



# Compartment Review Presentation

## Baraga Forest Management Unit

Compartment 11019

Entry Year 2021

Acreage: 2,031

County Baraga

Management Area: Covington-Ned Lake

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**Revision Date:** 2019-03-04

**Stand Examiner:** Ryan Mattila

**Legal Description:**

Covington and Spurr Townships  
T48N, R32W, Sections 14, 23, 24 and 26

**Identified Planning Goals:**

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

**Soil and topography:**

The upland areas of this compartment are rolling and steep. The upland soil type is Amasa cobbly silt loam. The lowland are broad low lying conifer swamps, marshes and treed bog; their soils consist of Dawson and Greenwood peats along with Carbondale and Tacoosh mucks.

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

The majority of the adjacent lands are managed for timber. The private ownership is predominantly industrial forest.

**Unique Natural Features:**

MNFI recognizes the potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, gray wolf and wood turtle (along drainages). There is also potential for red-disked alpine, frigga fritillary and freija fritillary in open wetlands and bogs. Potential for showy orchis, climbing fumitory, goblin fern, male fern, large toothwort, ginseng, and northern marsh violet in mature hardwoods. Potential for veiny meadow-rue, narrow-leaved gentian, and Farwell's water-milfoil in drainages. Potential for ram's head lady's slipper, lapland buttercup, limestone oak fern, and calypso orchid in conifer swamps.

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

No concerns noted by HAL.

**Special Management Designations or Considerations:**

BMP guidelines should be followed around the intermittent streams, branch of Tioga and tributaries to Lateral Creek. Minimize crossings where possible.

**Watershed and Fisheries Considerations:**

There are several intermittent streams, a branch of the Tioga and tributaries to Lateral Creek in this compartment which are trout streams. There are also some beaver activity and ponds on these water courses.

**Wildlife Habitat Considerations:**

Favor mesic conifers; White Pine and Hemlock, as well Northern Red Oak. There are also moose in the area which need to have conifer cover left around ponds and marshes if management is to take place.

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

The state-managed Nestoria Pit is located less than two miles to the north and is currently leased to the County Road Commission. There may be some sand/gravel potential within the compartment on the uplands, but much of the compartment is covered by wetlands. Abandoned iron mines are located three miles to the east. There is no history of mineral leasing and there has been no known mineral exploration within the compartment. There is no economic oil and gas production in the UP.

**Vehicle Access:**

The South Nestoria Road provides the main access to this compartment. This is not a county road. It has been upgraded in the past but may require work if timber harvesting activities are going to take place. There are other forest roads in the compartment that are in various conditional stages. Most are poor.

**Survey Needs:**

Some survey work will need to be done for harvest activities.

**Recreational Facilities and Opportunities:**

There are numerous hunting and fishing opportunities.

**Fire Protection:**

Historically there have been very few man caused fires in this area. Most wild fires have been small in nature, and have been the result of lightening activity. Fire suppression is difficult due to poor access.

**Additional Compartment Information:**

There are two utility right of ways that cross this compartment.

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

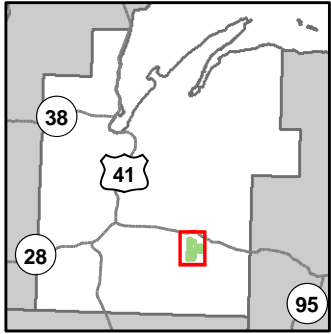
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

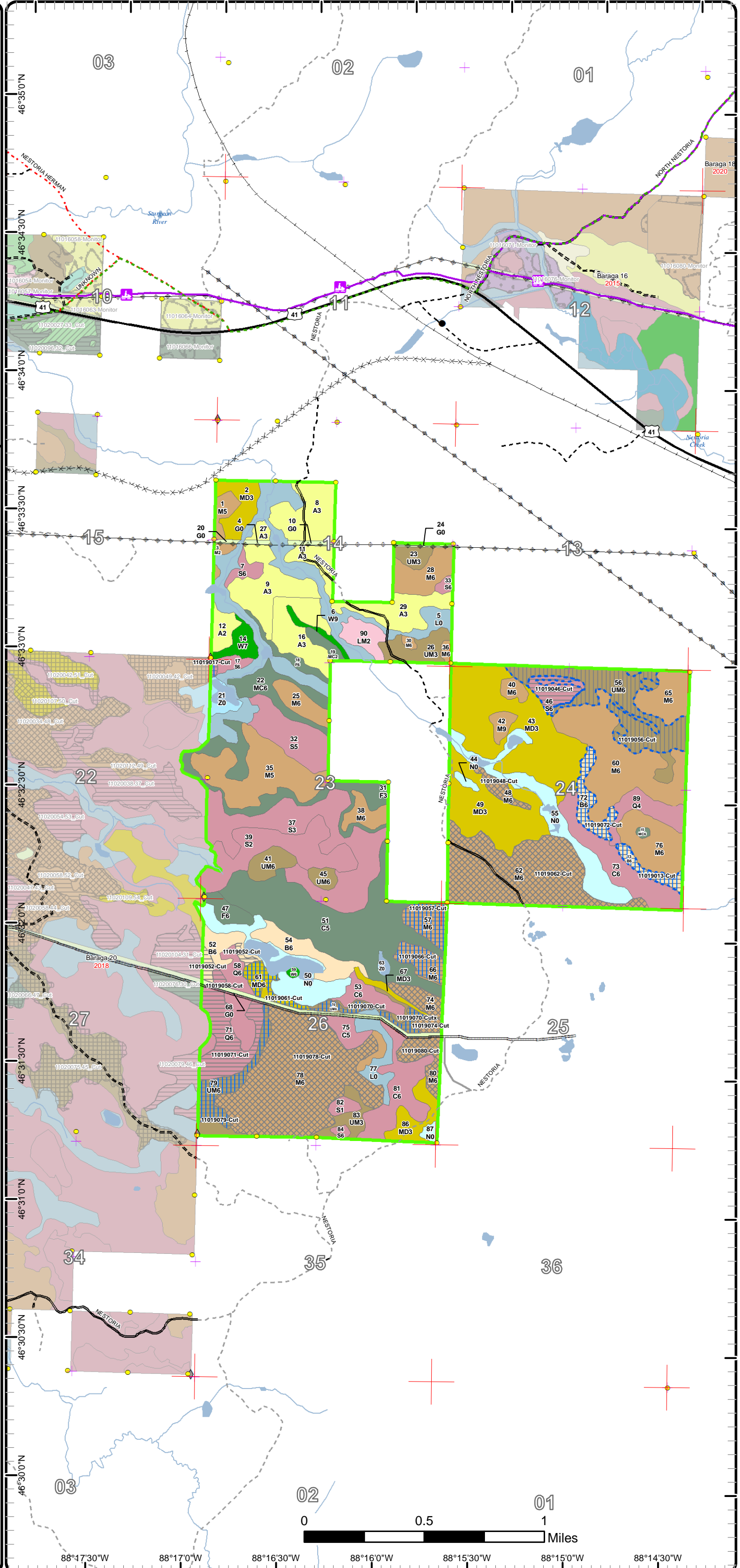
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 19  
 T48N, R32W, Sec. 14, 22-24, 26, 27  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Covington-Ned Lake  
 YOE: 2021  
 Acres: 2,031 GIS Calculated  
 Examiner: Ryan Mattila  
 Map Revised: 10/9/2019  
 Map Phase: Post Review

