



**Baraga Forest Management Unit
Compartment Review Presentation
Compartment #7 Entry Year: 2013
Compartment Acreage: 1,831 County: Baraga**

Revision Date: 7/13/2011

Stand Examiner: Fred Hansen

Legal Description: T50N, R34W, Sections 28, 32 and 34.

Identified Planning Goals ('Management Area' or 'RMU' # if applicable): Menge Creek

Management Goals: To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs.

Soil and Topography: This compartment grades off the north end of the Baraga Plains and becomes generally more hilly and steep to the north. Soils are Munising Loamy Sand, Rousseau-Ocqueoc Association and Keweenaw-Kalkaska Complex

Ownership Patterns, Development, and Land Use in and Around the Compartment: The majority of the adjacent private ownership is forest industry. There are small private parcels west of Section 32.

Unique, Natural Features: None identified.

Archeological, Historical, and Cultural Features: None identified.

Special Management Designations or Considerations: None identified.

Watershed and Fisheries Considerations: Anderson and Engman Lakes are in this compartment. There are no identified watershed concerns.

Wildlife Habitat Considerations: This compartment encompasses a unique topographic change from sandy draughty soils in the south to heavier clay soils and steep terrain closer to Keewenaw bay in the north, accordingly the wildlife habitats vary as do the management emphasis. The southernmost portion of this compartment is an extension of the Baraga Plains where jack pine and xeric conifer management predominates. It then transitions to northern hardwoods/aspens/oak/birch complex which further moves into a mesic conifer complex dominated by hemlock and northern hardwoods types. Menge Creek traverses this compartment and the majority of the acreage is within the historic and currently identified Menge Creek deer yarding complex. This complex is critically important to wintering deer from Baraga, Houghton and possibly Eastern Ontonagon County. Deer in this high snow fall zone are obligate migrators and the thermal cover provided by hemlock stands is essential to overwinter survival. Wildlife management and silvicultural prescriptions here are intended to maintain 70% or greater crown closure within hemlock stands, promote expansion of hemlock inclusions and increase crown closure accordingly, increase landscape connectivity, increase species and structural diversity, and promote hardwood regeneration within the forest matrix for

both sustainable timber production and hardwood browse for wintering deer. Significant oak component and stands are also found here and prescriptions to promote hard mast production are encouraged. The intention is to rehabilitate historical forest openings (old homesteads) through a combination of mechanical treatments (i.e. hydro mowing encroaching woody vegetation), and plantings through partnerships with local conservation groups to promote will upland wildlife foraging habitat. Compartment 4 is within the Menge Creek Management Area and featured species include game species such as deer, black bear, American marten and important habitat condition indicator nongame species such as Black Burnian warblers.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till to the north and to the south an end moraine of coarse textured till. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme Formation subcrops below the glacial drift. There is not a current economic use for the Michigamme. The nearest gravel pit is located three miles to the east. Gravel potential appears to be good. Section 28 was previously leased for metallic exploration in the past. There is no economic oil and gas production in the UP.

Vehicle Access: Baraga Plains Road and Menge Creek Road both cross the compartment. There are numerous logging roads throughout the compartment.

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

Recreational Facilities and Opportunities: Approximately 4 miles of ORV trail wind through this compartment. The Menge Creek Road and Baraga Plains Road are part of a groomed snowmobile trail system. This compartment provides some excellent opportunities for hunters of both small and large game. These opportunities are readily available due to numerous road providing access

Fire Protection: This is not a fire prone area.

Additional Compartment Information:

Stand 2 was listed as SC-8 in OI. It is being kept as a unique area for habitat management for winter deer yard. The proposed management will benefit the long term covertime.

➤ **The following reports from the Inventory are attached:**

- ◆ **Total Acres by Cover Type and Age Class**
- ◆ **Proposed Treatment Summary**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**
- ◆ **Stand Details (Forested and Nonforested)**
- ◆ **Dedicated and Proposed Special Conservation Areas**

➤ **The following information is displayed, where pertinent, on the attached compartment maps:**

- ◆ **Base feature information, stand boundaries, cover types, and numbers**
- ◆ **Proposed treatments**

