



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11020

Entry Year 2018

Acreage: 3,993

County Baraga

Management Area: Covington/Ned Lake

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**Revision Date:** 2016-05-10

**Stand Examiner:** Jason Mittlestat

**Legal Description:**

Covinton Township  
T48N, R32W, Sections 9, 10, 15, and 16.  
Spurr Township  
T48N, R32W, Sections 21, 22, 27, 28, and 34.

**Identified Planning Goals:**

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

**Soil and topography:**

The upland is rolling to hilly with level swamps between ridges. Upland soils are champion cobbly silt loam, Net silt loam, amasa cobbly silt loam, and Amasa fine silt loam. Wetlands are Carbondale, Tacoosh and Witbeck mucks.

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

State land borders parts of the compartment to the west. Several small parcels of private ownership within and bordering compartment. Much of the land surrounding the compartment is owned by land management companies with primary goals of timber management.

**Unique Natural Features:**

Potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, and gray wolf. Potential for wood turtle along riparian corridors. Potential for spruce grouse and black-backed woodpecker. Potential for red-disked alpine, frigga fritillary, and freija fritillary.

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

None

**Special Management Designations or Considerations:**

BMP guidelines should be followed around the intermittent streams and the Tioga River.

**Watershed and Fisheries Considerations:**

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

**Wildlife Habitat Considerations:**

This compartment is in the heart of the western Upper Peninsula moose country due the spatial arrangement of lowlands and uplands and the provision of summer and winter thermal cover near aquatic feeding sites. The primary focus of wildlife habitat management in the management area will be to address the habitat requirements identified for the following featured species: American marten, black bear, gray jay, moose and northern goshawk.

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

Surface sediments consist of peat & muck and 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 these rocks. A gravel pit is located in Section 10 and there should be potential on the uplands. Abandoned iron mines are located six miles to the east. This Compartment has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

M-38 is a State Highway which passes along the north of compartment. The Nestoria road runs north and south to the east of compartment. Access to the most of the compartment is through a series of logging roads which are not all on state land. The roads are generally poor and stream crossings may need to be upgraded. From the west access is from the King Lake Road.

**Survey Needs:**

None identified at this time will be addressed as needed in the future.

**Recreational Facilities and Opportunities:**

Tioga river offer some excellent fishing opportunities. The large expanse of continuous forest offer great hunting opportunities for both large and small game.

**Fire Protection:**

This compartments mix of interspersed lower wet areas and higher hardwood stands, in most years this mix will hinder fire growth keeping fires in the area small, in dry years these low areas would hinder movement of equipment and complicate fire suppression efforts.

**Additional Compartment Information:**

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

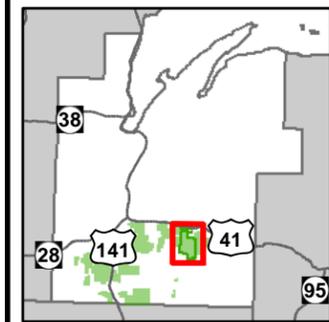
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

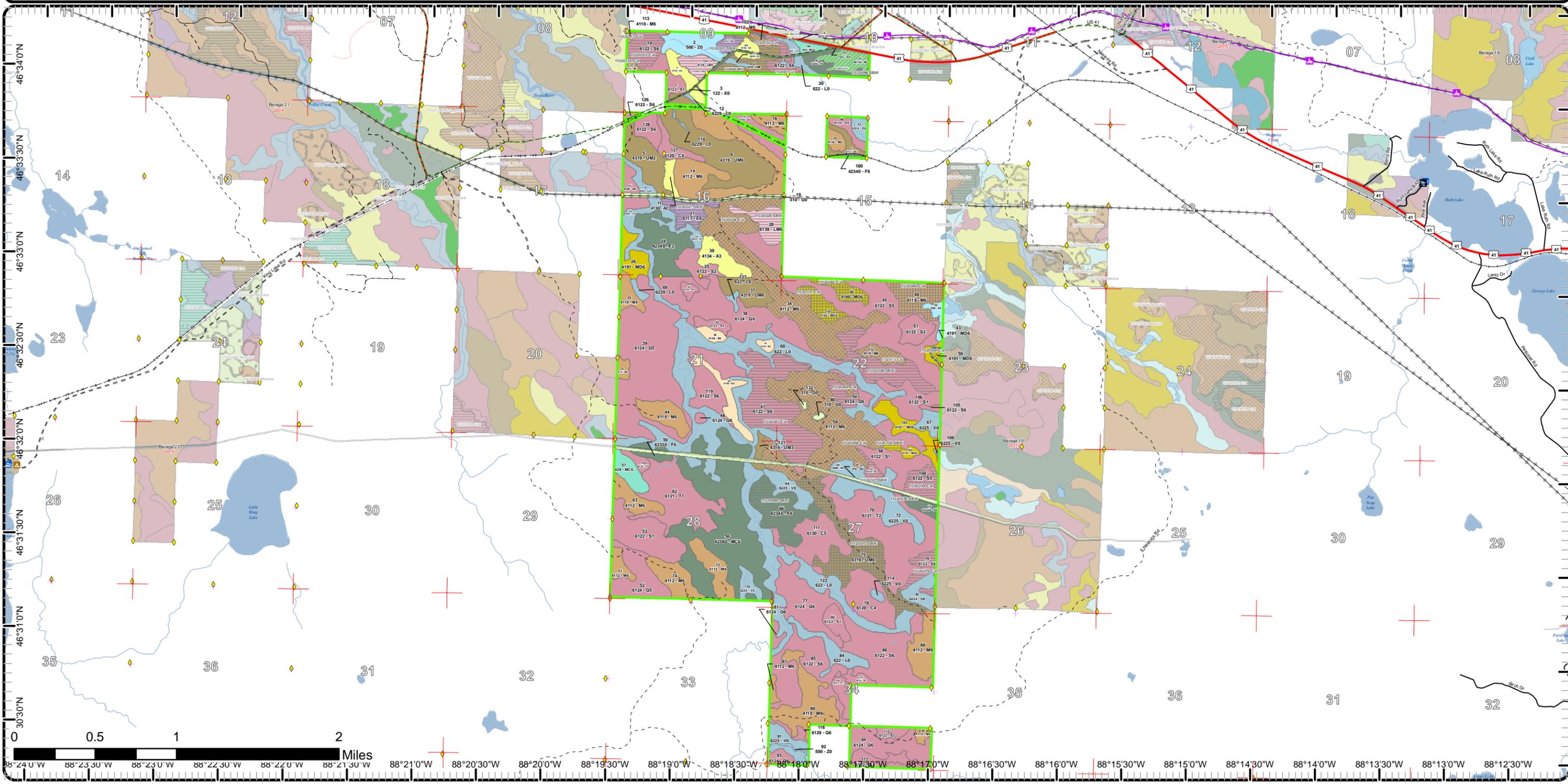
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 11020  
 T48N, R32W, Sec: 09, 10, 15, 16  
 21, 22, 27, 28, 34  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Covington/Ned Lake  
 YOE: 2018  
 Acres: 3993 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 5/12/2016  
 Map Phase: Review

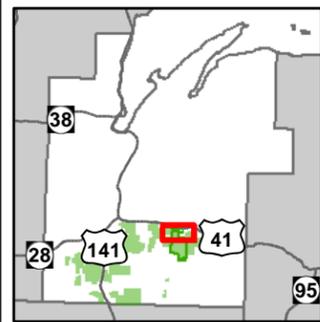


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Snowmobile Trails
- Designated Hiking Trails
- Designated Snowmobile Trails
- Highway
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Railroads
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Fores
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- Lakes

