

# **Compartment Review Presentation**

Baraga Forest Management Unit Compartment 81 Entry Year 2016 Acreage: 3,606 County Keweenaw Management Area: Keweenaw Tip

Revision Date: 04/09/2014

Stand Examiner: Brad Carlson

#### Legal Description:

Keweenaw County, Grant Township T58N R27W, Section 5, 6, 7, 8, 9, 16, 17

#### **Identified Planning Goals:**

The Keweenaw Tip management area is on a bedrock ridge complex in northern Keweenaw County. The state forest covers 8,716 acres and is mostly contiguous. The major ownerships in this vicinity are forest industry and non-industrial private. The management area is dominated by the northern hardwood, upland spruce/fir and cedar cover types. Other attributes that played a role in the definition of this management area include:

• Dominated by two natural communities: mesic northern forest and boreal forest;

- Mid-range in site quality;
- Most of the lands in this management area were acquired after 2000;
- High recreational interest (recommendations of the Keweenaw Point Citizens Advisory Committee); and
- Opportunities to enhance biodiversity.

The management priorities for this area are to develop its recreational characteristics while preserving and enhancing the native biodiversity. Management for timber products will be limited to when compatible with the other priorities.

#### Soil and topography:

The upland is hilly to rolling; soils are Arcadian-Dishno-Rock Outcrop complex, Arcadian-Michigamme-Rock Outcrop complex, Trimountain-Lac La Belle-Michigamme complex, Gratiot-Sabattis complex, Montreal-Paavola-Dishno complex, Wallace-Rubicon sands on the upland, and Lupton and Tawas mucks, Tawas-Deford mucks in the lowlands.

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

Lands to the west are forest industry; there are small private ownerships to the east, and state land to the south. The Nature Conservancy owns property to the north.

#### **Unique Natural Features:**

There are threatened and endangered plants in the area.

#### Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

#### **Special Management Designations or Considerations:**

This has not been designated as a special management area; however, it will be treated as a highly sensitive area.

### Watershed and Fisheries Considerations:

Stream crossings on Union Creek should be upgraded.

#### Wildlife Habitat Considerations:

Feature oak where present; mark trees growing under and around oaks so as to release oak crowns and to stimulate oak reproduction. This compartment features threatened and endangered plant species.

#### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and lacustrine (lake) sand and gravel thin to discontinuous along the coastline. There is insufficient data to determine the glacial drift thickness. The Precambrian Copper Harbor Conglomerate and Portage Lake Conglomerate subcrop below the glacial drift. The Copper Harbor Conglomerate was previously mined for small amounts of copper. There are no gravel pits in the area, but there may be some potential. Abandoned copper mines are located to the west. The Compartment has not been leased for metallic exploration. There is no economic oil and gas production in the UP.

### Vehicle Access:

Access is via the Mandan Road off of the end of US-41. Access is poor (the roads are rough). Stream crossings need to be upgraded. Roads should be upgraded, but not to high speed gravel roads.

#### **Survey Needs:**

Some survey work will need to be completed in section 7 before timbersale preparation can take place.

#### **Recreational Facilities and Opportunities:**

The Mandan Road from the Clark Mine Road to the Highrock Bay and the Highrock Bay Road are a designated Snowmobile Trail. There designated ATV trail in the area but none in the compartment, but the are abundant opportunities for ATV riding. The advisory committee recommended several small campsites, hiking trails and a parking area at High Rock Bay.

#### **Fire Protection:**

This area is usually not a fire prone area, but in August of 2006 the Keystone Bay Fire consumed more than 100 acres of mixed conifer and cedar swamp due to severe drought conditions. This fire occurred just south of the compartment line in compartment 75.