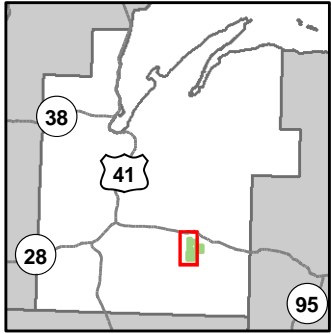


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
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- Lakes and Rivers All
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- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
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- 500 - Water
- 622 - Lowland Shrub
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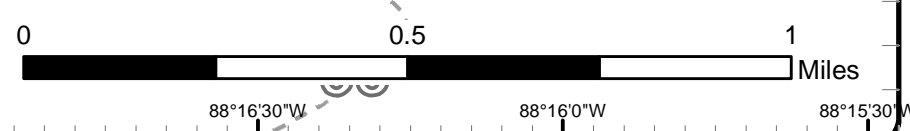
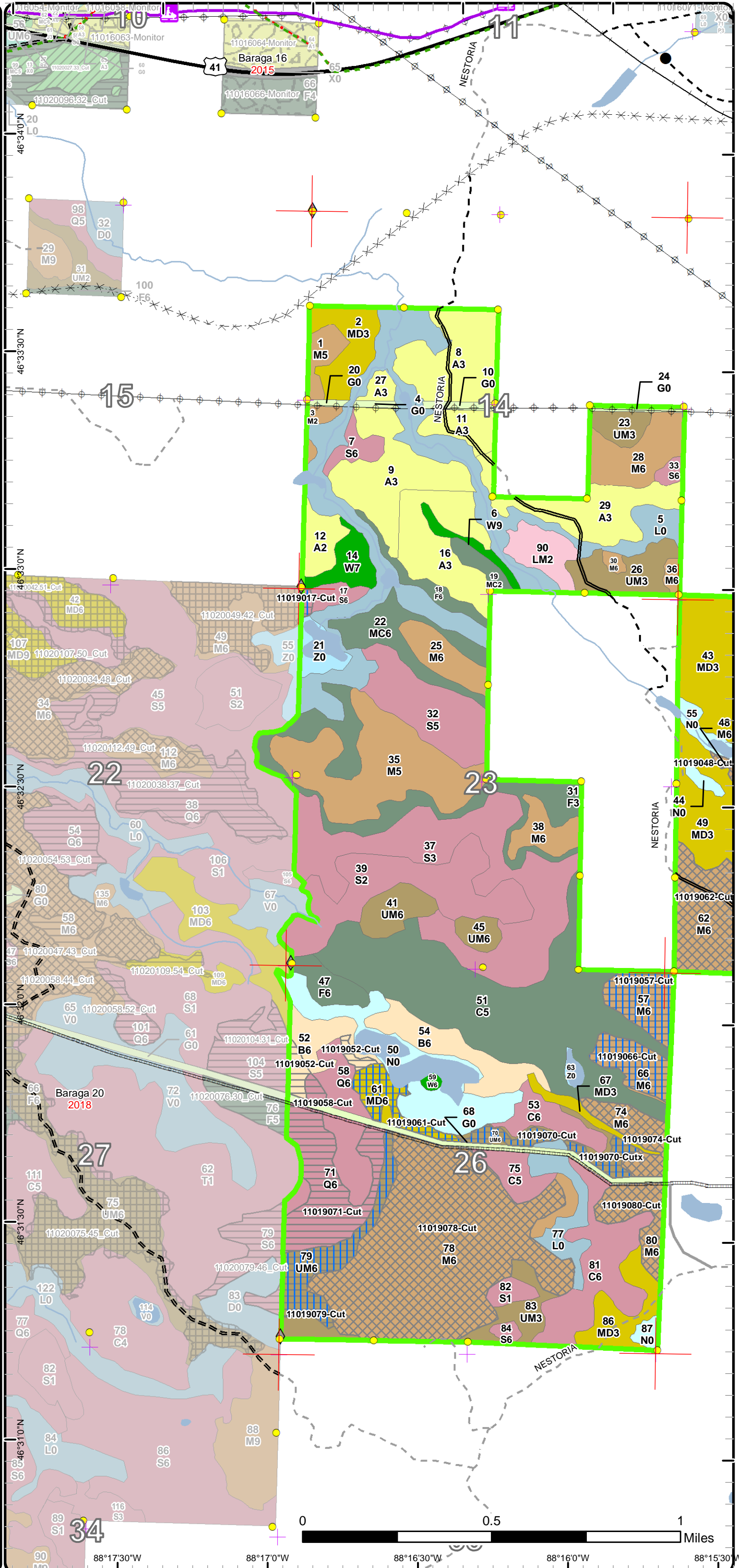


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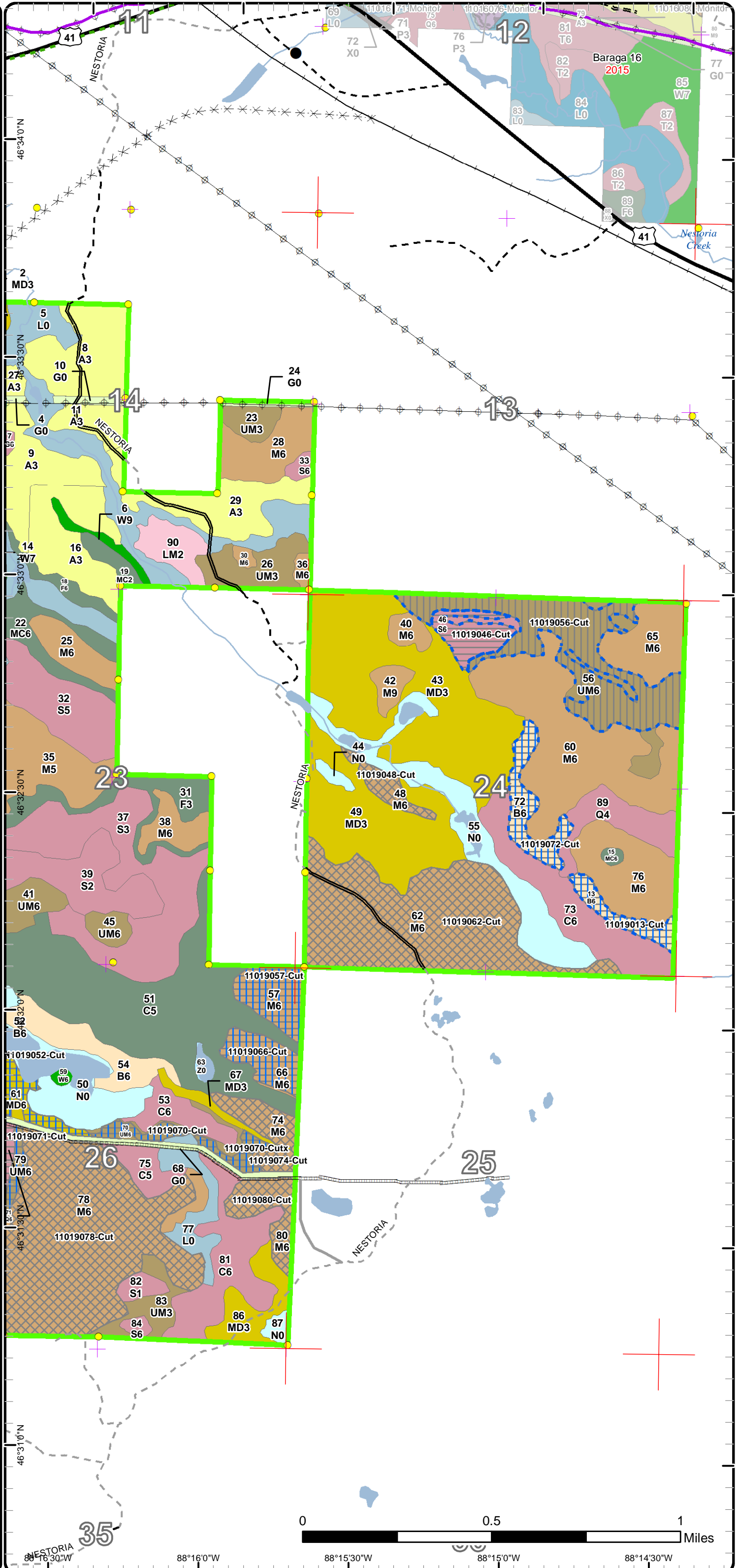
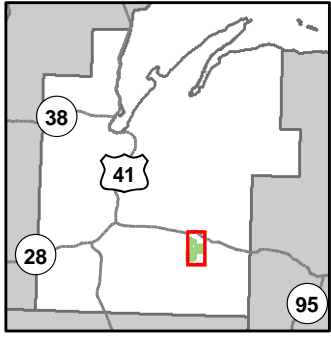


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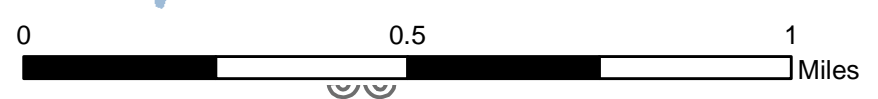