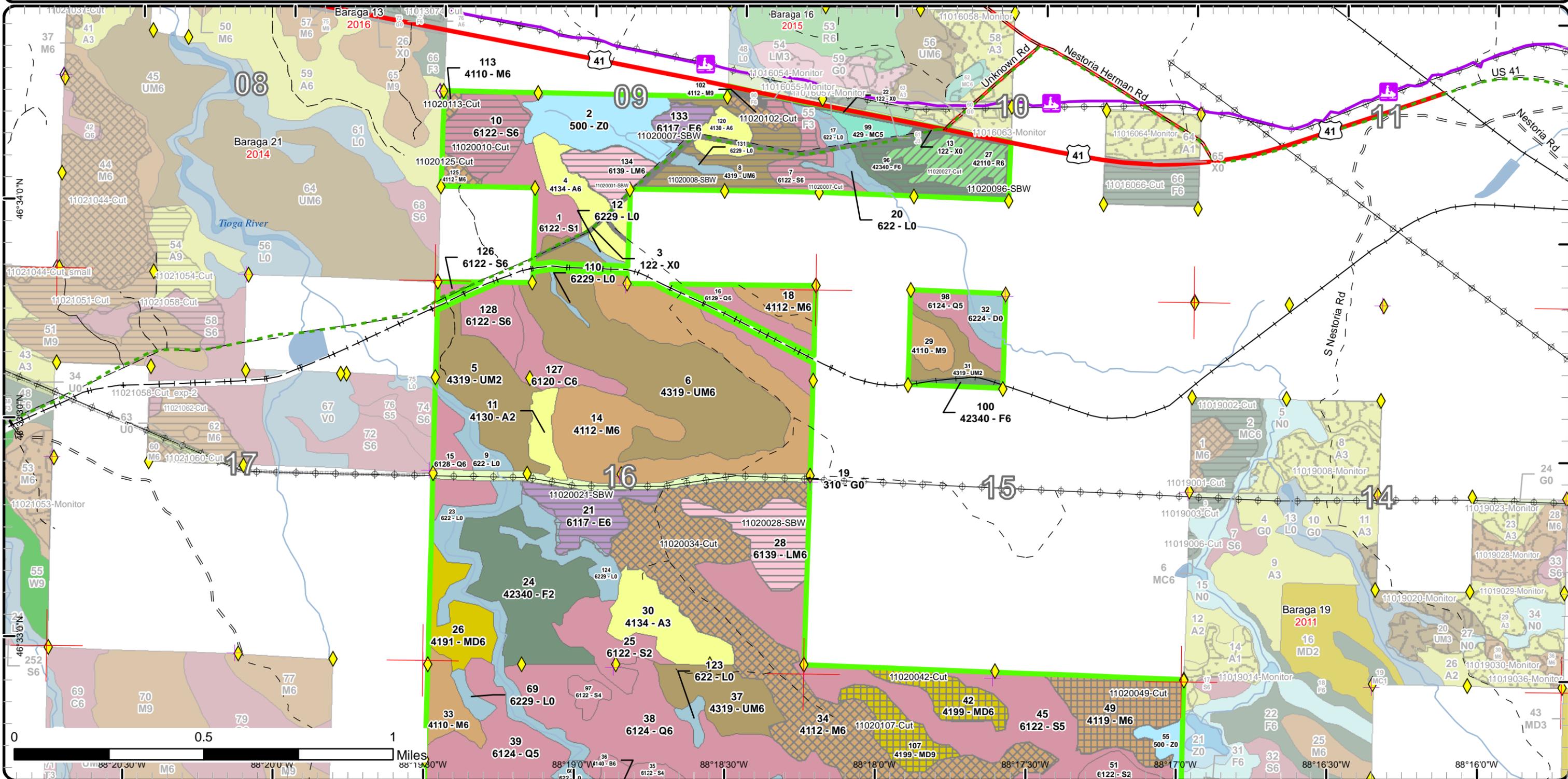


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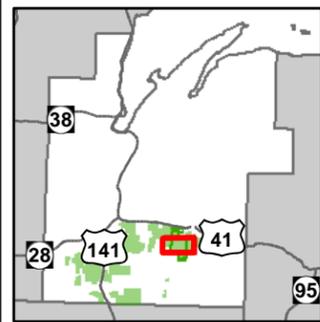
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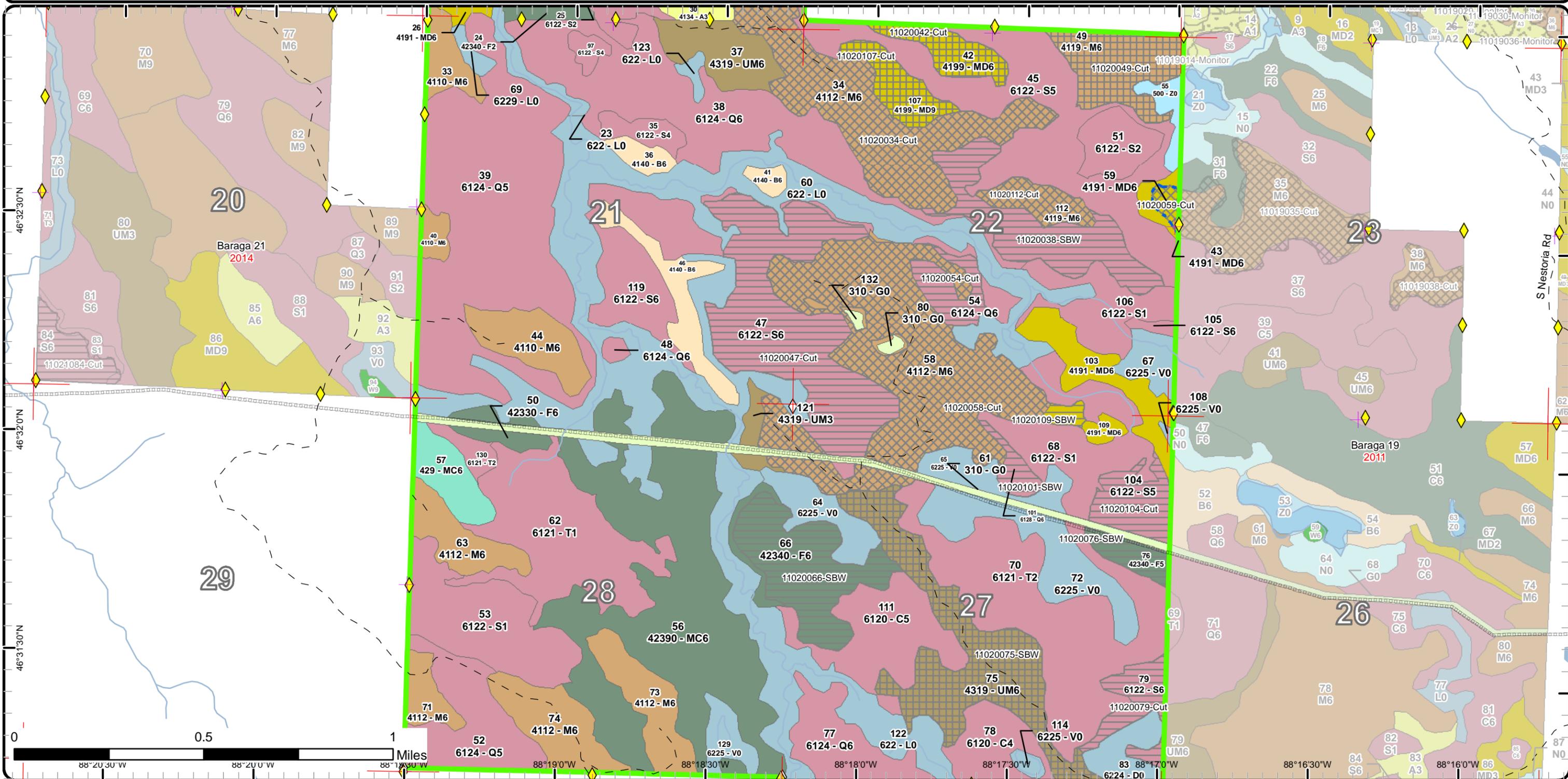
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# Cover Type & Treatments Map

Compartment: 11020  
 T48N, R32W, Sec: 09, 10, 15, 16  
 21, 22, 27, 28, 34  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Covington/Ned Lake  
 YOE: 2018  
 Acres: 3993 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 5/12/2016  
 Map Phase: Review

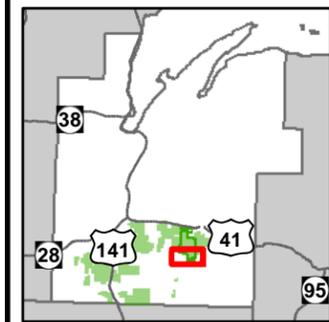


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Poor Dirt Roads
- Rivers
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Fores
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- Lakes