### **Additional Compartment Information:**

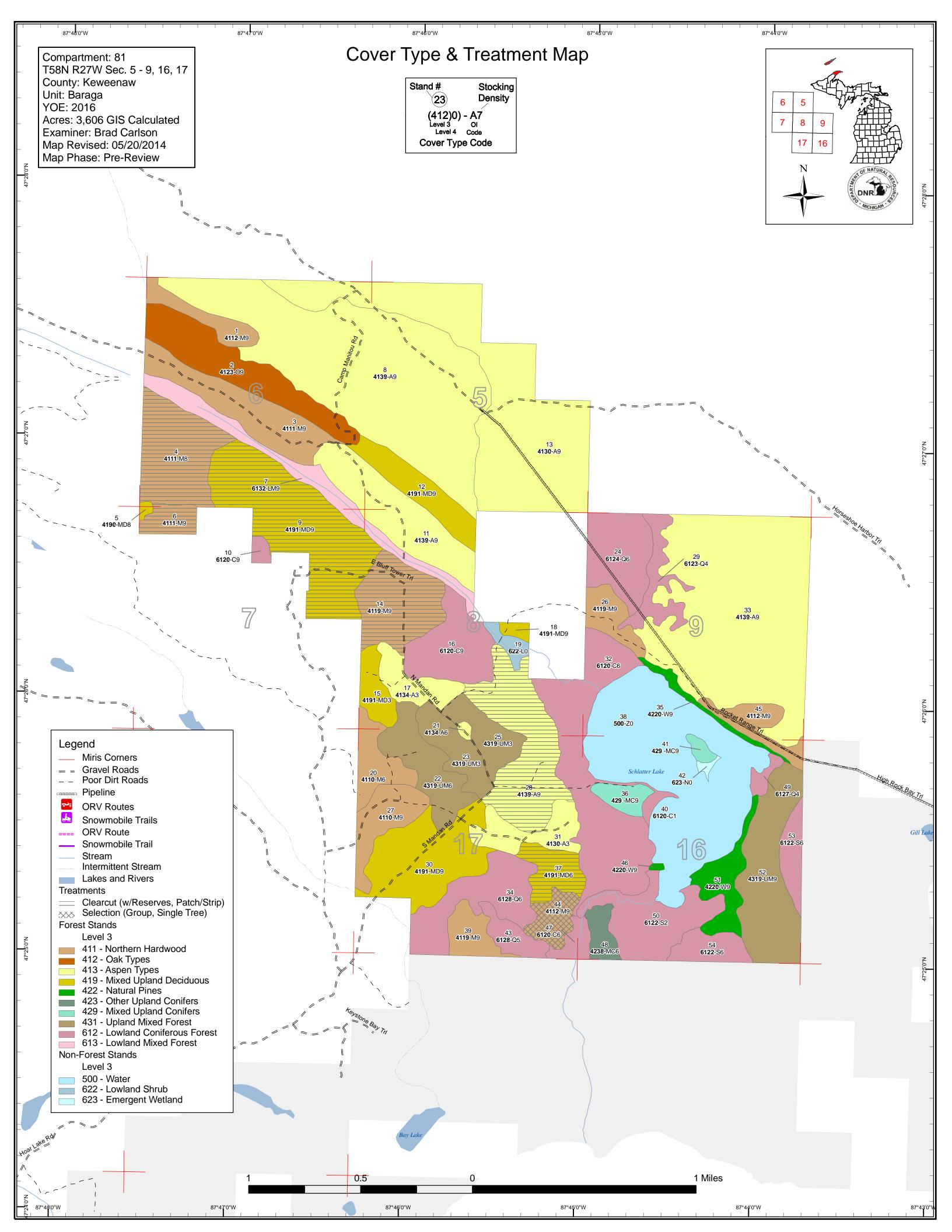
A citizens committee made recommendations for management for this compartment and compartments 75 and 82. These recommendations and the recommendations from the Baraga Management Unit are still in place but no action has been taken to finalize their status..

