Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11070
Entry Year: 2027
Acreage: 2,147
County: Ontonagon
Management Area: Houghton Hardwoods

Stand Examiner: Ryan Mattila

Legal Description:

T51N, R39W, Sections 30, 31
T51N, R40W, Sections 24, 5, 26

Identified Planning Goals:

Manage to increase in stand diversity.

Soil and topography:

The compartment is level with deep cuts where the streams and feeders are. Silts are: Watton – Iron River – Baraga association (clay loams), and AuTrain – Rubicon association (sand)

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

Most of the surrounding land is managed for timber, except some land on the east side of the compartment that is used for hunting camps.

Unique Natural Features:

Wood turtle, Bald Eagle, Showy orchis, Male fern, fairy bells, Ram's head lady's-slipper, Canadian milk-vetch, and small-eyed mary have been documented in the compartment. Potential for osprey, wood turtle, bald eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, and gray wolf.

Archeological, Historical, and Cultural Features:

None.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

This compartment contains Mill Creek, East Branch Mill Creek, and a couple of unnamed tributaries. No specific comments other than follow BMP's

Wildlife Habitat Considerations:

Use buffers along streams to maintain these wildlife travel corridors.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) clay and silt. The glacial drift thickness varies from 10 to 50 feet. The Precambrian Freda Sandstone subcrops below the glacial drift. The Freda does not have a current economic use. Abandoned copper mines are located ten miles to the east. This area has not been leased for metallic exploration. Gravel pits are not likely to be found in this area. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is through the USFS road system. There are internal logging roads, but overall access is fair.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There are no recreational facilities in this compartment, and there do not appear to be any opportunities to develop any.

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

The following reports from the Inventory are attached:

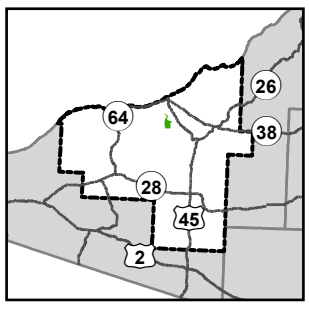
- **Total Acres by Cover Type and Age Class**
- **Cover Type by Harvest Method**
- **Proposed Treatments – No Limiting Factors**
- **Proposed Treatments – With Limiting Factors**
- **Stand Details (Forested and Nonforested)**
- **Dedicated and Proposed Special Conservation Areas**
- **Site Condition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

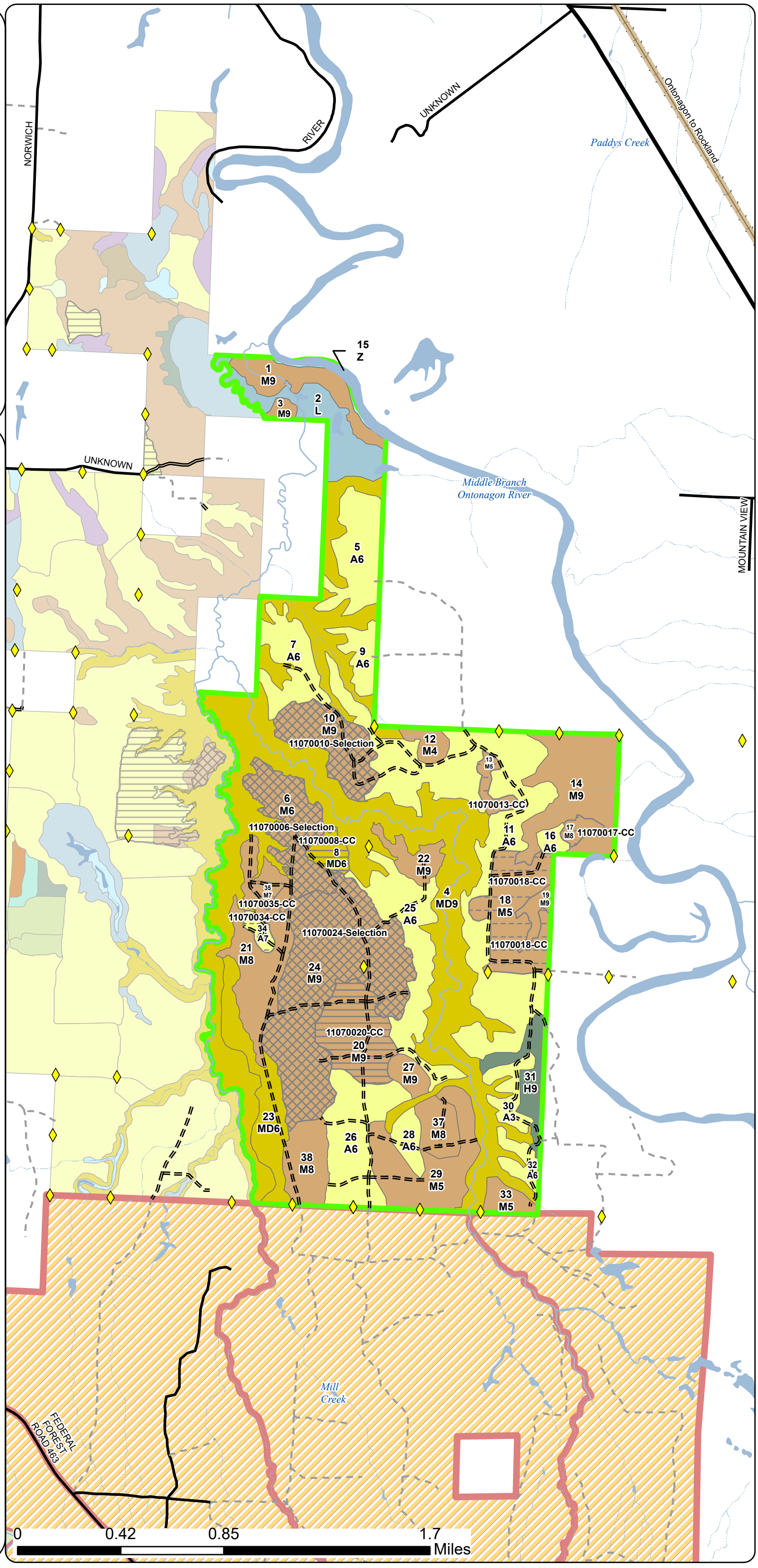
Cover Type & Treatments Map

Compartment: 11070
T51N, R39W, Sections 30, 31
County: Ontonagon
Unit: Baraga
Mgmt. Area: Houghton Hardwoods
YOE: 2027
Acres: 2,147.29 GIS Calculated
Examiner: Ryan Mattila
Date Exported: 09/15/2025
Map Phase: Post Review