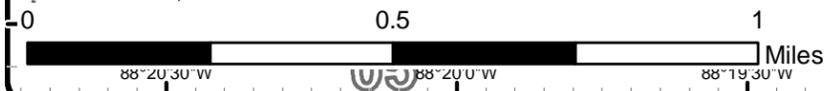
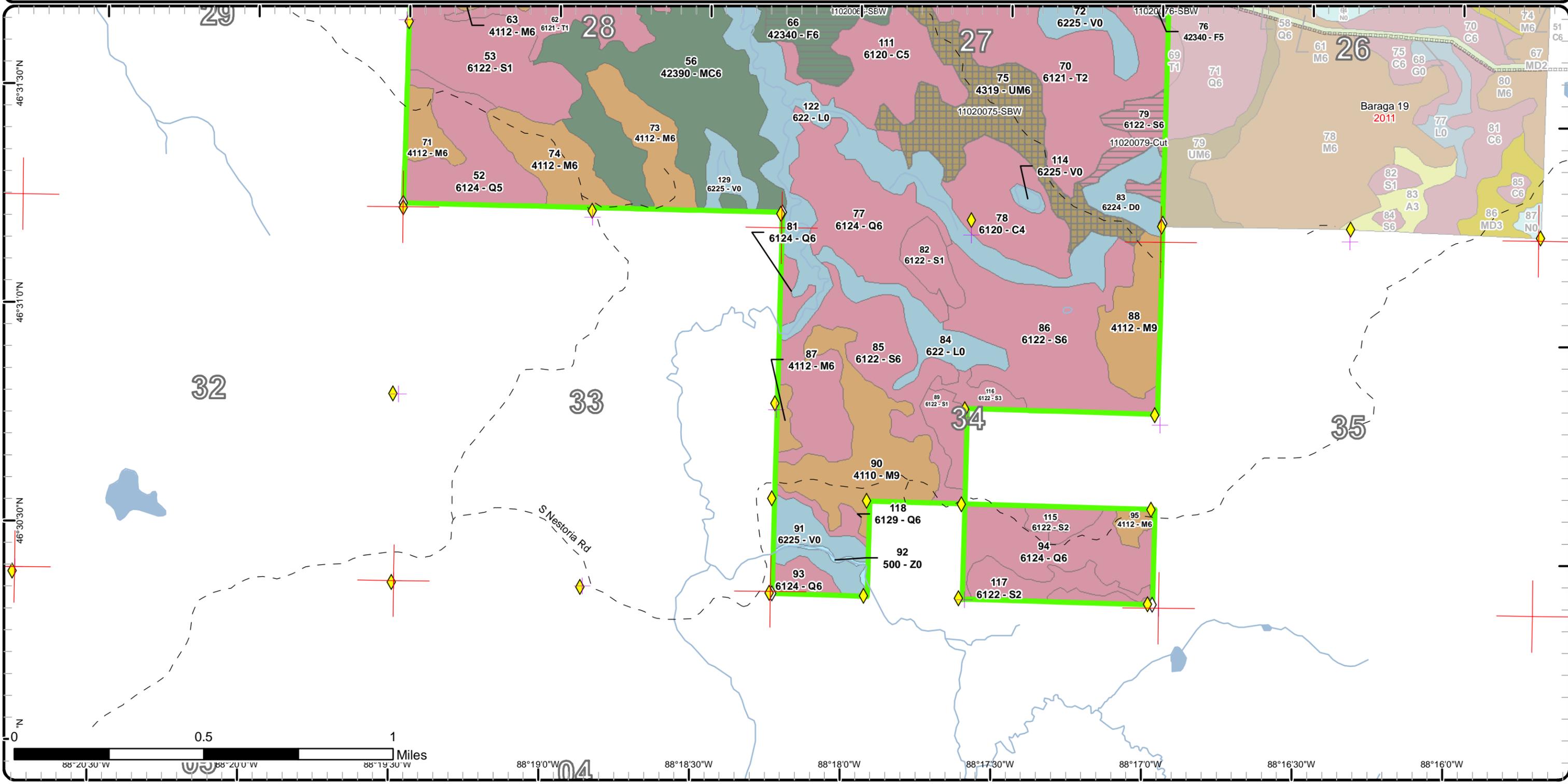


# Cover Type & Treatments Map

Compartment: 11020  
 T48N, R32W, Sec: 09, 10, 15, 16  
 21, 22, 27, 28, 34  
 County: Baraga  
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 Acres: 3993 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 5/12/2016  
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- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- - - Poor Dirt Roads
- Rivers
- Pipeline
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 423 - Other Upland Conifers
- 430 - Upland Mixed Fores
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub
- Lakes

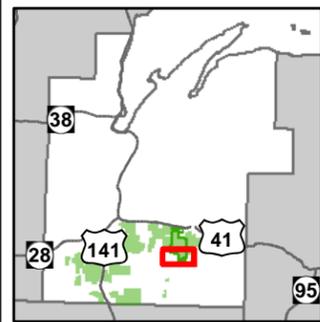




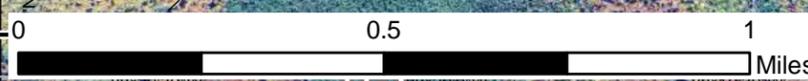
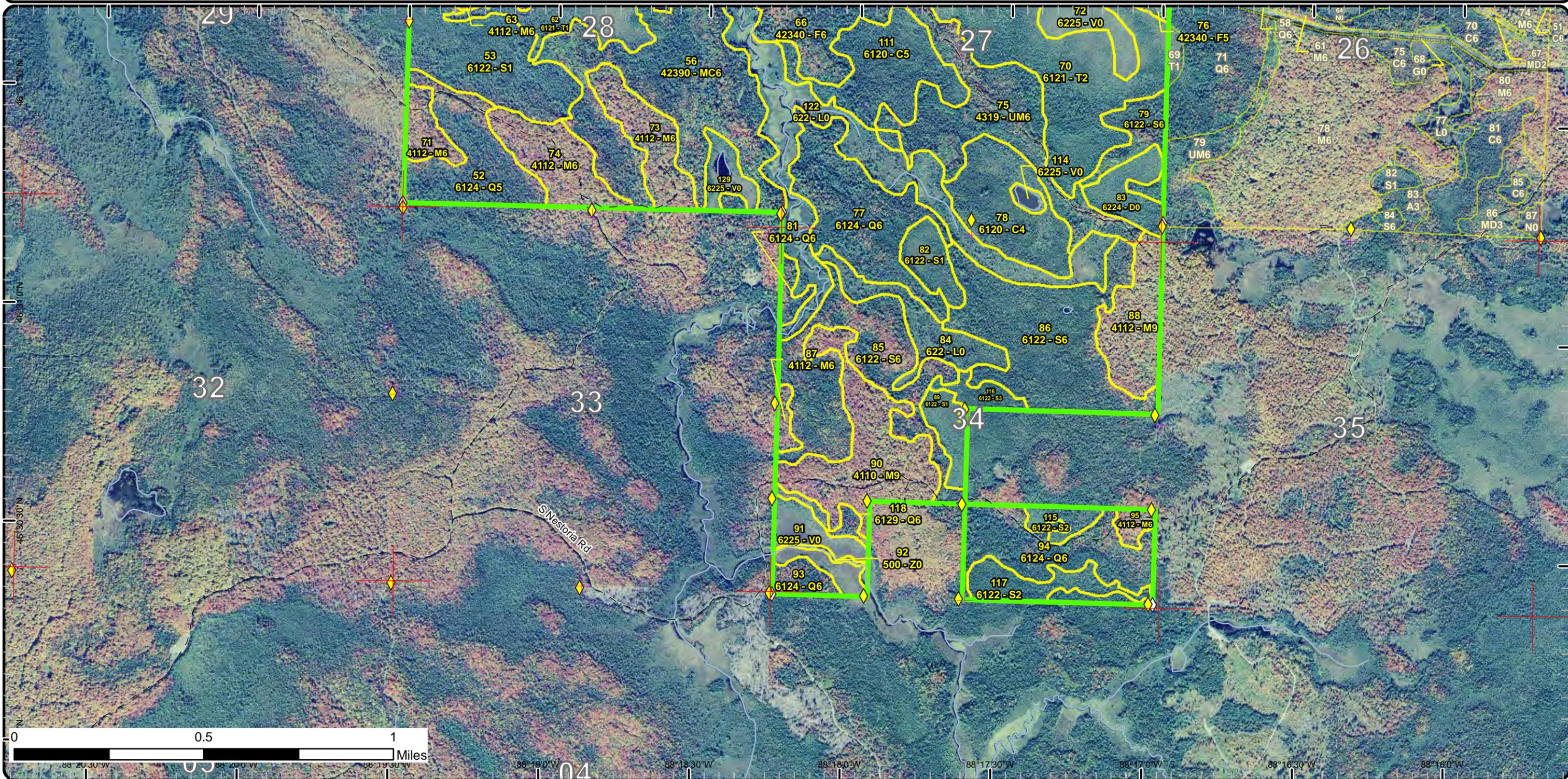