◆ **Details on the road access system**

Table 1 – Total Acres by Cover Type and Age Class



	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	0	0	107	0	25	12	0	0	0	0	0	0	0	0	0	144
Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Hemlock	0	0	0	0	0	0	0	35	0	10	8	0	0	0	36	88
Herbaceous Openland	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Low-Density Trees	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	19
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	136	100	0	21	7	0	0	47	164	14	83	0	0	504	1075
Natural Mixed Pines	0	0	0	0	0	1	0	0	0	14	0	0	0	0	0	15
Northern Hardwood	0	10	0	0	0	0	0	0	0	0	26	0	0	0	291	328
Oak	0	0	0	0	0	0	0	0	0	37	0	35	0	0	0	71
Paper Birch	0	0	0	0	8	0	0	14	0	0	0	0	0	0	0	23
Upland Conifers	0	0	0	0	0	0	0	48	0	0	0	0	0	0	14	62
Upland Spruce/Fir	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	74	147	207	0	54	27	0	97	70	224	48	118	0	0	845	1910



Table 2 – Proposed Treatment Summaries

Baraga Mgt. Unit
Year of Entry 2013

Compartment 007
Total Compartment Acres: 1910

Acres by Treatment Type

Commercial Harvest - 644	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 11	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Mixed Upland Deciduous	206	190	0	0	0	0	0	395
Natural Mixed Pines	1	0	0	0	0	0	0	1
Northern Hardwood	0	204	0	0	0	0	0	204
Oak	0	37	0	0	0	0	0	37
Upland Spruce/Fir	0	0	0	0	6	0	0	6
Total	207	431	0	0	6	0	0	644

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1 11007001-Cut	8.3	4119 - Mixed Northern Hardwoods	High Density Pole	99	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal - Incomplete

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

Specs:

Other Comments: Wildlife: M6 - Thin. Standard hardwood specs plus: Leave all oak. Avoid damage in hemlock patches and inclusions by avoid harvesting within inclusions. Mechanically harvest with tracked equipment in non snow season to get scarification. Leave some yellow birch within hemlock inclusions. Attempt to group select around hemlock inclusions (one tree length) to create canopy regeneration gaps targeting light seeded species, primarily hemlock. Plan gap harvest to bridge between hemlock inclusions

Next Steps:

2 11007002-Cut	111.6	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	99	Harvest	Single Tree Selection	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal - Incomplete
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Prescription Mark to promote long lived conifers while maintaining thermal cover for deer in this yarding area. Mark to promote long lived conifers while maintaining thermal cover for deer in this yarding area. Acres will be significantly reduced due to treatment type and operability. This treatment is to enhance the SCA value of the stand.

Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. No conifers under 4.6" DBH are to be harvested.

Other Comments: Acres will be reduced because of steep slopes. Mark only in the bottoms of the valleys and the hillsides that can easily be reached from the bottoms. Stay away from the areas with heavy hemlock regeneration.

Next Steps:

5 11007005-Cut	55.0	4199 - Other Mixed Upland Deciduous	High Density Pole	84	Harvest	Clearcut with Reserves	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal - Incomplete
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Prescription Cut all species down to 4.6 inches DBH except Oak. Also reserve Cedar, White Pine, Red Pine and Hemlock if present.

Specs:

Other Comments:

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

13 11007013-Cut	77.9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	99	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal - Incomplete
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Prescription Thin hardwoods to 85 BA. Favor oak, white pine and hemlock. Oak should be released on 3 sides to an average BA of 60. Where 30 BA or more of hemlock occurs, thin to no less than 100 BA. Retain all snags that do not pose a safety hazard. For further assistance refer to The Complete Marker.

Other Comments: Wildlife: M6 - Thin. Standard hardwood specs plus: Leave all oak. Avoid damage in hemlock patches and inclusions by avoid harvesting within inclusions. Mechanically harvest with tracked equipment in non snow season to get scarification. Leave some yellow birch within hemlock inclusions. Attempt to group select around hemlock inclusions (one tree length) to create canopy regeneration gaps targeting light seeded species, primarily hemlock. Plan gap harvest to bridge between hemlock inclusions

Next Steps:



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
20	11007020-Cut	62.2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	85	Harvest	Clearcut with Reserves	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal - Incomplete

Prescription Cut all species down to 4.6 inches DBH except Oak, Cedar, White Pine, Red Pine and Hemlock if present.

Specs:

Other

Comments:

Next Check regeneration within 4 years of harvest completion.

Steps:

28	11007028-Cut	13.5	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	97	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal - Incomplete
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Prescription Cut all species down to 4.6 inches DBH except Oak, Cedar, White Pine, Red Pine and Hemlock if present. Mark White pine where operability is needed.

Specs:

Other

Comments: Wildlife: W9 B6 - treat/thin. Retain 70% conifer crown closure. This may result in minimal pine harvest. Favor White pine and long lived conifers. Leave all oak.

