



**BARAGA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #65      ENTRY YEAR: 2010**

**Compartment Acreage: 1896      County: Ontonagon**

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**Revision Date:** 10/17/2007

**Stand Examiner:** Brad S. Carlson

**Legal Description:** Greenland & Bohemia Township  
T49N, R32W, Sections 26, 27, 28, 29, 32, and 33

**RMU (if applicable):**

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

**Soil and Topography:** There is some level to rolling ground, but the valleys along the Firesteel River have very steep slopes. Soils are Ontonagon and Rudyard clays; and Munising, Iron River and Skanee loams.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The surrounding land use is generally timber management.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** MNFI suggests there is potential for wood turtles along drainages. They also suggest there is potential for red-shouldered hawk, northern goshawk, moose, and grey wolf. Stands along the Firesteel River have been recommended for SCA's.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** The Firesteel Bridges should be considered a cultural resource.

**Special Management Designations or Considerations:** BMP guidelines should be followed around the intermittent streams.

**Watershed and Fisheries Considerations:** The Firesteel River and tributaries are important. Care must be taken to protect drainages and streams in this compartment.

**Wildlife Habitat Considerations:** Favor mesic conifers; White Pine and Hemlock, as well Northern Red Oak. Drainages and ridges create numerous travel corridors for wildlife.

**Mineral Resource and Development Concerns and/or Restrictions:** There are several mine shafts in this compartment. Included are some mine rock piles. There are known sand or gravel deposits.

**Vehicle Access:** Some roads may have to be upgraded for timber harvest. Access is along the Nichols Multiuse Recreational Trail.

**Survey Needs:** Some survey work will need to be done for harvest activities.

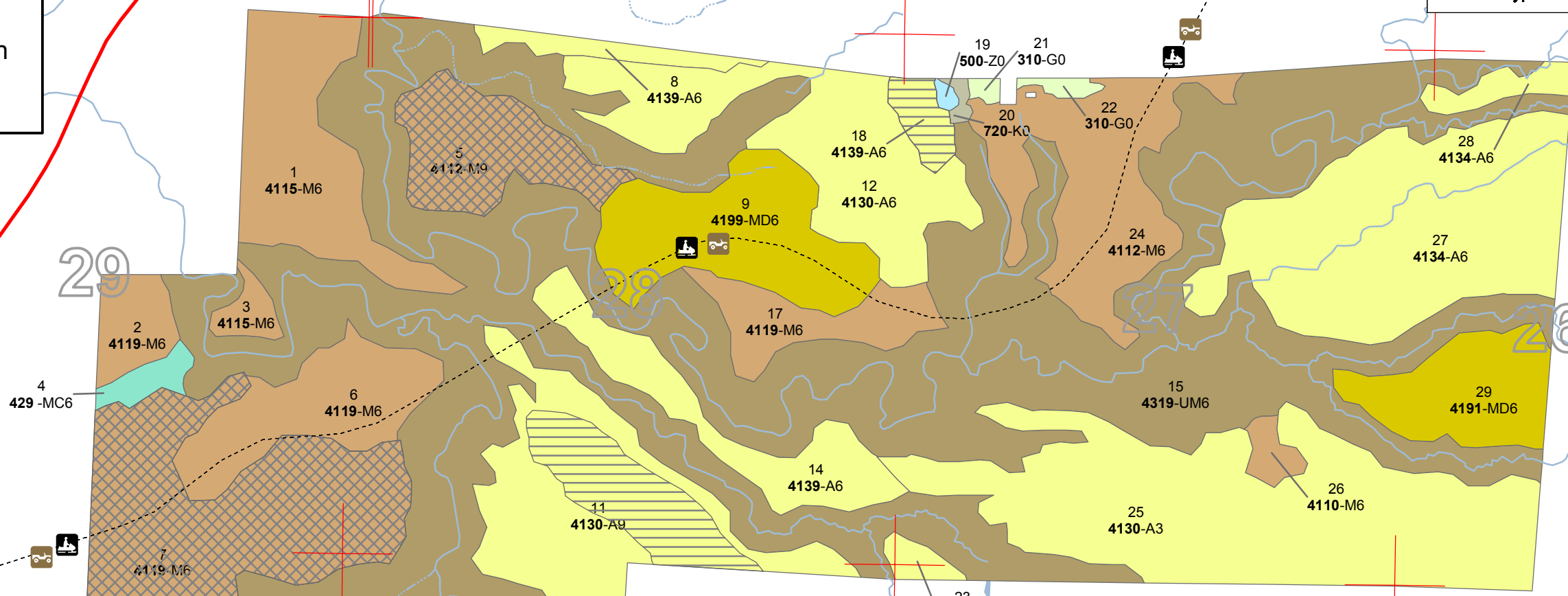
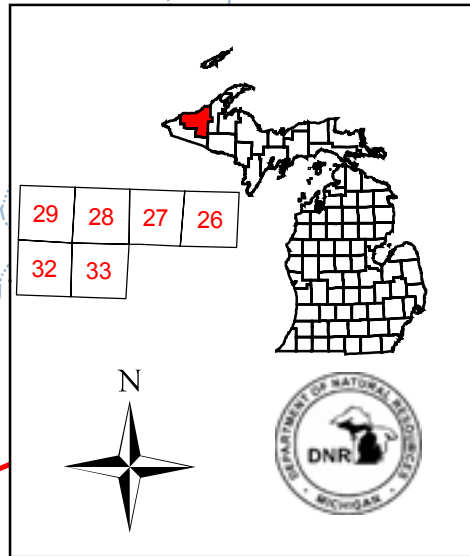
**Recreational Facilities and Opportunities:** The area gets some small game, bear, and deer hunting use. The compartment is bisected by the Bill Nichols Multi-use Trail.

