



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11028

Entry Year 2020

Acreage: 3,127

County Baraga

Management Area: Covington-Ned Lake

Revision Date: 2018-03-07

Stand Examiner: Fred Hansen

Legal Description:

Covington Township
T47N, R34W, Sections 9, 10, 11, 14, 15, 16, 25, 26, 27, 35 and 36.

Identified Planning Goals:

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

Soil and topography:

This land is level to rolling. Soils: Upland soils are Champion cobbly silt loams, Michigamme cobbly silt loams, Net gravelly silt loam, and Amasa fine sand. Lowland soils are Carbondale and Tacoosh mucks, Whitbeck fine sandy loam.

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

The surrounding lands are a mix of industrial forest and small private landowners. Industrial lands are managed for timber. The small private ownerships are primarily used for recreational purposes.

Unique Natural Features:

MNFI recognizes the potential for bald eagle, osprey, common loon, great-blue heron rookery, red-shouldered hawk, goshawk, moose, gray wolf and for wood turtle (along riparian edges).

Archeological, Historical, and Cultural Features:

None.

Special Management Designations or Considerations:

BMP guidelines should be followed around the intermittent streams.

Watershed and Fisheries Considerations:

The Net River is within the compartment. The Net River flooding – a wildlife impoundment is in the south end of the compartment.

Wildlife Habitat Considerations:

The Net River Flooding is an impoundment for waterfowl; it should be drawn-down early in the next 10-year period to oxidize accumulated bottom sediments. Consider retention of a buffer of uncut conifers adjacent to ponds and lakes for summer thermoregulatory cover for moose, where possible. Favor mesic conifers (White Pine and Hemlock) and Northern Red Oak.

Mineral Resource and Development Concerns and/or Restrictions

The Richardson and Ford Road gravel pits are located just to the northwest of the compartment. The latter is currently leased to the county road commission, and the former is operated by Payne & Dolan. There may be some gravel potential within the compartment on uplands and where bedrock is not at the surface. If there has been metallic mineral exploration in the area, the information has not become public record yet. All of the state-owned mineral rights in the area were recently leased by Eagle Mine, LLC. Prior to that, Rio Tinto held leases in the area. There is no economic oil and gas production in the UP.

Vehicle Access:

There are forest roads throughout the compartment that connect to the Ford Road to the West and Highway 141 to the East. The roads in the compartment are rough. Some haul roads will have to be either improved or developed.

Survey Needs:

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

Recreational Facilities and Opportunities:

Boating Access Site No. A-07-026 is located at the Net River Flooding (boat launch ramp, 8 parking spaces, and vault toilet). The area gets some small game, deer hunting and fishing use.

Fire Protection:

Historically this has not been a fire prone area. Lightening has been the cause of a few fires that have occurred in this area.

Additional Compartment Information:

The following reports from the Inventory are attached:

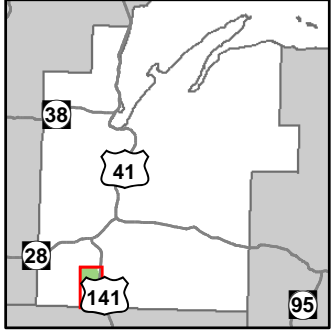
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

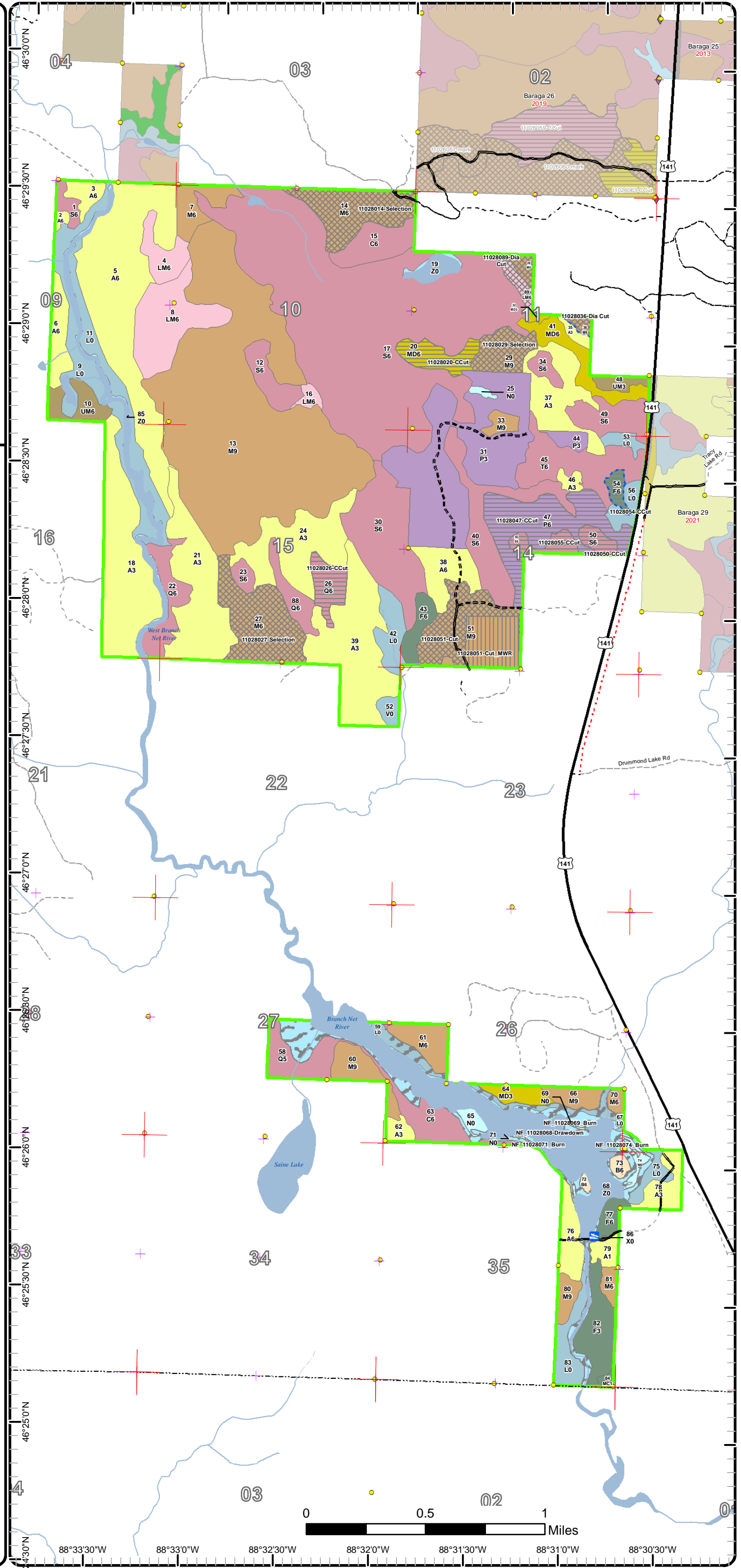
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 28
 T47NR34W, Sec. 09-11, 14-16,
 22, 25-27, 35, 36
 County: Baraga
 Unit: Baraga
 Mgmt Area: Covington-Ned Lake
 YOE: 2020
 Acres: 3,127 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 4/19/2019
 Map Phase: Post Review



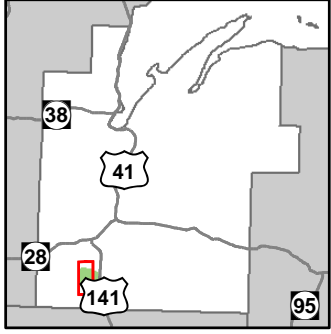
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Prescribed Burn
- Shelter Wood (w/Reserves)
- Water Level Management
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
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- 430 - Upland Mixed Forest
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- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