N

- Survey Grade Corners
- Designated ORV Routes
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Active Railroads
- Abandoned Railroads
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Selection
- Overstory Removal
- Clearcut
- Selection
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Decidous
- 423 - Other Upland Conifers
- 500 - Water
- 622 - Lowland Shrub



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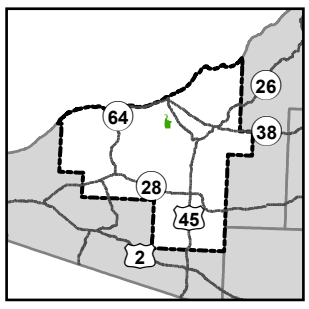

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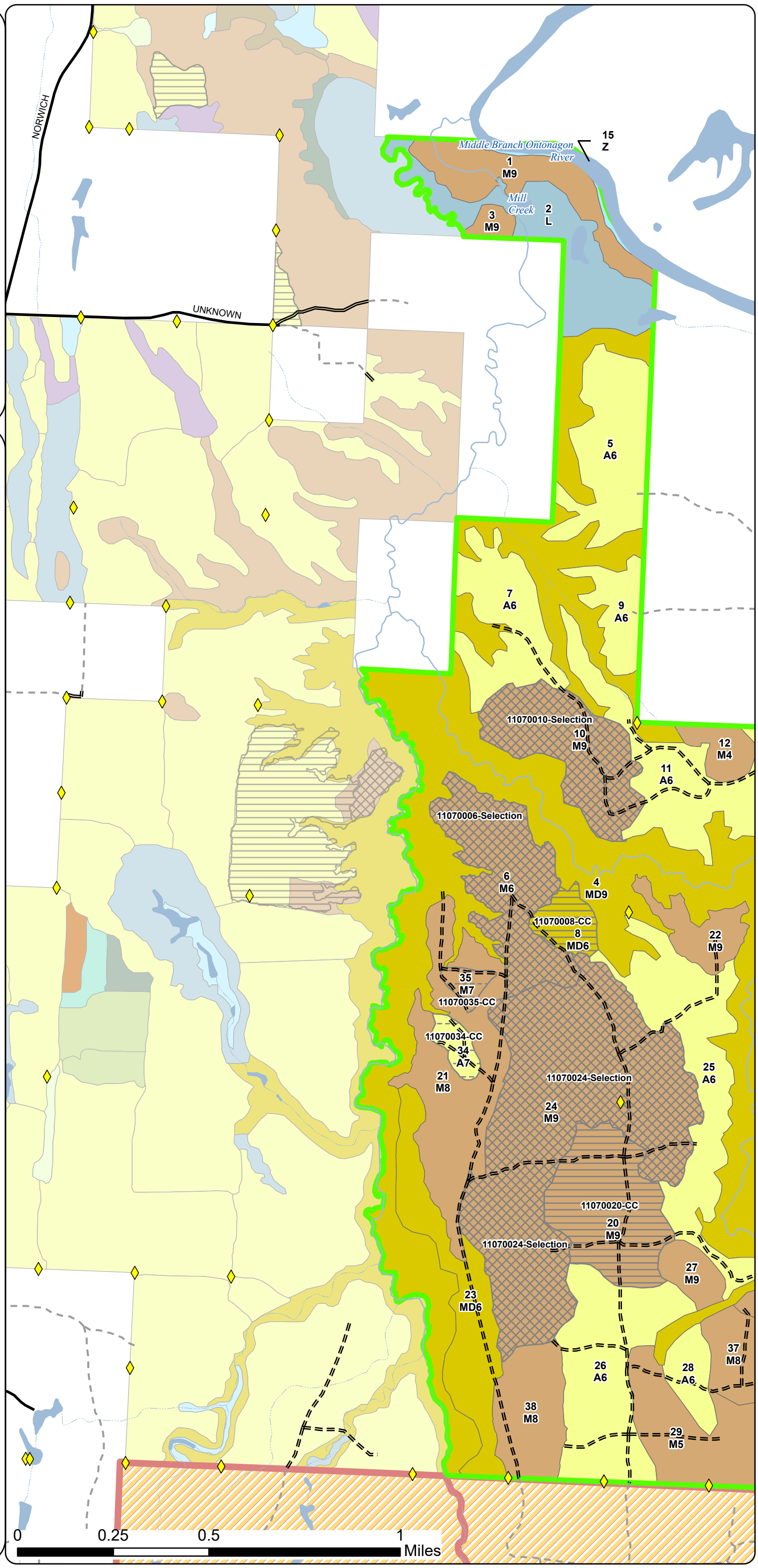

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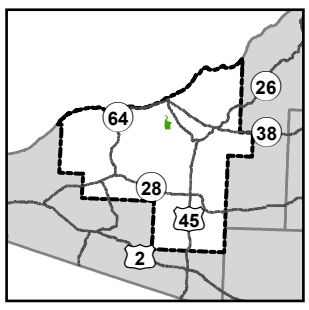

