



# Report 1 – Compartment Review Presentation

Baraga Forest Management Unit

Compartment 56

Entry Year 2015

Acreage: 1,867

County Houghton

Management Area: Central Houghton

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**Revision Date:** 07/17/2013

**Stand Examiner:** Jason Mittlestat

**Legal Description:**

Houghton County, Elm River Township.  
T52N R36W Sec: 16, 17, 18, 20, 21

**Identified Planning Goals:**

Central Houghton (4.6)  
To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs while protecting the water resources.

**Soil and topography:**

The upland sites are on high sloping plateaus, and steep hills with drainage running through deep gullies. Soils are Graveraet-Misery-Ocqueoc Association and Graveraet-Kalkaska Association. Lowlands are Lupton and Cathro mucks.

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

This compartment is adjacent to Twin Lakes State Park property to the east, and is otherwise surrounded by private industrial lands. There is also a private golf course to the south of the compartment.

**Unique, Natural Features:**

None identified.

**Archeological, Historical, and Cultural Features:**

There are a few abandoned copper mine shafts throughout the compartment.

**Special Management Designations or Considerations:**

None listed.

**Watershed and Fisheries Considerations:**

The Misery River, Ahola Creek, Butch Creek and several small tributaries run through this compartment. These are all native brook trout streams.

**Wildlife Habitat Considerations:**

Compartment 56 is found in the Central Houghton Management Area on Dissected Moraines in Central Houghton County. The major forest cover types include Northern Hardwoods, Aspen, and Mixed Lowland Conifer. Some of the most significant wildlife management issues in the management area are: mesic conifers; mature forest; habitat fragmentation; coarse woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents almost 15% of the WUP State Forest hemlock resource and is one of the few MAs where the species reliably regenerates and recruits.

The following have been identified, as featured species for the Central Houghton Management Area:  
Blackburnian Warbler, Pileated Woodpecker, and Northern Goshawk.

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

This area had numerous copper workings – test pits, and mine shafts. Surface sediments consist of coarse textured glacial till, lacustrine sand and gravel and an end moraine of fine-textured glacial till. There is insufficient data to determine the Glacial Drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. There is not a current economic use for the Jacobsville, but it was used as a building stone in the past. The nearest gravel pit is located two miles to the southeast and potential appears limited. Abandoned copper mines and crushed basalt piles are located five miles to the west. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Access is from Poyhonen Road at Twin Lakes and there is additional access north of Winona across private property.

**Survey Needs:**

Survey work will be needed to facilitate timber harvest activities.

**Recreational Facilities and Opportunities:**

Snowmobile trail number 13 crosses this compartment. Twin Lakes State Park's ski trail also crosses into the compartment.

**Fire Protection:**

This is not a fire prone 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



	Age Class													Total	
	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
Aspen	0	4	0	47	0	0	0	0	0	0	0	0	0	0	51
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	17	0	0	0	0	9	0	0	0	144	170
Lowland Deciduous	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	26	0	0	295	321
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	1200	1200
Oak	0	0	0	0	0	0	0	0	50	0	0	0	0	14	64
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	8	0	8	15
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
<b>Total</b>	<b>26</b>	<b>4</b>	<b>0</b>	<b>47</b>	<b>17</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>50</b>	<b>9</b>	<b>37</b>	<b>8</b>	<b>0</b>	<b>1662</b>	<b>1867</b>



# Report 3 – Proposed Treatment Summaries

Baraga Mgt. Unit  
Year of Entry 2015

Compartment 056  
Total Compartment Acres: 1867

## Acres by Treatment Type

Commercial Harvest - 694    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
Lowland Coniferous Forest	9	0	0	0	0	0	9
Lowland Deciduous Forest	8	0	0	0	0	0	8
Mixed Upland Deciduous	120	0	0	0	0	0	120
Northern Hardwood	0	557	0	0	0	0	557
<b>Total</b>	<b>137</b>	<b>557</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>694</b>