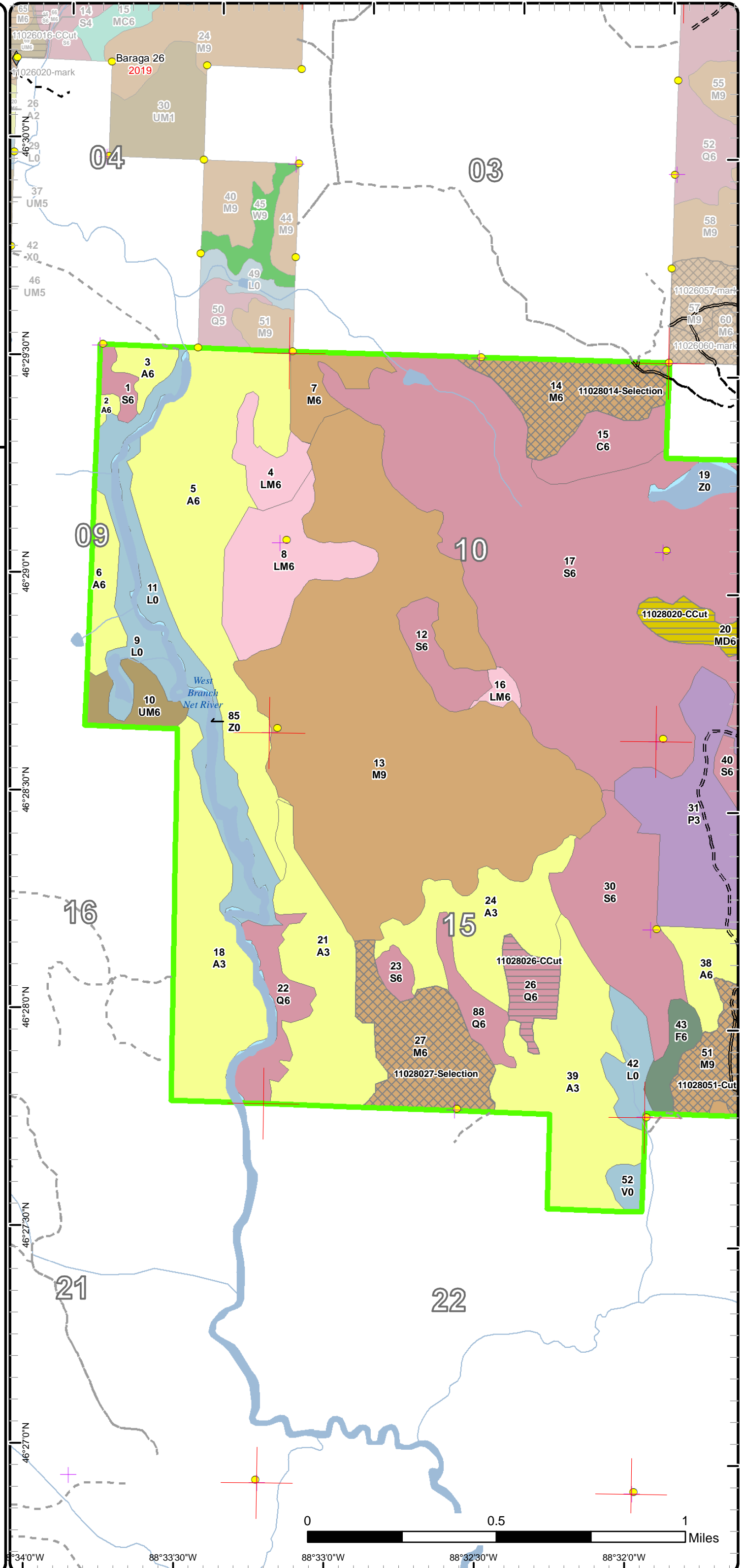
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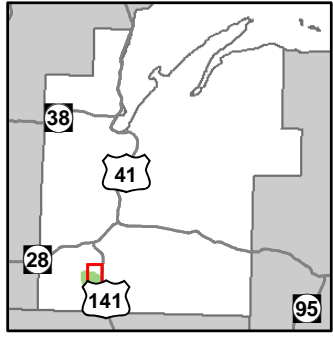


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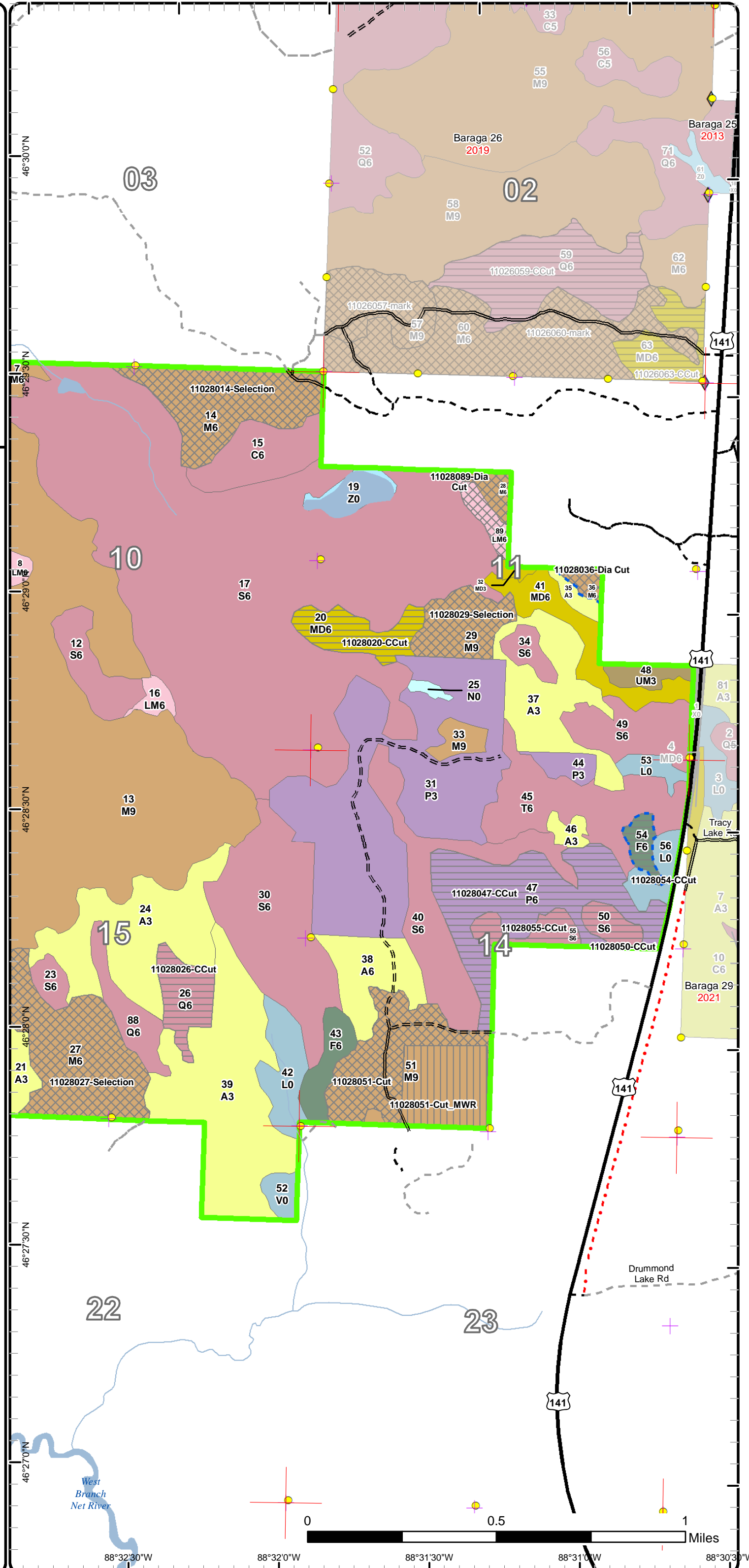