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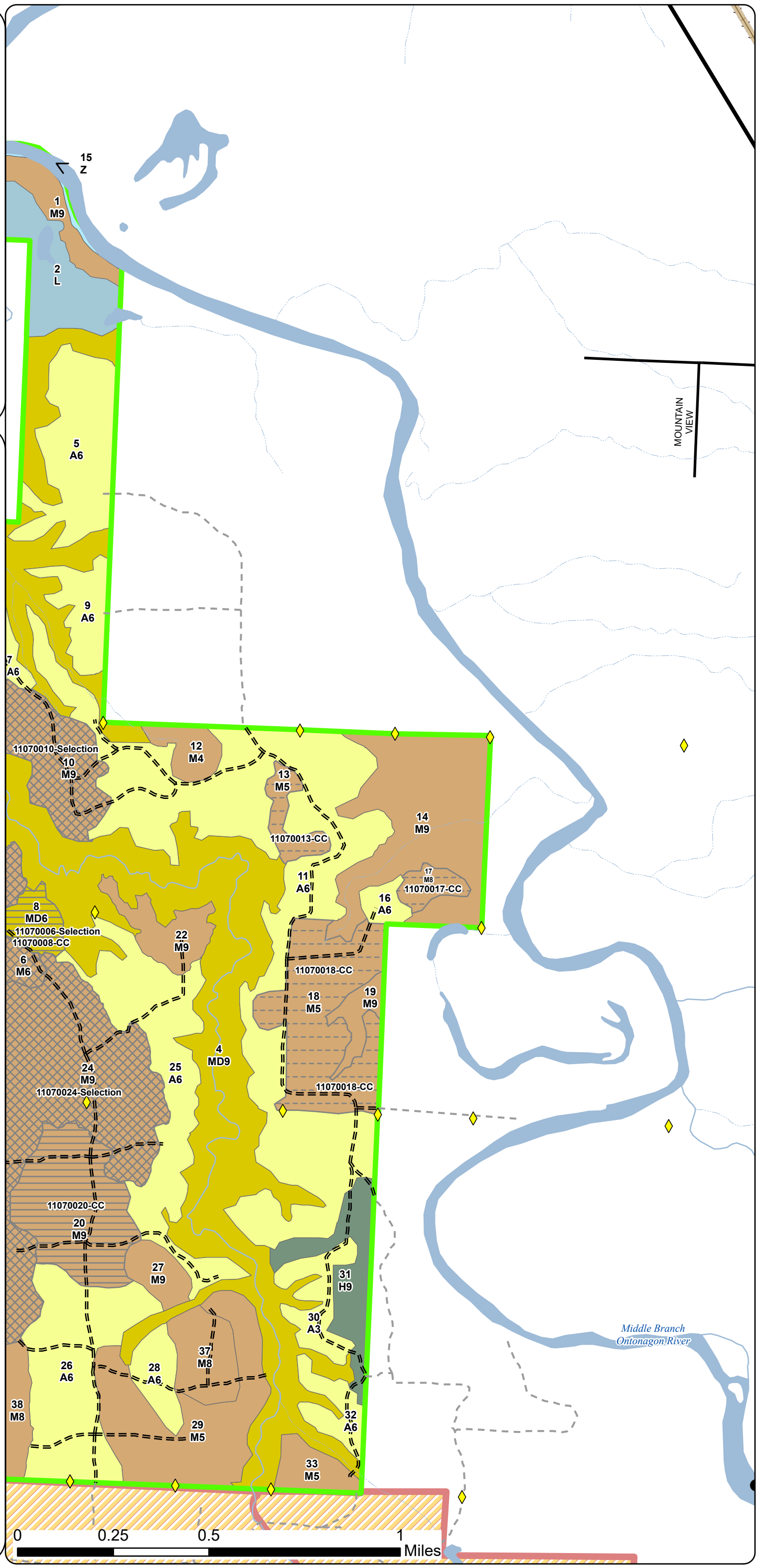

Stand Boundary Map

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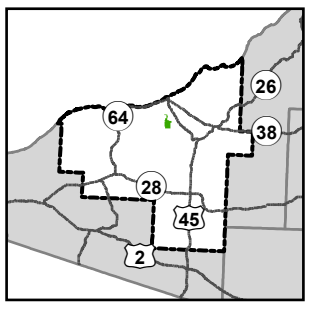

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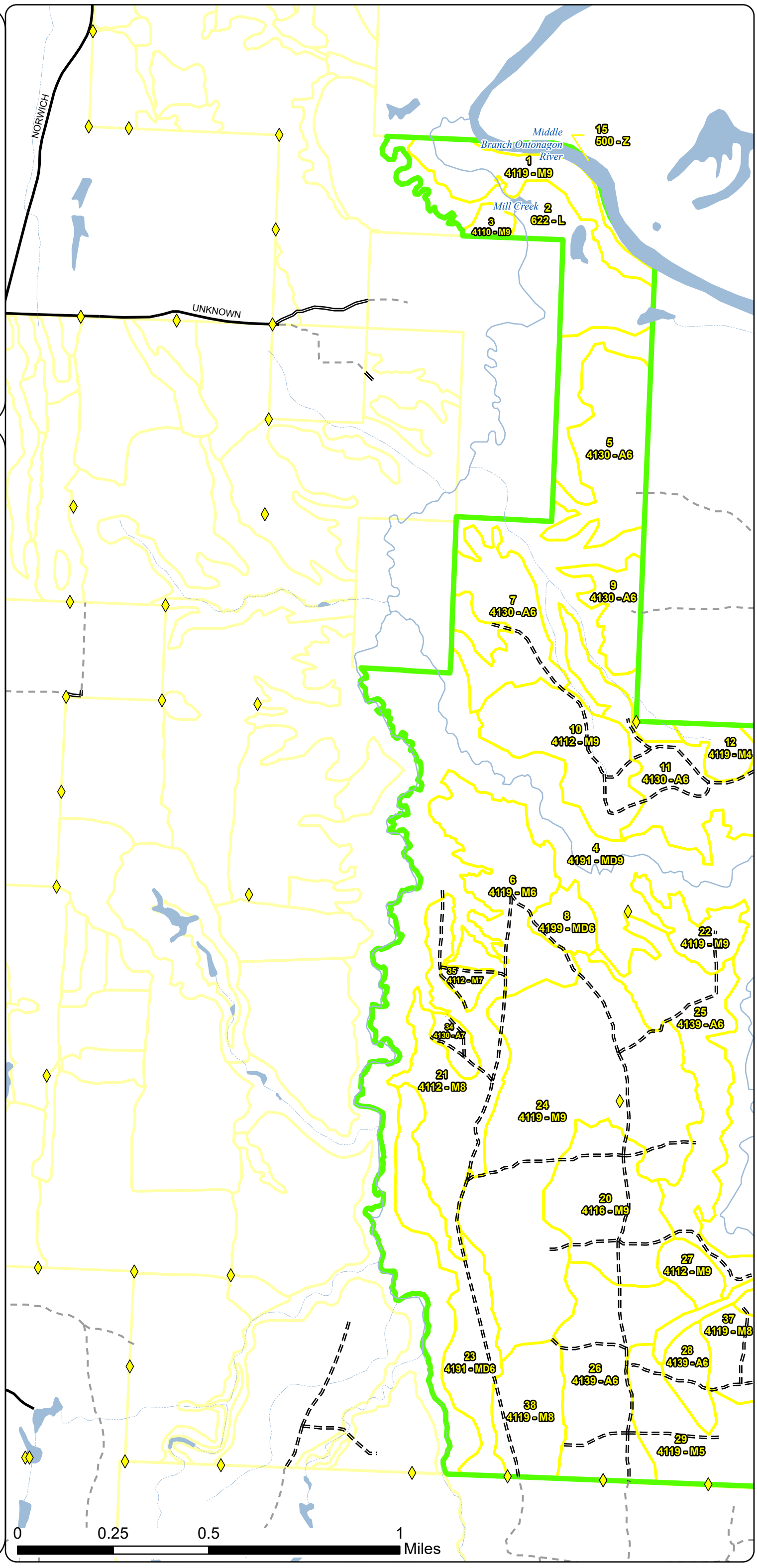