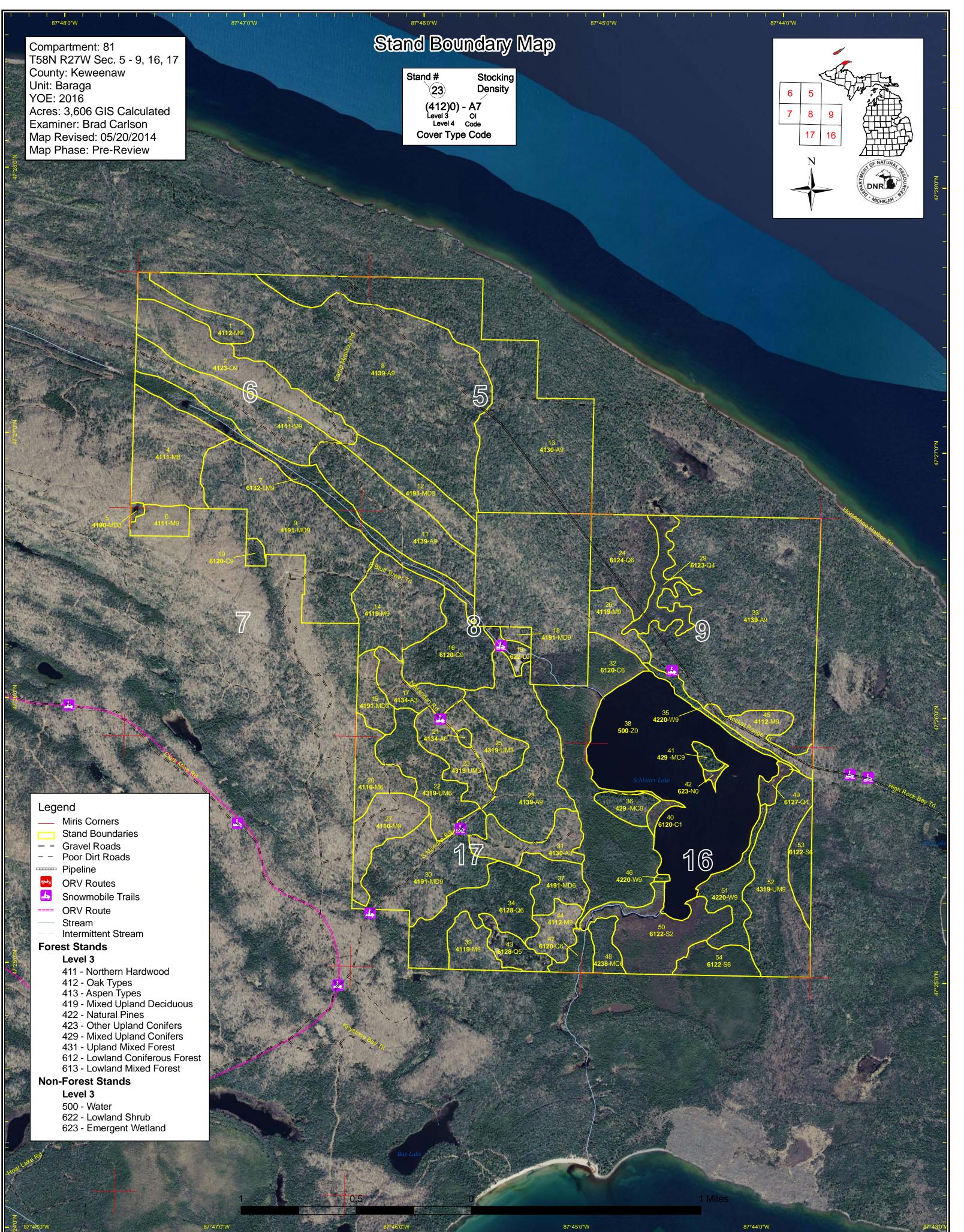
#### The following reports from the Inventory are attached:

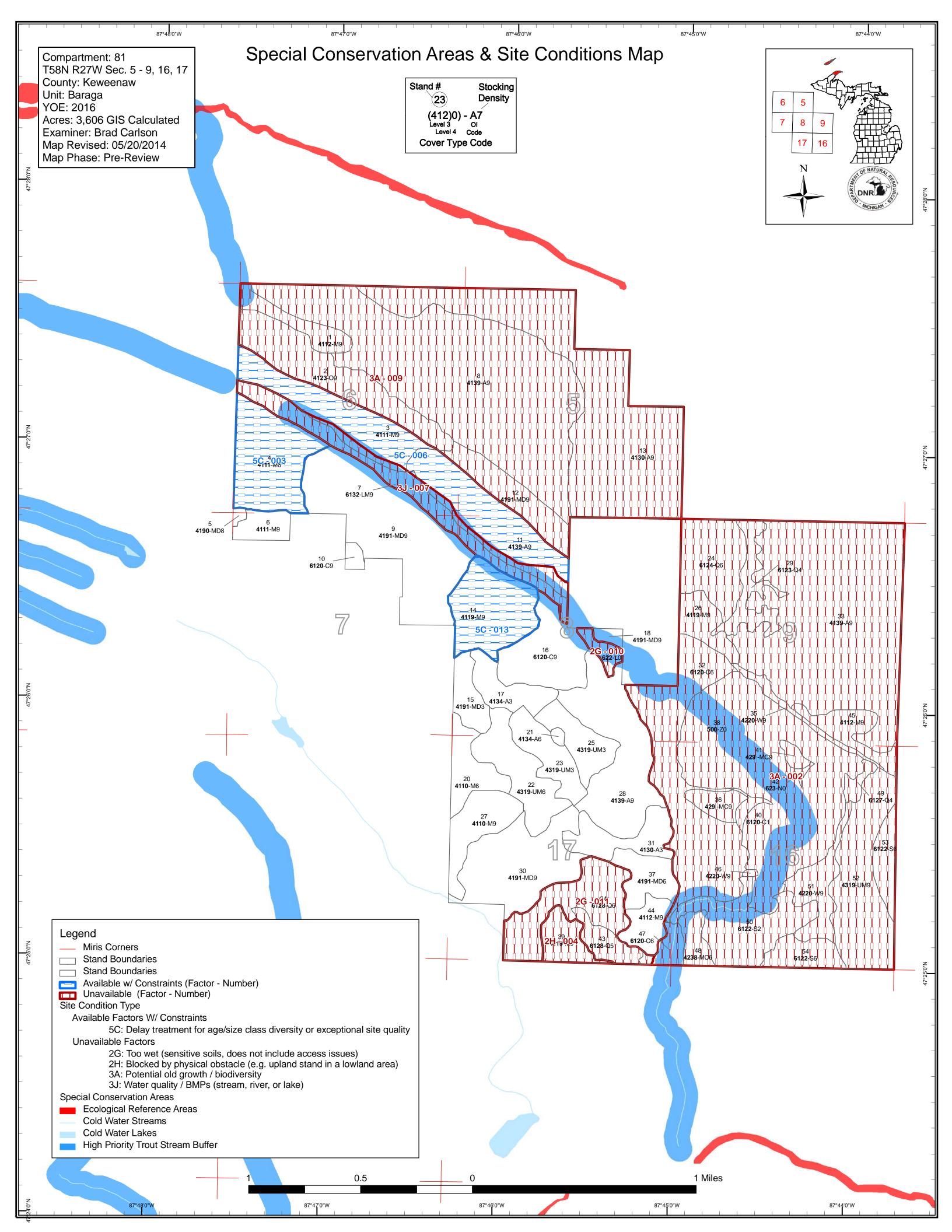
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