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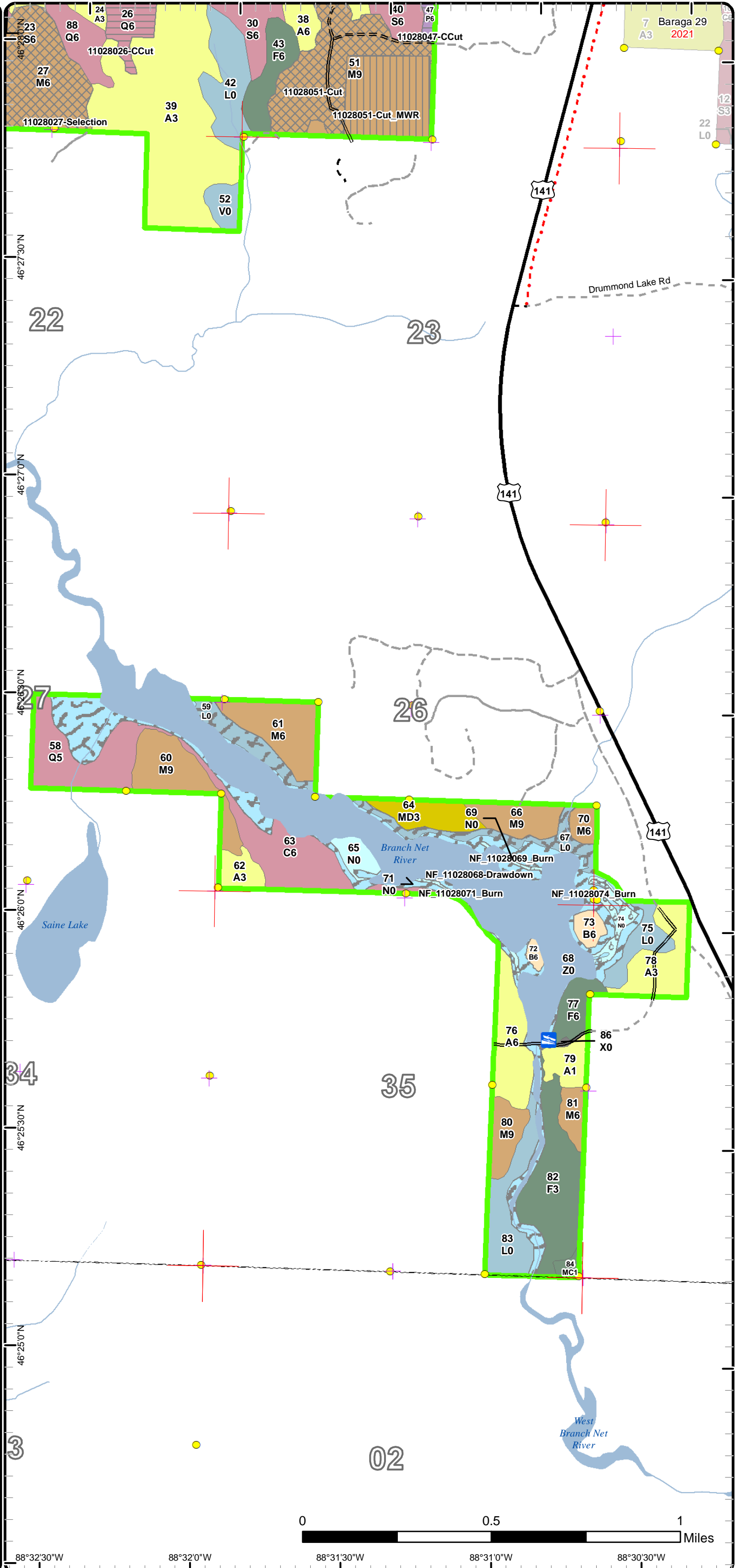
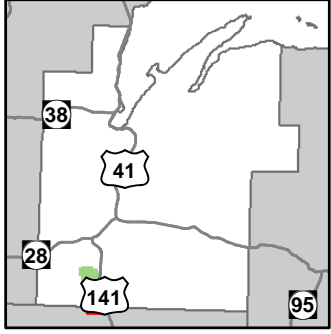