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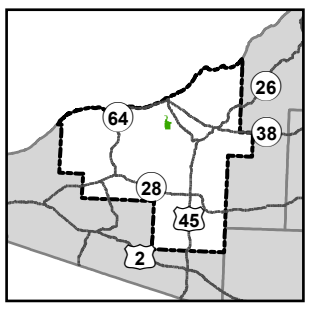

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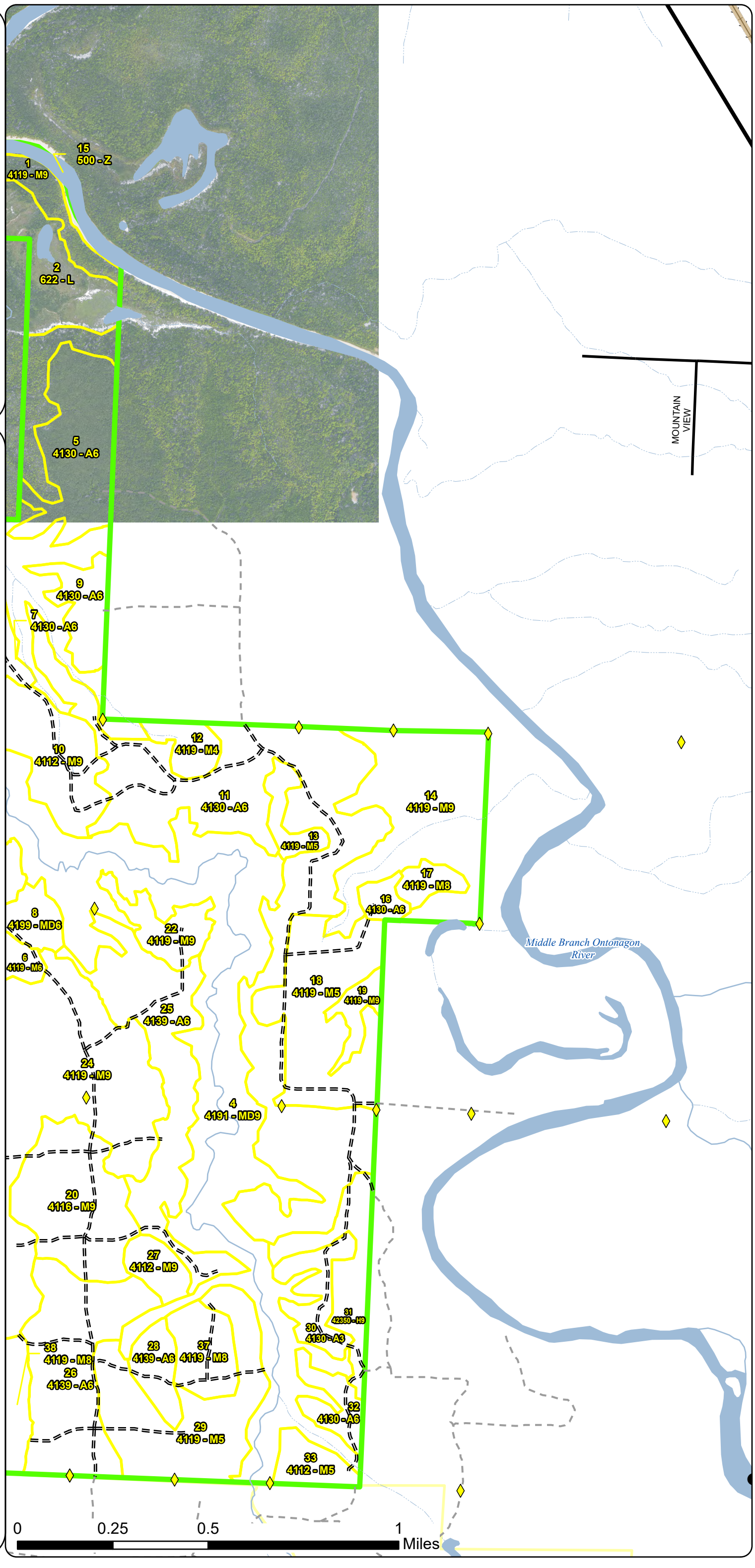

Special Conservation Areas & Site Conditions Map

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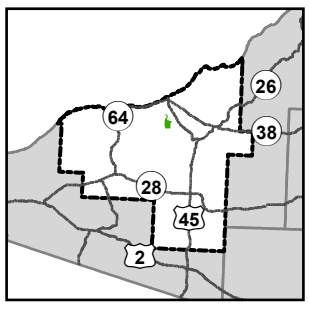

