



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11041

Entry Year 2019

Acreage: 2,449

County Houghton

Management Area: Central Houghton

Revision Date: 2017-05-17

Stand Examiner: Jason Mittlestat

Legal Description:

Laird Township
T51N, R35W, Sections 2, 3, 10 and 11

Identified Planning Goals:

To maintain a healthy sustainable forest with special consideration to wildlife and fisheries habitat.

Soil and topography:

This area is level to rolling, with some steep banks along the drainages. Soils are: Assinis sand, Skanee fine sandy loam, Munising fine sandy loam, Yalmer sand, Allendale sand, Rudyard silt loam, Alcona loamy fine sand, Richter very fine sandy loam, Croswell sand, AuGres sand, Lupton and Cathro mucks, Munising loamy fine sand, Deerton sand, Gay muck, Nunica silt loam, Fence very fine sandy loam, Halfaday sand.

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

The adjoining lands are either state owned or small private landowners. Private lands are used for hunting and timber production.

Unique Natural Features:

MNFI indicates the potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, gray wolf and the potential for wood turtles along drainages.

Archeological, Historical, and Cultural Features:

There are known HAL concerns. These will not be impacted by management activities during this entry cycle.

Special Management Designations or Considerations:

BMP guidelines should be followed around the intermittent streams and tributaries to the West Branch Otter River.

Watershed and Fisheries Considerations:

The streams in this compartment are cold water trout streams. There is a concern about bank erosion and stream crossings.

Wildlife Habitat Considerations:

The Hazel Swamp GEM is located in this compartment, manage aspen stands to benefit ruffed grouse. See Hazel Swamp GEM management plan for detailed plans.

Mineral Resource and Development Concerns and/or Restrictions

Compartment 41: Sections 2, 3, 10, & 11, T51N R35W, Houghton County
No active sand/gravel pits are located in the area. Sand and gravel potential appears to be limited. Isolated subcroppings of a Paleozoic limestone occur to the southeast of the compartment and has been quarried in the past, but the outlier formation is not present beneath the compartment. There is no known potential for metallic minerals within the compartment and there has been no history of leasing. There is no known potential for economic oil and gas production in the UP.

Vehicle Access:

The main Otter River Road passes though the compartment north to south.

Survey Needs:

Recreational Facilities and Opportunities:

The Otter River Road is part of the Alston – Winona snowmobile trail. This is also part of the Bill Nichols to Baraga Plains ORV route.

Fire Protection:

This is not a fire prone area. It is comprised mainly of northern hardwoods and aspen forest types.

Additional Compartment Information:

The following reports from the Inventory are attached:

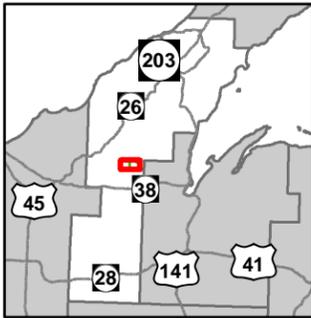
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