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	11056001-Cut	106.0	4119 - Mixed Northern Hardwoods	High Density Log	88	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar. 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".</p> <p><u>Specs:</u></p> <p><u>Other</u> The north part of this stand has lots of ridges that were thinned hard last time, these areas should be excluded from sale in 2015.</p> <p><u>Comments:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2014</p>										
3	11056003-Cut	165.8	4112 - Maple, Beech, Cherry Association	High Density Log	88	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar. 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".</p> <p><u>Specs:</u></p> <p><u>Other</u> Areas with steep slopes may reduce acres.</p> <p><u>Comments:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.</p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2014</p>										
6	11056006-Cut	13.0	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	67	111-140	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all trees except aspen and hemlock. Also, harvest all oak unless marked with paint (only leave tree mark oak over 18" DBH). Reduce BA of large oak down to 10 BA or 100-200 feet apart. This is to encourage oak to seed in and stump sprouting.</p> <p><u>Specs:</u></p> <p><u>Other</u> 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.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Possible ground scarification on a good mast producing year. Check for adequate regeneration within 5 years of harvest completion.</p> <p><u>Proposed Start Date:</u> 10/01/2014</p>										
10	11056010-Cut	107.5	4119 - Mixed Northern Hardwoods	High Density Log	99	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2014</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	11056015-Cut	81.4	4199 - Other Mixed Upland Deciduous	High Density Log	92	111-140	Harvest	Clearcut with Reserves	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees except white pine and hemlock. Also, harvest all oak unless marked with paint (only leave tree mark oak over 18" DBH). Reduce										
<u>Specs:</u> BA of Large oak down to 10 BA or 100-200 feet apart. This is to encourage oak to seed in and stump sprouting.										
<u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Snowmobile										
<u>Comments:</u> trail will possibly be affected by the harvest of this stand, see cutting specs.										
<u>Next</u> Possible ground scarification on a good mast producing year. Check for adequate regeneration within 5 years of harvest completion or ground										
<u>Steps:</u> scarification.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
20	11056020-Cut	86.8	4119 - Mixed Northern Hardwoods	High Density Log	88	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar. Oak should be released on 3 sides to an										
<u>Specs:</u> 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".										
<u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species. Also, retain some large diameter aspen in clumps.										
<u>Comments:</u> Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
22	11056022-Cut	38.9	4119 - Mixed Northern Hardwoods	High Density Log	88	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar. Oak should be released on 3 sides to an										
<u>Specs:</u> 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".										
<u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species. Also, retain some large diameter aspen in clumps.										
<u>Comments:</u> Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
30	11056030-Cut	52.3	4119 - Mixed Northern Hardwoods	High Density Log	88	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar. Oak should be released on 3 sides to an										
<u>Specs:</u> 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".										
<u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species. Also, retain some large diameter aspen in clumps.										
<u>Comments:</u> Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs.										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	11056032-Cut	9.3	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	91		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription Specs:</u> Reserve: white pine, black cherry, yellow birch, cedar, hemlock and oak. Cut all other trees greater than 4.6" at DBH that meets product standards. <u>Other Comments:</u> 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. <u>Next Steps:</u> Check for adequate regeneration within 5 years of harvest completion. <u>Proposed Start Date:</u> 10/01/2014										
33	11056033-Cut	25.5	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	106	111-140	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<u>Prescription Specs:</u> Reserve: white pine, black cherry, yellow birch, cedar, hemlock and oak. Cut all other trees greater than 4.6" at DBH that meets product standards. <u>Other Comments:</u> 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. <u>Next Steps:</u> Check for adequate regeneration within 5 years of harvest completion. <u>Proposed Start Date:</u> 10/01/2014										
36	11056036-Cut	7.8	6115 - Lowland Ash	High Density Pole	67	81-110	Harvest	Clearcut	6115 - Lowland Ash	Cmpt. Review Proposal
<u>Prescription Specs:</u> Cut all ash. no retention. <u>Other Comments:</u> Snowmobile trail will possibly be affected by the harvest of this stand, see cutting specs. <u>Next Steps:</u> Check for adequate regeneration within 5 years of harvest completion. <u>Proposed Start Date:</u> 10/01/2014										

**Total Treatment  
Acreage Proposed: 694.2**



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

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment**  
**Acreage Proposed: 0**

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

Year of Entry: 2015



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

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: #Type!