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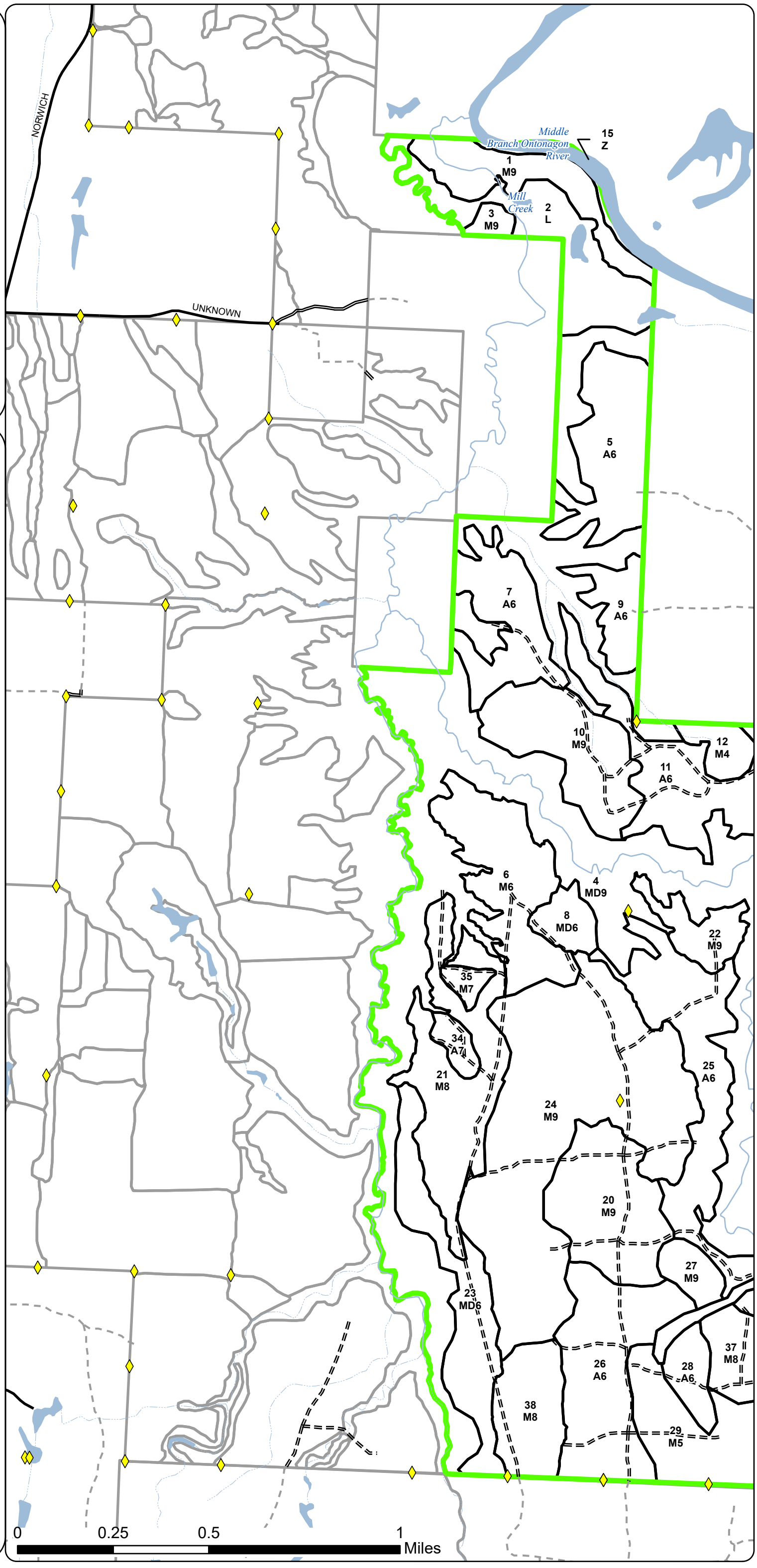

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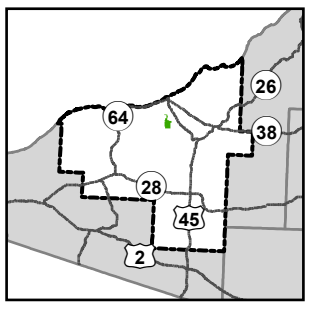

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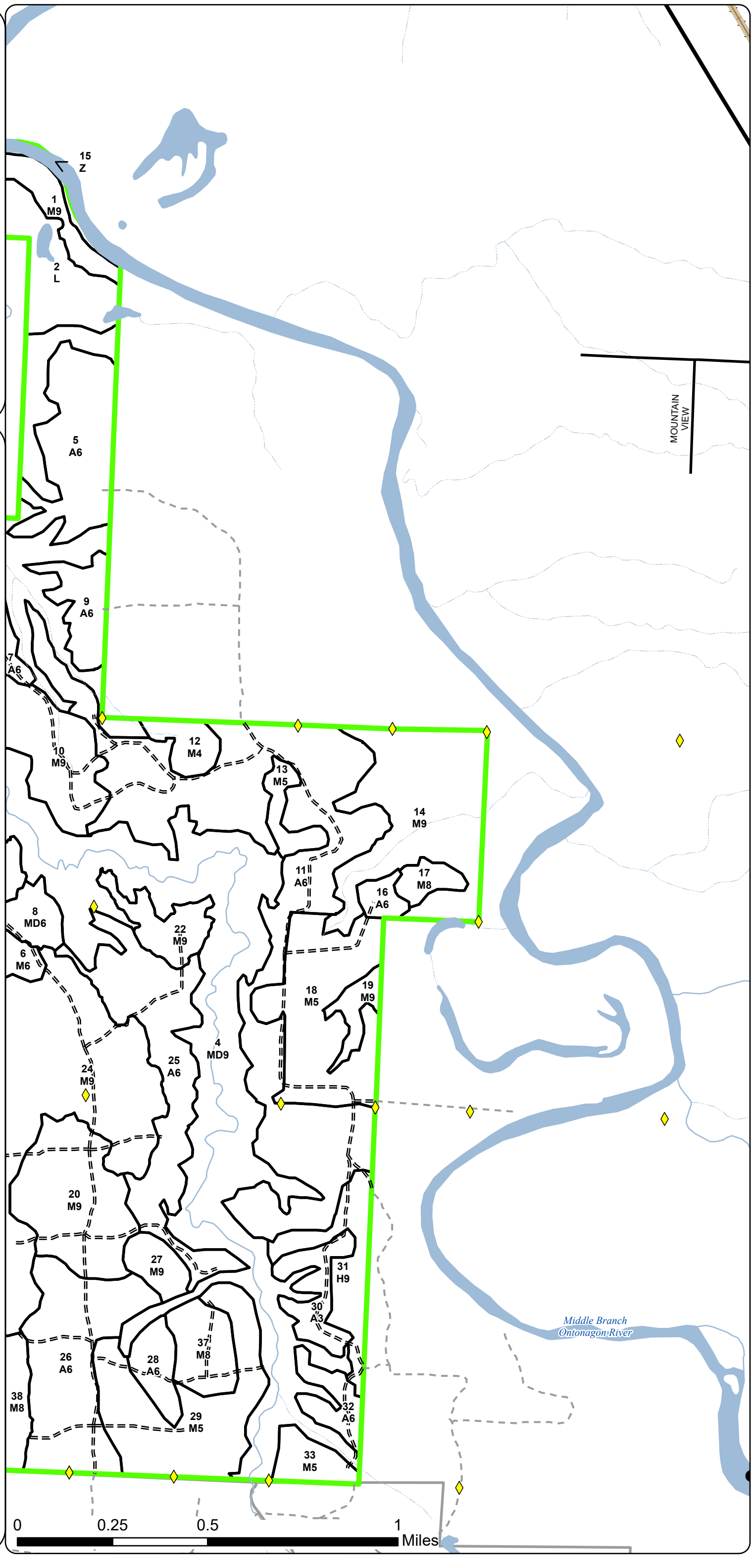