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 1 – Total Acres by Cover Type and Age Class

Baraga Mgt. Unit Brad Carlson : Examiner

## Compartment 081 Year of Entry 2016



Age Class

		00	10,10	10:12	60.00	AD AR	Si Si Si	69.09	P. P	8 <sup>0</sup>	69	601.001	,10°,179	× 20 Jue	Pop A	
Aspen	0	74	0	0	0	0	0	510	753	0	0	0	0	0	1337	
Cedar	0	0	0	0	0	20	0	164	0	0	0	0	0	74	258	
Lowland Conifers	0	0	0	0	76	0	54	0	8	0	0	0	0	66	205	
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	66	66	
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
Lowland Spruce/Fir	0	0	0	0	0	78	23	27	0	0	0	0	0	0	128	
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Mixed Upland Deciduous	25	0	0	0	0	0	0	0	49	0	0	0	0	321	394	
Northern Hardwood	0	0	0	0	0	0	0	0	93	20	0	0	0	381	493	
Oak	0	0	0	0	0	0	0	95	0	0	0	0	0	0	95	
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	6	34	40	
Upland Mixed Forest	74	60	0	0	0	0	0	0	0	0	0	0	0	111	246	
Water	280	0	0	0	0	0	0	0	0	0	0	0	0	0	280	
White Pine	0	0	0	0	0	0	0	0	0	0	1	0	0	50	51	
Total	392	134	0	0	76	98	77	796	903	20	1	0	6	1103	3606	



MICHIGAN .	Baraga Mgt. Unit Year of Entry 2016							Compartment Total Compartment Acres:	
			Acre	es by Tre	atment T	/pe			
	Commercial Harvest - 545	Tree Planting - 0		Other - 0					
	Habitat Cut - 0	Opening Maintena	nce - 0						
			Co	ver Type	by Harve	st Meth	od		
			3	8.					
			Cest Cest	See Chi	ee connord	Trining Offic	Contraction of the second		
	Aspen Types		<b>c</b> <sup>660</sup>	660 660 600	C O O	UNIT OFFE	120		
	Aspen Types Mixed Upland Decidu	ous	/ /			((	//		
		ous	120 0	0	0 0		120		

Baraga Mgt. Unit

CoverType

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6

Treatment

Name

Acres

19.7

# Poport 3 -- Treatments Prescribed

111-140

Harvest

91

Compartment: 081

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Size Stand BA Treatment Treatment Cover Type Approval Density Age Range Type Method Objective Status	with No Limiting Factor				Jeu	Year of Entry 2016	DNR MICHIGAN		
							Approval		