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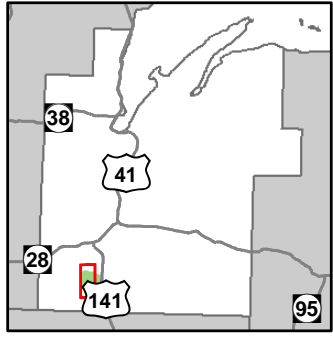
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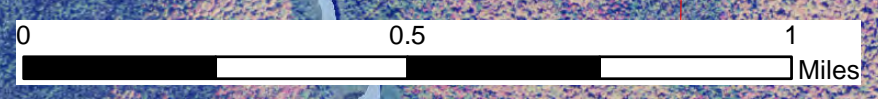
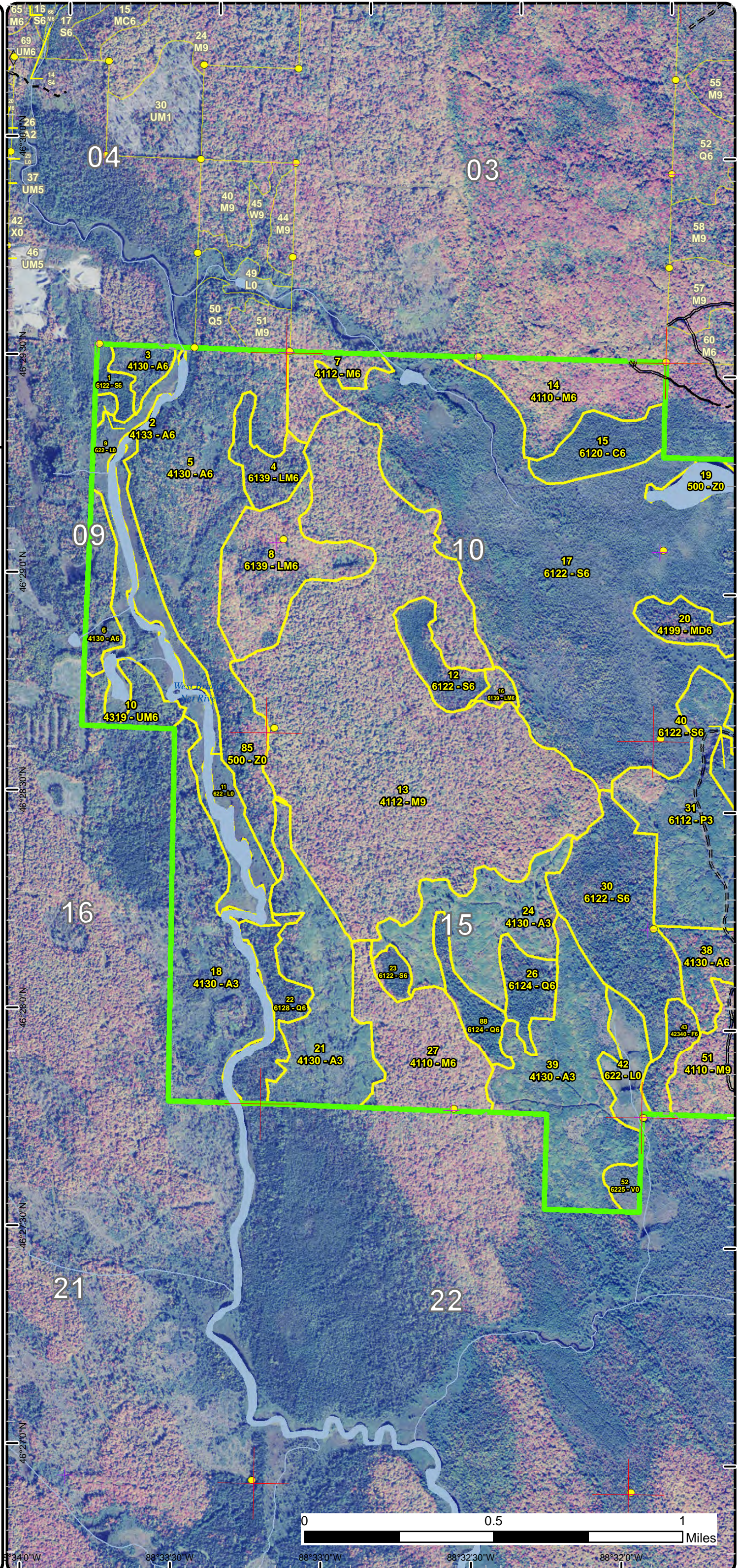
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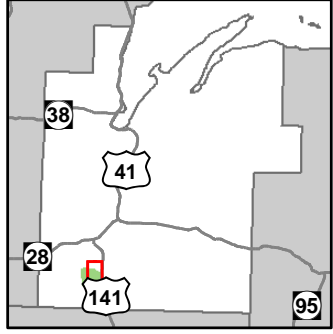
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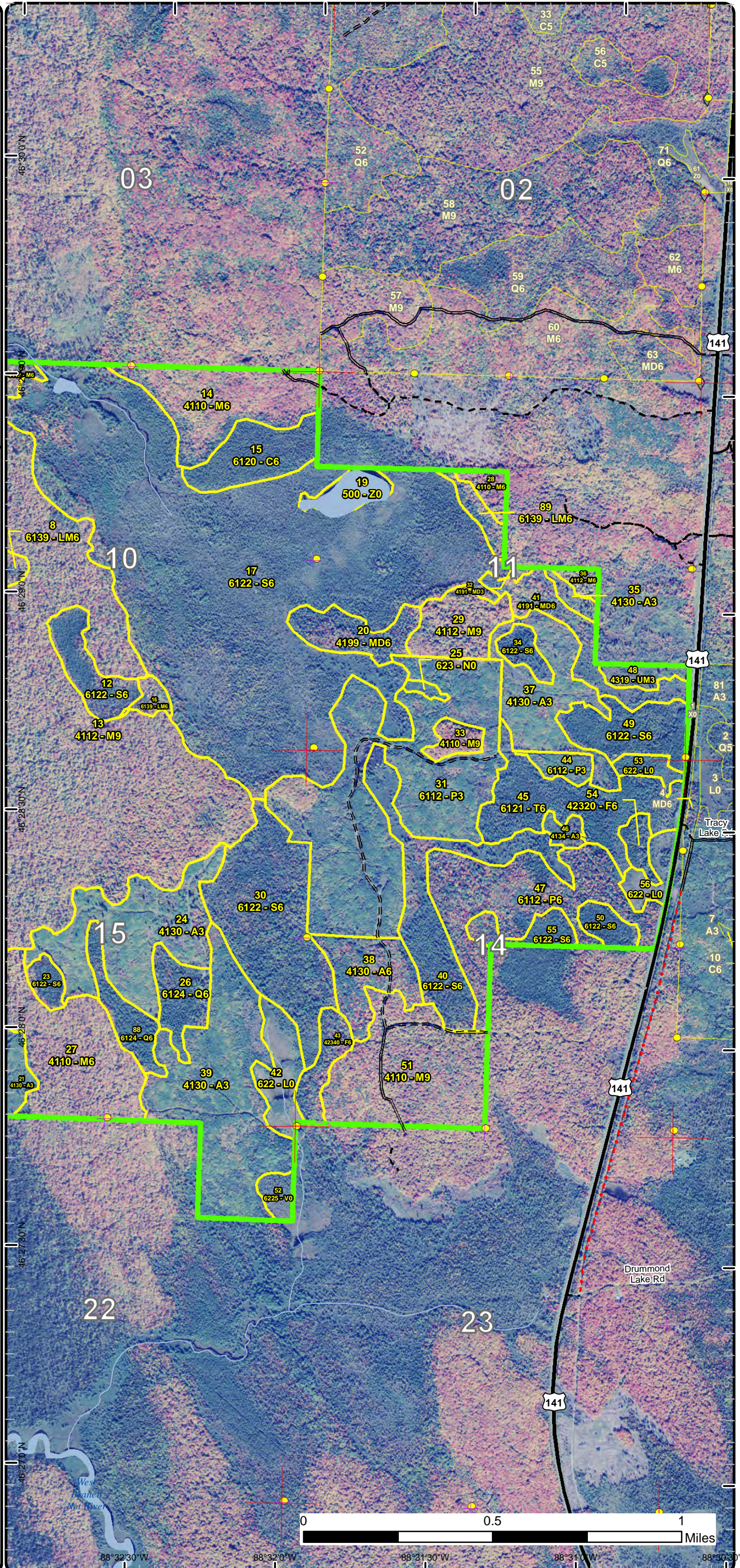
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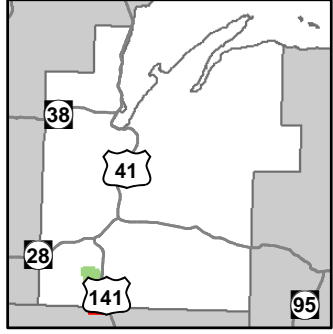