Report 1 – Total Acres by Cover Type and Age Class

Baraga Mgt. Unit **Compartment 70** **Year of Entry 2027**

Ryan Mattila : Examiner

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	0	0	0	388	79	100	0	0	0	0	0	0	0	0	0	0	0	**567**
Hemlock	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	**31**
Lowland Shrub	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**58**
Mixed Upland Deciduous	0	0	0	0	0	14	58	0	0	507	0	0	0	0	0	0	0	0	**579**
Northern Hardwood	0	0	0	0	0	0	0	240	85	0	101	45	0	0	0	0	0	434	**905**
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**9**
Total	**67**	**0**	**0**	**0**	**388**	**93**	**158**	**240**	**85**	**507**	**101**	**76**	**0**	**0**	**0**	**0**	**0**	**434**	**2149**

Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2027

Compartment 70
Total Compartment Acres: 2,147

Acres of Harvest

Commercial Harvest - 926
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	0	0	0	0	0	0	8	0	0	**8**
Mixed Upland Deciduous	14	0	0	0	0	0	0	0	0	**14**
Northern Hardwood	63	326	0	0	0	0	99	0	0	**488**
Total	**77**	**326**	**0**	**0**	**0**	**0**	**107**	**0**	**0**	**510**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	510	0	0	0	0	0	0	0	0	**510**
Next Step	0	0	0	0	0	0	414	0	0	**414**
Total	**510**	**0**	**0**	**0**	**0**	**0**	**414**	**0**	**0**	**923**

Approved Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
6	11070006-Selection	65.3	4119 - Mixed Northern Hardwoods	6	73	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Target large diameter trees for removal first to lower overall stand diameter, retaining one legacy tree per acre. Favor red oak, hemlock, white pine and cedar, where present. Red oak and blac

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:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
8	11070008-CC	13.9	4199 - Other Mixed Upland Deciduous	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Harvest all species down to 4.6 inches DBH, except basswood, < 8 inches DBH. Also reserve hemlock, red pine, white pine, yellow birch, cedar and red oak if they are present, and reserve all trees 22" Dbh or greater.

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:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
10	11070010-Selection	58.6	4112 - Maple, Beech, Cherry Association	9	98	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Target large diameter trees for removal first to lower overall stand diameter, retaining one legacy tree per acre. Favor red oak, hemlock, white pine and cedar, where present. Red oak and blac

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:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
13	11070013-CC	11.6	4119 - Mixed Northern Hardwoods	5	98	81-110	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No

Prescription Specs: Harvest all trees 4.6" DBH and larger except, hemlock, cedar, white pine, yellow birch, red oak and elm, if present. In addition sugar maple < 13' DBH, basswood < 8" DBH, and all trees > 22" should also be reserved.

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

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

17	11070017-CC	9.0	4119 - Mixed Northern Hardwoods	8	98	81-110	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No

Prescription Specs: Harvest all trees 4.6" DBH and larger except, hemlock, cedar, white pine, yellow birch, red oak and elm, if present. In addition sugar maple < 13' DBH, basswood < 8" DBH, and all trees > 22" should also be reserved.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

18	11070018-CC	72.7	4119 - Mixed Northern Hardwoods	5	98	81-110	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No

Prescription Specs: Harvest all trees 4.6" DBH and larger except, hemlock, cedar, white pine, yellow birch, red oak and elm, if present. In addition sugar maple < 13' DBH, basswood < 8" DBH, and all trees > 22" should also be reserved.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
20	11070020-CC	62.7	4116 - Mixed N. Hardwood - Aspen	9	60	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Harvest all trees 4.6" DBH and larger except, hemlock, cedar, white pine, yellow birch, red oak and elm, if present. In addition sugar maple < 13' DBH and all trees > 22" should also be reserved. If no basswood are larger than 22" DBH then reserve to a

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:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24	11070024-Selection	201.8	4119 - Mixed Northern Hardwoods	9	69	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Target large diameter trees for removal first to lower overall stand diameter, retaining one legacy tree per acre. Favor red oak, hemlock, white pine and cedar, where present. Red oak and blac

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:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
34	11070034-CC	8.0	4130 - Aspen	7	55	1-50	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No

Prescription Specs: Remove the overstory from advance regeneration, additional aspen regen should result from the aspen harvested that is present in the overstory

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
35	11070035-CC	5.9	4112 - Maple, Beech, Cherry Association	7	73	51-80	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Current	No

Prescription Specs: Harvest all trees 4.6" DBH and larger except all conifer species, red oak and elm.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Report 3 -- Treatments

Compartment: 11070
Year of Entry: 2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
Total Treatment Acreage Proposed:		509.5									