Clearcut with

4111 - S.Maple, High Cmpt. Review 11081006-Cut 413 - Aspen Hard Mast Density Log Reserves Proposal Association Prescription Harvest all species down to 4.6 inches DBH exceptred oak, cedar and white pine. Also, reserve hemlock if present. Operation shall not disturb the snowmobile trail from Dec 1st - March 31st. Specs: Sugar Maple has top dieback throughout stand, Red Oak is healthy. Clearcut reserving Red Oak and the few Cedar and White Pine that are in Other Comments: the stand. Retention for this stand will be greater than 3% and will consist of reserve tree species. Next Regeneration survey as per work instructions. Steps: Proposed Start Date: 10/01/2015 9 11081009-Cut 174.3 4191 - Mixed High 86 111-140 Harvest Clearcut with 413 - Aspen Cmpt. Review Upland Deciduous Reserves Density Log Proposal with Conifer Prescription Harvest all species down to 4.6 inches DBH except cedar, red oak and white pine. Also reserve hemlock if it is present. Retention for this stand will be greater than 3% and will consist of reserve tree species. Retain some large aspen and white spruce along Union Creek corridor. Also, Specs: reserve hemlock if present. Operation shall not disturb the snowmobile trail from Dec 1st - March 31st. Maple in the stand has top dieback <u>Other</u> Comments: Regeneration survey as per work instructions. <u>Next</u> Steps: Proposed Start Date: 10/01/2015 28 11081028-Cut 120.3 4139 - Aspen, High 77 81-110 Harvest Clearcut with 413 - Aspen Cmpt. Review Mixed Deciduous Density Log Reserves Proposal Prescription Harvest all species down to 4.6 inches DBH except hemlock, red oak, cedar and white pine. Retention for this stand will be greater than 3% and Specs: will consist of reserve tree species. No operations from DEC 1st - March 31st due to snowmobile trail. <u>Other</u> GMO did a some aspen removal before it was acquired, Stand should be final harvested reserving White Pine, Hemlock. Red Oak and Cedar. Comments: Stand has uneven aged characteristics. Regeneration survey as per work instructions. <u>Next</u> Steps: Proposed 10/01/2015 Start Date: Cmpt. Review 37 11081037-Cut 32.8 4191 - Mixed High 69 51-80 Harvest Clearcut with 413 - Aspen Upland Deciduous Density Reserves Proposal with Conifer Pole Prescription Harvest all species down to 4.6 inches DBH except cedar and white pine. Also reserve red oak and hemlockl if they are present. Retention for this stand will be greater than 3% and will consist of reserve tree species. No operations from DEC 1st - March 31st due to snowmobile trail. Specs: Other Adjacent to a 1998 GMO Clearcut, A nondesignated ATV trail runs through the stand. Comments: Next Regeneration survey as per work instructions. Steps: Proposed 10/01/2015 Start Date:

Baraga Mgt. Unit

#### Report 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 081 Year of Entry 2016

t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44	11081044-Cut	25.1	4112 - Maple, Beech, Cherry Association	High Density Log	97 9	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine, yellow birch 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 less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". No operations from DEC 1st - March 31st due to snowmobile trail.

 Other
 Old road through stand that ATVs have opened up. Road comes from old clearcut to the north.

 Comments:
 Next

 Steps:
 Steps:

Proposed Start Date: 10/01/2015

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Total Treatment Acreage Proposed: 372.3

S t		Barag	ja Mgt. Unit	Report 4		eatment Site Con	s Prescribed	l with	Compartment: 081 Year of Entry 2016	TOP NATURAL AND DURCH
••	eatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4 1108	81004-Cut	93.0	4111 - S.Maple, Hard Mast Association	Medium Density Log	86 J	1-50	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
Prescriptio Specs:	Prescription Harvest all species down to 4.6 inches DBH except cedar, red oak and white pine. Also reserve hemlock if it is present. Retention for this stand will be greater than 3% and will consist of reserve tree species. Also, reserve hemlock if present. Operation shall not disturb the snowmobile trail from Dec 1st - March 31st.									
<u>Other</u> Comment:	possibly	negotiate wit		io wins the b	id on the	adjacent	sale to determine		nd is prescribed. Prese Ily feasible to harvest.	
<u>Next</u> Steps:										
Proposed Start Date:	10/01/20	)15								
Limiting Fa	actor	5C: De	elay treatment for a	ge/size class	s diversit	ty or excep	otional site quality	y		
14 1108	81014-Cut	80.1 No	4119 - Mixed orthern Hardwoods	High Density Log	81 J	1-50	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
Prescriptio Specs:	will be g	reater than 39		of reserve tre	e specie	s. Retain	some large aspe	en and white spruc	f it is present. Retention e along Union Creek co	
<u>Other</u> Comment:									nd is prescribed. Prese Ily feasible to harvest.	cribe stand and
<u>Next</u> <u>Steps:</u>	Regene	ration survey	as per work instruc	tions.						
Proposed Start Date:	<u> </u>	)15								
Limiting Fa	actor	5C: De	elay treatment for a	ge/size class	s diversit	y or excep	otional site quality	y		
	al Treatmer									

Acreage Proposed: 173.1

Baraga Mgt. Unit

### Brad Carlson : Examiner

Compartment 081 Year of Entry 2016 DR NATURA PROVIDENCE

### Availability for Management

		•								
Total	Acres	Acres	C	Domina	nt Site	e Con	dition	s		
Acres	Available	Not Available		No	5C	ЗJ	31	ЗA	2H	2G
1337	276	1060	Aspen	194	82	17	2	1,041		
258	74	184	Cedar	74	0			182		2
204		204	Lowland Conifers					106		98
66	0	66	Lowland Mixed Forest		0	66				
127		127	Lowland Spruce/Fir					127		
394	346	48	Mixed Upland Deciduous	346				48		
492	373	120	Northern Hardwood	124	249	8		85	27	
95		95	Oak					95		
40		40	Upland Conifers					40		
245	134	111	Upland Mixed Forest	134				111		
51		51	White Pine					51		
3,310	1,203	2,107	Total Forested Acres	871	332	91	2	1,887	27	100
	36%	64%	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.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Not Available	3A: Potential old growth / biodiversity	1,318				
С	omments:						
003	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	93				
С	omments:						