**Fire Protection:** There is very little fire activity in this area.

# Cover Type & Treatment Map

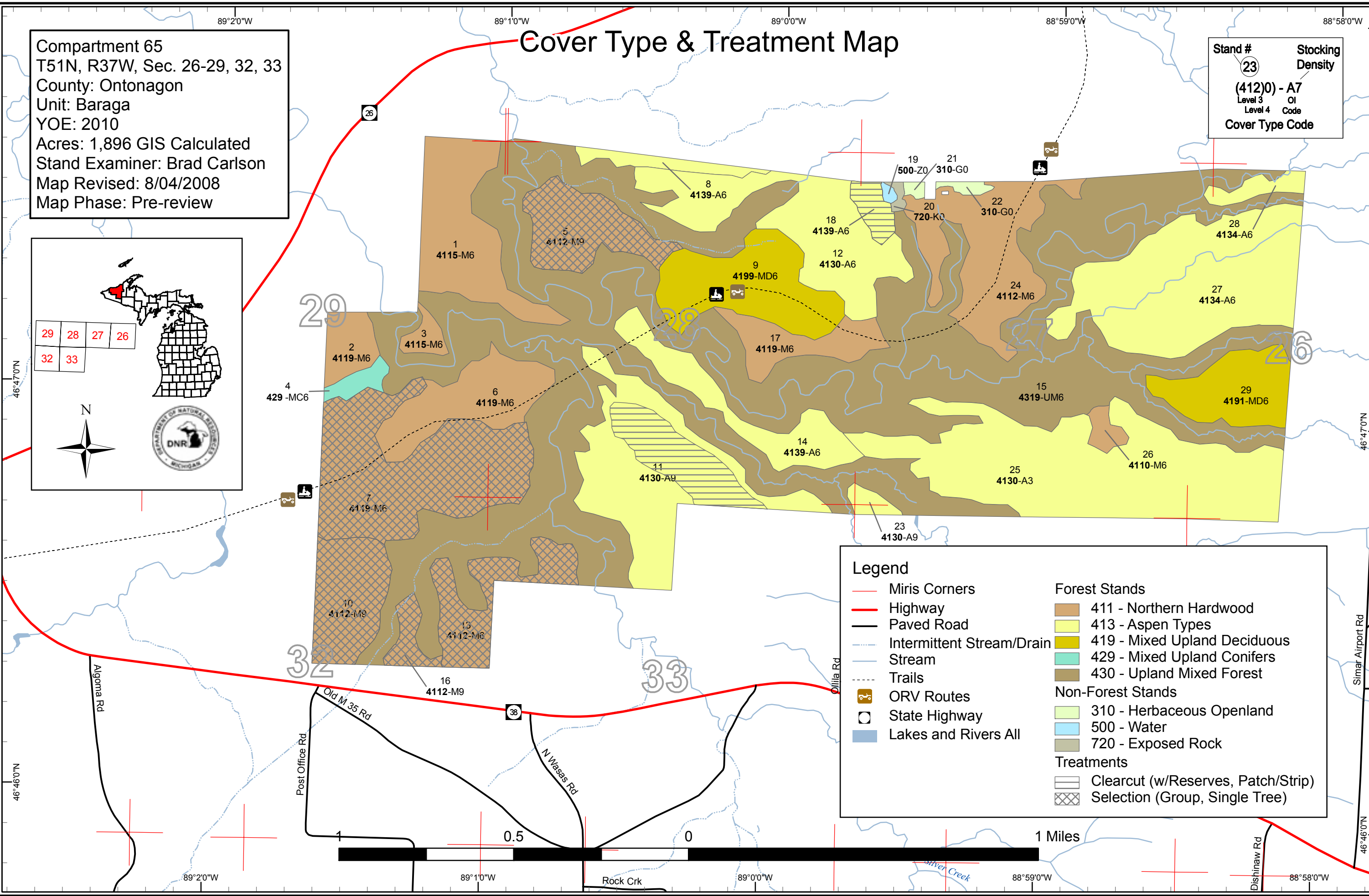
Compartment 65  
 T51N, R37W, Sec. 26-29, 32, 33  
 County: Ontonagon  
 Unit: Baraga  
 YOE: 2010  
 Acres: 1,896 GIS Calculated  
 Stand Examiner: Brad Carlson  
 Map Revised: 8/04/2008  
 Map Phase: Pre-review