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

Steps:

37	11007037-Cut	67.9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	89	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal - Incomplete
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Prescription Cut all species down to 4.6 inches DBH except Oak, Cedar, White Pine, Red Pine and Hemlock if present.

Specs:

Other

Comments: Wildlife: A6 - Final harvest. With reserves leave cedar/ pine / hemlock, oak and one stick spruce /fir (under 4 inch).

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

Steps:

40	11007040-Cut	16.2	4115 - Y.Birch, Hemlock NH	High Density Pole	99	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal - Incomplete
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Prescription Thin hardwoods to 70-90 BA. Favor oak, white pine and hemlock. Oak should be released on 3 sides to an average BA of 60. Where 30 BA or more of hemlock occurs, thin to no less than 100 BA. Retain all snags that do not pose a safety hazard. For further assistance refer to The Complete Marker.

Specs:

Other

Comments:

Next

Steps:

44	11007044-Cut	31.4	4112 - Maple, Beech, Cherry Association	High Density Pole	99	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal - Incomplete
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Prescription Thin hardwoods to 70-90 BA. Favor oak, white pine and hemlock. Oak should be released on 3 sides to an average BA of 60. Where 30 BA or more of hemlock occurs, thin to no less than 100 BA. Retain all snags that do not pose a safety hazard. For further assistance refer to The Complete Marker.

Specs:

Other

Comments: Wildlife: M6 - Standard hardwood specs plus: Leave all oak. Avoid damage in hemlock patches and inclusions by avoid harvesting within inclusions. Mechanically harvest with tracked equipment in non snow season to get scarification. Leave some yellow birch within hemlock inclusions. Attempt to group select around hemlock inclusions (one tree length) to create canopy regeneration gaps targeting light seeded species, primarily hemlock. Plan gap harvest to bridge between hemlock inclusions.

Next

Steps:

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54 11007054-Cut	143.7	4115 - Y.Birch, Hemlock NH	High Density Pole	99	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal - Incomplete

Prescription Thin hardwoods to 70-90 BA. Favor oak, white pine and hemlock. Oak should be released on 3 sides to an average BA of 60. Where 30 BA or more of hemlock occurs, thin to no less than 100 BA. Retain all snags that do not pose a safety hazard. For further assistance refer to The Complete Marker. The ORV trail will need to be protected during harvest.

Other Comments: Wildlife: M6 - Standard hardwood specs plus: Leave all oak. Avoid damage in hemlock patches and inclusions by avoid harvesting within inclusions. Mechanically harvest with tracked equipment in non snow season to get scarification. Leave some yellow birch within hemlock inclusions. Attempt to group select around hemlock inclusions (one tree length) to create canopy regeneration gaps targeting light seeded species, primarily hemlock. Plan gap harvest to bridge between hemlock inclusions.

Next Steps:

59 11007059-Cut	1.7	4112 - Maple, Beech, Cherry Association	High Density Pole	99	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal - Incomplete
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Prescription Thin hardwoods to 70-90 BA. Favor oak, white pine and hemlock. Oak should be released on 3 sides to an average BA of 60. Where 30 BA or more of hemlock occurs, thin to no less than 100 BA. Retain all snags that do not pose a safety hazard. For further assistance refer to The Complete Marker. Cut with adj. CMPT 10 in 2011.

Other Comments:

Next Steps:

60 11007060-Cut	36.8	4123 - Red Oak	High Density Pole	89	Harvest	Group Selection	4123 - Red Oak	Cmpt. Review Proposal - Incomplete
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Prescription Reduce BA to 90 by using group selection to promote growth of intermediate canopy trees. This is not to promote oak regeneration at this time.
Specs: No harvest March 31-July 15th due to oak wilt.

Other Comments: Wildlife: Oak- light thinning. Target harvest BA for oak is 80 to 90 with another residual BA of approximately 10 of mixed other species (i.e. yellow birch, pine, maple). DNR mark selecting for retaining large productive crowns (mast producing) and mid story future crop crowns. This is an intermediate cutting to increase 2nd crop crowns before a future regeneration gap cut in 10+ years.

Next Steps:

65 11007065-Cut	5.5	42320 - Upland Spruce	High Density Pole	48	Harvest	Systematic Thinning	42310 - Planted Spruce	Cmpt. Review Proposal - Incomplete
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Prescription Reserve White pine and all fruit bearing trees and shrubs. Remove (mark) every 3rd row of spruce.
Specs:

Other Comments: Wildlife: spruce plantation - thinning harvest, retain all planted apples and avoid damaging thorn apples.