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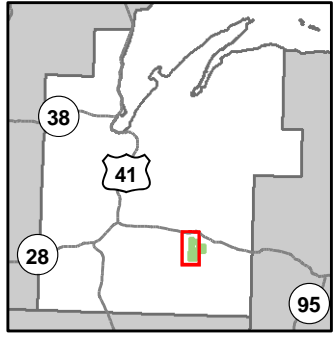
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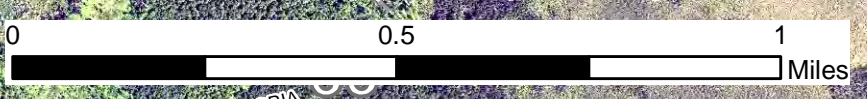
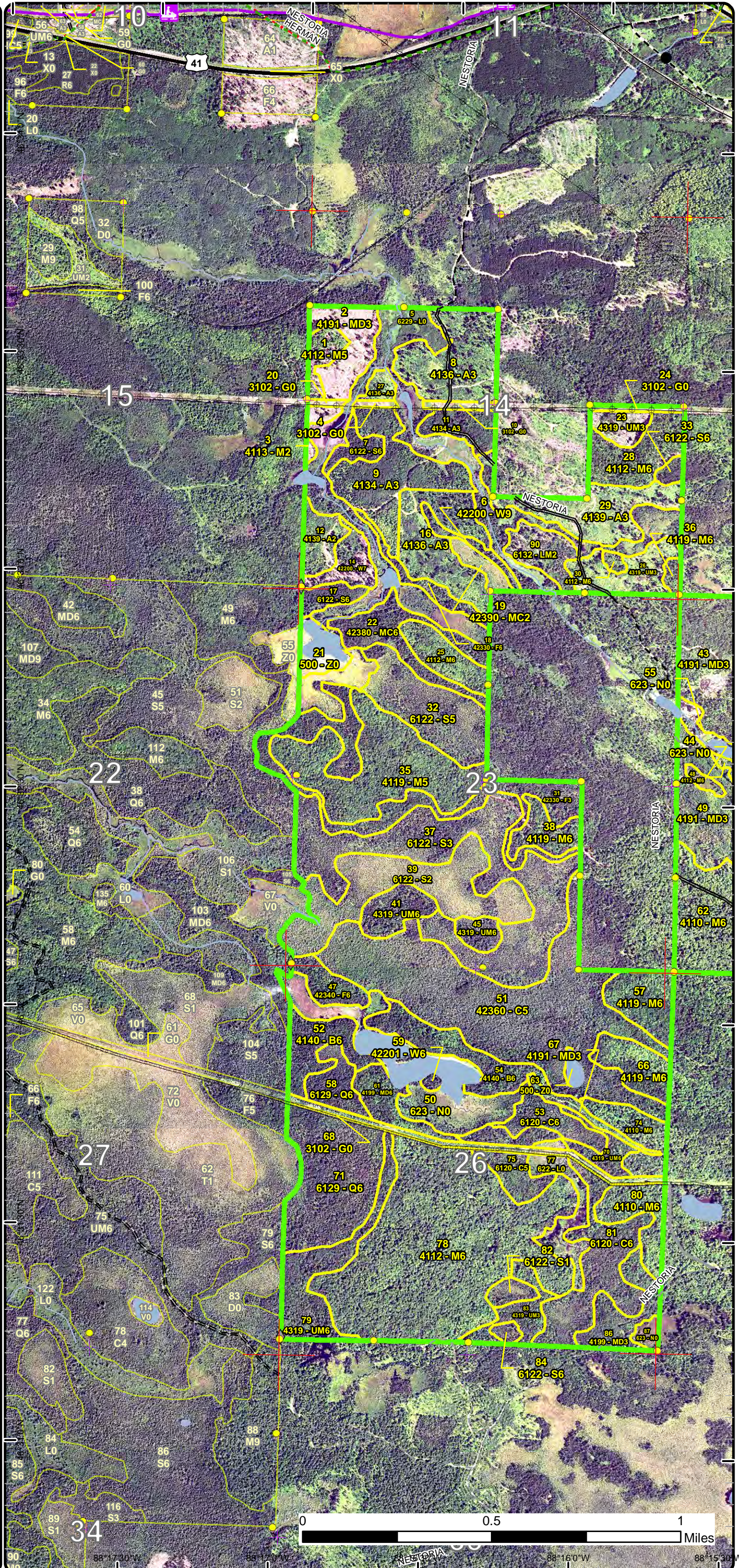
88°16'0"W 88°15'30"W 88°15'0"W 88°14'30"W

