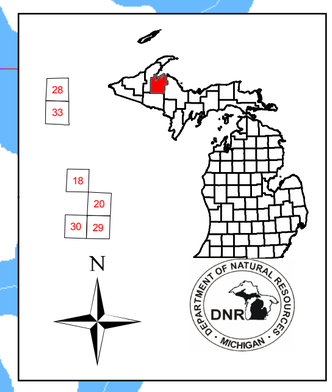
88°38'0"W
88°37'0"W
88°36'0"W
88°35'0"W
88°34'0"W
88°33'0"W
88°32'0"W

1 0.5 0 1 Miles

Special Conservation Areas & Site Conditions Map

Compartment: 006
T50N R34W
17 18 19 20 21 28 29 30
T51N R34W
27 28 33 34
County: Baraga
Unit: Baraga
YOE: 2015
Acres: 2,362 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
- Miris Corners
- Stand Boundaries

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

Reviewable SCAs
- Proposed SCA
- SCA Removal

Dedicated Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- Wild & Scenic Rivers (USFS Lands)
- Wild & Scenic Streams (USFS Lands)
- 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
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water

1 0.5 0 1 Miles

88°38'0"W 88°37'0"W 88°36'0"W 88°35'0"W 88°34'0"W 88°33'0"W 88°32'0"W
46°44'0"N 46°43'0"N 46°42'0"N 46°41'0"N