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**Total Treatment  
Acreage Proposed: 0**

## Report 7 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment 056

Year of Entry 2015

### Availability for Management

Availability for Management			Dominant Site Conditions							
Total Acres	Acres Available	Acres Not Available								
			No	3L	3J	3A	2G	2F	1C	
51	51		<b>Aspen</b>	51						
170	9	161	<b>Lowland Conifers</b>	9		17	144			
8	8		<b>Lowland Deciduous</b>	8						
2		2	<b>Lowland Mixed Forest</b>		2					
9		9	<b>Lowland Spruce/Fir</b>			9				
320	320		<b>Mixed Upland Deciduous</b>	320						
1200	793	407	<b>Northern Hardwood</b>	793		24	217		21	146
64		64	<b>Oak</b>							64
15	3	12	<b>Upland Conifers</b>	3				12		
1,841	1,185	656	Total Forested Acres	1,185	2	50	361	12	21	209
	64%	36%	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
005	Not Available	3A: Potential old growth / biodiversity	217				
<b>Comments:</b> Type 2 Old Growth.							
006	Not Available	3A: Potential old growth / biodiversity	144	3J: Water quality / BMPs (stream, river, or lake)			
<b>Comments:</b> Type 2 Old Growth.							
007	Not Available	3J: Water quality / BMPs (stream, river, or lake)	9	5D: Unproductive Forest Land			
<b>Comments:</b>							

## Report 7 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment 056  
Year of Entry 2015

008	Not Available	3J: Water quality / BMPs (stream, river, or lake)	24		
<b>Comments:</b>					
009	Not Available	3J: Water quality / BMPs (stream, river, or lake)	17	2G: Too wet (sensitive soils, does not include access issues)	
<b>Comments:</b>					
010	Not Available	2G: Too wet (sensitive soils, does not include access issues)	17		
<b>Comments:</b> water					
011	Not Available	2F: Too steep	21		
<b>Comments:</b>					
012	Not Available	2G: Too wet (sensitive soils, does not include access issues)	8		
<b>Comments:</b>					
014	Not Available	1C: Other dept or div proc/practices	129		
<b>Comments:</b>					

# Report 7 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment 056  
Year of Entry 2015

015	Not Available	1C: Other dept or div proc/practices	17
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Comments:

016	Not Available	2G: Too wet (sensitive soils, does not include access issues)	4
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Comments:

018	Not Available	1C: Other dept or div proc/practices	50
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Comments:

019	Not Available	1C: Other dept or div proc/practices	14
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Comments:

020	Not Available	3L: Other wildlife concerns	2
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Comments:

WLD will not permit stand to be harvested.



**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
Misery River Comments	Habitat Areas or Corridors	Habitat Corridor	SCA	
Sleepy Creek Comments	Habitat Areas or Corridors	Habitat Corridor	SCA	
Twin Lakes Comments	Type 1 or Type 2 Old Growth	Verified Type 2 Old Growth Area	SCA	