# Stand Boundary Map

Compartment: 11020  
 T48N, R32W, Sec: 09, 10, 15, 16, 21, 22, 27, 28, 34  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Covington/Ned Lake  
 YOE: 2018  
 Acres: 3993 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 5/12/2016  
 Map Phase: Review



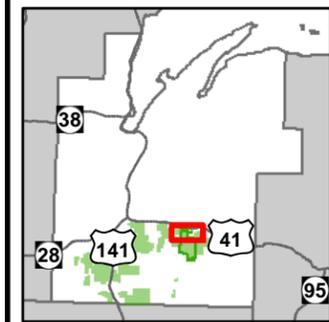
- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Poor Dirt Roads
- Rivers
- Pipeline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 423 - Other Upland Conifers
- 430 - Upland Mixed Fores
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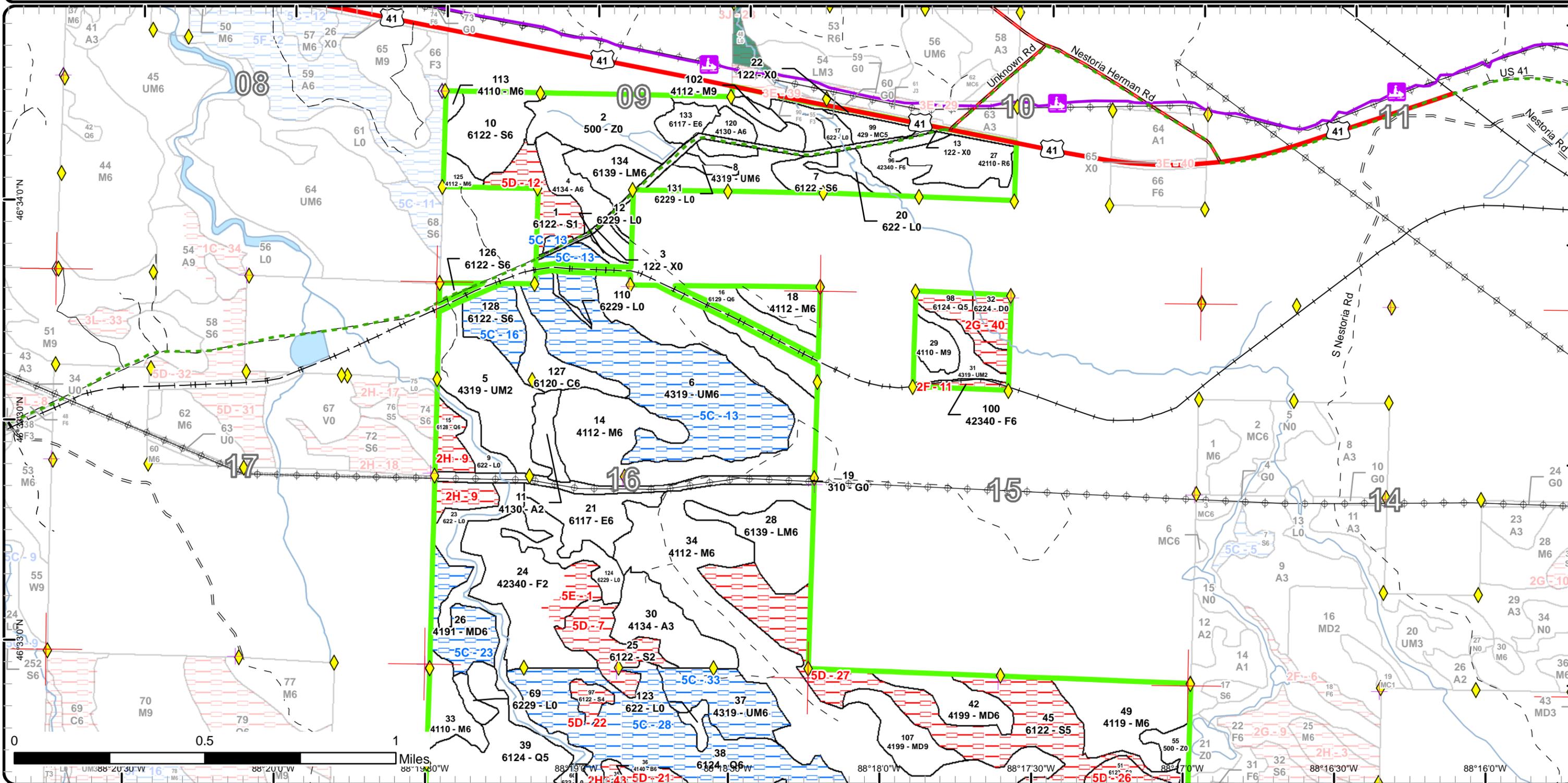
88°20'30"W
88°19'30"W
88°18'30"W
88°17'30"W
88°17'0"W
88°16'30"W
88°16'0"W

# Special Conservation Areas & Site Conditions Map

Compartment: 11020  
 T48N, R32W, Sec: 09, 10, 15, 16  
 21, 22, 27, 28, 34  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Covington/Ned Lake  
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 Examiner: Jason Mittlestat  
 Map Revised: 5/12/2016  
 Map Phase: Review

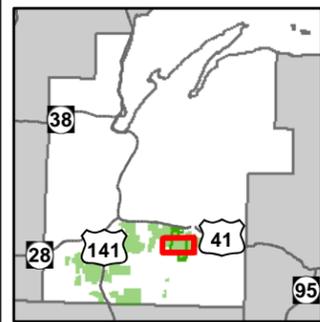


- Miris Corners
  - + Remonumented Section Corners
  - ◆ Survey Grade GPS Corners
  - ◇ Field Grade GPS Corners
  - 🚡 Snowmobile Trails
  - - - Designated Hiking Trails
  - - - Designated Snowmobile Trails
  - = Highway
  - = County Gravel Roads
  - = Gravel Roads
  - - - Poor Dirt Roads
  - = Railroads
  - = Rivers
  - Pipeline
  - Powerline
  - Compartment Boundary
  - SCA
  - SCA Removal
  - Available w/ Constraints
  - Unavailable
  - Stand Boundaries
  - Special Conservation Areas
  - Cold Water Streams
  - Cold Water Lakes
  - Habitat Corridor
- 5E: Long-Term Retention  
 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)  
 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  
 5D: Unproductive Forest Land