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



**Legend**

— Miris Corners	<b>Forest Stands</b>
— Highway	411 - Northern Hardwood
— Paved Road	413 - Aspen Types
— Intermittent Stream/Drain	419 - Mixed Upland Deciduous
— Stream	429 - Mixed Upland Conifers
— Trails	430 - Upland Mixed Forest
ORV Routes	<b>Non-Forest Stands</b>
State Highway	310 - Herbaceous Openland
Lakes and Rivers All	500 - Water
	720 - Exposed Rock
	<b>Treatments</b>
	Clearcut (w/Reserves, Patch/Strip)
	Selection (Group, Single Tree)

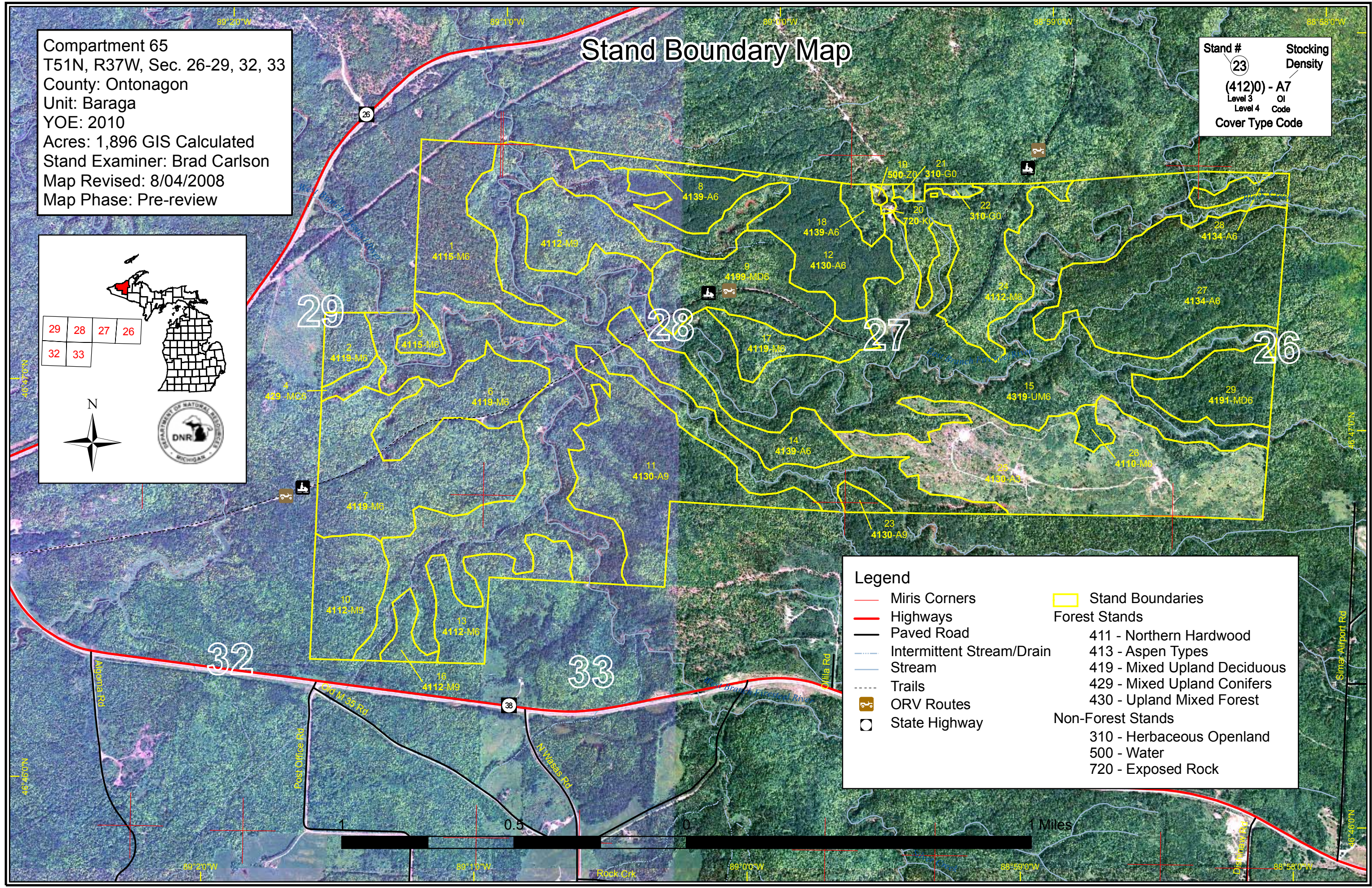


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# Stand Boundary Map

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

29 28 27 26  
 32 33



**Legend**

- Miris Corners
- Highways
- Paved Road
- Intermittent Stream/Drain
- Stream
- Trails
- ORV Routes
- State Highway
- Stand Boundaries