# Stand Boundary Map

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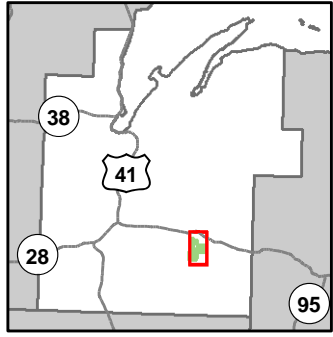
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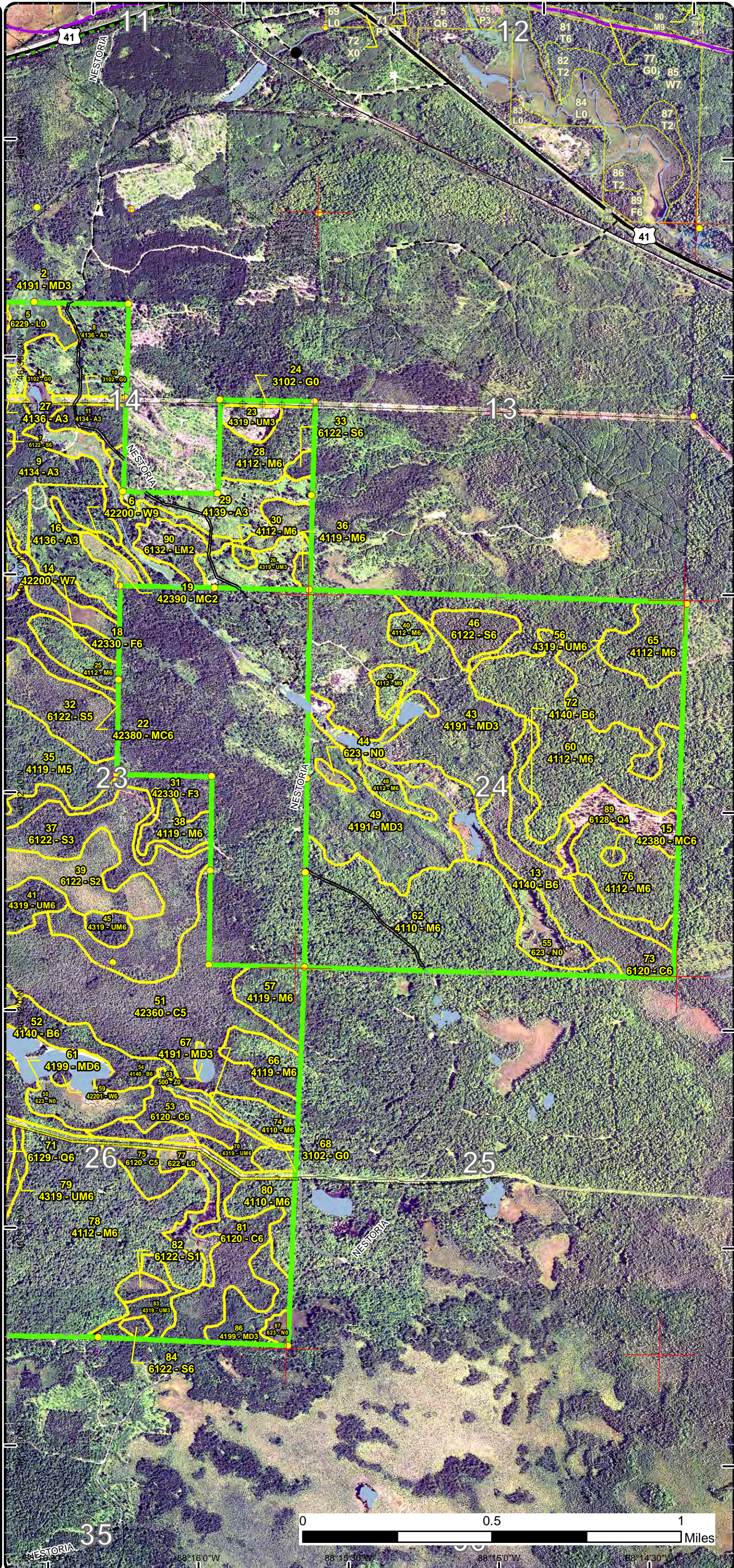
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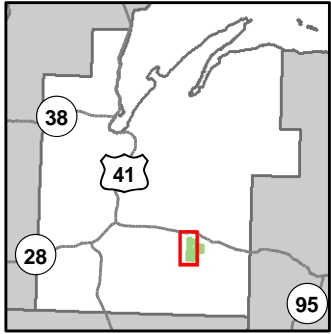
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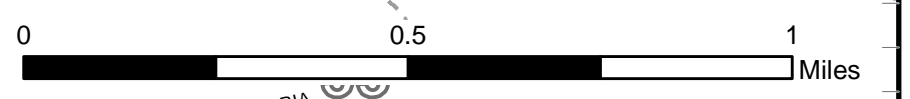
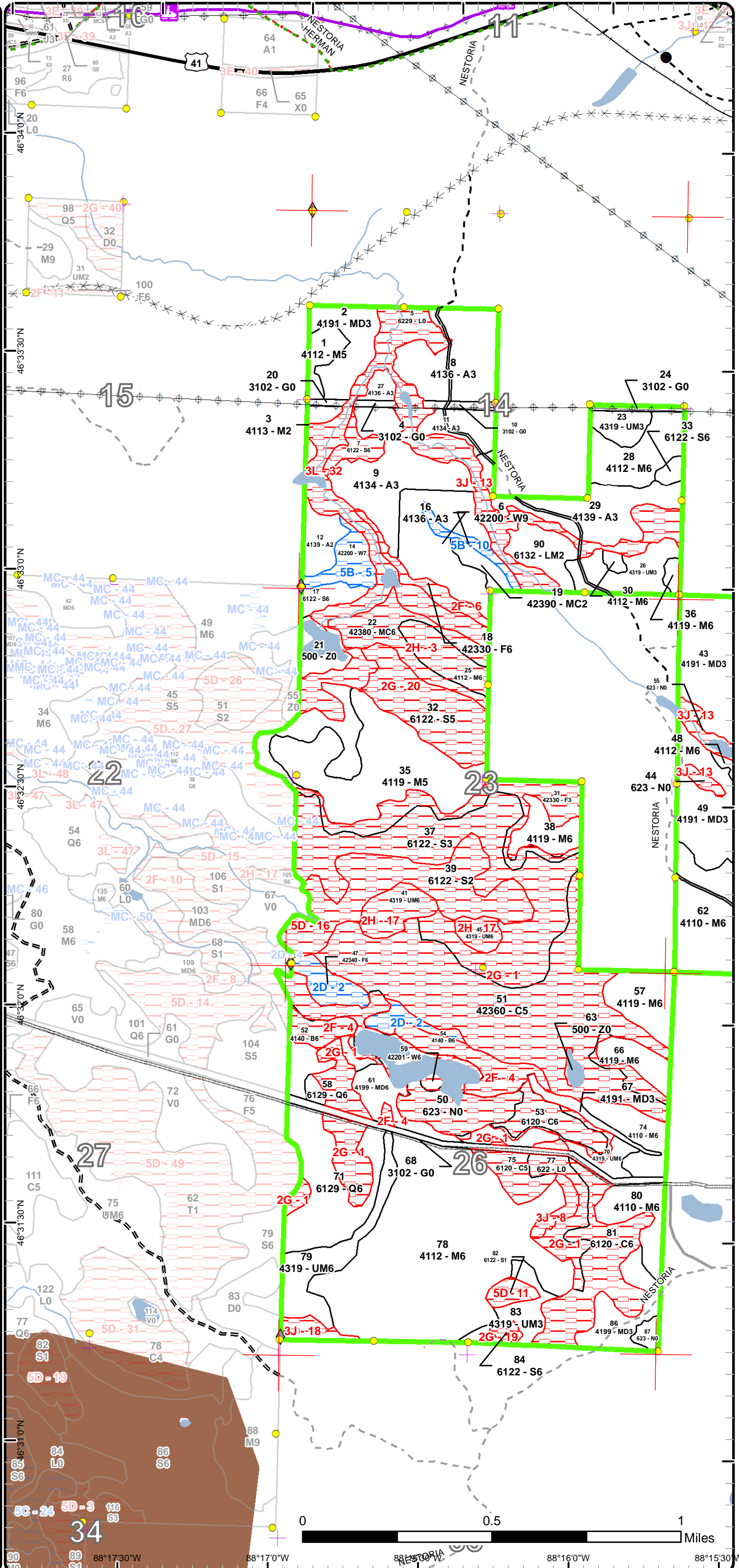
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 5B: Maintain for regeneration purposes
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range

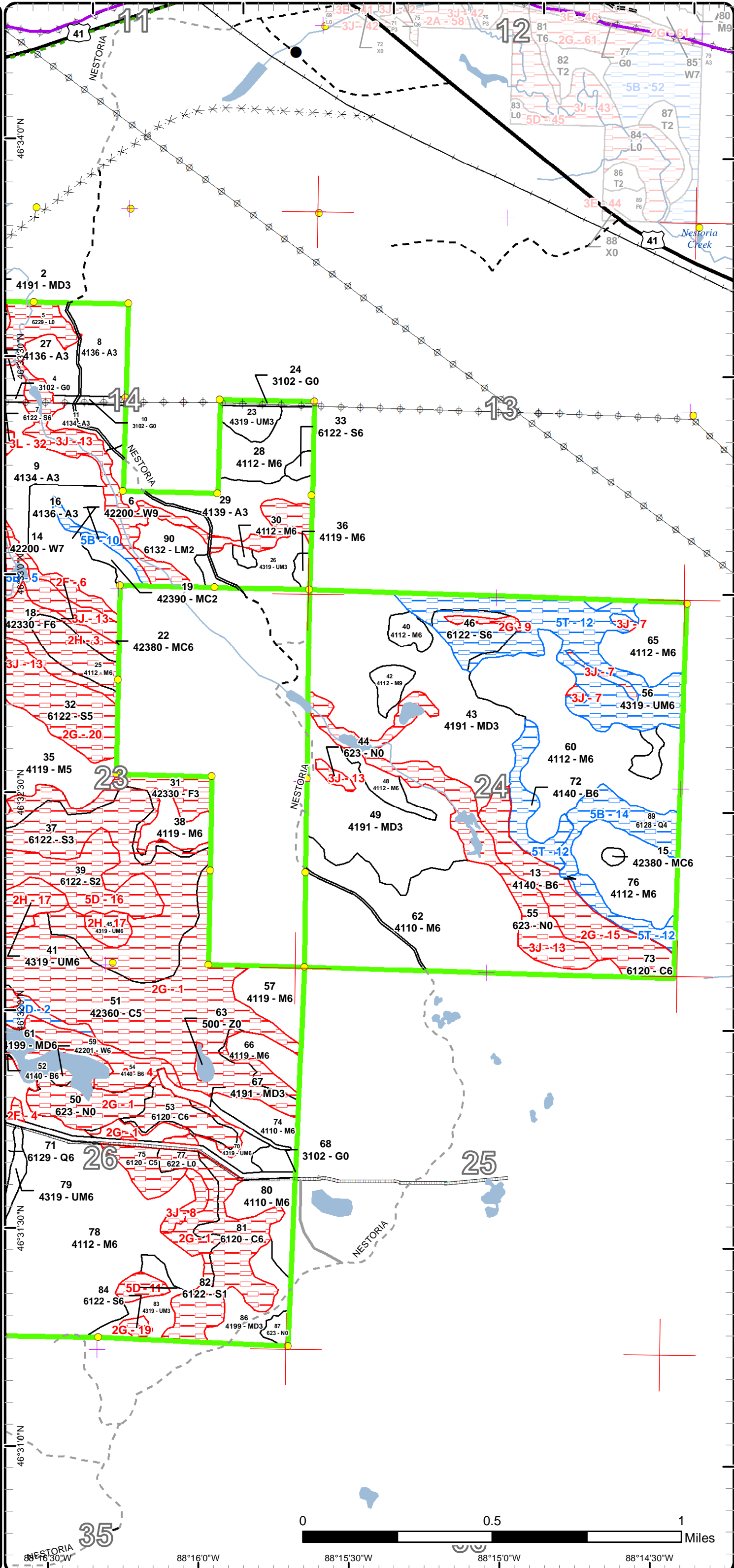
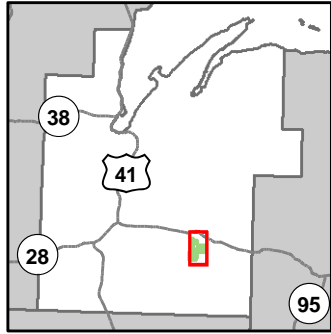