Next Steps:

66 11007066-Cut	3.2	4119 - Mixed Northern Hardwoods	High Density Pole	99	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal - Incomplete
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Prescription Thin hardwoods to 70-90 BA. Favor oak, white pine and hemlock. Oak should be released on 3 sides to an average BA of 60. Where 30 BA or more of hemlock occurs, thin to no less than 100 BA. Retain all snags that do not pose a safety hazard. For further assistance refer to The Complete Marker. Cut with adj. cmpt in 2011

Other Comments: Wildlife: M6- treat standard hardwood specs but hold all long lived conifers (hemlock, WP, cedar). Residual target BA 80

Next Steps:



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
68	11007068-Cut	1.0	42310 - Planted Spruce	High Density Pole	48	Harvest	Systematic Thinning	42310 - Planted Spruce	Cmpt. Review Proposal - Incomplete

Prescription Remove (mark) every 3rd row of spruce.

Specs:

Other Wildlife: 68 spruce plantation - thinning harvest, retain all planted apples and avoid damaging thorn apples.

Comments:

Next

Steps:

70	11007070-Cut	0.9	42290 - Natural Mixed Pine	High Density Pole	48	Harvest	Clearcut	42130 - Planted Scotch Pine	Cmpt. Review Proposal - Incomplete
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Prescription Remove all trees down to 1 inch dbh

Specs:

Other Wildlife: Scotch Pine - final harvest, have contractor remove stumps, FTP to mechanically treat (spot hydro mow) as WLD opening with Grass

Comments: stands 67 and 69.

Next

Steps:

30	11007030- NonFor	20.8	4191 - Mixed Upland Deciduous with Conifer	Low Density Pole	30	Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal - Incomplete
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Prescription Wildlife: Grass/non forested - area has somewhat grown in but good small openings till exist through out. FTP to mechanically spot treat with hydro mower to remove woody encroachment and maintain partial open land condition, possible plant a few persistent fruiting apples with adequate protection via local sportsmen's club participation. Mechanically spot treat up to 50% of stand.

Specs:

Other

Comments:

Next

Steps: We recommend that stand gets mowed every 5-10 years to maintain opening.

62	NF_11007062- NonFor	8.4	Non-Forested		0	Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal - Incomplete
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Prescription Wildlife:69 grass- mechanically spot treat with hydro mower to remove woody encroachment and maintain open land condition, reserve

Specs: possibility to plant to grass/grains mix and annually mow/maintain, possible plant a few persistent fruiting apples with adequate protection via local sportsmen's club participation

Other

Comments:

Next

Steps:

67	NF_11007067- NonFor	2.3	Non-Forested		0	Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal - Incomplete
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Prescription 69 grass- mechanically spot treat with hydro mower to remove woody encroachment and maintain open land condition, reserve possibility to

Specs: plant to grass/grains mix and annually mow/maintain, possible plant a few persistent fruiting apples with adequate protection via local sportsmen's club participation

Other

Comments:

Next

Steps:

**Total Treatment
Acreage Proposed: 668.2**

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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
69	11007069-Cut	7.2	4191 - Mixed Upland Deciduous with Conifer	Low Density Pole	48	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal - Incomplete

Prescription Remove all trees down to 1 inch dbh. Reserve White pine, Oak and all fruit bearing trees and shrubs.

Specs:

Other Comment: Wildlife: grass- mechanically spot treat with hydro mower to remove woody encroachment and maintain open land condition, reserve possibility to plant to grass/grains mix and annually mow/maintain, possible plant a few persistent fruiting apples with adequate protection via local sportsmen's club participation

Next Steps: We recommend that stand gets mowed every 5-10 years to maintain opening.

Limiting Factor and No. Treatment Reason 1A: Federal law or policy

Total Treatment Acreage Proposed: 7.2

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

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Baraga Mgt. Unit

5 – Forested Stands

Compartment: 007
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4119 - Mixed Northern Hardwoods	High Density Pole	8.3	Uneven Age	111-140	Heavy deer browse
2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	111.6	Uneven Age	141-170	
3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.7	Uneven Age	111-140	
4	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.0	Uneven Age	111-140	steep
5	4199 - Other Mixed Upland Deciduous	High Density Pole	55.0	84	81-110	steep slopes
6	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	64.0	16		Heavy deer browse
7	4116 - Mixed N. Hardwood - Aspen	High Density Pole	10.4	5		heavy deer browse
8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	17.3	89	81-110	
9	4193 - Birch, Aspen	High Density Pole	14.4	68	81-110	
11	4139 - Aspen, Mixed Deciduous	High Density Pole	24.7	37		
12	42350 - Upland Hemlock	High Density Pole	6.2	Uneven Age	141-170	
13	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	77.9	Uneven Age	111-140	last cut in 1993
14	4312 - Hemlock, Mixed Deciduous	High Density Pole	34.6	68	1-50	
15	4111 - S.Maple, Hard Mast Association	High Density Pole	8.3	99	81-110	
17	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	5.0	8		
18	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	67.3	7		
20	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	62.2	Uneven Age	81-110	
21	4199 - Other Mixed Upland Deciduous	High Density Pole	47.2	76	51-80	