Report 4 – Site Conditions

Baraga Mgt. Unit

Ryan Mattila: Examiner

Compartment: 70

Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions 2F	2H	3B	3J
567	567	*0*	0	**Aspen**				
31	31	*0*	0	**Hemlock**				
58	58	*0*	0	**Lowland Shrub**				
578	72	*0*	507	**Mixed Upland Deciduous**				507
887	739	*0*	148	**Northern Hardwood**	101	45	2	
9	9	*0*	0	**Water**				
2,130	1,475		655	Total Forested Acres	101	45	2	507
	69%		31%	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**	**3J: Water quality/BMPs (stream, river, or lake)**	508	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	3A: Conservation values incompatible with harvest at this time	5E: Long-Term Retention
Comments:							
2	**Unavailable**	**2F: Too steep**	91	2F: Too steep	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments:							
3	**Unavailable**	**2F: Too steep**	10	3J: Water quality/BMPs (stream, river, or lake)	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified
Comments:							

4	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	6	2E: Road needed	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3J: Water quality/BMPs (stream, river, or lake)	Unspecified
Comments:							
5	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	40	2E: Road needed	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3J: Water quality/BMPs (stream, river, or lake)	Unspecified
Comments:							
6	**Unavailable**	**3B: Threatened, endangered, and special concern species**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Goshawk nest buffer.							

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

Comments

Report 7 – Stands

Compartment: 70
Year of Entry: 2027

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4119 - Mixed Northern Hardwoods	Sawtimber Well	39.5	101	111-140	N/A	2025 - stand not visited during 2025 inventory2015 - Flat along Ontonagon River. Area floods in spring (5'water marks on trees).
2	622 - Lowland Shrub	None	57.9			No	2025 - Stand not visited during 2025 inventory2015 - Sparse lowland trees.
3	4110 - Sugar Maple Association	Sawtimber Well	5.5	101	111-140	N/A	2025 - Stand not visited during 2025 inventory2015 - River bottom hdwd.
4	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	506.7	81	111-140	N/A	Steep slopes. Bmp.
5	4130 - Aspen	Poletimber Well	56.7	31	Immature	N/A	cut in 1994

Stand 1

Canopy Species	% Cover	Size Class	DBH	Age
Silver Maple	5		14	
Northern White Cedar	5		10	
Boxelder	5		12	
Sugar Maple	65		16	101
Red Maple	5		17	
Basswood	5		17	
White Ash	5		12	
Black Ash	5	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Black Ash	Medium	>20 feet	>20 feet

Stand 3

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	5		14	
Sugar Maple	94		14	101
Yellow Birch	1		12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Ironwood	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Black Cherry	Low	>20 feet	>20 feet

Stand 4

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10		16	
Yellow Birch	5		10	
Quaking Aspen	19		12	
Sugar Maple	10		10	
Red Maple	31		10	81
Balsam Fir	5	Seedling	8	
White Spruce	5		12	
Hemlock	15		12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Variable
Red Maple	Full	Variable	Variable
Balsam Fir	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand 5

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Sapling	6	
Quaking Aspen	84	Sapling	5	31
Red Oak	1		14	
Red Maple	10	Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	4119 - Mixed Northern Hardwoods	Poletimber Well	65.3	73	111-140	N/A	Set up as part of Skeleton Hdwds and never harvested. 2022.Hdwd and aspen regeneration 1969

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	5		10	
White Ash	10		9	
Yellow Birch	5		8	
Quaking Aspen	10		9	55
Sugar Maple	40		9	73
Red Maple	30		9	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	4130 - Aspen	Poletimber Well	46.7	32	Immature	N/A	cut in 1993

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	2	Pole	4	
White Ash	3	Sapling	5	
Yellow Birch	1	Pole	4	
Quaking Aspen	77	Sapling	5	32
Red Oak	1		14	
Sugar Maple	5	Log	2	
Red Maple	10	Log	3	
Paper Birch	1	Pole	4	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	4199 - Other Mixed Upland Deciduous	Poletimber Well	13.9	48	81-110	N/A	2025 - harvest now to diversify age structure of the aspen in the compartment2015 - Hdwd and aspen regeneration 1969. Final harvest in 2037 with adj. hdwd.

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	10	Seedling	8	
White Ash	10	Seedling	8	
Quaking Aspen	37	Seedling	8	48
Balsam Fir	5	Seedling	6	
Sugar Maple	12	Seedling	7	
Red Maple	26	Seedling	8	48

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Ironwood	Full	>20 feet	>20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
9	4130 - Aspen	Poletimber Well	21.5	31	Immature	N/A	cut in 1994

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Sapling	6	
Red Oak	1		14	
Quaking Aspen	84	Sapling	5	31
Red Maple	10	Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	58.6	98	111-140	N/A	2025 - the high percent of red maple has slowed the closer of the regen gaps, if there are other stand in the area that can be harvested at this time harvest this one as well. If there are not enough acres to make a sale, stand can be held till next rotation.2015 - Kidney Hdwds 11-019-07-01 TCR 9/16/2011

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5		12	
Sugar Maple	30		12	
Red Maple	60		12	98
Yellow Birch	5		11	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Full	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet
Hemlock	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Yellow Birch	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	4130 - Aspen	Poletimber Well	219.0	33	Immature	N/A	2015 - was cut in 1992

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	87	Log	4	33
Red Maple	5	Sapling	5	33
White Ash	3	Sapling	5	33
Red Oak	3		14	
Hemlock	2		14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Oak	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
12	4119 - Mixed Northern Hardwoods	Poletimber Poor	12.8	98	81-110	N/A	2015 - Kidney Hdwd 11-019-07-01 TCR 9/16/2011. Some Dieback on edge of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	25		14	
Yellow Birch	5		7	
Sugar Maple	15		8	
Red Maple	50		9	98
Basswood	5		9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	10 - 20 feet	10 - 20 feet
Yellow Birch	Full	Variable	Variable
Quaking Aspen	Full	10 - 20 feet	10 - 20 feet
Ironwood	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
White Spruce	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	4119 - Mixed Northern Hardwoods	Poletimber Medium	11.6	98	81-110	N/A	2015 - Kidney Hdwds 11-019-07-01 TCR 9/16/2011. dieback and poor Quality

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	26		9	
Balsam Fir	7	Seedling	5	
Sugar Maple	10	Seedling	8	
Red Maple	45		9	98
Yellow Birch	3	Seedling	7	
Red Oak	2		14	
White Spruce	7	Seedling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
White Spruce	Full	10 - 20 feet	10 - 20 feet
Yellow Birch	Full	10 - 20 feet	10 - 20 feet
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	4119 - Mixed Northern Hardwoods	Sawtimber Well	91.0	98	111-140	N/A	2025 - Stand not visited during 2025 inventory2015 - Steep slopes along Ontonagon river and river bottom hdwd.Potential Type 2 old growth. Sensitive soils.