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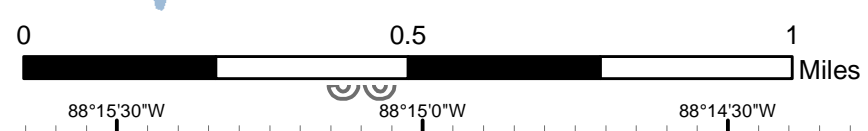


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- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 5B: Maintain for regeneration purposes
- 5T: Contingency Treatment for Forest Health Concerns
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries



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	67	42	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156
Cedar	0	0	0	0	0	0	0	0	0	0	0	37	179	0	0	0	0	0	216
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Conifers	0	0	0	0	0	0	0	0	0	19	0	61	0	0	0	0	0	0	80
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	13
Lowland Shrub	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Lowland Spruce/Fir	0	0	0	0	0	6	0	0	0	42	87	0	73	0	0	0	0	0	207
Marsh	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Mixed Upland Deciduous	0	18	5	177	0	0	0	0	0	0	0	0	0	0	0	0	0	12	212
Northern Hardwood	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	570	577
Paper Birch	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	45	62
Upland Conifers	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	29
Upland Mixed Forest	0	25	0	12	0	0	0	0	0	18	14	0	0	0	0	0	0	96	164
Upland Spruce/Fir	0	0	0	0	0	44	0	0	0	7	0	0	0	0	0	0	0	10	61
Water	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
White Pine	0	0	0	0	0	0	0	0	0	0	11	0	5	0	0	0	2	0	17
<b>Total</b>	<b>239</b>	<b>110</b>	<b>53</b>	<b>236</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>86</b>	<b>129</b>	<b>98</b>	<b>257</b>	<b>13</b>	<b>0</b>	<b>2</b>	<b>756</b>	<b>2033</b>



## Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 19

Total Compartment Acres: 2,031

Commercial Harvest - 391  
 Harvests with Site Condition - 94  
 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	38	0	0	0	0	0	0	0	0	38
Lowland Spruce/Fir	12	0	0	1	0	0	0	0	0	13
Mixed Upland Deciduous	0	0	0	11	0	0	0	0	0	11
Northern Hardwood	0	279	0	30	0	0	0	0	0	309
Paper Birch	6	0	0	23	0	0	0	0	0	29
Upland Mixed Forest	0	0	0	26	59	0	0	0	0	86
<b>Total</b>	<b>56</b>	<b>279</b>	<b>0</b>	<b>92</b>	<b>59</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>486</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	486	0	0	0	0	0	0	0	0	486
Next Step	0	0	0	0	0	0	486	0	0	486
<b>Total</b>	<b>486</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>486</b>	<b>0</b>	<b>0</b>	<b>971</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
13	11019013-Cut	8.4	4140 - Other Upland Deciduous	Poetimber Well	81	111-140	Harvest	Seed Tree with Retention	414 - Other Upland Deciduous	Even-Aged	Approved Proposal

**Habitat Cut: No**      **Site Condition: Contingency Treatment**

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. 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 as well as excluded steep slopes.

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: 10/1 /2020

17	11019017-Cut	1.2	6122 - Black Spruce	Poetimber Well	49	51-80	Harvest	Seed Tree with Retention	613 - Lowland Mixed Forest	Even-Aged	Field Boundary
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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. The conifer that is being reserved in this stand is also being reserved for moose loafing areas.

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: 2 /14/2018

46	11019046-Cut	12.2	6122 - Black Spruce	Poetimber Well	124	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Approved Proposal
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**Habitat Cut: No**      **Site Condition: Contingency Treatment**

Prescription Harvest all species down to 4.6 inches DBH except red oak, hemlock, white pine and cedar if present. 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: 10/1 /2020

48	11019048-Cut	7.4	4112 - Maple, Beech, Cherry Association	Poetimber Well	96	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Approved Proposal
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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/if present. Oak should be released on 3 sides to an average BA of 60 sqft. 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: 10/1 /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
52	11019052-Cut	5.8	4140 - Other Upland Deciduous	Poletimber Well	100	81-110	Harvest	Clearcut with Retention	4140 - Other Upland Deciduous	Even-Aged	Approved 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 combination of the original stand's over story species prior to harvest.  
Regen:

Other  
Comment:

Proposed Start Date: 10/1 /2020

56	11019056-Cut	59.3	4319 - Mixed Upland Forest	Poletimber Well	97	111-140	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	Approved Proposal
----	--------------	------	----------------------------	-----------------	----	---------	---------	-------------	----------------------------	----------	-------------------

**Habitat Cut: No****Site Condition: Contingency Treatment**

Prescription Harvest 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: 10/1 /2020

57	11019057-Cut	16.6	4119 - Mixed Northern Hardwoods	Poletimber Well	85	111-140	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. 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 as well as excluded steep slopes.

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: 10/1 /2020

58	11019058-Cut	2.0	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	112	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Approved 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: 10/1 /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
61	11019061-Cut	11.2	4199 - Other Mixed Upland Deciduous	Poletimber Well	81	81-110	Harvest	Seed Tree with Retention	414 - Other Upland Deciduous	Even-Aged	Approved Proposal

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

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. Also, leave all hemlock, black cherry, cedar, oak and white pine (some  
Specs: reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species as well as excluded steep slopes.

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: 10/1 /2020

62	11019062-Cut	103.1	4110 - Sugar Maple Association	Poletimber Well	81	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Approved Proposal
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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/if present. Oak should be  
Specs: released on 3 sides to an average BA of 60 sqft. 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: 10/1 /2020

66	11019066-Cut	13.7	4119 - Mixed Northern Hardwoods	Poletimber Well	81	141- 170	Harvest	Seed Tree with Retention	414 - Other Upland Deciduous	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. Also, leave all hemlock, black cherry, cedar, oak and white pine (some  
Specs: reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species as well as excluded steep slopes.

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: 10/1 /2020

70	11019070-Cut	4.9	4319 - Mixed Upland Forest	Poletimber Well	102	111- 140	Harvest	Seed Tree with Retention	414 - Other Upland Deciduous	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. Also, leave all hemlock, black cherry, cedar, oak and white pine (some  
Specs: reserve species may not be present in stand). Retention for this stand will be greater than 3% and will consist of reserve tree species as well as excluded steep slopes.

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: 10/1 /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
70	11019070-Cutx	4.9	4319 - Mixed Upland Forest	Poletimber Well	102	111-140	Harvest	Seed Tree with Retention	414 - Other Upland Deciduous	Even-Aged	Approved Proposal

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

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. 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: 10/1 /2020

71	11019071-Cut	35.7	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	112	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Approved 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. The conifer that is being reserved in this stand is also being reserved for moose loafing areas.

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: 10/1 /2020

72	11019072-Cut	14.5	4140 - Other Upland Deciduous	Poletimber Well	81	111-140	Harvest	Seed Tree with Retention	414 - Other Upland Deciduous	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition: Contingency Treatment**

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. 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 as well as excluded steep slopes.

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: 10/1 /2020

74	11019074-Cut	14.6	4110 - Sugar Maple Association	Poletimber Well	84	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Approved Proposal
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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/if present. Oak should be released on 3 sides to an average BA of 60 sqft. 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: 10/1 /2020



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
78	11019078-Cut	138.5	4112 - Maple, Beech, Cherry Association	Poletimber Well	84	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Approved Proposal

**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/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

Comment:

Proposed Start Date: 10/1 /2020

79	11019079-Cut	21.5	4319 - Mixed Upland Forest	Poletimber Well	52	81-110	Harvest	Seed Tree with Retention	414 - Other Upland Deciduous	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Harvest all trees species except, 1-2 leave tree paper birch per acre. 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 as well as excluded steep slopes.