		Baraga Mgt. Unit arlson : Examiner		Report 5 – Site Conditior	S	Compartment 081 Year of Entry 2016	AT UNCLUS C
004	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	27	5C: Delay treatment for age/size class diversity or exceptional site quality			
С	omments:						
005	Not Available	3l: Historical / archeological (add locked comments)	3	5E: Long Term			
С	omments:						
006	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	159	No Limiting Factor			
С	omments:						
007	Not Available	3J: Water quality / BMPs (stream, river, or lake)	91				
С	omments:						
009	Not Available	3A: Potential old growth / biodiversity	853				
С	omments:						
010	Not Available	2G: Too wet (sensitive soils, does not include access issues)	11				
С	omments:						

		3araga Mgt. Unit arlson : Examiner	Report 5 – Site Conditions	Compartment 081 Year of Entry 2016	MICHIGAN
011	Not Available	2G: Too wet (sensitive soils, does not include access issues)	100		
С	omments:				
013	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	80		
C	omments:				



#### Report 6 – 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
Baraga POG 1 Comments	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area		853.0
Baraga POG 2 Comments	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area		1317.5



# Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservatio Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical is sites of cultural and historical significance that may occur upon to bottomlands. They include thousands of Native American settler and British outposts, nineteenth century logging camps, mines a the Great Lakes, there are shipwrecks and other remains docum be identified by Natural heritage data from the State Historic Pre this compartment will be implemented in such a manner as to m the sensitive nature of this information, no further detail about log	errestrial areas and Great Lakes nents and burial sites, as well as French and homesteads. Beneath the waters of nenting the maritime trade. Such sites may eservation Office. Proposed treatments in aintain the integrity of these sites. Due to
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish spec year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from ese conditions due to substantial
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildl and Waterfowl Production Areas, deer wintering complexes in lo openings and savannas. Habitat areas are distinct from critical h endangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened o covered by species recovery plans that are developed in cooper	wland conifer communities, grassland habitat designated for recovery of piping plover areas) in that they are more r endangered species, and are not
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high o communities are ecologically and socially significant in their effe as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian cts on water quality and quantity, as well
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples or identified as Element Occurrences (EOs) by the Michigan Natura context of their natural community classification system. Elemen (Excellent) or B (Good) and a Global (G) or State (S) element (ra threatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations managed for restoration and maintenance of natural ecological p submit recommendations for lands as ERAs using the DNR Con	al Features Inventory (MNFI) within the t Occurrences with viability ranks of A arity) ranking of endangered (1), way be located upon any ownership in of natural community types that are processes and values. The public may

S t	Baraga	a Mgt. Unit		Report 8 –	Forested	Stands Compartment: 081
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4112 - Maple, Beech, Cherry Association	High Density Log	26.8	Uneven Age	81-110	Steep terrian. Tough access.
2	4123 - Red Oak	High Density Log	94.8	71	51-80	Ridgetop Oak, 2 sticks tall. No signs of past management. Consider type 2 old growth.
3	4111 - S.Maple, Hard Mast Association	High Density Log	84.3	Uneven Age	81-110	Stand was highgraded before it was acquired. The Mandan Road travels the entire length of the stand and recieves heavy recreational use in the summer months.
4	4111 - S.Maple, Hard Mast Association	Medium Density Log	93.0	86	1-50	Stand was cut heavy by GMO before we acquired it. Residual maple is either dead or dying. Adjacent stand is prescribed. Prescribe stand and possibly negotiate with the contractor who wins the bid on the adjacent sale to determine if it is economically feasible to harvest.
5	4190 - Mixed Upland Deciduous with Cedar	Medium Density Log	2.4	Uneven Age	51-80	Small pocket bog surrounded by cedar.
6	4111 - S.Maple, Hard Mast Association	High Density Log	19.7	91	111-140	Sugar Maple has top dieback throughout stand, Red Oak is healthy. Clearcut reserving Red Oak and the few Cedar and White Pine that are in the stand.
7	6132 - Mixed Lowland Forest with Cedar	High Density Log	66.4	Uneven Age	51-80	Stream corridor with steep slopes transitioning from the upland. Pockets of L0 where there are old beaver dams.
8	4139 - Aspen, Mixed Deciduous	High Density Log	394.8	81	81-110	Some wet drainages within stand. No signs of past management. Consider nominating for Type 2 old growth. Stand has uneven aged characteristics due to the prevailing wind off of Lake Superior creating pockets of wind throw which regenerate younger early successional species.
9	4191 - Mixed Upland Deciduous with Conifer	High Density Log	174.3	Uneven Age	111-140	Maple has top dieback which is severe is some areas of the stand. Even age manage the stand for Aspen, Pine and Oak. Final harvest reserving White Pine, Cedar and Red Oak.
10	6120 - Lowland Cedar	High Density Log	5.9	Uneven Age	51-80	
11	4139 - Aspen, Mixed Deciduous	High Density Log	99.5	71	81-110	The Mandan Road travels the entire length of the stand and recieves a high volume of recreational traffic in the summer months. Possibly harvest next rotation with adjacent hardwood stand.
12	4191 - Mixed Upland Deciduous with Conifer	High Density Log	48.5	81	81-110	No signs of past management. Consider nominating for Type 2 old growth. Stand has uneven aged characteristics due to the prevailing wind off of Lake Superior creating pockets of wind throw which regenerate younger early successional species.
13	4130 - Aspen	High Density Log	287.9	71	81-110	Some wet drainages within stand. No signs of past management. Consider nominating for Type 2 old growth. Stand has uneven aged characteristics due to the prevailing wind off of Lake Superior creating pockets of windthrow which regenerate younger early successional species.