**Forest Stands**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest

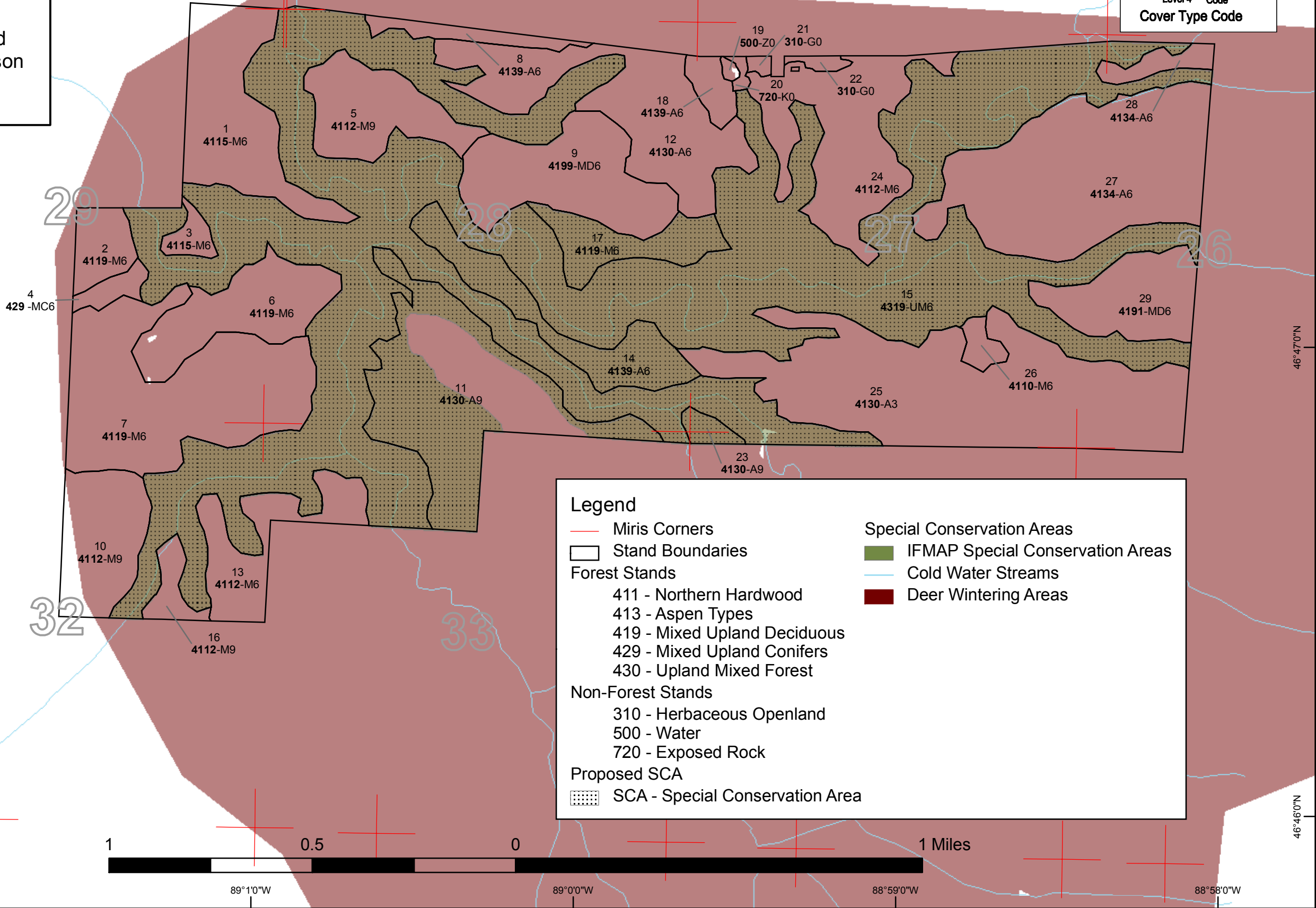
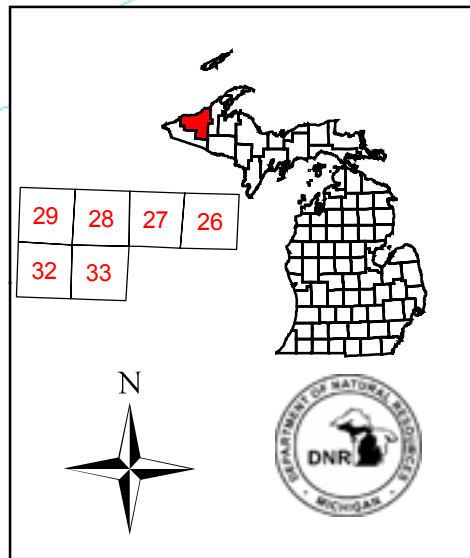
**Non-Forest Stands**

- 310 - Herbaceous Openland
- 500 - Water
- 720 - Exposed Rock

# Dedicated & Proposed Special Conservation Area Map

Compartment 65  
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Stand #  
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**Legend**

- Miris Corners
- Stand Boundaries
- Forest Stands
  - 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 429 - Mixed Upland Conifers
  - 430 - Upland Mixed Forest
- Non-Forest Stands
  - 310 - Herbaceous Openland
  - 500 - Water
  - 720 - Exposed Rock
- Proposed SCA
  - ▨ SCA - Special Conservation Area
- Special Conservation Areas
  - IFMAP Special Conservation Areas
  - Cold Water Streams
  - Deer Wintering Areas

Baraga Mgt. Unit

**Coverture, Acres, and Age summary**  
(Level 3 Cover Type)

Compartment 065 Year of Entry 2010

Report Date: 08/04/2008



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen Types	0	169.4	0	0	0	84.3	0	0	0	0	0	0	0	0	319.6	573.2
Exposed Rock	1.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7
Herbaceous Openland	4.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4
Mixed Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.0	7.0
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	105.7
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	490.8	490.8
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	711.6	711.6
Water	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2
<b>Total</b>	<b>7.4</b>	<b>169.4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>84.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1634.8</b>	<b>1895.7</b>

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
5 11065005-Cut	43.1	4112 - Maple, Beech, Cherry Association	High Density Log	82	Harvest	Single Tree Selection	Maple, Beech, Cherry Association

Rev  
Cmnt:

Rev Spec: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Next Steps: Check for adequate regeneration within 4 years of harvest completion.