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

Comment:

Proposed Start Date: 10/1 /2020

80	11019080-Cut	15.0	4110 - Sugar Maple Association	Poletimber Well	84	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Approved Proposal
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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/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

Comment:

Proposed Start Date: 10/1 /2020

**Total Treatment  
Acreage Proposed: 490.5**



## Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 19  
Year of Entry: 2021

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
155	155	0	0
216	1	0	215
19	19	0	0
80	38	19	23
13	13	0	0
113	0	0	113
207	9	12	186
96	3	0	93
212	211	0	1
577	555	0	23
62	8	29	24
29	7	0	22
164	73	59	32
61	17	10	34
11	11	0	0
17	0	15	2
2,031	1,119	144	768
	55%	7%	38%

### Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions											
						2D	5B	5T	MC	2F	2G	2H	3J	3L	5D		
155	155	155	0	0	Aspen												
216	1	1	0	215	Cedar	0				0	215						
19	19	19	0	0	Herbaceous Openland												
80	38	38	19	23	Lowland Conifers		19			0	23						
13	13	13	0	0	Lowland Mixed Forest												
113	0	0	0	113	Lowland Shrub						15		98				
207	9	9	12	186	Lowland Spruce/Fir			12	0		125			7		55	
96	3	3	0	93	Marsh	0				0	45		49				
212	211	211	0	1	Mixed Upland Deciduous					1	0						
577	555	555	0	23	Northern Hardwood						5	13	4				0
62	8	8	29	24	Paper Birch	6		23		23	1						
29	7	7	0	22	Upland Conifers							22					
164	73	73	59	32	Upland Mixed Forest			59			4	18	10				0
61	17	17	10	34	Upland Spruce/Fir	10				7	27						
11	11	11	0	0	Water				0								
17	0	0	15	2	White Pine		15				2						
2,031	1,119	1,119	144	768	Total Forested Acres	16	34	94	0	32	461	53	161	7		55	
			7%	38%	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
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	387	5D: Unproductive Forest Land	3J: Water quality / BMPs (stream, river, or lake)	3L: Other wildlife concerns	Unspecified
<b>Comments:</b>							
mix of stands and forest types generally to wet and heavy to cedar areas of small (old) non-merchantable black spruce.							

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 19  
Year of Entry: 2021

2	<b>Available</b>	<b>2D: Portable Bridge Needed (Dept. bridge will be adequate)</b>	16	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	35	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2F: Too steep</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2F: Too steep</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 19  
Year of Entry: 2021

8	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	4	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> wet ash drainage							
10	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Available</b>	<b>5T: Contingency Treatment for Forest Health Concerns</b>	94	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	147	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 19  
Year of Entry: 2021

14	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	37	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	51	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>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 19  
Year of Entry: 2021

20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	Unavailable	3L: Other wildlife concerns	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Moose thermal refuge area.							

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

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## 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 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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
1	4112 - Maple, Beech, Cherry Association	Poletimber Medium	7.3	83	51-80	N/A	Cut as part of AWOL Mix 11-003-11-01																																	
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>60</td> <td>Pole/Log</td> <td>8</td> <td>83</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	60	Pole/Log	8	83	Red Maple	20	Pole/Log	8				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Full</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>	Canopy Species	Density	Avg. Height	Size	Sugar Maple	Full	Variable	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																				
Sugar Maple	60	Pole/Log	8	83																																				
Red Maple	20	Pole/Log	8																																					
Canopy Species	Density	Avg. Height	Size																																					
Sugar Maple	Full	Variable	Sapling																																					
2	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	18.1	4	1-50	N/A	Cut as part of AWOL Mix 11-003-11-01																																	
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>45</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Quaking Aspen</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	45	Sapling	1	4	Quaking Aspen	20	Sapling	1		Balsam Fir	10	Sapling	1																			
Canopy Species	% Cover	Size Class	DBH	Age																																				
Red Maple	45	Sapling	1	4																																				
Quaking Aspen	20	Sapling	1																																					
Balsam Fir	10	Sapling	1																																					
3	4113 - R.Maple, Conifer	Sapling Medium	3.3	4	1-50	N/A	Cut as part of AWOL Mix 11-003-11-01																																	
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>50</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>XLog</td> <td>26</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	50	Sapling	1	4	Balsam Fir	15	Sapling	2		White Pine	10	XLog	26		Black Cherry	10	Sapling	1														
Canopy Species	% Cover	Size Class	DBH	Age																																				
Red Maple	50	Sapling	1	4																																				
Balsam Fir	15	Sapling	2																																					
White Pine	10	XLog	26																																					
Black Cherry	10	Sapling	1																																					
4	3102 - Grass	Nonstocked	1.3		Unspecified	No	power line																																	
5	6229 - Mixed lowland shrub	Nonstocked	98.0		Unspecified	No																																		
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6	42200 - Natural White Pine	Sawtimber Well	4.6	125	81-110	N/A	steep white pine ridge, part of Cozy Block. Cut in 2003																																	
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7	6122 - Black Spruce	Poletimber Well	6.5	99	81-110	N/A	Retain stand for a moose loafing area until adjacent stands to the west regenerate enough to provide cover.																																	
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12	4139 - Aspen, Mixed Deciduous	Sapling Medium	10.0	15	Unspecified	N/A	Cozy Block, cut in 2004																																										
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13	4140 - Other Upland Deciduous	Poletimber Well	8.4	81	111-140	N/A	last cut in 1993																																										
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18	42330 - Upland Fir	Poletimber Well	7.4	99	51-80	N/A	creek edge, buffer zone																																														
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22	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	21.7	65	81-110	N/A																																																									
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23	4319 - Mixed Upland Forest	Sapling Well	7.4	5	Immature	N/A	cut as part of Pancake Mix 11-004-11-01																																																								
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24	3102 - Grass	Nonstocked	2.4		Unspecified	No	power line																																																								
25	4112 - Maple, Beech, Cherry Association	Poletimber Well	13.4	101	111-140	N/A																																																									
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26	4319 - Mixed Upland Forest	Sapling Well	17.1	5	1-50	N/A	portion of stand west of road was cut in 2004, the rest of stand was cut as part of Pancake Mix 11-004-11-01																																																								
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27	4136 - Aspen, Mixed Conifer	Sapling Well	3.5	5	Immature	N/A	Cut as part of AWOL Mix 11-003-11-01																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**28** 4112 - Maple, Beech, Cherry Association Poletimber Well 20.9 79 81-110 N/A cut as part of Pancake Mix 11-004-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	78	Pole	7	79	Sugar Maple	Full	Variable	Sapling
Red Maple	10	Pole	6		Balsam Fir	High	10 - 20 feet	Sapling
					Ironwood	Medium	>20 feet	Sapling

**29** 4139 - Aspen, Mixed Deciduous Sapling Well 29.8 5 1-50 N/A cut as part of Pancake Mix 11-004-11-01

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	6	Sapling	1	
Red Maple	25	Sapling	1	5
Quaking Aspen	45	Sapling	1	5
Balsam Fir	10	Sapling	1	
White Pine	7	XLog	22	

**30** 4112 - Maple, Beech, Cherry Association Poletimber Well 1.7 79 81-110 N/A cut as part of Pancake Mix 11-004-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Pole	6	79	Sugar Maple	Full	Variable	Sapling
Red Maple	15	Pole	6		Balsam Fir	High	>20 feet	Sapling
White Pine	10	XLog	22					

**31** 42330 - Upland Fir Sapling Well 43.9 41 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Fir	60	Sapling/Pole	4	41	Balsam Fir	Full	10 - 20 feet	Sapling
Black Spruce	30	Sapling/Pole	4		White Spruce	Full	10 - 20 feet	Sapling

**32** 6122 - Black Spruce Poletimber Medium 33.2 99 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	80	Pole	5	99	Black Spruce	High	10 - 20 feet	Sapling
Northern White Cedar	10	Pole	5		Northern White Cedar	Low	5 - 10 feet	Sapling
Tamarack	8	Sapling/Pole	3		Tamarack	Medium	10 - 20 feet	Sapling