S t	Baraga		Report 8 –	Forested	Stands Compartment: 081 Year of Entry: 2016		
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
14	4119 - Mixed Northern Hardwoods	High Density Log	80.1	Uneven Age	1-50	Stand was cut heavy by GMO before we acquired it. Residual maple is either dead or dying. Adjacent stand is prescribed. Prescribe stand and possibly negotiate with the contractor who wins the bid on the adjacent sale to determine if it is economically feasible to harvest.	
15	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	24.6	7		cut in 2007 as part of "Tears Aspen" 11-017-06-01.	
16	6120 - Lowland Cedar	High Density Log	68.1	Uneven Age	111-140	GMO attempted some cutting but left because it was too wet, Some aspen is managable on the west side of the stand next to the mandan road. High Rock Bay Road borders the stand.	
17	4134 - Aspen, Spruce/Fir	High Density Sapling	32.6	16		Clearcut by GMO in 1998.	
18	4191 - Mixed Upland Deciduous with Conifer	High Density Log	5.6	Uneven Age	51-80	Small acreage, High Rock Bay road runs through the stand.	
20	4110 - Sugar Maple Association	High Density Pole	35.2	Uneven Age	51-80	Monitor for top dieback in summer. May need to final harvest if it is severe.	
21	4134 - Aspen, Spruce/Fir	High Density Pole	2.5	74		Retention Island from "Tears Aspen" 11-017-06-01. See OF layer.	
22	4319 - Mixed Upland Forest	High Density Pole	60.0	16	1-50	Stand was poorly clearcut by GMO in 1998. There is quite a bit of scattered residual.	
23	4319 - Mixed Upland Forest	High Density Sapling	38.7	7		Harvest in 2007 with "Tears Aspen" 11-017-06-01.	
24	6124 - Lowland Spruce- Fir	High Density Pole	65.8	Uneven Age		Stand appear to have no past management. Consider for Type 2 old growth.	
25	4319 - Mixed Upland Forest	High Density Sapling	35.7	7		Harvested in 2007 with "Tears Aspen" 11-017-06-01.	
26	4119 - Mixed Northern Hardwoods	High Density Log	27.8	Uneven Age	51-80	No Signs of past management - consider for Type 2 old growth. High Rock Bay road travels through the stand and recieves high recreational traffic in the summer months.	
27	4110 - Sugar Maple Association	High Density Log	44.2	Uneven Age	51-80	Thinned hard by GMO before it was acquired, Thin next rotation. Top dieback it parts of stand, moniter in summer to check severity.	
28	4139 - Aspen, Mixed Deciduous	High Density Log	120.3	77	81-110	GMO did a some aspen removal before it was acquired, Stand should be final harvested reserving White Pine, Hemlock. Red Oak and Cedar. Stand has uneven aged characteristics.	
29	6123 - Lowland Fir	Low Density Pole	32.6	61		Old Beaver flooding. No signs of past management - consider for type 2 old growth.	

