



**BARAGA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 5 ENTRY YEAR: 2007

Compartment Acreage: 1,931 County: Baraga

Revision Date: October 3, 2005

Stand Examiner: Don Mankee, John Turunen, Fred Hansen

Legal Description: T50N R34W, Section 1, 2, 112, 12, 16, 22
T51N R33W Section 27

RMU (if applicable):

n/a

Management Goals:

Maintain or expand mesic conifers, protect water quality, and maintain the aspen type.

Soil and Topography:

The topography is a mix of fairly level land interspersed with drainages and in some cases some very steep slopes. Soils are Rubicon sands; Rubicon-Rousseau-Ocqueoc complex; Rousseau-Ocqueoc fine sands; Carbondale and Tacoosh mucks.

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

The compartment is fragmented. Surrounding ownership is a mix of forest industry and small private landowners. Use on the south is generally for forest management.

Unique, Natural Features (include only non-site specific and non-sensitive information):

No unique features have been identified.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

There is an old logging railroad grade that left the DSS&A railroad grade in T50N R34W, Section 12 and extended to Section 22.

Special Management Designations or Considerations:

The former L'Anse Township landfill is in section 12. DEQ has restrictions on this site that would affect future operations.

Watershed and Fisheries Considerations:

Six Mile Creek is a trout stream. Buffers are needed along this stream and its tributaries. An on site review by both FMFM and Fish Division is needed before setting up timber sales along this stream.

Wildlife Habitat Considerations:

Regenerate mature aspen stands; they will be 60-64 years old during the year of entry. Retain hemlock and oak. Mark trees growing under and around oaks so as to release oak crowns and to stimulate oak reproduction.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of coarse-textured till and lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme Formation and Jacobsville Sandstone subcrop below the glacial drift. The Jacobsville was previously used as a building stone. Sand and gravel pits are in the area and potential appears to be good. Abandoned iron mines are located eight miles to the southeast. This Compartment has not been previously leased for metallic exploration, but current leases exist in Section 2 - 5. There is no economic oil and gas production in the UP.

Vehicle Access:

Much of the compartment is accessed by logging roads off of county roads. DNR has easements that assure access to much of the land. Not all of the access is good. There are steep slopes, and swamps that limit where access can take place.

Survey Needs:**Recreational Facilities and Opportunities:**

There are two snowmobile trails, trail 15 and trail 159 that cross parts of this compartment. There are no other developed recreational facilities. There may be an opportunity to extend the Baraga Plains ORV trail to the north

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

Several parcels have been sold or exchanged since the last review. Keweenaw Bay Indian Community acquired two parcels in Sections 5 and 9, T51N R33W. There is an exchange in progress that will give them property in Section 27 behind the Baraga Operations Service Center. Land was sold to the Village of

Baraga for their sewage system, and a parcel on Lake Superior was deeded to the Village of Baraga.

- **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**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

COPPER COUNTRY STATE FOREST

BARAGA FOREST MGT UNIT

BARAGA COUNTY

COMPARTMENT: 5

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen			176	181	38	41	48	221		199	98								1002
Black Spruce							5												5
Bog or Marsh	9																		9
Cedar															82				82
Grass	15																		15
Hemlock																		4	4
Lowlnd Brush	86																		86
Mx Swmp Cnfr								46				26		14					86
Non Stocked	25																		25
Paper Birch										180									180
Red Pine				23								17	20						60
Spruce Fir										24									24
Tamarack											52		64						116
Upland Hdwds																		237	237
Total	135		176	204	38	41	53	267		403	150	43	84	14	82			241	1931

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

COPPER COUNTRY STATE FOREST

BARAGA FOREST MGT UNIT

BARAGA COUNTY

COMPARTMENT: 5

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	1002																										1002
S Black Spruce		5																									5
V Bog or Marsh			9																								9
C Cedar				82																							82
G Grass					15																						15
H Hemlock						4																					4
L Lowlnd Brush									86																		86
Q Mx Swmp Cnfr												86															86
X Non Stocked													25														25
B Paper Birch															180												180
R Red Pine																60											60
F Spruce Fir																			24								24
T Tamarack																					116						116
M Upland Hdwds																								237		237	
Total	1002	5	9	82	15	4			86			86	25		180	60			24		116			237		1931	

COPPER COUNTRY STATE FOREST

BARAGA FOREST MGT UNIT

BARAGA COUNTY

COMPARTMENT: 5

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	20862 Cds	Hardwood	4035 Cds
Hardwood	603 Mbf	Hardwood	64 Mbf
Softwood	4069 Cds	Softwood	96 Cds
Softwood	583 Mbf	Softwood	86 Mbf
Sum TotVol	27303 Cds	Sum CutVol	4431 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	329
1931			