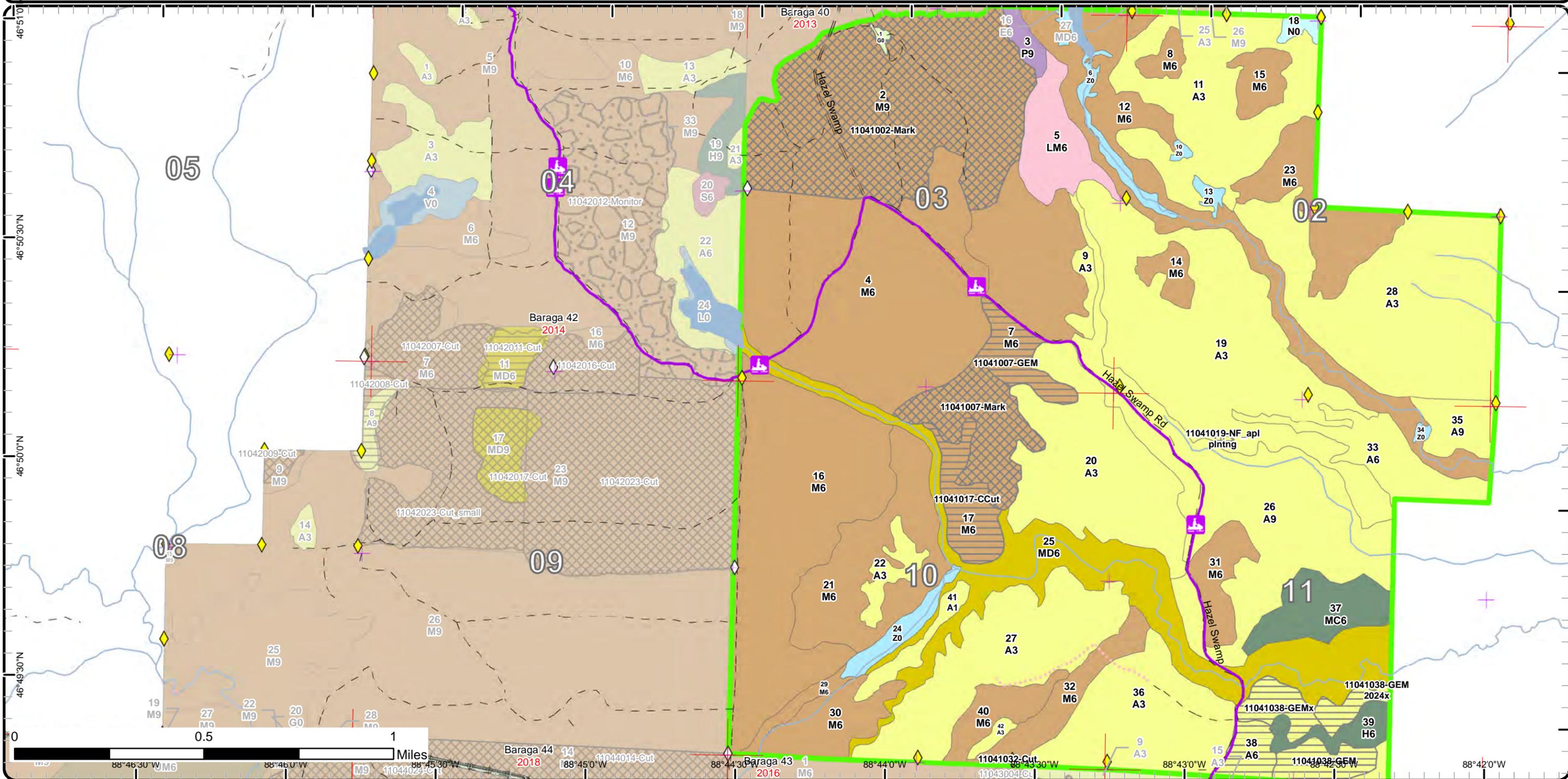
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 41
 T51N, R35W, Sec: 2, 3, 10, 11
 County: Houghton
 Unit: Baraga
 Mgmt Area: Central Houghton
 YOE: 2019
 Acres: 2245.2 GIS Calculated
 Examiner: Jason Mittlestat
 Map Revised: 9/12/2017
 Map Phase: Post Review



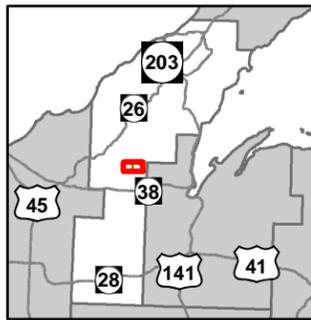
- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Counties
- Snowmobile Trails
- Designated Snowmobile Trails
- Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 623 - Emergent Wetland
- Lakes