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Baraga Mgt. Unit

5 – Forested Stands

Compartment: 007
Year of Entry: 2013

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4193 - Birch, Aspen	High Density Pole	8.3	38		
4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	36.0	14		
429 - Mixed Upland Conifers	High Density Pole	48.0	68	81-110	
4312 - Hemlock, Mixed Deciduous	High Density Pole	7.4	87	81-110	
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	13.5	97	111-140	
4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	59.8	7		
4191 - Mixed Upland Deciduous with Conifer	Low Density Pole	20.8	30	1-50	
4312 - Hemlock, Mixed Deciduous	High Density Pole	2.5	87	81-110	
42290 - Natural Mixed Pine	High Density Log	13.8	89	81-110	deer browse
4115 - Y.Birch, Hemlock NH	High Density Pole	74.8	Uneven Age	81-110	
4199 - Other Mixed Upland Deciduous	High Density Pole	23.3	85	81-110	
4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	54.9	100	1-50	
6129 - Mixed Coniferous Lowland Forest	High Density Pole	3.7	73	51-80	
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	67.9	89	81-110	
4312 - Hemlock, Mixed Deciduous	High Density Pole	24.1	Uneven Age	141-170	
42350 - Upland Hemlock	High Density Pole	5.3	Uneven Age	141-170	
4115 - Y.Birch, Hemlock NH	High Density Pole	16.2	99	111-140	
4199 - Other Mixed Upland Deciduous	High Density Sapling	4.1	8		

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Baraga Mgt. Unit

5 – Forested Stands

Compartment: 007
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	4119 - Mixed Northern Hardwoods	High Density Pole	15.5	Uneven Age	111-140	
43	4123 - Red Oak	High Density Pole	34.5	100	51-80	
44	4112 - Maple, Beech, Cherry Association	High Density Pole	31.4	Uneven Age	111-140	
45	4112 - Maple, Beech, Cherry Association	High Density Pole	14.5	Uneven Age	81-110	Merge mix cut in 2003
47	6122 - Black Spruce	High Density Pole	14.5	73	111-140	
48	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	14.4	Uneven Age	141-170	
51	6122 - Black Spruce	High Density Sapling	4.4	73	51-80	
54	4115 - Y.Birch, Hemlock NH	High Density Pole	143.7	Uneven Age	141-170	
55	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	238.2	Uneven Age	111-140	
56	4139 - Aspen, Mixed Deciduous	High Density Pole	12.1	40	51-80	
57	4133 - Aspen, Mixed Pine	High Density Sapling	107.5	17	51-80	BA is pine and oak the rest is saplings.
58	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	28.4	100	51-80	
59	4112 - Maple, Beech, Cherry Association	High Density Pole	1.7	99	111-140	
60	4123 - Red Oak	High Density Pole	36.8	89	111-140	
61	42350 - Upland Hemlock	High Density Log	8.2	99	141-170	
65	42320 - Upland Spruce	High Density Pole	5.5	48	81-110	row thinning
66	4119 - Mixed Northern Hardwoods	High Density Pole	3.2	Uneven Age	81-110	
68	42310 - Planted Spruce	High Density Pole	1.0	48	111-140	

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Baraga Mgt. Unit

5 – Forested Stands

Compartment: 007
Year of Entry: 2013



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
69	4191 - Mixed Upland Deciduous with Conifer	Low Density Pole	7.2	48	51-80	
70	42290 - Natural Mixed Pine	High Density Pole	0.9	48	81-110	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
10	6220 - Alder/willow	2.2	No	Unspecified	
16	623 - Emergent Wetland	1.6	No	Unspecified	
19	6225 - Bog	7.4	No	Unspecified	
24	330 - Low-Density Trees	2.9	N/A	Unspecified	
25	3102 - Grass	5.4	No	Unspecified	Gas line
46	50 - Water	3.6	No	Unspecified	Anderson Lake
49	3102 - Grass	15.7	No	Unspecified	Power line
50	50 - Water	1.2	No	Unspecified	
52	6220 - Alder/willow	4.4	No	Unspecified	
53	3102 - Grass	9.4	No	Unspecified	poere line
62	3303 - Mixed Low Density Trees	8.4	N/A	Unspecified	
63	50 - Water	3.0	No	Unspecified	Engman Lake
64	330 - Low-Density Trees	6.0	No	Unspecified	
67	3102 - Grass	2.3	Yes	Medium (NonForested)	