BARAGA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 5

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
4	A6	16	62	60	aspen (upland)	mature	final harvest	1	natural regeneration		
8	A5	65	60	55	aspen (upland)	low quality	final harvest	1	natural regeneration		
comnts Fmd : Leave red and white pine.											
11	R9	20	112	60	red pine	mature	removal	1			
comnts Fmd : Reserve White Pine, Red Oak, and most of the Red Pine. Some of the Red Pine will be marked for removal, to facilitate operability and to promote natural regen. Per mini-review, sale will be limited to summer cut for scarification and to avoid conflicts with the snowmobile trail.											
18	A6	48	58	60	aspen (upland)	mature	final harvest	1	natural regeneration		
23	A6	39	58	55	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : Some scattered birch poles plus a few oak. Treat w/ stands 24, and 26.											
26	M6	17		55	northern hardwood	unevenaged	selection	2			
comnts Fmd : Retain patches of Hemlock, and a few scattered oak. Treat w/ stand 26.											
29	M6	49		55	northern hardwood	unevenaged	selection	2			
comnts Fmd : Retain patches of Hemlock, and a few scattered oak. Treat w/ stand 26.											
31	H9	4		65	hemlock	mature	selection	2	natural regeneration		
comnts Fmd : This is not a final regeneration cut. We anticipate hemlock regeneration, but expect some hardwood regeneration as well.											
35	M6	19		62	northern hardwood	unevenaged	selection	1	natural regeneration		
38	M6	35		62	northern hardwood	unevenaged	selection	1	natural regeneration		
64	R9	17	104	58	red pine	immature	thinning	1			
comnts Fmd : CONVERTING TO WHITE PINE. Ownership east of stand being transferred to KBIC.											
Total Acres.....		329									

**Proposed Treatments
With Limiting Factors**

Compartment: 5

Entry Year: 2007

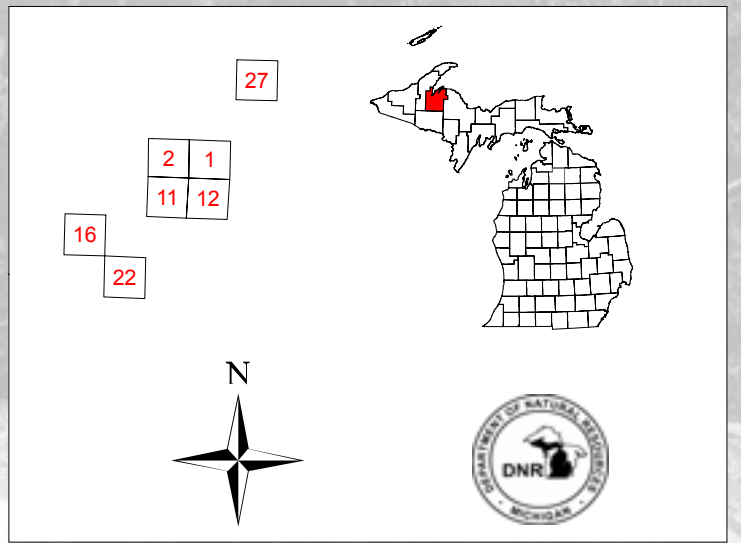
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