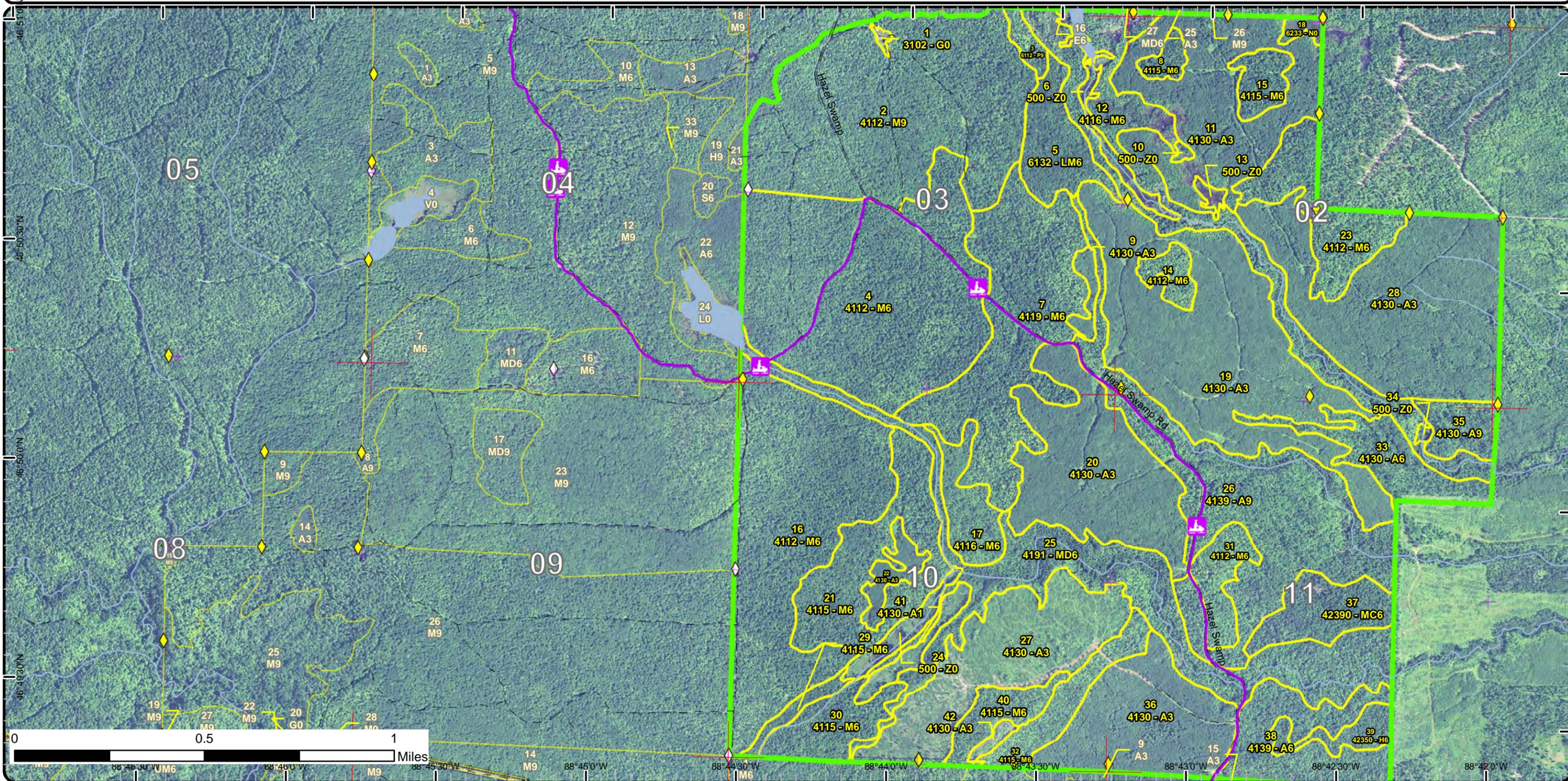
88°46'30"W 88°46'0"W 88°45'30"W 88°45'0"W 88°44'30"W 88°44'0"W 88°43'30"W 88°43'0"W 88°42'0"W

Stand Boundary Map

Compartment: 41
 T51N, R35W, Sec: 2, 3, 10, 11
 County: Houghton
 Unit: Baraga
 Mgmt Area: Central Houghton
 YOE: 2019
 Acres: 2245.2 GIS Calculated
 Examiner: Jason Mittlestat
 Map Revised: 9/12/2017
 Map Phase: Post Review