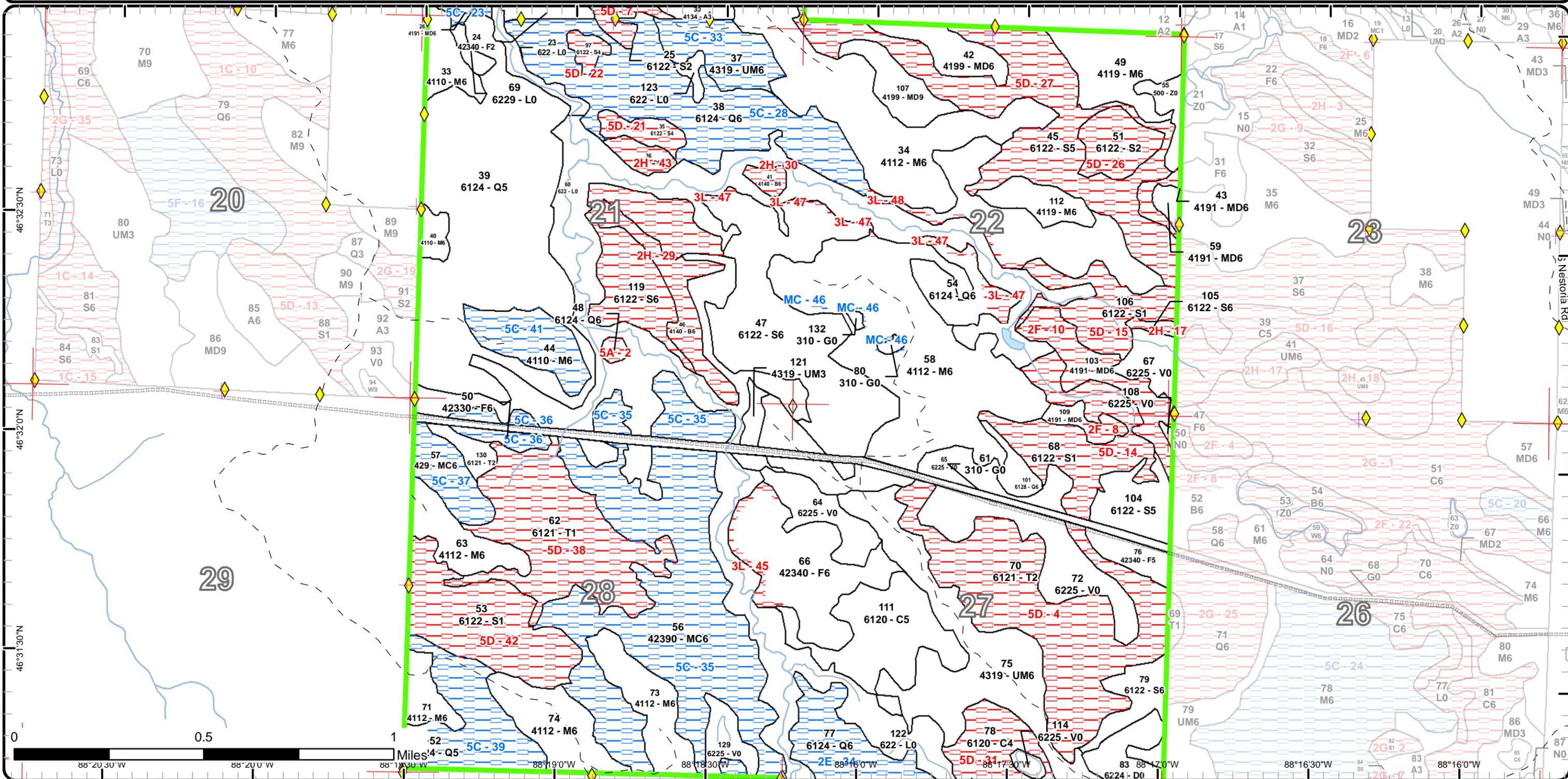


# Special Conservation Areas & Site Conditions Map

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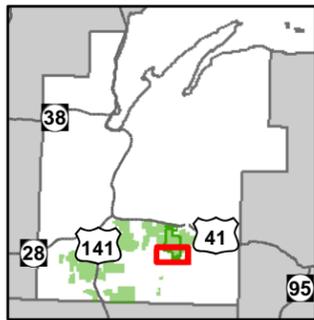


- Miris Corners
  - + Remonumented Section Corners
  - ◆ Survey Grade GPS Corners
  - ◇ Field Grade GPS Corners
  - Poor Dirt Roads
  - Rivers
  - Pipeline
  - Compartment Boundary
  - SCA
  - SCA Removal
  - Available w/ Constraints
  - Unavailable
  - 2E: Road needed
- 
- 5C: Delay treatment for age/size class diversity or exceptional site quality
  - 2F: Too steep
  - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
  - 3L: Other wildlife concerns
  - 5A: Not able to obtain desirable regeneration
  - 5D: Unproductive Forest Land
  - Stand Boundaries
  - Special Conservation Areas
  - Cold Water Streams
  - Cold Water Lakes

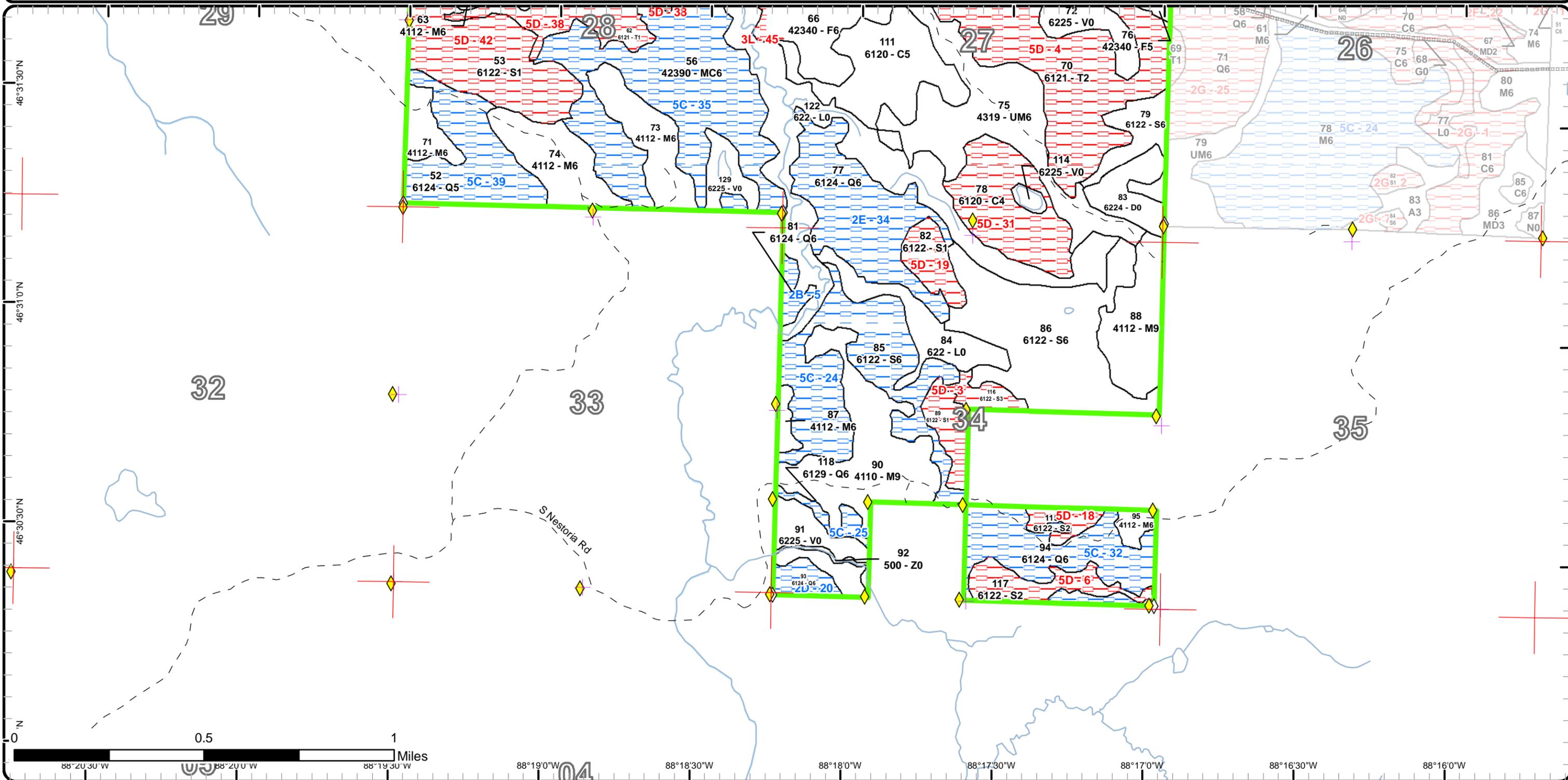


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- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- - Poor Dirt Roads
- Rivers
- Pipeline
- Compartment Boundary
- SCA
- SCA Removal
- Available w/ Constraints
- Unavailable
- 2B: Unknown if access through adjacent landowner(s) is possible
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 2E: Road needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- Special Conservation Areas
- Cold Water Streams





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	9	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	63
Bog	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Cedar	0	0	0	0	0	0	0	0	0	0	0	93	0	0	0	0	0	16	109
Herbaceous Openland	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Lowland Conifers	0	0	0	0	0	0	0	243	19	58	234	0	0	23	0	0	0	0	577
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	15	40
Lowland Shrub	394	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	394
Lowland Spruce/Fir	0	0	0	0	0	152	0	17	77	47	287	80	18	59	0	0	0	75	812
Mixed Upland Deciduous	0	0	0	0	0	0	0	5	27	0	21	0	0	0	0	0	0	45	98
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	712	712
Paper Birch	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	34
Red Pine	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Tamarack	0	0	0	0	0	204	0	0	0	0	0	0	0	0	0	0	0	0	204
Treed Bog	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Upland Conifers	0	0	0	0	6	19	0	0	0	185	0	0	0	0	0	0	0	0	210
Upland Mixed Forest	0	10	46	0	0	0	0	0	85	0	0	0	0	0	0	0	152	293	
Upland Spruce/Fir	0	0	52	0	0	0	10	0	21	58	10	0	0	0	0	0	0	0	151
Urban	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Water	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
<b>Total</b>	<b>643</b>	<b>19</b>	<b>125</b>	<b>0</b>	<b>26</b>	<b>19</b>	<b>356</b>	<b>10</b>	<b>265</b>	<b>229</b>	<b>348</b>	<b>586</b>	<b>173</b>	<b>43</b>	<b>82</b>	<b>0</b>	<b>0</b>	<b>1071</b>	<b>3995</b>



## Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry:

Acres of Harvest

Compartment 20  
Total Compartment Acres: 3,993

Commercial Harvest - 918  
Harvests with Site Condition - 4  
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
Lowland Conifers	69	0	0	0	0	0	0	0	0	69
Lowland Deciduous	22	0	0	0	0	0	0	0	0	22
Lowland Mixed Forest	25	0	0	0	0	0	0	0	0	25
Lowland Spruce/Fir	198	0	0	0	0	0	0	0	0	198
Mixed Upland Deciduous	4	4	0	34	0	0	0	0	0	41
Northern Hardwood	0	325	0	35	0	0	0	0	0	359
Red Pine	0	0	0	0	0	20	0	0	0	20
Upland Mixed Forest	25	0	0	85	0	0	0	0	0	110
Upland Spruce/Fir	78	0	0	0	0	0	0	0	0	78
<b>Total</b>	<b>420</b>	<b>329</b>	<b>0</b>	<b>153</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>922</b>



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
1	11020001- SBW	14.2	6122 - Black Spruce	Sapling Poor	90	Unspec ified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Reserve cedar, elm, white pine, hemlock, black cherry and yellow birch. harvest all other tree species to 2"

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed conifer, aspen and deciduous.

Regen:

Other

Comment:

Proposed Start Date: 01/13/2016

7	11020007-Cut	13.2	6122 - Black Spruce	Poletimber Well	80	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
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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). Retention for this

Specs: stand is expected to be less than 3% due to over story stand composition and will consist of reserve tree species.

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: 10/01/2017

7	11020007- SBW	7.2	6122 - Black Spruce	Poletimber Well	80	Unspec ified	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Reserve cedar, elm, white pine, hemlock, black cherry and yellow birch. harvest all other tree species to 2"

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed conifer, aspen and deciduous.

Regen:

Other

Comment:

Proposed Start Date: 01/13/2016

8	11020008- SBW	25.1	4319 - Mixed Upland Forest	Poletimber Well	71	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
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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). Retention for this

Specs: stand will be greater than 3% and will consist of reserve tree species.

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: 10/01/2017

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
10 11020010-Cut	24.1	6122 - Black Spruce	Poletimber Well	95	Unspecified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal

**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). Retention for this stand will be greater than 3% and will consist of reserve tree species.

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

Acceptable any mix of over story species  
Regen:

Other stand to be treated with compartment 21, if adjacent stands in compartment 21 are not to be harvested drop treatment and reevaluated next  
Comment: inventory cycle

Proposed Start Date: 10/01/2023

21 11020021-SBW	21.6	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	65	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Reserve cedar, elm, white pine, hemlock, black cherry and yellow birch. harvest all other tree species to 2"  
Specs:

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

Acceptable Mixed conifer, aspen and deciduous.  
Regen:

Other  
Comment:

Proposed Start Date: 01/13/2016

27 11020027-Cut	19.6	42110 - Planted Red Pine	Poletimber Well	35	51-80	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand removing 1/3 of the volume  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

28 11020028-SBW	25.4	6139 - Mixed Lowland Forest	Poletimber Well	126	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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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). Retention for this stand will be greater than 3% and will consist of reserve tree species.

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: 10/01/2017



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
34	11020034-Cut	150.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	73	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Mark to selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. If oak are found oak should be released on 3 sides to an average BA of 60 sqft. If there are areas 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: 10/01/2017

38	11020038-SBW	46.7	6124 - Lowland Spruce-Fir	Poletimber Well	106	81-110	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Proposal
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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). Maintain a 100' buffer along stream for wildlife travel corridor and long term retention. Retention for this stand will be greater than 3% and will consist of reserve tree species and riparian buffer.

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: 10/01/2017

42	11020042-Cut	16.4	4199 - Other Mixed Upland Deciduous	Poletimber Well	73	111-140	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees species except, approximately 10 sqft BA of paper birch, also leave all hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any mix of trees species present on the over story

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

47	11020047-Cut	101.3	6122 - Black Spruce	Poletimber Well	106	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
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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). Maintain a 100' buffer along stream for wildlife travel corridor and long term retention. Retention for this stand will be greater than 3% and will consist of reserve tree species and riparian buffer.

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: 10/01/2017



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
49	11020049-Cut	34.6	4119 - Mixed Northern Hardwoods	Poletimber Well	98	111-140	Harvest	Seed Tree with Retention	4140 - Other Upland Deciduous	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Cut all trees species except, approximately 10 sqft BA of paper birch, also leave all hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species.

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: 10/01/2017

54	11020054-Cut	14.8	6124 - Lowland Spruce-Fir	Poletimber Well	138	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
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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). Maintain a 100' buffer along stream for wildlife travel corridor and long term retention. Retention for this stand will be greater than 3% and will consist of reserve tree species and riparian buffer.

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: 10/01/2017

58	11020058-Cut	150.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	84	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Mark to selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. If oak are found oak should be released on 3 sides to an average BA of 60 sqft. If there are areas 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: 10/01/2017

59	11020059-Cut	3.7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	73	81-110	Harvest	Single Tree Selection	4191 - Mixed Upland Deciduous with Conifer	Uneven-Aged	Field Boundary
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**Habitat Cut: No****Site Condition: Unproductive**

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

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

Acceptable any mix of species found in the over story  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2010



Stand Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
66 11020066-SBW	52.0	42340 - Upland Spruce/Fir	Poletimber Well	92	81-110	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Maintain a 100' buffer along stream for wildlife travel corridor and long term retention. Retention for this stand will be greater than 3% and will consist of reserve tree species and riparian buffer.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.										
<u>Other Comment:</u>										
<u>Proposed Start Date:</u> 10/01/2017										
75 11020075-SBW	84.9	4319 - Mixed Upland Forest	Poletimber Well	81	51-80	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees species except, approximately 10 sqft BA of paper birch, also leave all hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.										
<u>Other Comment:</u>										
<u>Proposed Start Date:</u> 10/01/2017										
76 11020076-SBW	10.3	42340 - Upland Spruce/Fir	Poletimber Medium	65	81-110	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this stand is expected to be less than 3% due to over story stand composition and will consist of reserve tree species.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.										
<u>Other Comment:</u> stand to be treated with compartment 19, if adjacent stands in compartment 19 are not to be harvested drop treatment and reevaluated next inventory cycle										
<u>Proposed Start Date:</u> 10/01/2020										
79 11020079-Cut	17.5	6122 - Black Spruce	Poletimber Well	90	1-50	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this stand is expected to be less than 3% due to over story stand composition and will consist of reserve tree species.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to the harvest.										
<u>Other Comment:</u> This stand to be treated with compartment 19. If adjacent stands in compartment 19 are not to be harvested then drop the treatment and reevaluate during the next inventory cycle.										
<u>Proposed Start Date:</u> 10/01/2020										



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
96	11020096- SBW	15.7	42340 - Upland Spruce/Fir	Poletimber Well	80	51-80	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this								
<u>Specs:</u>			stand will be greater than 3% and will consist of reserve tree species.								
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable</u>			Any combination of the original stand's over story species prior to harvest.								
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2017								
101	11020101- SBW	7.1	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	90	Unspec ified	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this								
<u>Specs:</u>			stand is expected to be less than 3% due to over story stand composition and will consist of reserve tree species.								
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable</u>			Any combination of the original stand's over story species prior to harvest.								
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2017								
102	11020102-Cut	3.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Mark to selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. If oak are								
<u>Specs:</u>			found oak should be released on 3 sides to an average BA of 60 sqft. If there are areas 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".								
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable</u>			Any combination of the original stand's over story species prior to harvest.								
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2017								
104	11020104-Cut	20.7	6122 - Black Spruce	Poletimber Medium	97	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this								
<u>Specs:</u>			stand will be greater than 3% and will consist of reserve tree species.								
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable</u>			Any combination of the original stand's over story species prior to harvest.								
<u>Regen:</u>											
<u>Other</u>			stand to be treated with compartment 19, if adjacent stands in compartment 19 are not to be harvested drop treatment and reevaluated next								
<u>Comment:</u>			inventory cycle								
<u>Proposed Start Date:</u>			10/01/2020								