## 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	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.

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## Baraga Mgt. Unit

## Report 10 – Forested Stands

Compartment: 056  
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4119 - Mixed Northern Hardwoods	High Density Log	166.7	Uneven Age	81-110	Butch creek, cut completed in 2000
42390 - Mixed Non-Pine Upland Conifers	High Density Pole	7.9	114		wet
4112 - Maple, Beech, Cherry Association	High Density Log	165.8	Uneven Age	111-140	Steep Slopes Acceler Acer cut in 1995
4119 - Mixed Northern Hardwoods	High Density Pole	41.1	Uneven Age	51-80	Tick Oak, cut in 2005.
4115 - Y.Birch, Hemlock NH	High Density Pole	20.6	Uneven Age	81-110	RMZ, very steep and rugged
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	13.0	Uneven Age	111-140	
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	16.7	48		RMZ
4123 - Red Oak	High Density Log	49.6	88	81-110	
4119 - Mixed Northern Hardwoods	High Density Log	107.5	Uneven Age	81-110	
4131 - Aspen, Oak	High Density Pole	39.7	38		
4112 - Maple, Beech, Cherry Association	High Density Pole	78.2	Uneven Age	51-80	
4112 - Maple, Beech, Cherry Association	High Density Pole	38.9	Uneven Age	51-80	Iso Guuru cut in 1974 & 2005, Lots of Die back
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	144.3	Uneven Age	81-110	Drainage, RMZ
4199 - Other Mixed Upland Deciduous	High Density Log	282.1	Uneven Age	111-140	
4123 - Red Oak	High Density Log	14.3	Uneven Age	81-110	Tick Oak Cut in 2005
4116 - Mixed N. Hardwood - Aspen	High Density Pole	24.0	Uneven Age	81-110	m5-cut out aspen and elm in 1978 RMZ
4112 - Maple, Beech, Cherry Association	High Density Pole	40.9	Uneven Age	51-80	full of wet drains, M5
4115 - Y.Birch, Hemlock NH	High Density Log	217.0	Uneven Age	111-140	Recommend for sca. Type II old Growth. RMZ.

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## Baraga Mgt. Unit

## Report 10 – Forested Stands

Compartment: 056  
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4119 - Mixed Northern Hardwoods	High Density Log	86.8	Uneven Age	81-110	Maloney sale, Small areas of aspen should be set up as a clearcut.
4110 - Sugar Maple Association	High Density Log	49.0	Uneven Age	81-110	Iso Guuru, cut in 2005.
4119 - Mixed Northern Hardwoods	High Density Log	38.9	Uneven Age	81-110	
4110 - Sugar Maple Association	High Density Log	16.7	Uneven Age	81-110	Iso Guuru, cut in 2005
4112 - Maple, Beech, Cherry Association	High Density Log	29.1	Uneven Age	81-110	Auditor Hdwd, cut in 2004
4130 - Aspen	High Density Sapling	4.5	13		
4139 - Aspen, Mixed Deciduous	High Density Pole	7.0	38		
42390 - Mixed Non-Pine Upland Conifers	High Density Pole	4.4	Uneven Age	81-110	Drainage, RMZ.
42390 - Mixed Non-Pine Upland Conifers	High Density Pole	3.1	Uneven Age	81-110	Trib. to Misery River. RMZ.
4119 - Mixed Northern Hardwoods	High Density Log	52.3	Uneven Age	81-110	Small pockets of aspen may neet to be Clear cut.
4112 - Maple, Beech, Cherry Association	High Density Log	26.9	Uneven Age	51-80	Auditor Hdwd. cut in 2004
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.3	91		
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	25.5	106	111-140	
6122 - Black Spruce	Low Density Pole	9.0	106		wet
6139 - Mixed Lowland Forest	High Density Pole	2.3	106		
6115 - Lowland Ash	High Density Pole	7.8	67	81-110	

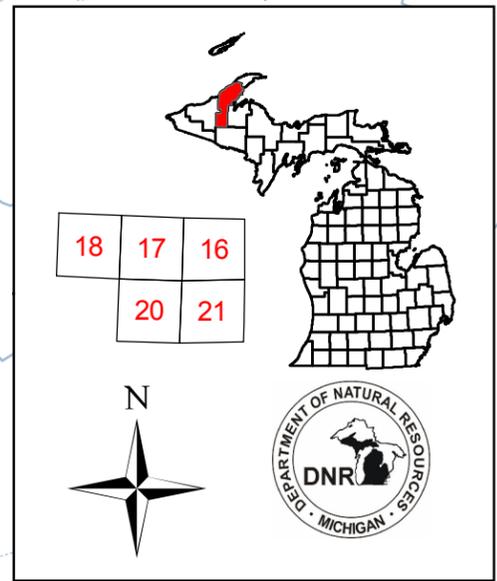


Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
8	50 - Water	17.2	No	Unspecified	
26	3102 - Grass	8.8	No	Unspecified	power line