7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments
2	Unique Site - SCA	11007002	111.6	This stand is in a deer yard SCA. The stand will be treated in a way to enhance long lived conifers while maintaining thermal cover that is present.
2	Unique Site - SCA	11007002-SCA	111.6	This stand is to be moved from SC-8 (old growth) into a SCA for deer yard. Management is proposed for this are to promote the expansion of long lived conifers through harvest activities.



8 – 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

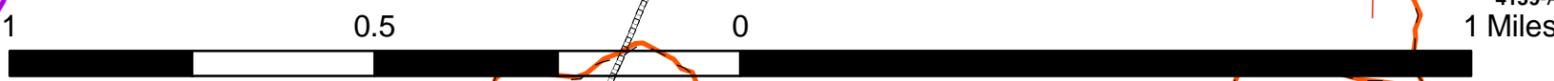
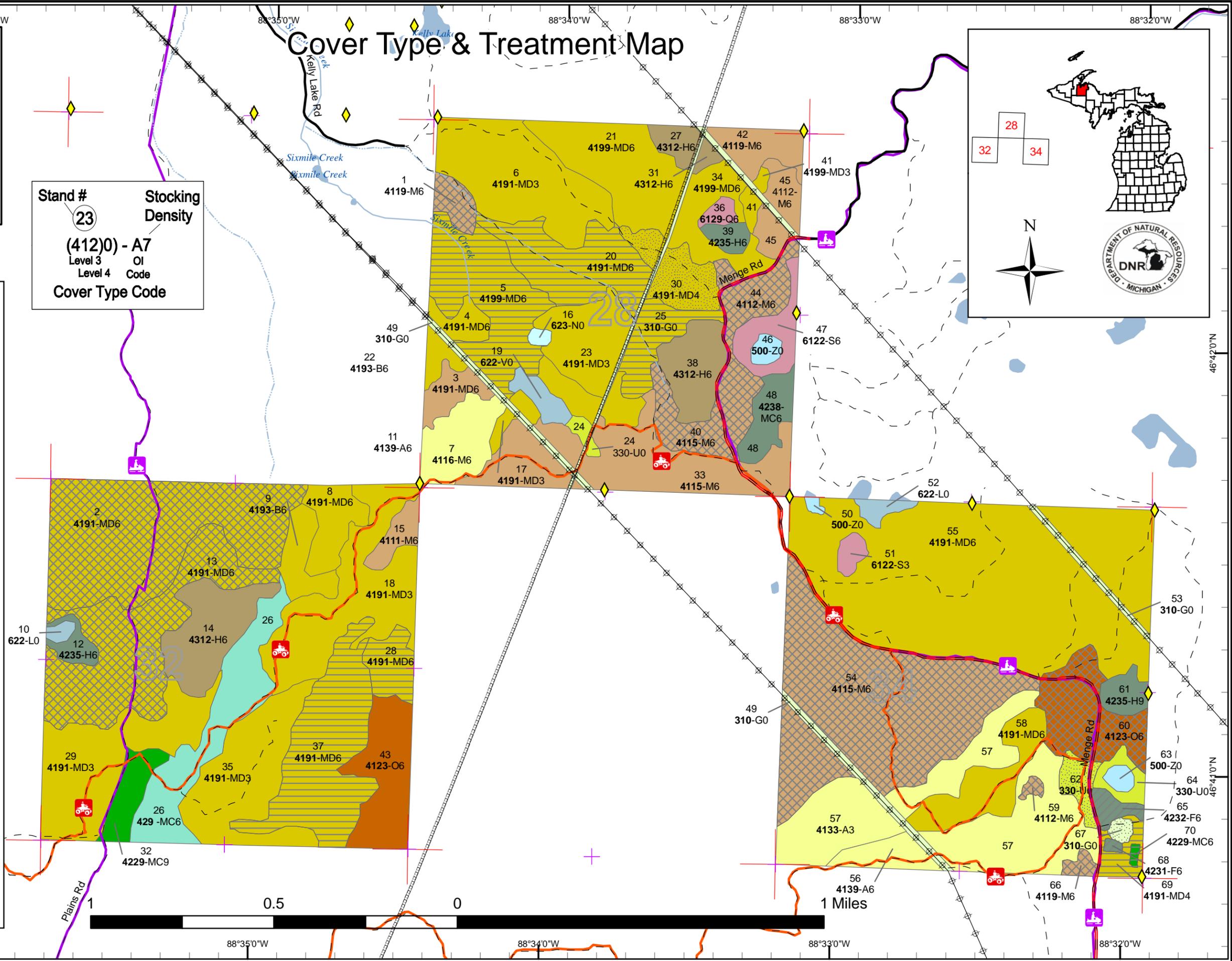
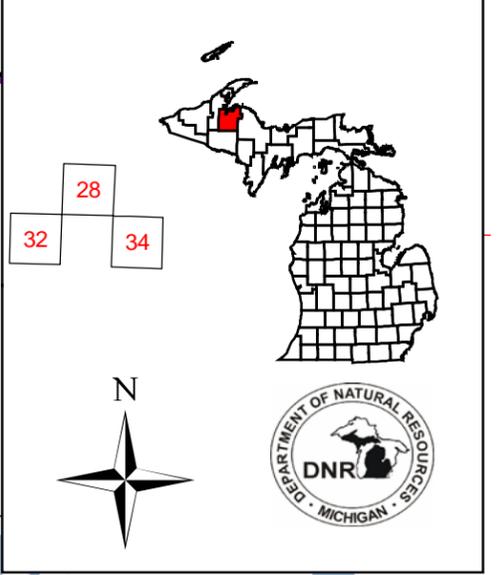
Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are 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.