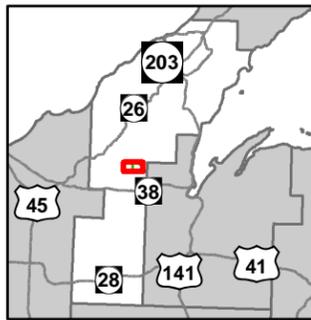


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Counties
- Snowmobile Trails
- Designated Snowmobile Trails
- Gravel Roads
- - - Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Compartment Boundary
- Stand Boundaries
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- 423 - Other Upland Conifers
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- 310 - Herbaceous Openland
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- 623 - Emergent Wetland

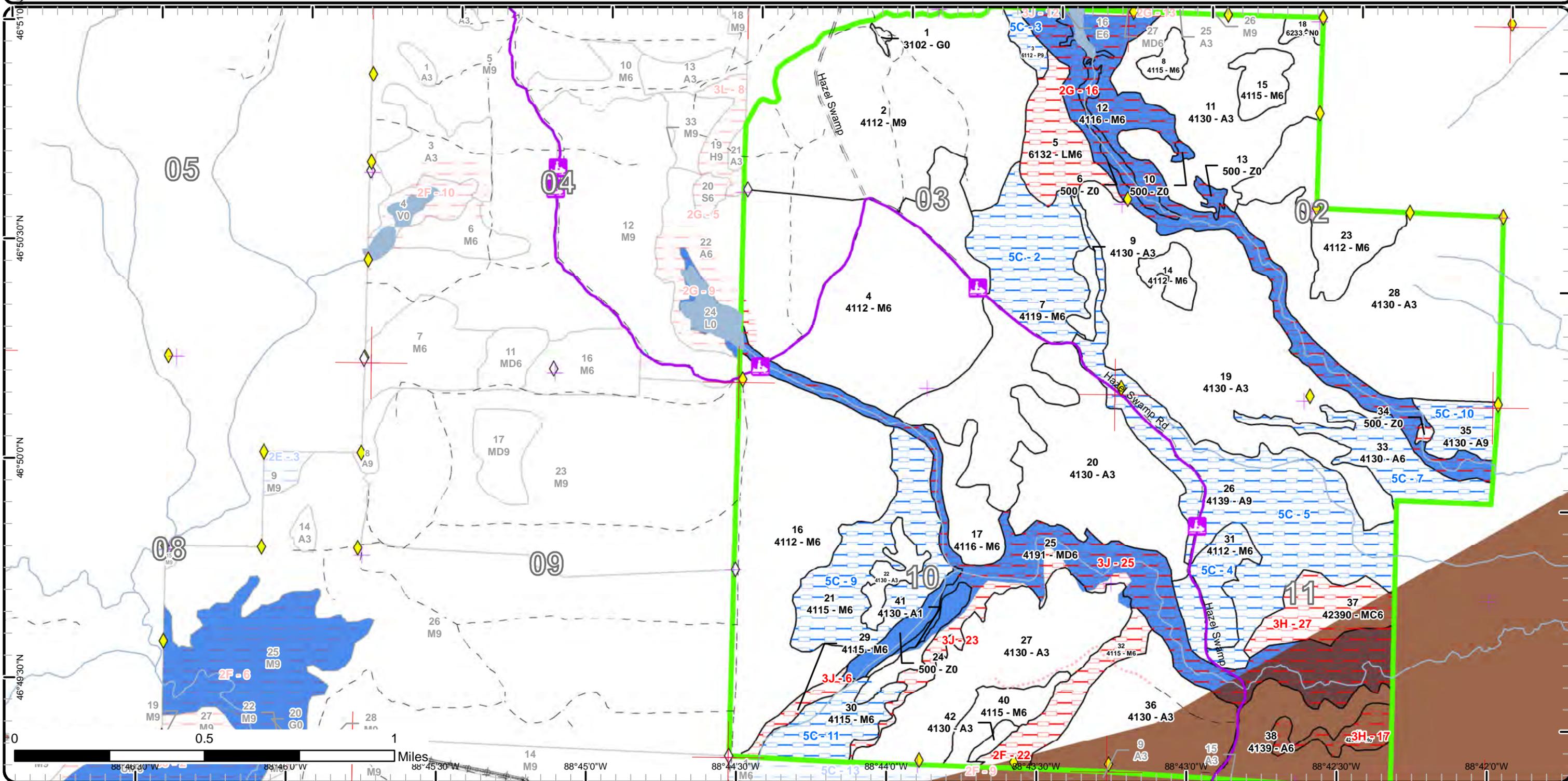


Special Conservation Areas & Site Conditions Map

Compartment: 41
 T51N, R35W, Sec: 2, 3, 10, 11
 County: Houghton
 Unit: Baraga
 Mgmt Area: Central Houghton
 YOE: 2019
 Acres: 2245.2 GIS Calculated
 Examiner: Jason Mittlestat
 Map Revised: 9/12/2017
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Counties
- Snowmobile Trails
- Designated Snowmobile Trails
- Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Boat Access Site



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	269	191	423	0	0	153	0	0	0	57	0	0	0	0	0	0	50	1143
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	32
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	144
Northern Hardwood	0	0	0	0	0	0	0	0	0	168	0	0	0	0	0	0	0	868	1036
Upland Conifers	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	31
Water	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Total	33	269	191	423	0	0	153	0	6	168	88	32	0	0	0	0	0	1075	2438



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 41

Total Compartment Acres: 2,449

Commercial Harvest - 326
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	47	0	0	0	0	0	0	0	0	47
Northern Hardwood	43	236	0	0	0	0	0	0	0	279
Total	90	236	0	0	0	0	0	0	0	326

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	326	0	0	0	0	0	0	1	0	327
Next Step	0	0	0	0	0	326	0	0	0	326
Total	326	0	0	0	0	326	0	1	0	653



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	11041002- Mark	193.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86	111- 140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven- Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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 less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

7	11041007- GEM	19.2	4119 - Mixed Northern Hardwoods	Poletimber Well	82	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Leave tree mark 1-2 yellow birch per acre for budding.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Aspen and mixed northern hardwoods.
Regen:

Other WLD has approved the start date of 10/1/2018. The GEM plan scheduled harvest is 2020.
Comment:

Proposed Start Date: 10/01/2018

7	11041007- Mark	41.9	4119 - Mixed Northern Hardwoods	Poletimber Well	82	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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 less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.
Regen:

Other The south treatment line may vary in position with stand 17.
Comment:

Proposed Start Date: 10/01/2018

17	11041017- CCut	23.7	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	82	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest all species down to 4.6 inches DBH except: red oak, cedar, hemlock and white pine.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.
Regen:

Other Stay on high bench along drainage to the west.
Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
19	11041019- NF_apl plntng	0.5	4130 - Aspen	Sapling Well	18	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription plant fruit trees and shrubs

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other hunter walking trail intersects opening

Comment:

Proposed Start Date: 10/01/2008

32	11041032-Cut	0.5	4115 - Y.Birch, Hemlock NH	Poletimber Well	86	51-80	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven- Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription 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

Specs: 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". Winter cut only for deer.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stands overstory.

Regen:

Other Leave 4" base of snow on the snowmobile trail and restrict hauling from monday to thursday during daylight hours.

Comment:

Proposed Start Date: 10/01/2015

38	11041038- GEM	15.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	94	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Leave tree mark 1-2

Specs: yellow birch per acre for budding. Retention will consist of the above mentioned.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other WLD has approved the start date of 10/1/2018. The GEM plan scheduled harvest is 2020.

Comment:

Proposed Start Date: 10/01/2018

38	11041038- GEM 2024	11.7	4139 - Aspen, Mixed Deciduous	Poletimber Well	94	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Leave tree mark 1-2

Specs: yellow birch per acre for budding. Retention will consist of the above mentioned.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2024



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
38	11041038- GEM 2024x	7.7	4139 - Aspen, Mixed Deciduous	Poletimber Well	94	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Leave tree mark 1-2
Specs: yellow birch per acre for budding. Retention will consist of the above mentioned.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2024

38	11041038- GEMx	12.6	4139 - Aspen, Mixed Deciduous	Poletimber Well	94	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Leave tree mark 1-2
Specs: yellow birch per acre for budding. Retention will consist of the above mentioned.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.
Regen:

Other WLD has approved the start date of 10/1/2018. The GEM plan scheduled harvest is 2020.
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 326.5**