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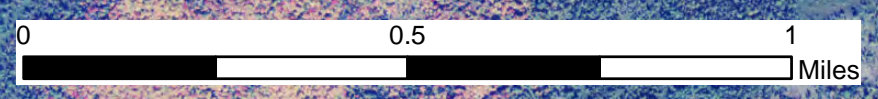
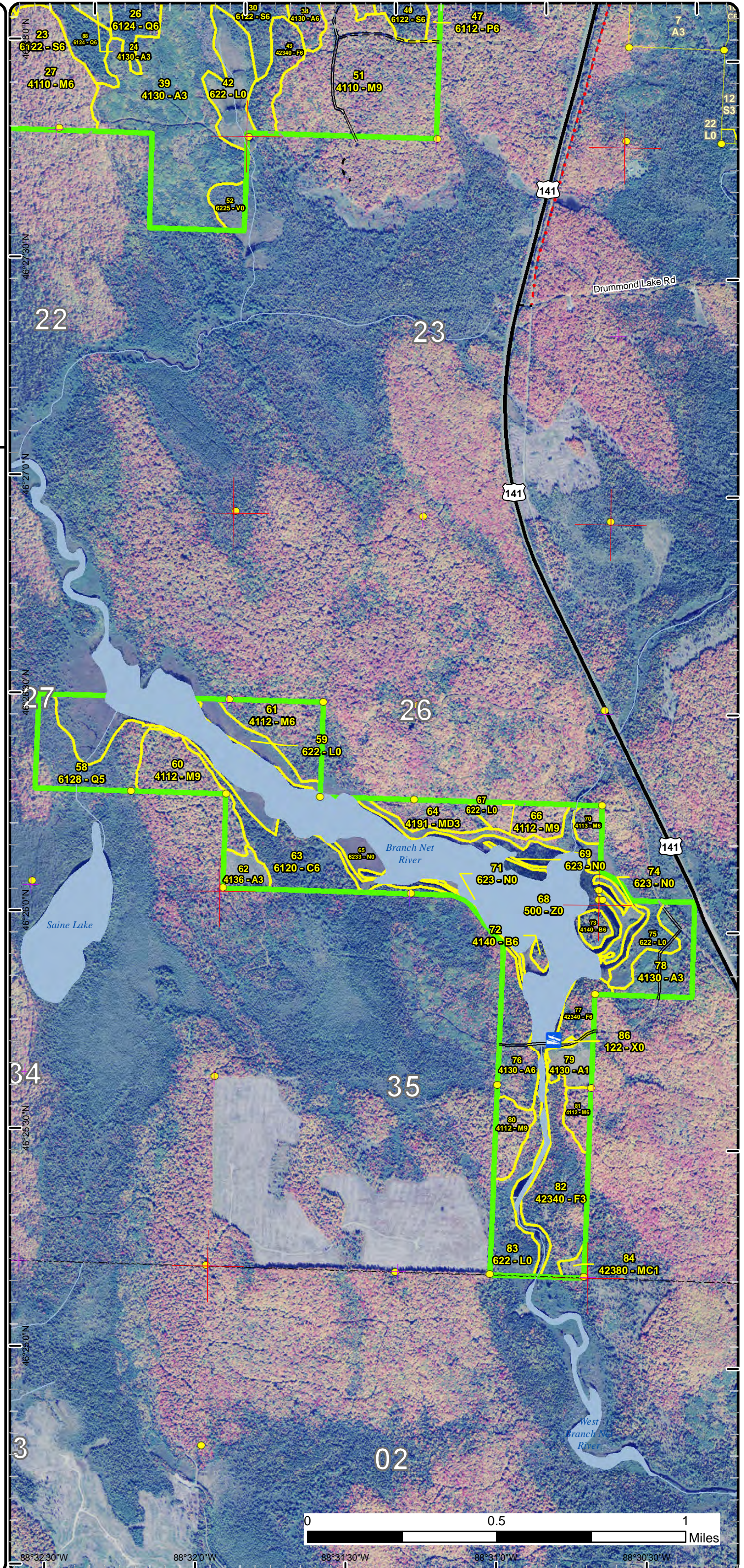


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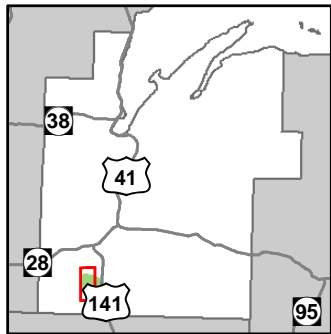
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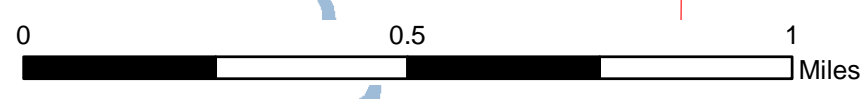
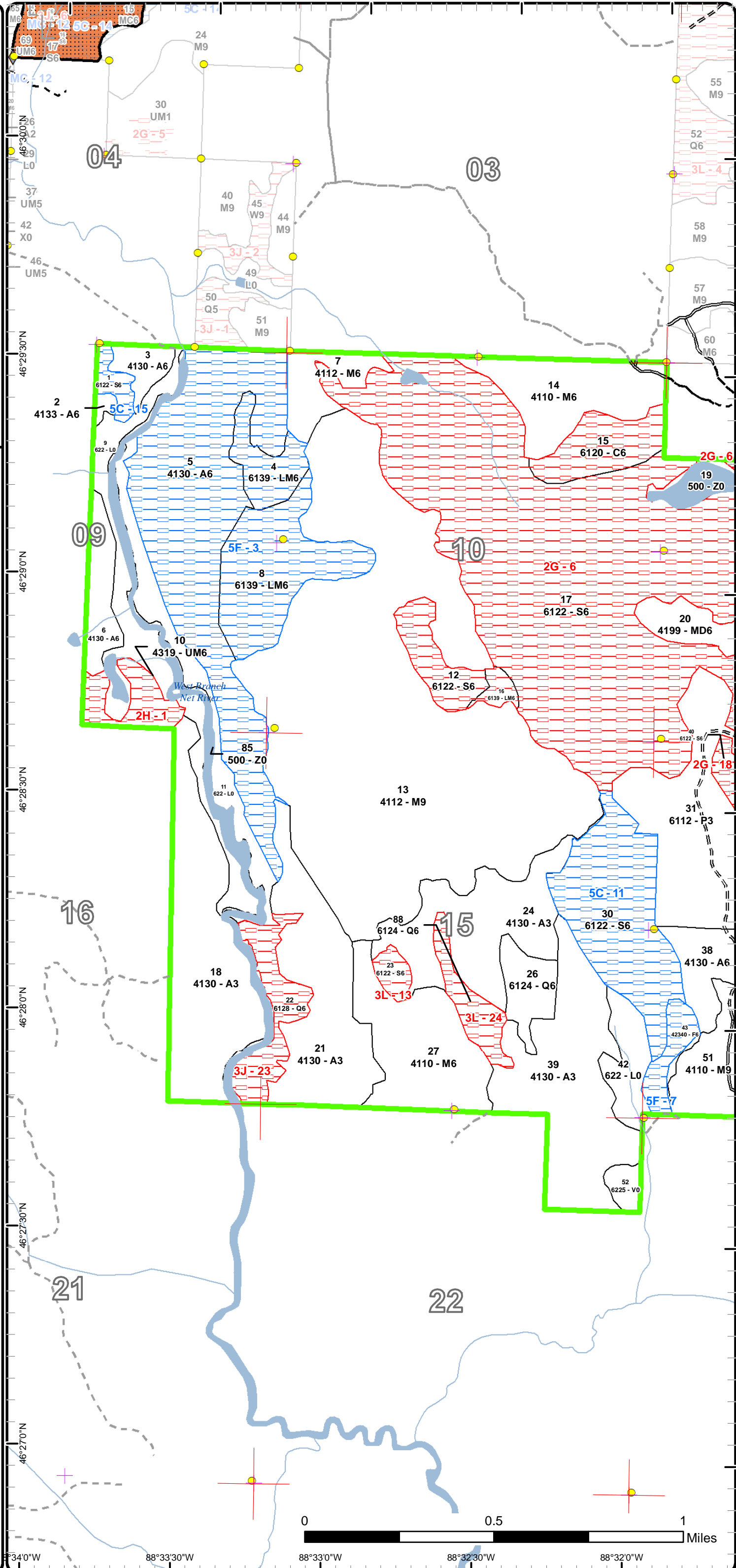
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Special Conservation Areas & Site Conditions Map

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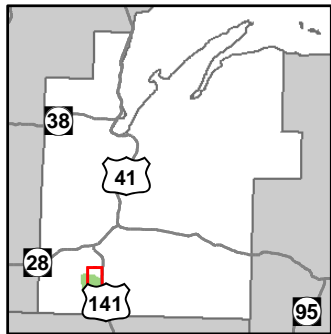
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Other Habitat Area