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
107	11020107-Cut	17.4	4199 - Other Mixed Upland Deciduous	Sawtimber Well	83	111-140	Harvest	Seed Tree with Retention	4193 - Birch, Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees species except, approximately 10 sqft BA of paper birch, also leave all hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
109	11020109-SBW	3.6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	85	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees except, hemlock, black cherry, cedar, oak and white pine (some reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
112	11020112-Cut	14.1	4119 - Mixed Northern Hardwoods	Poletimber Well	73	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Mark to selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. If oak are found oak should be released on 3 sides to an average BA of 60 sqft. If there are areas 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".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
113	11020113-Cut	1.8	4110 - Sugar Maple Association	Poletimber Well	71	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Mark to selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. If oak are found oak should be released on 3 sides to an average BA of 60 sqft. If there are areas 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".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.											
<u>Regen:</u>											
<u>Other</u> stand to be treated with compartment 21, if adjacent stands in compartment 21 are not to be harvested drop treatment and reevaluated next inventory cycle											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2023											



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
125	11020125-Cut	4.0	4112 - Maple, Beech, Cherry Association	Poletimber Well	80	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Mark to selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. If oak are found oak should be released on 3 sides to an average BA of 60 sqft. If there are areas 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 stand to be treated with compartment 21, if adjacent stands in compartment 21 are not to be harvested drop treatment and reevaluated next  
Comment: inventory cycle

Proposed Start Date: 10/01/2023

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**Total Treatment  
Acreage Proposed: 921.9**

## Report 5 – Site Conditions

Baraga Mgt. Unit

Compartment: 20

Jason Mittlestat : Examiner

Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions													
		With Condition				2B	2D	2E	5C	MC	2F	2G	2H	3L	5A	5D	5E		
63	63	0		0	Aspen														
123	123	0		0	Bog														
109	65	0		44	Cedar												44		
43	43	0		0	Herbaceous Openland														
576	262	274		40	Lowland Conifers	6	9	60	200			10	16	11	2				
29	29	0		0	Lowland Deciduous														
40	40	0		0	Lowland Mixed Forest														
394	394	0		0	Lowland Shrub														
811	270	89		451	Lowland Spruce/Fir				89				53	2			396	0	
98	41	21		36	Mixed Upland Deciduous				21		31						5		
712	683	28		0	Northern Hardwood				26	2				0					
34	0	0		34	Paper Birch								34						
20	20	0		0	Red Pine														
204	7	0		197	Tamarack												197		
25	17	0		8	Treed Bog							8							
210	6	204		0	Upland Conifers				204										
293	166	127		0	Upland Mixed Forest				127			0							
152	124	10		17	Upland Spruce/Fir				10		3			6					8
15	15	0		0	Urban														
43	43	0		0	Water													0	
3,993	2,410	754		829	Total Forested Acres	6	9	60	678	2	35	18	103	20	2		643	8	
	60%	19%		21%	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	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 5 – Site Conditions**

**Baraga Mgt. Unit**  
**Jason Mittlestat : Examiner**

**Compartment: 20**  
**Year of Entry: 2018**

2	Unavailable	5A: Not able to obtain desirable regeneration	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	5D: Unproductive Forest Land	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Unavailable	5D: Unproductive Forest Land	115	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	Unavailable	5D: Unproductive Forest Land	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	Unavailable	5D: Unproductive Forest Land	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Baraga Mgt. Unit

Compartment: 20

Jason Mittlestat : Examiner

Year of Entry: 2018

9	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	16	2E: Road needed	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified
<b>Comments:</b> large bridge needed 40-50 Ft to access minimal acreage, no access form west due to steep rock ridges							
10	<b>Unavailable</b>	<b>2F: Too steep</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>2F: Too steep</b>	4	2J: Blocked by Railroad	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	101	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M type							
14	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	49	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 5 – Site Conditions**

**Baraga Mgt. Unit**  
**Jason Mittlestat : Examiner**

**Compartment: 20**  
**Year of Entry: 2018**

15	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Available</b>	<b>2D: Portable Bridge Needed (Dept. bridge will be adequate)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 20  
Year of Entry: 2018

21	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M type							
24	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	74	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M type							
25	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M type							
26	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Baraga Mgt. Unit

Compartment: 20

Jason Mittlestat : Examiner

Year of Entry: 2018

27	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	132	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> areas of stand may be harvestable harvest with adjacent stands ware possible, areas of stand may need to be mapped out differently in the future							
28	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	100	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2038 with adjacent M type							
29	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	73	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	44	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	50	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M type							

**Report 5 – Site Conditions**

Baraga Mgt. Unit

Compartment: 20

Jason Mittlestat : Examiner

Year of Entry: 2018

33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2038 with adjacent M type							
34	Available	2E: Road needed	60	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	185	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M types							
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028, access winter only from west across private							
37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M type							
38	Unavailable	5D: Unproductive Forest Land	83	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 20  
Year of Entry: 2018

39	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	45	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 with adjacent M types							
40	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> look to harvest in 2028 access form west during winter							
42	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	59	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
43	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
45	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	6	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 5 – Site Conditions**

**Baraga Mgt. Unit**

**Compartment: 20**

**Jason Mittlestat : Examiner**

**Year of Entry: 2018**

46	Available	Minor Change in Acreage	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
47	Unavailable	3L: Other wildlife concerns	9	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
48	Unavailable	3L: Other wildlife concerns	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: 20  
Year of Entry: 2018



## Report 6 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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.

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## Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 20  
Year of Entry: 2018

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6122 - Black Spruce	Sapling Poor	16.4	90	Unspecified	
4	4134 - Aspen, Spruce/Fir	Poletimber Well	18.6	45	Unspecified	
5	4319 - Mixed Upland Forest	Sapling Medium	38.9	16	Unspecified	
6	4319 - Mixed Upland Forest	Poletimber Well	100.9	91	81-110	
7	6122 - Black Spruce	Poletimber Well	16.4	80	Unspecified	
8	4319 - Mixed Upland Forest	Poletimber Well	25.1	71	81-110	
10	6122 - Black Spruce	Poletimber Well	25.3	95	Unspecified	
11	4130 - Aspen	Sapling Medium	9.0	9	Unspecified	
14	4112 - Maple, Beech, Cherry Association	Poletimber Well	92.6	65	81-110	
15	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	16.2	106	Unspecified	
16	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	20.6	71	Unspecified	
18	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.4	85	51-80	
21	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	21.4	65	51-80	2016 under contract
24	42340 - Upland Spruce/Fir	Sapling Medium	52.5	17	Unspecified	
25	6122 - Black Spruce	Sapling Medium	20.6	55	Unspecified	
26	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	20.5	106	111-140	
27	42110 - Planted Red Pine	Poletimber Well	19.6	35	51-80	
28	6139 - Mixed Lowland Forest	Poletimber Well	25.4	126	81-110	

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## Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 20  
Year of Entry: 2018

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4110 - Sugar Maple Association	Sawtimber Well	8.1	96	51-80	
4134 - Aspen, Spruce/Fir	Sapling Well	26.6	17	Immature	
4319 - Mixed Upland Forest	Sapling Medium	10.3	2	Immature	
4110 - Sugar Maple Association	Poletimber Well	14.0	86	51-80	
4112 - Maple, Beech, Cherry Association	Poletimber Well	150.8	73	111-140	
6122 - Black Spruce	Poletimber Poor	9.2	90	Unspecified	Typed as D0 last inventory cycle imagery shows more than 25% canopy cover not visited during the 2016 inventory cycle
4140 - Other Upland Deciduous	Poletimber Well	7.2	106	51-80	Stand not visited during the 2016 inventory cycle
4319 - Mixed Upland Forest	Poletimber Well	26.1	80	111-140	
6124 - Lowland Spruce-Fir	Poletimber Well	152.0	106	81-110	
6124 - Lowland Spruce-Fir	Poletimber Medium	173.0	75	1-50	
4110 - Sugar Maple Association	Poletimber Well	5.9	69	51-80	
4140 - Other Upland Deciduous	Poletimber Well	4.1	106	51-80	stand not visited during the 2016 inventory cycle
4199 - Other Mixed Upland Deciduous	Poletimber Well	16.4	73	111-140	
4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	4.8	73	111-140	
4110 - Sugar Maple Association	Poletimber Well	26.0	88	111-140	
6122 - Black Spruce	Poletimber Medium	126.8	107	Unspecified	
4140 - Other Upland Deciduous	Poletimber Well	22.9	106	51-80	
6122 - Black Spruce	Poletimber Well	105.0	106	Unspecified	