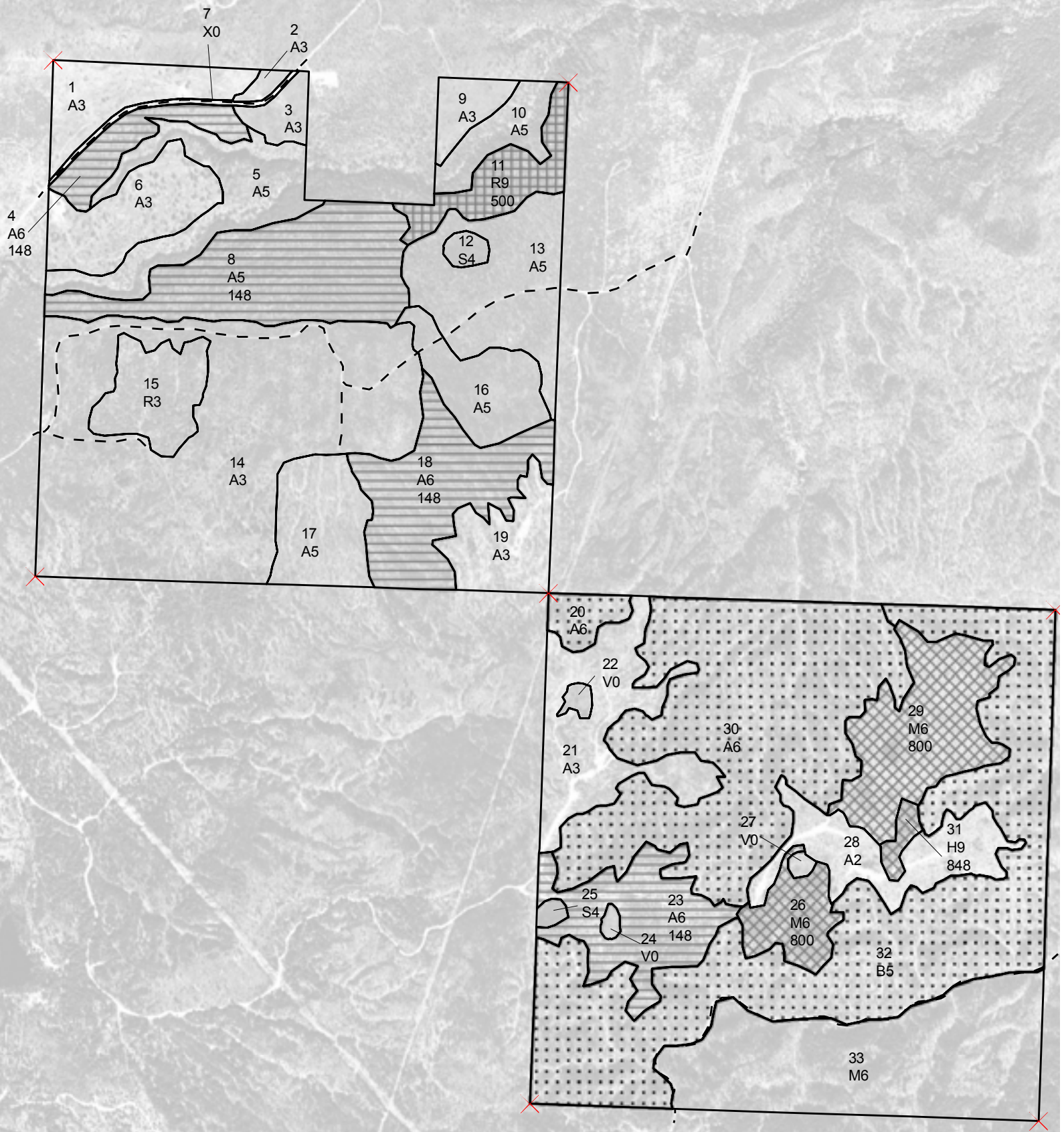
Field Map

Compartment 5
 T50N, R34W, Sec. 1, 2, 11, 12, 16, 22
 T51N, R33W, Sec. 27
 County: Baraga
 Unit: Baraga
 YOE: 2007
 Acres: 1,931 GIS Calculated
 Stand Examiner: Don Mankee
 Map Revised: 10/05/2005
 Map Phase: Pre-review



Legend

- ✕ GPS Corners
- - Poor Dirt Roads
- Railroad
- Stand Boundary
- ▤ Biodiversity/Old growth area
- ▨ 148 - Final harvest/Natural regeneration/Other
- ▧ 400 - Thinning
- ▩ 500 - Removal
- 800 - Selection
- 848 - Selection/Natural regeneration/Other

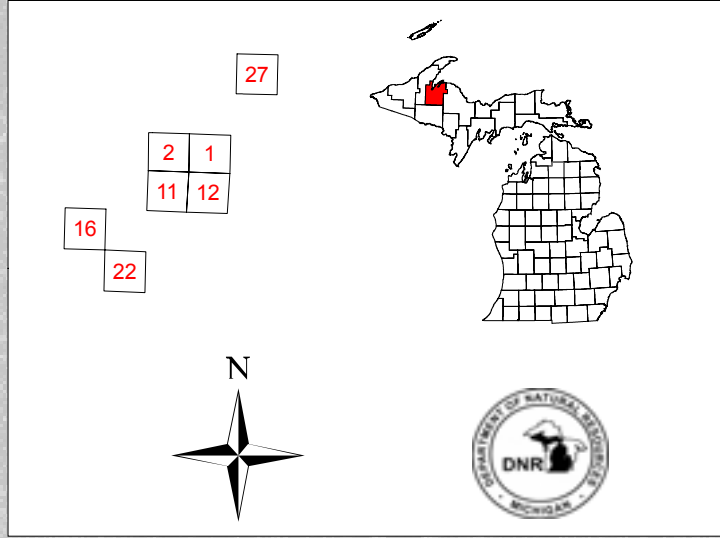


1 0.5 0 1 Miles



Field Map

Compartment 5
T50N, R34W, Sec. 1, 2, 11, 12, 16, 22
T51N, R33W, Sec. 27
County: Baraga
Unit: Baraga
YOE: 2007
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Legend

- ✕ GPS Corners
- - Poor Dirt Roads
- +— Railroad
- Stand Boundary
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