# Cover Type & Treatment Map

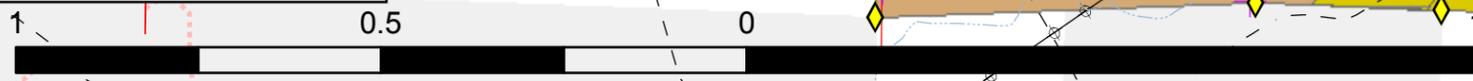
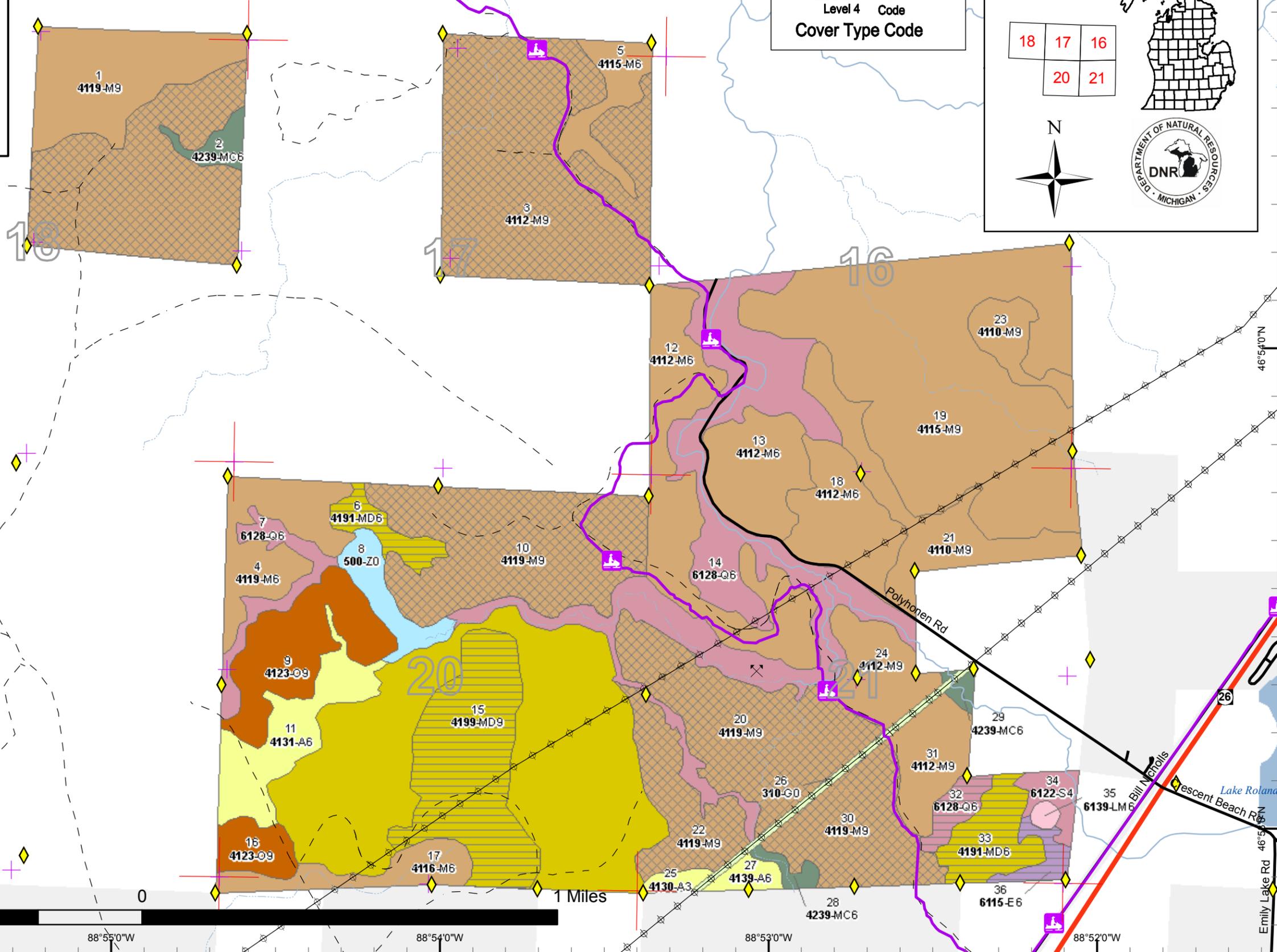
Compartment: 056  
 T52N R36W  
 07 08 15 16 17 18 19 20 21 22 28 29 30  
 County: Houghton  
 Unit: Baraga  
 YOE: 2015  
 Acres: 1,867 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 05/22/2013  
 Map Phase: Pre-Review