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat : Examiner

Compartment: 41
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
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Dominant Site Conditions

5C 2F 2G 3H 3J

Total	Acres	Acres Avail	Acres	Dominant Site Conditions	5C	2F	2G	3H	3J
1142	795	255	92	Aspen	255	90	1		0
13	0	0	13	Hemlock				13	
1	1	0	0	Herbaceous Openland					
6	0	6	0	Lowland Aspen/Balsam Poplar	6		0		0
32	0	0	32	Lowland Mixed Forest			32		
4	4	0	0	Marsh					
144	0	0	144	Mixed Upland Deciduous		25			120
1036	722	175	139	Northern Hardwood	175	43	86		10
31	0	0	31	Upland Conifers				31	
27	11	0	17	Water			16		1
2,438	1,533	436	468	Total Forested Acres	436	158	135	44	131
	63%	18%	19%	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
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 41

Jason Mittlestat : Examiner

Year of Entry: 2019

4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	143	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 41

Jason Mittlestat : Examiner

Year of Entry: 2019

11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	135	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	13	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: WLD does not permit the harvest of stand with this species composition. (Hemlock, Cedar, White Pine)							
22	Unavailable	2F: Too steep	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	110	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit

Compartment: 41

Jason Mittlestat : Examiner

Year of Entry: 2019

27	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	31	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: WLD does not permit the harvest of stand with this species composition. (Hemlock, Cedar, White Pine)							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – 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
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Comments



Report 6 – 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.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
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	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	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 7 – Forested Stands

Compartment: 41
Year of Entry: 2019

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4112 - Maple, Beech, Cherry Association	Sawtimber Well	193.6	86	111-140	Peshky Hdwd 2000 trace of basswood and oak
6112 - Lowland Aspen	Sawtimber Well	6.4	71	81-110	Patches of blow down and beaver workings. Wet ground.
4112 - Maple, Beech, Cherry Association	Poletimber Well	202.3	88	81-110	Brinks Hdwd 11-014-09-01 trace of oak cherry aspen
6132 - Mixed Lowland Forest with Cedar	Poletimber Well	31.8	100	111-140	traceblack ash spruce oak
4119 - Mixed Northern Hardwoods	Poletimber Well	120.9	82	81-110	Fair weather Hdwd, cut 2000. Trace of cherry. The stand south of the road is part of the GEM. The part of the stand to the north of the road is in poor condition for hardwood. It had the aspen removed in 2000. Suggest to wait until 2029 or 2039 and take the top off and try to convert back to aspen.
4115 - Y.Birch, Hemlock NH	Poletimber Well	6.5	80	51-80	Field data from 2/2013 cut in the winter on 2012-12 as "Funke Hdwds"
4130 - Aspen	Sapling Well	6.2	18	Immature	eagle eye aspen cut 2000 trace of cedar hemlock oak ash
4130 - Aspen	Sapling Well	101.4	24	Unspecified	trace of birch hemlock white pine(XL) (Last visited 2007)
4116 - Mixed N. Hardwood - Aspen	Poletimber Well	90.4	81	51-80	aspen has been hit by beaver trace of hemlock white pine, cedar. steep slope down to creek. unmanagable. (last field visit 2007)
4112 - Maple, Beech, Cherry Association	Poletimber Well	9.9	80	81-110	Trace of ash aspen, hemlock, oak. Cut 2000, eagle eye aspen Look to treat possibly in 2029.
4115 - Y.Birch, Hemlock NH	Poletimber Well	13.5	90	81-110	cut in the winter on 2012-12 as "Funke Hdwds" (last field visit in 2013)
4112 - Maple, Beech, Cherry Association	Poletimber Well	164.1	90	81-110	trace of oak cherry and aspen Brinks Hdwd
4116 - Mixed N. Hardwood - Aspen	Poletimber Well	23.7	82	111-140	Manage for aspen.
4130 - Aspen	Sapling Well	173.1	18	Unspecified	Field data from 2/2007 Eagle eye aspen cut 2000 Trace of cedar, ash, hemlock and oak in the super canopy