**33** 6122 - Black Spruce Poletimber Well 2.6 96 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	95	Pole	6	96	Black Spruce	High	>20 feet	Sapling
					Tamarack	Low	>20 feet	Sapling
					White Pine	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>35</b>	4119 - Mixed Northern Hardwoods	Poletimber Medium	58.8	73	51-80	N/A	Cut in 2016, Tech Hardwood.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Sugar Maple		68	Pole/Log	9	73	Sugar Maple	Full	Variable	Sapling
Paper Birch		15	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
						White Spruce	Medium	Variable	Sapling
						Black Cherry	Low	Variable	Sapling
<b>36</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	2.4	79	81-110	N/A	cut as part of Pancake Mix 11-004-11-01		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Sugar Maple		40	Pole/Log	8	79	Sugar Maple	Full	Variable	Sapling
Red Maple		25	Pole/Log/Sap	7		Balsam Fir	Full	>20 feet	Sapling
Yellow Birch		10	Pole/Log	8					
White Pine		10	XLog	22					
<b>37</b>	6122 - Black Spruce	Sapling Well	87.2	103	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		65	Sapling/Pole	4	103	Red Maple	Low	Variable	Sapling
Northern White Cedar		10	Sapling/Pole	4		Balsam Fir	High	>20 feet	Sapling
Tamarack		15	Pole	5		Black Spruce	High	>20 feet	Sapling
						Northern White Cedar	Low	5 - 10 feet	Sapling
						Tag Alder	Full	10 - 20 feet	Tall Shrub
						Leatherleaf	Full	< 5 feet	Tall Shrub
<b>38</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	11.0	72	81-110	N/A	Look to clearcut this stand in the next entry.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Sugar Maple		53	Pole/Log	8	72	Sugar Maple	Full	Variable	Sapling
Red Maple		10	Pole	5		Balsam Fir	Low	>20 feet	Sapling
Paper Birch		30	Pole/Log	9		White Spruce	Low	>20 feet	Sapling
<b>39</b>	6122 - Black Spruce	Sapling Medium	50.5	124	171-200	N/A	Cut 2015, Tech Hardwoods.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		30	Sapling/Pole	4	124	Northern White Cedar	Full	5 - 10 feet	Sapling
Black Spruce		70	Sapling/Pole	4	124	Tag Alder	Full	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**40** 4112 - Maple, Beech, Cherry Association Poletimber Well 5.5 81 81-110 N/A cut as part of Handcrew Hardwoods 11-006-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	74	Pole/Log	9	81	Sugar Maple	Full	Variable	Sapling
Red Maple	20	Pole/Log	9		Red Maple	Full	Variable	Sapling
					Balsam Fir	High	10 - 20 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling
					Ironwood	High	10 - 20 feet	Sapling

**41** 4319 - Mixed Upland Forest Poletimber Well 12.1 99 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7		Balsam Fir	High	Variable	Sapling
Paper Birch	30	Pole	6		Balsam Fir	Full	>20 feet	Pole
White Spruce	10	Pole/Log	8		White Spruce	Full	>20 feet	Pole
White Pine	45	XLog	20	99	White Pine	High	10 - 20 feet	Sapling

**42** 4112 - Maple, Beech, Cherry Association Sawtimber Well 5.9 81 81-110 N/A cut as part of Handcrew Hardwoods 11-006-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	72	Log/Pole/XLog	10	81	Sugar Maple	Full	Variable	Sapling
Red Maple	20	Log/Pole/XLog	10		Red Maple	High	Variable	Sapling
					Balsam Fir	High	10 - 20 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling
					Ironwood	Medium	10 - 20 feet	Sapling

**43** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 102.1 26 1-50 N/A stand cut as part of sale Cloud Scrape Pulp 11-013-91-01

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	26
Paper Birch	20	Sapling	3	26
Quaking Aspen	26	Sapling	3	26
Balsam Fir	20	Sapling/Pole	4	26

**44** 623 - Emergent Wetland Nonstocked 2.3 Unspecified No

**45** 4319 - Mixed Upland Forest Poletimber Well 5.8 99 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7		Red Maple	High	Variable	Sapling
Paper Birch	30	Pole	6		Balsam Fir	Full	>20 feet	Pole
White Spruce	10	Pole/Log	8		White Spruce	Full	>20 feet	Pole
White Pine	45	XLog	20	99	White Pine	High	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**46** 6122 - Black Spruce Poletimber Well 14.4 124 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	55	Pole	6	124	Leatherleaf	Full	< 5 feet	Tall Shrub
Tamarack	15	Pole	6		Northern White Cedar	Medium	Variable	Sapling
Balsam Fir	7	Pole/Sapling	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	15	Pole	6		Balsam Fir	Medium	Variable	Sapling
					Red Maple	Low	Variable	Sapling

**47** 42340 - Upland Spruce/Fir Poletimber Well 9.6 46 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Paper Birch	20	Pole	5		Balsam Fir	Full	>20 feet	Sapling
Balsam Fir	45	Pole/Sapling	5	46	White Spruce	Full	>20 feet	Sapling
White Spruce	20	Sapling/Pole	5					
White Pine	10	XLog	20					

**48** 4112 - Maple, Beech, Cherry Association Poletimber Well 7.4 96 81-110 N/A steep slope

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log/Pole	10	96	Sugar Maple	Full	Variable	Sapling
Red Maple	25	Log/Pole	10		Red Maple	Full	Variable	Sapling
					Balsam Fir	Medium	5 - 10 feet	Sapling
					Ironwood	Low	5 - 10 feet	Sapling

**49** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 58.8 26 1-50 N/A Tam Birch, cut in 1993, 11-16-91-01

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	2	26	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	20	Sapling	2	26				
Quaking Aspen	30	Sapling	2	26				
Balsam Fir	20	Sapling	3	26				

**50** 623 - Emergent Wetland Nonstocked 44.7 Unspecified No

**51** 42360 - Upland Cedar Poletimber Medium 121.4 124 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	6		Northern White Cedar	Full	10 - 20 feet	Sapling
Northern White Cedar	78	Pole	6	124	Tag Alder	Full	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**52** 4140 - Other Upland Deciduous Poletimber Well 16.7 100 81-110 N/A OI 1919, steep ridges

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7		Red Maple	Full	>20 feet	Pole
Paper Birch	60	Pole/Log	9	100	Balsam Fir	Full	>20 feet	Pole
White Spruce	10	Log	10		White Spruce	Full	>20 feet	Pole
Balsam Fir	10	Pole	6					

**53** 6120 - Lowland Cedar Poletimber Well 12.3 124 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	6		Northern White Cedar	Full	10 - 20 feet	Sapling
Northern White Cedar	78	Pole	6	124	Tag Alder	Full	10 - 20 feet	Tall Shrub
					Leatherleaf	Full	< 5 feet	Tall Shrub

**54** 4140 - Other Upland Deciduous Poletimber Well 21.9 100 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	6		Balsam Fir	Full	>20 feet	Pole
Paper Birch	70	Pole	7	100	White Spruce	Full	>20 feet	Pole

**55** 623 - Emergent Wetland Nonstocked 46.3 Unspecified No

**56** 4319 - Mixed Upland Forest Poletimber Well 69.0 97 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	6		Sugar Maple	High	Variable	Sapling
Red Maple	20	Pole/Log	9		Red Maple	Full	Variable	Sapling
Yellow Birch	10	Log/Pole	11		Balsam Fir	High	Variable	Sapling
Balsam Fir	10	Pole	6		White Spruce	Medium	Variable	Sapling
Northern White Cedar	10	Pole	6		White Pine	Low	5 - 10 feet	Sapling
Hemlock	25	Log	16	97	Hemlock	High	Variable	Sapling
					Red Oak	Low	Variable	Sapling

**57** 4119 - Mixed Northern Hardwoods Poletimber Well 16.6 85 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	Pole/Log	9	85	Sugar Maple	Full	Variable	Sapling
Red Maple	20	Pole/Log	8		Red Maple	Full	Variable	Sapling
Yellow Birch	10	Pole	7		Yellow Birch	Low	>20 feet	Sapling
Paper Birch	20	Pole	6		Paper Birch	Medium	>20 feet	Sapling
Balsam Fir	10	Pole/Sapling	5		Balsam Fir	Full	>20 feet	Sapling
					Black Ash	Medium	>20 feet	Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**58** 6129 - Mixed Coniferous Lowland Forest Poletimber Well 11.4 112 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	4		Red Maple	Low	10 - 20 feet	Sapling
Black Spruce	30	Pole	6		Paper Birch	Low	>20 feet	Sapling
Northern White Cedar	40	Pole	7	112	Balsam Fir	Full	10 - 20 feet	Sapling
Tamarack	15	Pole	6		Black Spruce	Full	10 - 20 feet	Sapling
					Tag Alder	Full	10 - 20 feet	Tall Shrub

**59** 42201 - Natural White Pine, Mixed Deciduous Poletimber Well 1.5 210 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7		Balsam Fir	Full	>20 feet	Pole
Paper Birch	20	Pole	7		White Spruce	Full	>20 feet	Pole
White Pine	65	XLog	20	210	White Pine	Full	>20 feet	Pole

**60** 4112 - Maple, Beech, Cherry Association Poletimber Well 78.9 88 81-110 N/A

stand cut as part of sale Nestoria Hardwoods 11-005-92-01 and part of Handcrew Hardwoods 11-006-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	72	Pole/Log	9	88	Sugar Maple	High	Variable	Sapling
Red Maple	15	Pole/Log	9		Red Maple	Medium	Variable	Sapling
					Balsam Fir	Medium	10 - 20 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling
					Ironwood	High	10 - 20 feet	Sapling