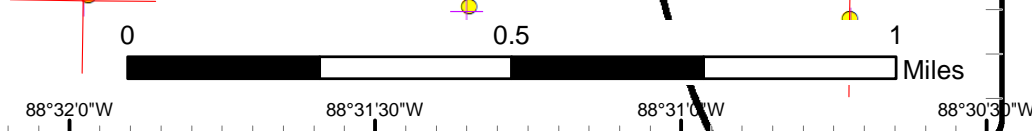
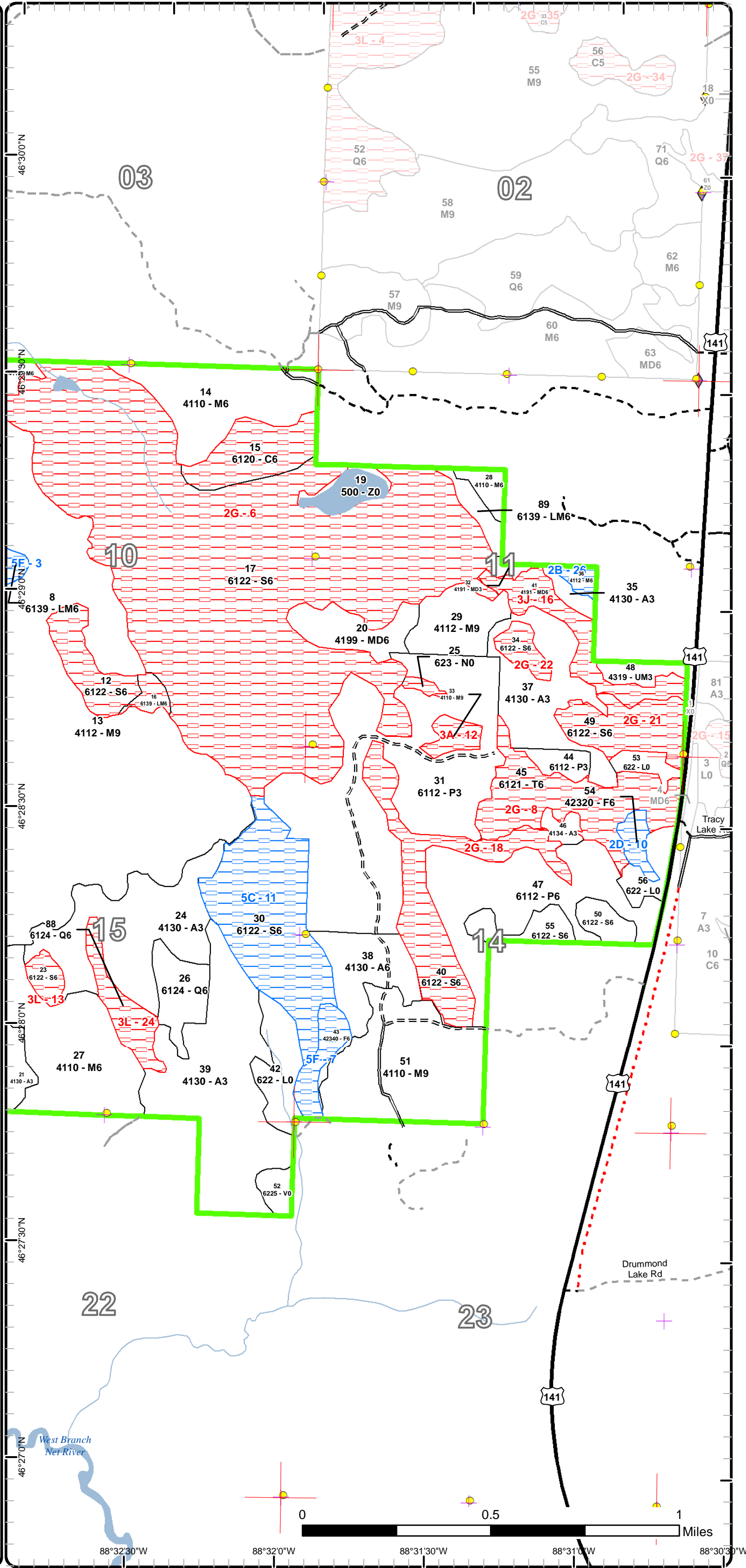
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- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes



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	15	305	101	238	0	0	0	0	0	0	0	0	0	0	0	0	0	658
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Cedar	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	28	57
Lowland Aspen/Balsam Poplar	0	0	0	161	0	0	71	0	0	0	0	0	0	0	0	0	0	0	232
Lowland Conifers	0	0	0	0	0	0	0	27	34	27	0	0	0	0	0	0	0	0	88
Lowland Mixed Forest	0	0	0	0	0	25	60	0	7	0	0	0	0	0	0	0	0	0	91
Lowland Shrub	176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176
Lowland Spruce/Fir	0	0	0	0	0	0	0	8	87	563	0	0	0	0	0	0	0	0	658
Marsh	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Mixed Upland Deciduous	0	0	14	0	0	0	0	21	0	0	0	0	0	0	0	0	0	26	61
Northern Hardwood	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	724	728
Paper Birch	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Tamarack	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	52
Upland Conifers	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	8	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	26
Upland Spruce/Fir	0	0	0	0	42	0	0	20	0	0	0	0	0	0	0	0	0	0	62
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208
Total	408	17	327	262	280	0	96	64	100	180	590	29	0	0	0	0	0	778	3129



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 28

Total Compartment Acres: 3,127

Commercial Harvest - 353
 Harvests with Site Condition - 11
 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 Aspen/Balsam Poplar	71	0	0	0	0	0	0	0	0	71
Lowland Conifers	18	0	0	0	0	0	0	0	0	18
Lowland Mixed Forest	0	7	0	0	0	0	0	0	0	7
Lowland Spruce/Fir	19	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	21	0	0	0	0	0	0	0	0	21
Northern Hardwood	0	190	0	0	31	0	0	0	0	221
Upland Spruce/Fir	7	0	0	0	0	0	0	0	0	7
Total	135	197	0	0	31	0	0	0	0	364

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	364	0	0	0	9	0	0	0	195	567
Next Step	0	0	0	0	0	0	333	31	9	373
Total	364	0	0	0	9	0	333	31	204	940



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
14	11028014-Selection	51.0	4110 - Sugar Maple Association	Poletimber Well	84	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal - Approval Pending Edits

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 Stand 60 and its adjacent prescribed stands in compartment 26 will be moved to this YOE.
Comment: Retention: 3-10% BA will be the retention for this stand.

Proposed Start Date: 10/1 /2019

20	11028020-CCut	20.7	4199 - Other Mixed Upland Deciduous	Poletimber Well	71	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Uneven-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Harvest all species down to 4.6 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.

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

Proposed Start Date: 10/1 /2019

26	11028026-CCut	17.8	6124 - Lowland Spruce-Fir	Poletimber Well	83	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Harvest all species down to 2 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

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

Other Retention for this stand will be greater than 3% and will consist of reserve tree species.
Comment:

Proposed Start Date: 10/1 /2019

27	11028027-Selection	61.8	4110 - Sugar Maple Association	Poletimber Well	78	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal - Approval Pending Edits
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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 Some scattered blowdown.
Comment: Retention: 3-10% BA will be the retention for this stand.

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
28	11028028-Dia Cut	6.6	4110 - Sugar Maple Association	Poletimber Well	81	81-110	Harvest	Group Selection	4319 - Mixed Upland Forest	Two-Aged	Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Diameter harvest all species except sugar maple, red maple and yellow birch that are 10" DBH and smaller. Also, all cedar, white pine, hemlock and oak are to be retained. Leave tree mark 1 to 2 potential hardwood legacy trees (20"+ DBH) per acre.

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 No red line needed between stand 28 and 89 for harvest purposes.

Comment: Retention: 3-10% BA will be the retention for this stand. Along, with the reserve trees.