7 11065007-Cut	113.5	4119 - Mixed Northern Hardwoods	High Density Pole	81	Harvest	Single Tree Selection	Mixed Northern Hardwoods
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Rev  
Cmnt:

Rev Spec: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Next Steps: check for adequate regeneration within 4 years of harvest completion.

10 11065010-Cut	43.2	4112 - Maple, Beech, Cherry Association	High Density Log	68	Harvest	Single Tree Selection	Maple, Beech, Cherry Association
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Rev  
Cmnt:

Rev Spec: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Next Steps: check for adequated regeneration within 4 years of harvest completion.

11 11065011-Cut	34.4	4130 - Aspen	High Density Log	77	Harvest	Clearcut with Reserves	Aspen, Spruce/Fir
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Rev  
Cmnt:

Rev Spec: Clearcut all species except Hemlock, White Pine, Cedar and Oak if present.

Next Steps: check for adequate regeneration within 4 years of harvest completion.

13 11065013-Cut	37.9	4112 - Maple, Beech, Cherry Association	High Density Pole	81	Harvest	Single Tree Selection	Maple, Beech, Cherry Association
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Rev  
Cmnt:

Rev Spec: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Next Steps: check for adequate regeneration within 4 years of harvest completion.

18 11065018-Cut	9.2	4139 - Aspen, Mixed Deciduous	High Density Pole	61	Harvest	Clearcut with Reserves	Aspen, Mixed Deciduous
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Rev  
Cmnt:

Area is a reclaimed mine site.

Rev Spec: Clearcut all species except Cedar, Oak, White Pine and Hemlock.

Next Steps: check for adequate regeneration within 4 years of harvest completion.

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Baraga Mgt. Unit  
Inventory Method: IFMAP

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**

Compartment: 065      Entry Yr: 2010  
Date 08/04/2008



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 2 of 2
Total Treatment Acreage Proposed:		281.3						

**PROPOSED TREATMENTS  
WITH LIMITING FACTORS**



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Treatment Name	Acres	Stage1 Cover Type	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
16 11065016-Cut	9.8	4112 - Maple, Beech, Cherry Association	High Density Log	98	Harvest	Single Tree Selection	Maple, Beech, Cherry Association

Limiting Factor and Comment: 2D: Road needed  
Road or Bridge needed. Adjacent property to the south was cut but isn't apparent how the wood was taken out. A portable bridge may be need if stand is accessed from the east through adjacent stand.

Rev Cmnt:

Rev Spec: Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Next Steps: check for adequated regeneration within 4 years of harvest completion.

No Treatment Reason: Road or Bridge needed. Adjacent property to the south was cut but isn't apparent how the wood was taken out. A portable bridge may be need if stand is accessed from the east through adjacent stand.

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**Total Treatment  
Acreage Proposed:    9.8**



**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.

**Inventory Method: IFMAP**

<b>Stand</b>	<b>SCA Name</b>	<b>Acres</b>	<b>Comments</b>
11	11065011	76.4	This is the area of this stand that was agreed to be left in the SCA layer for potential old growth and wildlife travel corridor at Post inventory review.
14	11065014	42.4	stand is situated on a razorback ridge and should be included in the SCA layer to block in SCA area.
15	11065015	711.6	Stand was previously listed in the potential old growth layer. It is our recommendation to carry this stand forward with the SCA designation.
17	11065017	27.7	Consider SCA to block in SCA acreage.
23	11065023	5.4	acreage too small to warrant the road building process to get here. Could be added to SCA layer if need to block in acreage. Agreed to be added to SCA layer at post inventory review as a Riparian Corridor stand.



## 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 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	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.