**61** 4199 - Other Mixed Upland Deciduous Poletimber Well 12.2 81 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Log/Pole	10	81	Sugar Maple	Full	Variable	Sapling
Red Maple	10	Pole/Log	8		Balsam Fir	High	>20 feet	Pole
Paper Birch	30	Pole/Log	9		White Pine	Low	10 - 20 feet	Sapling
Balsam Fir	7	Pole	6					

**62** 4110 - Sugar Maple Association Poletimber Well 103.1 81 111-140 N/A

Couch King Hdwd, cut in 2003, also blow dwn salvage in 2004

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	90	Log/Pole	10	81	Sugar Maple	Full	Variable	Sapling
					Balsam Fir	Medium	10 - 20 feet	Sapling
					Ironwood	Low	10 - 20 feet	Sapling

**63** 500 - Water Nonstocked 1.8 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**65** 4112 - Maple, Beech, Cherry Association Poletimber Well 22.8 88 81-110 N/A stand cut as part of sale Nestoria Hardwoods 11-005-92-01 and part of Handcrew Hardwoods 11-006-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	72	Pole/Log	8	88	Sugar Maple	Full	Variable	Sapling
Red Maple	20	Pole/Log	8		Red Maple	Full	Variable	Sapling
					Balsam Fir	High	10 - 20 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling
					Ironwood	High	10 - 20 feet	Sapling

**66** 4119 - Mixed Northern Hardwoods Poletimber Well 14.1 81 141-170 N/A Good WP regen, Part on Gas Line HDWD but was never cut

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Sapling	7	81	Sugar Maple	Full	Variable	Sapling
Red Maple	30	Pole	6		Balsam Fir	Full	>20 feet	Sapling
Paper Birch	20	Pole	6		White Spruce	High	>20 feet	Sapling
					Northern White Cedar	Low	>20 feet	Pole
					White Pine	High	5 - 10 feet	Sapling
					Ironwood	Low	>20 feet	Sapling

**67** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 5.0 16 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	35	Sapling	1	16
Red Maple	15	Sapling	1	16
Paper Birch	10	Sapling	1	16
Balsam Fir	23	Sapling	1	16
Black Cherry	8	Sapling	1	

**68** 3102 - Grass Nonstocked 11.2 Unspecified No

**70** 4319 - Mixed Upland Forest Poletimber Well 14.0 102 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Fir	25	Sapling/Pole	4		Northern White Cedar	Full	10 - 20 feet	Sapling
Black Spruce	10	Pole	6		Tag Alder	Full	10 - 20 feet	Tall Shrub
White Pine	10	XLog/Log	18		Leatherleaf	Full	< 5 feet	Tall Shrub
Paper Birch	30	Pole/Log	8	102				
Red Maple	20	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	49.7	112	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Balsam Fir		10	Pole/Sapling	6		Red Maple	
Black Spruce		30	Pole	8		Paper Birch	
Northern White Cedar		35	Pole/Log	8	112	Balsam Fir	
Tamarack		15	Pole/Log	9		Black Spruce	
						Tag Alder	
						Density	
						Avg. Height	
						Size	
						Low	
						10 - 20 feet	
						Sapling	
						Low	
						>20 feet	
						Pole	
						Full	
						10 - 20 feet	
						Sapling	
						Full	
						10 - 20 feet	
						Sapling	
						Full	
						10 - 20 feet	
						Tall Shrub	
72	4140 - Other Upland Deciduous	Poletimber Well	14.5	81	111-140	N/A	last cut in 1993
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Red Maple		15	Pole	6		Sugar Maple	
Paper Birch		62	Pole/Log/Sap	7	81	Balsam Fir	
						Northern White Cedar	
						White Spruce	
						Full	
						Variable	
						Sapling	
						High	
						10 - 20 feet	
						Sapling	
						Medium	
						Variable	
						Sapling	
						High	
						Variable	
						Sapling	
73	6120 - Lowland Cedar	Poletimber Well	37.3	114	Unspecified	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Northern White Cedar		95	Pole	6	114	Balsam Fir	
						Medium	
						10 - 20 feet	
						Sapling	
74	4110 - Sugar Maple Association	Poletimber Well	14.6	84	111-140	N/A	Gas Line Hdwd 2003
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Sugar Maple		80	Log/Pole	12	84	Sugar Maple	
Red Maple		10	Pole/Log	9		Balsam Fir	
						Full	
						Variable	
						Sapling	
						Low	
						5 - 10 feet	
						Sapling	
75	6120 - Lowland Cedar	Poletimber Medium	9.8	124	1-50	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Black Spruce		10	Pole	6		Northern White Cedar	
Northern White Cedar		78	Pole	6	124	Tag Alder	
						Full	
						>20 feet	
						Sapling	
						Full	
						10 - 20 feet	
						Tall Shrub	
76	4112 - Maple, Beech, Cherry Association	Poletimber Well	31.7	88	81-110	N/A	cut as part of Handcrew Hardwoods 11-006-11-01 heavy moose brows on regeneration
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Sugar Maple		74	Pole/Log	9	88	Red Maple	
Red Maple		16	Pole/Log	9		Balsam Fir	
						Ironwood	
						Low	
						Variable	
						Sapling	
						Low	
						Variable	
						Sapling	
77	622 - Lowland Shrub	Nonstocked	14.6		Unspecified	No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>78</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	142.9	84	111-140	N/A	Gas Line Hdwd 2003
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Sugar Maple		73	Log/Pole	14	84	Sugar Maple	
Red Maple		10	Log/Pole	11		Balsam Fir	
						Density	
						Avg. Height	
						Size	
						Sugar Maple	
						Full	
						Variable	
						Sapling	
						Low	
						10 - 20 feet	
						Sapling	
<b>79</b>	4319 - Mixed Upland Forest	Poletimber Well	27.0	52	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Sugar Maple		20	Sapling/Pole	3		Sugar Maple	
Red Maple		10	Pole	6		Balsam Fir	
Paper Birch		28	Pole/Log	8	52	Full	
Balsam Fir		25	Sapling/Pole	3		Variable	
Northern White Cedar		15	Pole	5		>20 feet	
						Sapling	
<b>80</b>	4110 - Sugar Maple Association	Poletimber Well	15.0	84	111-140	N/A	cut as part of Gas Line hdwd 2003
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Sugar Maple		78	Log/Pole	10	84	Sugar Maple	
Red Maple		10	Pole/Log	8		Balsam Fir	
						Full	
						Variable	
						Sapling	
						Low	
						10 - 20 feet	
						Sapling	
<b>81</b>	6120 - Lowland Cedar	Poletimber Well	35.2	124	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Black Spruce		15	Pole	6		Northern White Cedar	
Northern White Cedar		71	Pole	6	124	High	
Tamarack		10	Pole	6		5 - 10 feet	
						Sapling	
						High	
						10 - 20 feet	
						Tall Shrub	
<b>82</b>	6122 - Black Spruce	Sapling Poor	4.7	124	Unspecified	N/A	Std not visited during 2019 inventory cycle
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Black Spruce		60	Sapling	2	124	Leatherleaf	
Tamarack		40	Sapling	1		Full	
						< 5 feet	
						Tall Shrub	
<b>83</b>	4319 - Mixed Upland Forest	Sapling Well	11.5	26	1-50	N/A	stand cut as part of sale Birch Maze 11-007-91-01
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	
Sugar Maple		30	Sapling	2	26		
Red Maple		10	Sapling	2	26		
Quaking Aspen		10	Sapling	3	26		
Balsam Fir		30	Pole/Sapling	5	26		
Tamarack		8	Sapling	2	26		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>84</b>	6122 - Black Spruce	Poletimber Well	2.2	124	81-110	N/A																																														
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<b>86</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	16.4	26	1-50	N/A	stand cut as part of sale Birch Maze 11-007-91-01																																													
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<b>87</b>	623 - Emergent Wetland	Nonstocked	3.0		Unspecified	No																																														
<b>89</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	18.7	98	1-50	N/A	cut as part of Handcrew Hardwoods 11-006-11-01																																													
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<b>90</b>	6132 - Mixed Lowland Forest with Cedar	Sapling Medium	12.9	134	1-50	N/A	cut as part of Pancake Mix 11-004-11-01 east 1/2 cut in 2004																																													
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