Proposed Start Date: 10/1 /2019

29	11028029-Selection	23.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	68	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal - Approval Pending Edits
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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 Poor quality hardwoods. Lots of aspen whips in stand. BA is low on edge. Poor access.

Comment: Retention: 3-10% BA will be the retention for this stand.

Proposed Start Date: 10/1 /2019

36	11028036-Dia Cut	4.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	82	81-110	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition: Unknown Access**

Prescription Diameter harvest all species except sugar maple, red maple and yellow birch that are 10" DBH and smaller. Also, all cedar, white pine, hemlock and oak are to be retained. Leave tree mark 1 to 2 potential hardwood legacy trees (20"+ DBH) per acre.

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 Unknown Pvt Access.

Comment: Retention: 3-10% BA will be the retention for this stand. Along, with the reserve trees.

Proposed Start Date: 10/1 /2019

47	11028047-CCut	70.8	6112 - Lowland Aspen	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Harvest all species down to 4.6 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.

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

Comment:

Proposed Start Date: 10/1 /2019



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
50	11028050-CCut	8.4	6122 - Black Spruce	Poletimber Well	88	51-80	Harvest	Clearcut with Retention	6124 - Lowland Spruce-Fir	Even-Aged	Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Specs: Harvest all species down to 4.6 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.

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

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

Other Comment: Retention for this stand will be less than 3% and will consist of reserve tree species.

Proposed Start Date: 10/1 /2019

51	11028051-Cut	42.5	4110 - Sugar Maple Association	Sawtimber Well	71	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

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

Acceptable Regen: Any combination of the present overstory species.

Other Comment:

Proposed Start Date: 10/1 /2016

51	11028051-Cut_MWR	31.0	4110 - Sugar Maple Association	Sawtimber Well	71	81-110	Harvest	Shelterwood	4110 - Sugar Maple Association	Two-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Specs: Shelterwood. The target of first harvest is to retain 50% canopy cover (~ 50 ft2 ac-1) of seedbearing-sized trees of good form and of diverse, desirable species. Final overstory removal timing is flexible and is anticipated to occur approximately ten years after the first harvest.

Next Step Treatments: Other, Other

Acceptable Regen: A diverse mix of northern hardwood species.

Other Comment:

Proposed Start Date: 10/1 /2016

54	11028054-CCut	6.6	42320 - Upland Spruce	Poletimber Well	77	51-80	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition: Portable Bridge Needed**

Prescription Specs: Harvest all species down to 2 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.

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

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

Other Comment: Retention for this stand will be greater than 3% and will consist of reserve tree species.

Access will have to come from south if the swamp can be froze across.

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
55	11028055-CCut	11.0	6122 - Black Spruce	Poletimber Well	88	51-80	Harvest	Clearcut with Retention	6129 - Mixed Coniferous Lowland Forest	Even-Aged	Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Harvest all species down to 2 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.

Specs:

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

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

Other Retention for this stand will be less than 3% and will consist of reserve tree species.
Comment:

Proposed Start Date: 10/1 /2019

89	11028089-Dia Cut	7.3	6139 - Mixed Lowland Forest	Poletimber Well	82	51-80	Harvest	Group Selection	613 - Lowland Mixed Forest	Two-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Diameter harvest all species except sugar maple, red maple and yellow birch that are 10" DBH and smaller. Also, all cedar, white pine, hemlock and oak are to be retained. Leave tree mark 1 to 2 potential hardwood legacy trees (20"+ DBH) per acre.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

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

Other No red line needed between stands 89 and 28 for harvest purposes. Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type.
Comment:

Proposed Start Date: 10/1 /2019

68	NF_11028068-Drawdown	194.5	500 - Water	Nonstocked	Unspecified	NonForestMgt	Water Level Management	500 - Water			Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Drawdown the water level by about 2 ft between May 1 and September 1, 2010 and 2016.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other WLD will need to file Form 2706 with the Michigan Department of Environmental Quality, as required by the Inland Lakes and Streams Act, PA 346 of 1972. Old next step comments: Refill the impoundment with water after September 1, 2010 and 2016 to provide habitat for migrating waterfowl and fauna that will over-winter in the impoundment, e.g., turtles. Add stand to the SCA Layer - Wildlife Management Area, Then next step would be to treat the Impoundment by doing routine brushing every 2 yrs as needed to reduce woody vegetation.
Comment:

Proposed Start Date: 10/1 /2019

69	NF_11028069_Burn	1.2	623 - Emergent Wetland	Nonstocked	Unspecified	Burn	Opening	6239 - Mixed Emergent Wetland			Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Prescribe burn when the net river flooding is drawn down.

Specs:

Next Step NonForestMgt, Water Level Management
Treatments:

Acceptable
Regen:

Other Old next step comments: reflow the net river flooding by September 1, 2010 Add stand to the SCA Layer - Wildlife Management Area.
Comment:

Proposed Start Date: 10/1 /2019



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
71	NF_11028071_ Burn	2.4	623 - Emergent Wetland	Nonstocked		Unspecified	Burn	Opening	6239 - Mixed Emergent Wetland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Prescribe burn when the net river flooding is drawn down.

Specs:

Next Step NonForestMgt, Water Level Management

Treatments:

Acceptable

Regen:

Other Comment: Old next step comments: reflow the net river flooding by September 1, 2010. Add stand to the SCA Layer - Wildlife Management Area.

Proposed Start Date: 10/1 /2019

74	NF_11028074_ Burn	5.8	623 - Emergent Wetland	Nonstocked		Unspecified	Burn	Opening	6239 - Mixed Emergent Wetland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Prescribe burn when the net river flooding is drawn down.

Specs:

Next Step NonForestMgt, Water Level Management

Treatments:

Acceptable

Regen:

Other Comment: Old next step comments: reflow the net river flooding by September 1, 2010. Add stand to the SCA Layer - Wildlife Management Area.

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 567.4**

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 28
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions										
		With Condition				2B	2D	5C	5F	2G	2H	3A	3J	3L		
659	406	253		0	Aspen			96	156							
6	6	0		0	Bog											
57	0	0		57	Cedar					57						
231	231	0		0	Lowland Aspen/Balsam Poplar					0						
88	18	0		71	Lowland Conifers					27				27	16	
91	7	79		5	Lowland Mixed Forest				79	5						
176	156	0		20	Lowland Shrub					20						
658	20	85		553	Lowland Spruce/Fir			85		546						6
17	15	0		2	Marsh					2						
60	34	0		26	Mixed Upland Deciduous										26	
728	717	4		7	Northern Hardwood	4							7			
6	0	0		6	Paper Birch						6					
52	0	0		52	Tamarack					52						
2	2	0		0	Upland Conifers											
25	8	0		18	Upland Mixed Forest						18					
62	43	19		0	Upland Spruce/Fir		7		12							
1	1	0		0	Urban											
207	207	0		0	Water											
3,127	1,872	440		815	Total Forested Acres	4	7	181	248	708	24	7	53	23		
	60%	14%		26%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18	3J: Water quality / BMPs (stream, river, or lake)	2E: Road needed	Unspecified	Unspecified
Comments: BMP issues, small acreage, no road access							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 28
Year of Entry: 2020

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5F: Evaluated for Forest Health Considerations	236	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: island							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: island							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	492	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 28
Year of Entry: 2020

7	Available	5F: Evaluated for Forest Health Considerations	12	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	78	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p> <p>2008. Most of the stand is cuttable. Stocking becomes light towards the center of the stand. Scattered White Pine. Look to cut in the future - be sure to balance the cut.</p> <p>2018. Possibly cut in 2030 or 2040.</p>							
12	Unavailable	3A: Conservation Values incompatible with harvest at this time	7	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 28
Year of Entry: 2020

13	Unavailable	3L: Other wildlife concerns	7	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Moose loafing area, long term retention.							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	3J: Water quality / BMPs (stream, river, or lake)	5D: Unproductive Forest Land	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Black spruce in good shape. Cut in 2038 with the west side of the compartment.							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 28
Year of Entry: 2020

22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3L: Other wildlife concerns	16	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Moose loafing area and long term retention							
26	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
	Habitat Area	Habitat Corridor	SCA	199
Comments Net River Flooding WLD MGT Area				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.