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## Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 20  
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
48	6124 - Lowland Spruce- Fir	Poletimber Well	2.5	138	51-80	stand not visited in 2016 year data form 2006 inventory
49	4119 - Mixed Northern Hardwoods	Poletimber Well	34.6	98	111-140	
50	42330 - Upland Fir	Poletimber Well	10.1	102	81-110	
51	6122 - Black Spruce	Sapling Medium	18.9	50	Unspecified	
52	6124 - Lowland Spruce- Fir	Poletimber Medium	44.6	90	Unspecified	
53	6122 - Black Spruce	Sapling Poor	58.7	135	Unspecified	
54	6124 - Lowland Spruce- Fir	Poletimber Well	20.9	138	51-80	
56	42390 - Mixed Non- Pine Upland Conifers	Poletimber Well	185.3	92	81-110	Understory representative of over story
57	429 - Mixed Upland Conifers	Poletimber Well	19.1	40	81-110	
58	4112 - Maple, Beech, Cherry Association	Poletimber Well	153.5	84	111-140	portions of stand more open, lots of brows, regen is getting past the brows pressure in the larger openings
59	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	3.9	73	81-110	Stand not visited during 2016 inventory, old inventory data
62	6121 - Tamarack	Sapling Poor	82.9	50	Unspecified	
63	4112 - Maple, Beech, Cherry Association	Poletimber Well	21.9	95	81-110	
66	42340 - Upland Spruce/Fir	Poletimber Well	57.5	92	81-110	
68	6122 - Black Spruce	Sapling Poor	49.1	114	Unspecified	area typed as non forested previously
70	6121 - Tamarack	Sapling Medium	114.6	51	Unspecified	
71	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.8	83	81-110	
73	4112 - Maple, Beech, Cherry Association	Poletimber Well	27.4	83	81-110	

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Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 20  
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	4112 - Maple, Beech, Cherry Association	Poletimber Well	30.6	83	81-110	
75	4319 - Mixed Upland Forest	Poletimber Well	84.9	81	51-80	
76	42340 - Upland Spruce/Fir	Poletimber Medium	10.3	65	81-110	
77	6124 - Lowland Spruce- Fir	Poletimber Well	59.8	102	Unspecified	not visited during 2016 inventory
78	6120 - Lowland Cedar	Poletimber Poor	44.2	114	Unspecified	
79	6122 - Black Spruce	Poletimber Well	17.5	90	1-50	
81	6124 - Lowland Spruce- Fir	Poletimber Well	5.6	102	51-80	stand not visited during 2016 inventory cycle
82	6122 - Black Spruce	Sapling Poor	13.8	50	Unspecified	stand not visited during the 2016 inventory cycle type as non forested last inventory cycle, imagery shows forested stand
85	6122 - Black Spruce	Poletimber Well	74.2	84	51-80	look at harvesting operable areas of stand next rotation with M type
86	6122 - Black Spruce	Poletimber Well	85.8	56	Unspecified	stand not visited during 2016 inventory, previous inventory data
87	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.5	98	81-110	
88	4112 - Maple, Beech, Cherry Association	Sawtimber Well	32.1	87	81-110	cut
89	6122 - Black Spruce	Sapling Poor	11.9	50	Unspecified	
90	4110 - Sugar Maple Association	Sawtimber Well	58.7	81	81-110	
93	6124 - Lowland Spruce- Fir	Poletimber Well	8.7	84	Unspecified	Bridge Needed
94	6124 - Lowland Spruce- Fir	Poletimber Well	49.7	70	Unspecified	look at harvesting operable portions of stand next rotation with M type
95	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.0	85	81-110	
96	42340 - Upland Spruce/Fir	Poletimber Well	17.7	80	51-80	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
97	6122 - Black Spruce	Poletimber Poor	4.9	106	Unspecified	
98	6124 - Lowland Spruce- Fir	Poletimber Medium	10.1	81	Unspecified	
99	429 - Mixed Upland Conifers	Poletimber Medium	6.0	35	81-110	
100	42340 - Upland Spruce/Fir	Poletimber Well	3.5	81	Unspecified	
101	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	7.1	90	Unspecified	
102	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.4	90	111-140	some top die back in stand
103	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	27.3	80	111-140	steep ridge
104	6122 - Black Spruce	Poletimber Medium	20.7	97	Unspecified	areas of stand harvestable, manage with compartment to the west
105	6122 - Black Spruce	Poletimber Well	2.7	80	Unspecified	
106	6122 - Black Spruce	Sapling Poor	30.9	114	Unspecified	area typed as non forested previously
107	4199 - Other Mixed Upland Deciduous	Sawtimber Well	17.4	83	111-140	
109	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	7.5	85	111-140	east portion of stand is a steep knob inoperable
111	6120 - Lowland Cedar	Poletimber Medium	48.6	114	1-50	
112	4119 - Mixed Northern Hardwoods	Poletimber Well	14.1	73	111-140	
113	4110 - Sugar Maple Association	Poletimber Well	1.8	71	111-140	
115	6122 - Black Spruce	Sapling Medium	7.6	70	Unspecified	
116	6122 - Black Spruce	Sapling Well	9.0	70	Unspecified	
117	6122 - Black Spruce	Sapling Medium	18.2	120	Unspecified	

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Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 20  
Year of Entry: 2018

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6129 - Mixed Coniferous Lowland Forest	Poletimber Well	5.7	90	Unspecified	
6122 - Black Spruce	Poletimber Well	50.3	106	Unspecified	
4130 - Aspen	Poletimber Well	8.2	30	Unspecified	
4319 - Mixed Upland Forest	Sapling Well	6.8	18	Immature	
4112 - Maple, Beech, Cherry Association	Poletimber Well	4.0	80	111-140	
6122 - Black Spruce	Poletimber Well	1.9	70	Unspecified	
6120 - Lowland Cedar	Poletimber Well	15.9	91	51-80	
6122 - Black Spruce	Poletimber Well	15.0	85	Unspecified	
6121 - Tamarack	Sapling Medium	6.6	50	Unspecified	
6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	7.5	71	51-80	2016 under contract, old inventory data
6139 - Mixed Lowland Forest	Poletimber Well	14.7	71	51-80	2016 under contract old inventory data



Stand	Cover Type	Acres	Managed Site	General Comments:
2	500 - Water	32.0	No	
3	122 - Road/Parking Lot	2.7	No	
9	622 - Lowland Shrub	8.4	No	
12	6229 - Mixed lowland shrub	1.8	No	
13	122 - Road/Parking Lot	6.7	No	
17	622 - Lowland Shrub	4.1	No	
19	310 - Herbaceous Openland	14.8	No	
20	622 - Lowland Shrub	6.1	No	
22	122 - Road/Parking Lot	5.7	No	
23	622 - Lowland Shrub	28.7	No	
32	6224 - Treed Bog	7.9	No	
55	500 - Water	8.3	No	
60	622 - Lowland Shrub	193.5	No	
61	310 - Herbaceous Openland	26.2	No	Gas line becoming forested due to lack of brushing by gas company
64	6225 - Bog	19.5	No	
65	6225 - Bog	16.5	No	
67	6225 - Bog	12.3	No	
69	6229 - Mixed lowland shrub	3.9	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
72	6225 - Bog	38.6	No	
80	310 - Herbaceous Openland	1.4	No	
83	6224 - Treed Bog	17.3	No	
84	622 - Lowland Shrub	24.7	No	
91	6225 - Bog	20.8	No	
92	500 - Water	2.2	No	
108	6225 - Bog	0.9	No	
110	6229 - Mixed lowland shrub	1.3	No	
114	6225 - Bog	2.9	No	
122	622 - Lowland Shrub	101.0	No	
123	622 - Lowland Shrub	3.1	No	
124	6229 - Mixed lowland shrub	14.8	No	
129	6225 - Bog	11.3	No	
131	6229 - Mixed lowland shrub	2.9	No	
132	310 - Herbaceous Openland	1.0	No	