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



## Legend

- DNR Survey Corners
  - Miris Corners
  - Wyandot Mine
  - Snowmobile Trails
  - Snowmobile Trail
  - Highway
  - Paved Roads
  - Gravel Roads
  - Poor Dirt Roads
  - Trail (Non-Recreation)
  - 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
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 310 - Herbaceous Openland
  - 500 - Water



88°56'0"W 88°55'0"W 88°54'0"W 88°53'0"W 88°52'0"W

# Stand Boundary Map

Compartment: 056  
 T52N R36W  
 07 08 15 16 17 18 19 20 21 22 28 29 30  
 County: Houghton  
 Unit: Baraga  
 YOE: 2015  
 Acres: 1,867 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 05/22/2013  
 Map Phase: Pre-Review

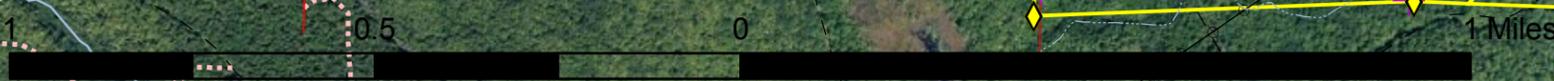
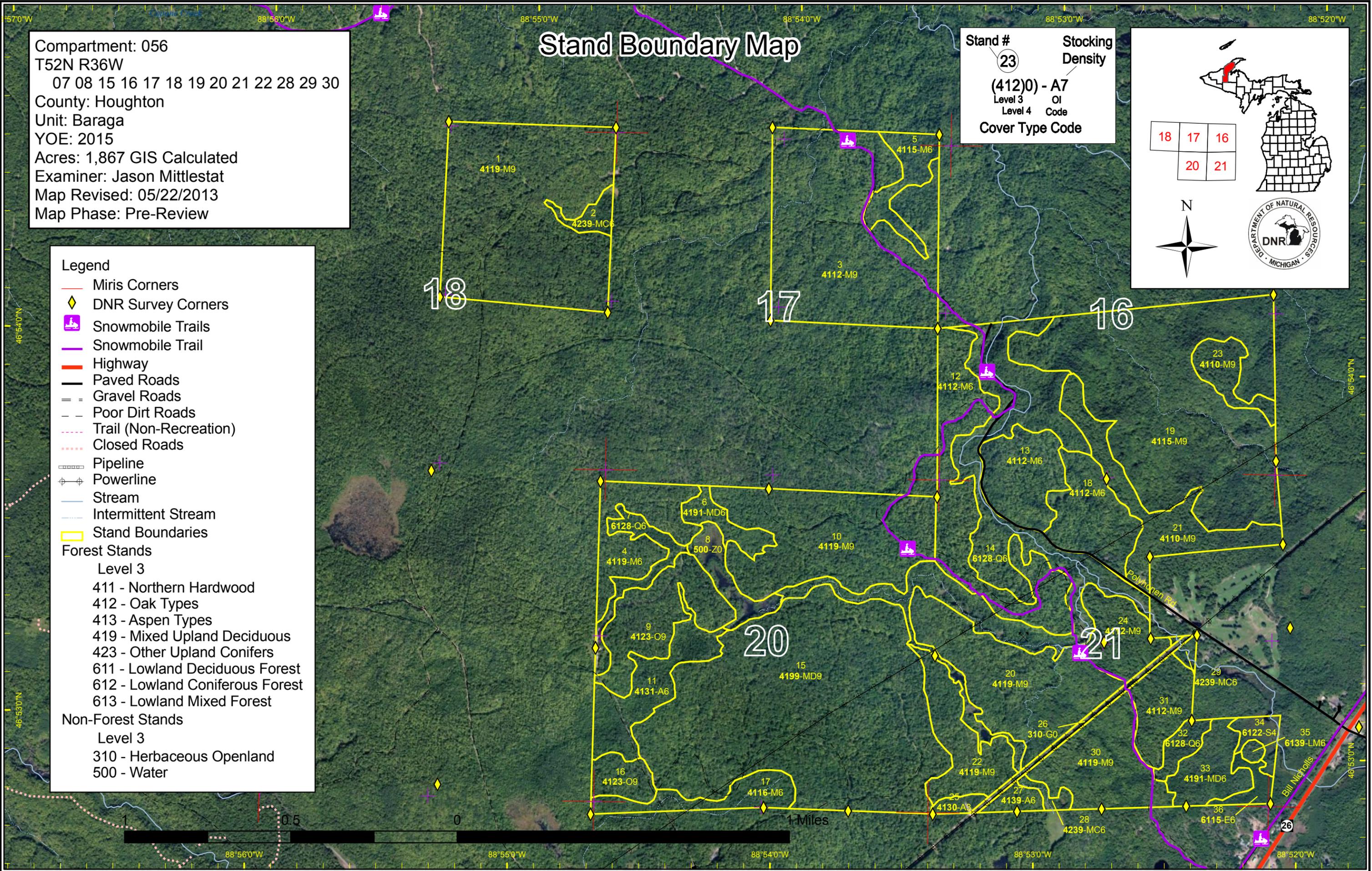
Stand # **23**  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