S	Baraga Mgt. Unit			Report 8 –	Forested	Stands Compartment: 081 Year of Entry: 2016	
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
30	4191 - Mixed Upland Deciduous with Conifer	High Density Log	106.2	Uneven Age	81-110	Thinned hard by GMO before it was acquired. Top dieback in parts of stand, monitor in summer months to determine severity.	
31	4130 - Aspen	High Density Sapling	41.3	16		Clearcut by GMO iin 1998.	
32	6120 - Lowland Cedar	High Density Pole	164.0	71		North part of stand resembles D0. Road travels through star to the south side of Schlatter Lake. No sign of past management. Consider type 2 old growth	
33	4139 - Aspen, Mixed Deciduous	High Density Log	358.3	81	51-80	Some wet drainages within stand. No signs of past management. Consider nominating for Type 2 old growth. Stand has uneven aged characteristics due to the prevailing wind off of Lake Superior creating pockets of wind throw which regenerate younger early successional species.	
34	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	76.4	47	51-80	Wet Ground, Pockets of wind throw creating and all aged condition. No signs of past managment.	
35	42200 - Natural White Pine	High Density Log	11.9	Uneven Age	51-80	No signs of past management. Consider nominating for Type 2 old growth. Stand has uneven aged characteristics due to the prevailing wind off of Lake Superior creating pockets of wind throw which regenerate younger early successional species. Inoperable hillside next to Schlatter Lake. Campsites within stand along with roads providing boat access to the lake.	
36	429 - Mixed Upland Conifers	High Density Log	16.7	Uneven Age	81-110	White Pine knob next to Schlatter Lake. Campsites within star and roads providing boat access to the lake. No signs of pas management. Consider nominating for Type 2 old growth. Stand has uneven aged characteristics due to the prevailing wind off of Lake Superior creating pockets of wind throw which regenerate younger early successional species.	
37	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	32.8	Uneven Age	51-80	Adjacent to a 1998 GMO Clearcut, A nondesignated ATV trail runs through the stand.	
39	4119 - Mixed Northern Hardwoods	High Density Log	26.7	Uneven Age	111-140	Tough access hardwood island surrounded by swamp. May qualify as type 2 old growth, may want to add if stands in adjacent compartment to the south qualify as type 2 old growth Factor Limit as "no access"	
40	6120 - Lowland Cedar	Low Density Sapling	5.9	54	1-50	Previously a DO. No signs of past management. Consider nominating for Type 2 old growth.	
41	429 - Mixed Upland Conifers	High Density Log	6.0	121	111-140	Island in Schlatter Lake. Campsite within stand. No signs of past management. Consider nominating for Type 2 old growth.	
43	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	21.8	61	51-80	Stand was significantly impacted by beavers in the past. Forested sections could be considered upland. Possible access from the east.	
44	4112 - Maple, Beech, Cherry Association	High Density Log	25.1	Uneven Age	81-110	Old road through stand that ATVs have opened up. Road comes from old clearcut to the north.	

S t	Barag		Report 8 –	Forested	Stands Compartment: 081 Year of Entry: 2016		
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
45	4112 - Maple, Beech, Cherry Association	High Density Log	30.3	Uneven Age	141-170	High Rock Bay road travel through the stand and recieves high volume of recreational traffic during the summer months. No signs of past management. Consider nominating for Type 2 old growth.	
46	42200 - Natural White Pine	High Density Log	1.2	101	81-110	Small White Pine Knob on the southwest side of Schlautter's Lake. Consider for Type 2 Old Growth. Cedar is on Shoreline.	
47	6120 - Lowland Cedar	High Density Pole	14.1	56		ATV trail cut open on very north edge of stand. No signs of pas management. Consider nominating for Type 2 old growth. Union creek travels through stand.	
48	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	17.1	Uneven Age	51-80	ATV trail cut open on west side of stand. No sign of previous management. Consider for type 2 old growth.	
49	6127 - Lowland Pine	Low Density Pole	7.9	89	1-50	No signs of previous management. Consider for type 2 old growth. Stand is flooded by Schlatter Lake when water level are high.	
50	6122 - Black Spruce	Medium Density	77.9	54		Currently a federally recognized ERA as a poor conifer swam No signs of previous management, Consider for type 2 old growth.	
51	42200 - Natural White Pine	High Density Log	38.3	Uneven Age	81-110	No signs of previous management. Consider of type 2 old growth. Forest road into stand from High Rock Bay road provides boat access to Schlatter Lake. Campsites in the nor part of stand.	
52	4319 - Mixed Upland Forest	High Density Log	111.1	Uneven Age	51-80	Forest road through stand provides Boat access to Schlaut Lake from the High Rock Bay road. Also ATV trail cut throu the stand and possibly goes around Schlautter's Lake.	
53	6122 - Black Spruce	High Density Pole	23.0	64	51-80	No signs of past management. Consider nominating for Type 2 old growth. Stand has uneven aged characteristics due to the prevailing wind off of Lake Superior creating pockets of wind throw which regenerate younger early successional species.	
54	6122 - Black Spruce	High Density Pole	26.6	77	81-110	Federally recognized ERA as a Poor Conifer Swamp. No signs of past management. Consider nominating for type 2 old	

Compartment: 081 Year of Entry: 2016



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
19	6220 - Alder/willow	10.8	No	Unspecified	
38	50 - Water	279.9	No	Unspecified	
42	6239 - Mixed Emergent Wetland	2.5	No	Unspecified	