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	4130 - Aspen	Sapling Well	99.0	27	Unspecified	Field data from 2007 trace of red maple, Last cut in 1991, Double culvert
21	4115 - Y.Birch, Hemlock NH	Poletimber Well	68.2	84	81-110	Fair weather HDWD cut in 2000 trace of cherry
22	4130 - Aspen	Sapling Well	11.5	18	Unspecified	Field data from 2007 Trace of spruce, cedar, Cut 2000 FairWeather Hdwd
23	4112 - Maple, Beech, Cherry Association	Poletimber Well	44.3	82	51-80	cut in the winter on 2012-12 as "Funke Hdwds"
25	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	144.4	84	141-170	Creek bottom, steep slopes.-Last field check winter 2007-
26	4139 - Aspen, Mixed Deciduous	Sawtimber Well	153.1	56	141-170	save for age class diversity. cut in 2027 The main part of the stand appeared to be operable ground.
27	4130 - Aspen	Sapling Well	90.7	4	Immature	Field data from 1/2016 trace of balsam hamlock and spruce
28	4130 - Aspen	Sapling Well	145.8	24	Unspecified	Field data from 3/2007 cut in 1994 Trace of paper birch , hemlock, and spruce
29	4115 - Y.Birch, Hemlock NH	Poletimber Well	7.1	103	141-170	Wet drainage trace of sugar maple and spruce (Last field check 2007)
30	4115 - Y.Birch, Hemlock NH	Poletimber Well	27.9	92	111-140	cut in 2001 with adj. cmptrace of basswood and pine
31	4112 - Maple, Beech, Cherry Association	Poletimber Well	19.8	79	111-140	(last field check in 2007)
32	4115 - Y.Birch, Hemlock NH	Poletimber Well	25.6	86	51-80	
33	4130 - Aspen	Poletimber Well	32.5	81	111-140	Deer yardTrace of y.birch, cerar, spruce, ash.Steep unmanagable slopes with overmature aspen.(last field check 2007)
35	4130 - Aspen	Sawtimber Well	17.4	86	111-140	Acquired lands, Steep slopes along creek same timber as stand 30 (last field visit 2007)

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Baraga Mgt. Unit

Report 7 – Forested Stands

Compartment: 41
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	4130 - Aspen	Sapling Well	77.0	26	Unspecified	Field data from 3/2007 Two bridge aspen cut in 1992 trace of paper birch and white pine
37	42390 - Mixed Non- Pine Upland Conifers	Poletimber Well	31.2	98	111-140	Deer yard area
38	4139 - Aspen, Mixed Deciduous	Poletimber Well	56.9	94	141-170	Deer yard. trace of sugar maple, balsam, spruce, and white pine.
39	42350 - Upland Hemlock	Poletimber Well	13.1	92	171-200	Deer yard. trace of y.birch, balsam, spruce, and aspen. Edge of the stand will be cut with GEM harvests.
40	4115 - Y.Birch, Hemlock NH	Poletimber Well	18.6	86	81-110	Field data from 1/2016
41	4130 - Aspen	Sapling Poor	10.6	3	Immature	Field data from 1/2016 trace of balsam hemlock and spruce
42	4130 - Aspen	Sapling Well	3.2	4	Immature	Field data from 1/2016 trace of balsam hemlock and spruce
43	4130 - Aspen	Sapling Medium	17.1	6	Immature	
44	413 - Aspen	Sapling Well	35.1	8	Immature	
46	413 - Aspen	Sapling Medium	31.5	4	Immature	
48	4130 - Aspen	Sapling Well	34.6	8	Immature	
51	413 - Aspen	Sapling Medium	45.8	4	Immature	



Stand	Cover Type	Acres	Managed Site	General Comments:
1	3102 - Grass	1.2	No	Sandstone gravel pit.
6	500 - Water	11.9	No	Field data from 3/2007
10	500 - Water	1.2	No	
13	500 - Water	2.6	No	Field data from 3/2007 lots of snags balsam regen around edge
18	6233 - Wet Meadow	3.9	No	Field data from 3/2007 beaver flooding with hut lots of snags
24	500 - Water	11.0	No	Field data from 3/2007 beaver flooding dead ash and maple snags
34	500 - Water	1.0	No	(last field check 2007)