18	17	16
20	21	

N

## Legend

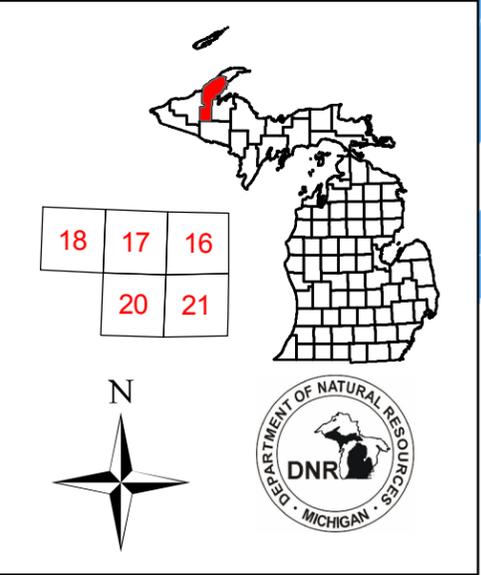
- Miris Corners
  - DNR Survey Corners
  - Snowmobile Trails
  - Snowmobile Trail
  - Highway
  - Paved Roads
  - Gravel Roads
  - Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Pipeline
  - Powerline
  - Stream
  - Intermittent Stream
  - Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 310 - Herbaceous Openland
  - 500 - Water



# Special Conservation Areas & Site Conditions Map

Compartment: 056  
 T52N R36W  
 07 08 15 16 17 18 19 20 21 22 28 29 30  
 County: Houghton  
 Unit: Baraga  
 YOE: 2015  
 Acres: 1,867 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 05/22/2013  
 Map Phase: Pre-Review

Stand # **23**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 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
  - High Priority Trout Stream Buffer
  - Forest Stands**
  - Level 3
  - 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
  - Non-Forest Stands**
  - Level 3
  - 310 - Herbaceous Openland
  - 500 - Water