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Baraga Mgt. Unit

Report 7 – Forested Stands

Compartment: 28
Year of Entry: 2020

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6122 - Black Spruce	Poletimber Well	7.5	83	81-110	2008. Well stocked but small diameter and small acreage. if ever prescribed combine with preinventory stands 9 and 10.
4133 - Aspen, Mixed Pine	Poletimber Well	2.3	35	51-80	
4130 - Aspen	Poletimber Well	10.5	35	51-80	
6139 - Mixed Lowland Forest	Poletimber Well	19.7	53	51-80	This is a birch stand with very little to NO aspen. IFMAP needs a cover type for this yet.
4130 - Aspen	Poletimber Well	156.4	35	51-80	
4130 - Aspen	Poletimber Well	20.1	35	51-80	
4112 - Maple, Beech, Cherry Association	Poletimber Well	20.9	81	81-110	
6139 - Mixed Lowland Forest	Poletimber Well	59.5	63	51-80	
4319 - Mixed Upland Forest	Poletimber Well	17.8	72	51-80	
6122 - Black Spruce	Poletimber Well	20.0	91	1-50	
4112 - Maple, Beech, Cherry Association	Sawtimber Well	403.7	87	81-110	
4110 - Sugar Maple Association	Poletimber Well	51.0	84	111-140	
6120 - Lowland Cedar	Poletimber Well	27.7	88	81-110	
6139 - Mixed Lowland Forest	Poletimber Well	4.8	53	51-80	
6122 - Black Spruce	Poletimber Well	436.9	91	51-80	
4130 - Aspen	Sapling Well	96.0	17	Unspecified	
4199 - Other Mixed Upland Deciduous	Poletimber Well	20.7	71	81-110	
4130 - Aspen	Sapling Well	78.3	17	Immature	

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Baraga Mgt. Unit

Report 7 – Forested Stands

Compartment: 28
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	27.2	77	81-110	
23	6122 - Black Spruce	Poletimber Well	6.5	83	51-80	
24	4130 - Aspen	Sapling Well	65.8	17	Immature	
26	6124 - Lowland Spruce- Fir	Poletimber Well	17.8	83	81-110	
27	4110 - Sugar Maple Association	Poletimber Well	61.8	78	111-140	
28	4110 - Sugar Maple Association	Poletimber Well	6.6	81	81-110	
29	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.8	68	81-110	
30	6122 - Black Spruce	Poletimber Well	78.0	91	51-80	
31	6112 - Lowland Aspen	Sapling Well	153.7	22	Unspecified	
32	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	1.9	13	Immature	
33	4110 - Sugar Maple Association	Sawtimber Well	7.0	102	81-110	
34	6122 - Black Spruce	Poletimber Well	7.7	71	51-80	
35	4130 - Aspen	Sapling Well	4.5	14	Immature	
36	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.2	82	81-110	
37	4130 - Aspen	Sapling Well	42.2	14	Immature	
38	4130 - Aspen	Poletimber Well	28.1	35	81-110	
39	4130 - Aspen	Sapling Well	95.8	25	Immature	
40	6122 - Black Spruce	Poletimber Well	53.4	87	51-80	

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Baraga Mgt. Unit

Report 7 – Forested Stands

Compartment: 28
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	25.6	76	51-80	
43	42340 - Upland Spruce/Fir	Poletimber Well	13.5	74	111-140	
44	6112 - Lowland Aspen	Sapling Well	7.0	22	Immature	
45	6121 - Tamarack	Poletimber Well	51.6	87	51-80	
46	4134 - Aspen, Spruce/Fir	Sapling Well	4.7	25	1-50	
47	6112 - Lowland Aspen	Poletimber Well	70.9	53	81-110	
48	4319 - Mixed Upland Forest	Sapling Well	7.5	14	Immature	
49	6122 - Black Spruce	Poletimber Well	28.2	99	51-80	
50	6122 - Black Spruce	Poletimber Well	8.4	88	51-80	
51	4110 - Sugar Maple Association	Sawtimber Well	75.0	71	81-110	
54	42320 - Upland Spruce	Poletimber Well	6.6	77	51-80	
55	6122 - Black Spruce	Poletimber Well	11.0	88	51-80	
58	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	27.0	97	1-50	
60	4112 - Maple, Beech, Cherry Association	Sawtimber Well	20.9	94	51-80	
61	4112 - Maple, Beech, Cherry Association	Poletimber Well	21.1	82	51-80	
62	4136 - Aspen, Mixed Conifer	Sapling Well	6.8	6	Immature	
63	6120 - Lowland Cedar	Poletimber Well	29.2	108	111-140	
64	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	11.9	18	Immature	

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Baraga Mgt. Unit

Report 7 – Forested Stands

Compartment: 28
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
66	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.0	71	51-80	
70	4113 - R.Maple, Conifer	Poletimber Well	4.4	66	81-110	
72	4140 - Other Upland Deciduous	Poletimber Well	1.9	71	81-110	Paper Birch Stand
73	4140 - Other Upland Deciduous	Poletimber Well	4.1	71	81-110	Paper Birch stand.
76	4130 - Aspen	Poletimber Well	20.7	35	1-50	
77	42340 - Upland Spruce/Fir	Poletimber Well	9.4	35	1-50	
78	4130 - Aspen	Sapling Well	18.3	15	Immature	
79	4130 - Aspen	Sapling Poor	8.2	8	Immature	2008. cut in march 2011 as part of "Net Mix" 11-009-10-01 2018. Stand was not physically looked at in 2018.
80	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.7	87	51-80	
81	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.0	82	51-80	2008. Cut in march 2011 as part of "Net Mix" 11-009-10-01
82	42340 - Upland Spruce/Fir	Sapling Well	32.4	33	1-50	
84	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sapling Poor	2.3	8	Immature	cut in march 2011 as part of "Net Mix" 11-009-10-01
88	6124 - Lowland Spruce- Fir	Poletimber Well	16.4	83	81-110	
89	6139 - Mixed Lowland Forest	Poletimber Well	7.3	82	51-80	



Stand	Cover Type	Acres	Managed Site	General Comments:
9	622 - Lowland Shrub	51.9	No	
11	622 - Lowland Shrub	35.2	No	
19	500 - Water	11.0	No	
25	623 - Emergent Wetland	2.1	No	
42	622 - Lowland Shrub	20.1	No	
52	6225 - Bog	6.3	No	
53	622 - Lowland Shrub	6.4	No	
56	622 - Lowland Shrub	10.9	No	
59	622 - Lowland Shrub	10.2	No	
65	6233 - Wet Meadow	6.0	No	
67	622 - Lowland Shrub	11.7	No	
68	500 - Water	172.7	No	
69	623 - Emergent Wetland	1.2	No	
71	623 - Emergent Wetland	2.4	No	
74	623 - Emergent Wetland	5.6	No	
75	622 - Lowland Shrub	9.4	No	
83	622 - Lowland Shrub	19.7	No	
85	500 - Water	23.8	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
86	122 - Road/Parking Lot	0.9	No	