Cover Type & Treatment Map

Compartment 7
 T37N, R01W, Sec. 22, 27, 34
 County: Baraga
 Unit: Baraga
 YOE: 2013
 Acres: 1,910 GIS Calculated
 Stand Examiner: Brad Carlson
 Map Revised: 4/25/2011
 Map Phase: Pre-Review

Stand #
 23
(4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

- Legend**
- GPS Survey Corner
 - Miris Corners
 - Remonumented Section Corners
 - Paved Roads
 - County Gravel Roads
 - Poor Dirt Roads
 - Trail Designation**
 - ORV Trail
 - Snowmobile Trail
 - ORV Trails
 - Snowmobile Trails
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - Treatments**
 - Clearcut (w/Reserves, Patch/Strip)
 - Thinning (Crown, Low, Systematic)
 - Selection (Group, Single Tree)
 - Mowing
 - Forest Stands**
 - Level 3**
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands**
 - Level 3**
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland

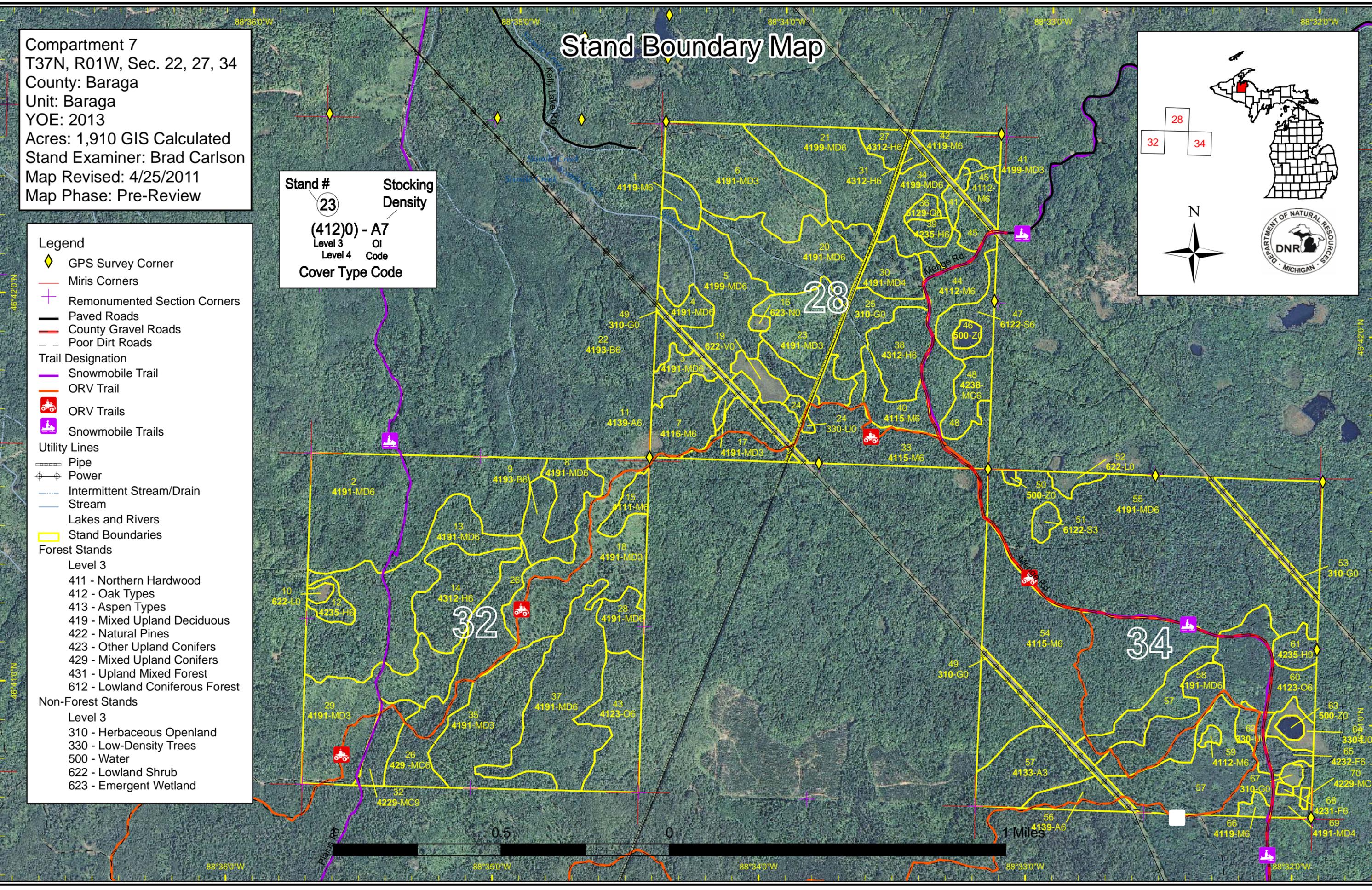
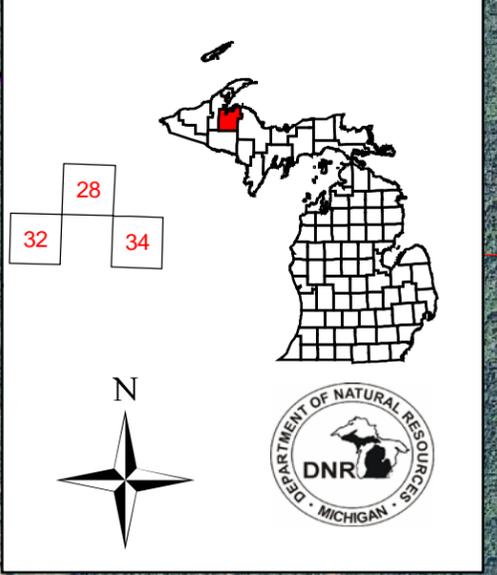


Compartment 7
 T37N, R01W, Sec. 22, 27, 34
 County: Baraga
 Unit: Baraga
 YOE: 2013
 Acres: 1,910 GIS Calculated
 Stand Examiner: Brad Carlson
 Map Revised: 4/25/2011
 Map Phase: Pre-Review

Stand Boundary Map

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

- Legend**
- GPS Survey Corner
 - Miris Corners
 - Remonumented Section Corners
 - Paved Roads
 - County Gravel Roads
 - Poor Dirt Roads
 - Trail Designation**
 - Snowmobile Trail
 - ORV Trail
 - ORV Trails
 - Snowmobile Trails
 - Utility Lines**
 - Pipe
 - Power
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - Stand Boundaries
 - Forest Stands**
 - Level 3**
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands**
 - Level 3**
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland



0.5 0 1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment 7
 T37N, R01W, Sec. 22, 27, 34
 County: Baraga
 Unit: Baraga
 YOE: 2013
 Acres: 1,910 GIS Calculated
 Stand Examiner: Brad Carlson
 Map Revised: 4/25/2011
 Map Phase: Pre-Review

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

- Legend**
- ◆ GPS Survey Corner
 - Miris Corners
 - ⊕ Remonumented Section Corners
 - ▭ Stand Boundaries
 - Proposed Special Conservation Areas
 - ▨ SCA - Special Conservation Area
 - ▩ SCA Removal
 - Dedicated Special Conservation Areas
 - Cold Water Streams
 - Deer Wintering Areas
 - Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands
 - Level 3
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland