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	10		12	
White Ash	10		14	
Black Ash	15	Seedling	5	
American Elm	2	Seedling	6	
Yellow Birch	10		8	
Quaking Aspen	1		16	
Sugar Maple	20		9	
Red Maple	25		9	98
White Pine	1		16	
White Spruce	1		14	
Northern White Cedar	1		12	
Hemlock	4		16	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Full	>20 feet	>20 feet
Northern White Cedar	Low	>20 feet	>20 feet
Hemlock	High	>20 feet	>20 feet
White Ash	Full	Variable	Variable
Black Ash	Full	>20 feet	>20 feet
Balsam Fir	Full	>20 feet	>20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Yellow Birch	High	>20 feet	>20 feet

15	500 - Water	None	8.6			No	Ontonagon River
16	4130 - Aspen	Poletimber Well	7.4	31	Immature	N/A	2015 - was cut in 1994Log size oak is dying.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	84	Sapling	5	31
White Ash	4	Sapling	5	
Red Oak	2		14	
Red Maple	10	Sapling	5	

17	4119 - Mixed Northern Hardwoods	Sawtimber Medium	9.0	98	81-110	N/A	2015 - Kidney Hdwds 11-019-07-01 TCR 9/16/2011

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10		14	
Basswood	10		12	
White Ash	2		10	
Yellow Birch	5	Seedling	8	
Sugar Maple	40		12	98
Red Maple	33		10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Yellow Birch	Full	Variable	Variable
Quaking Aspen	Full	10 - 20 feet	10 - 20 feet
White Ash	Full	10 - 20 feet	10 - 20 feet
Red Oak	Medium	10 - 20 feet	10 - 20 feet
Hemlock	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	4119 - Mixed Northern Hardwoods	Poletimber Medium	72.7	98	81-110	N/A	2025 - stand has a lot of die back in the basswood and red maple, 2015 - Kidney Hdwd 11-019-07-01 TCR 9/16/2011 Acquired - exchange with ChampionSome dieback along edge of stand and road. Possible ash removal next rotation (2027).

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Seedling	8	
Sugar Maple	5		9	
Red Maple	60		8	98
Basswood	20		11	
White Ash	5		11	
Red Oak	5		14	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Full	Variable	Variable
Quaking Aspen	Full	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Red Oak	Medium	10 - 20 feet	10 - 20 feet
White Spruce	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	4119 - Mixed Northern Hardwoods	Sawtimber Well	10.0	98	111-140	N/A	2025 - stand not visited during the 2025 inventory cycle2015 - Steep slopes

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5		11	
Sugar Maple	20		9	
Red Maple	50		9	98
White Ash	10		12	
Black Ash	5	Seedling	6	
White Spruce	5		12	
Hemlock	5		14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	>20 feet	>20 feet
White Ash	Full	Variable	Variable
White Spruce	Full	>20 feet	>20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	62.7	60	81-110	N/A	2025 - Area is a mix of poorer quality hard wood and aspen with more aspen in the east part of the stand and wet hardwood drainages in the west.Hdwd and aspen regeneration 1969Some pockets of ash and/or aspen. Stand was split from the north and south stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20		12	60
Red Maple	25		12	60
Basswood	10		12	
White Ash	15		14	
Yellow Birch	3	Seedling	7	
Quaking Aspen	25		10	
Red Oak	2		14	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	10 - 20 feet	10 - 20 feet
White Ash	Full	Variable	Variable
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
21	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	77.8	73	81-110	N/A	Harvested as Skeleton Hdwd first round, Winter 2018Hdwd and aspen regeneration 1969

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	47		12	73
Red Maple	40		12	
Yellow Birch	5		10	
Quaking Aspen	3		9	55
Basswood	5		12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
White Ash	Medium	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	4119 - Mixed Northern Hardwoods	Sawtimber Well	19.8	71	141-170	N/A	Part of Skeleton Hdwds, NOT harvested 2022.Hdwd and aspen regeneration 1969

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Seedling	7	
Quaking Aspen	5	Seedling	8	
Basswood	5		14	
White Ash	15		14	
American Elm	1	Seedling	6	
Sugar Maple	25		12	
Red Maple	44		14	71

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
White Ash	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
23	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	57.9	55	81-110	N/A	Hdwd and aspen regeneration 1969. Possibly cut in 2037 with adj. timber.

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	5	Seedling	7	
Balsam Fir	5	Seedling	8	
Red Maple	35	Seedling	7	55
Paper Birch	5	Seedling	7	
White Pine	5		15	
Yellow Birch	5	Seedling	6	
Quaking Aspen	30	Seedling	9	55
White Spruce	5	Seedling	8	
Hemlock	5		14	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	4119 - Mixed Northern Hardwoods	Sawtimber Well	201.8	69	111-140	N/A	Part of Skeleton Hdwds, NOT harvested 2022.Selection cut, Backbone Hdwd, completed 9/2000.

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	15		12	
White Ash	5		14	
Yellow Birch	5		10	
Red Oak	1		14	
Hemlock	1		14	
Sugar Maple	43		12	69
Red Maple	30		12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Basswood	Low	>20 feet	>20 feet
White Ash	Full	10 - 20 feet	10 - 20 feet
Yellow Birch	Medium	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	4139 - Aspen, Mixed Deciduous	Poletimber Well	78.7	47	81-110	N/A	OI Stand Year Origin was 1978. Possibly cut in 2037.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Seedling	6	
Quaking Aspen	52	Seedling	7	47
Sugar Maple	10	Seedling	7	
Red Maple	10	Seedling	8	
Paper Birch	5	Seedling	5	
Red Oak	3		14	
Basswood	10		9	
White Ash	5	Seedling	7	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	10 - 20 feet	10 - 20 feet
White Ash	Full	>20 feet	>20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch	High	>20 feet	>20 feet
Red Maple	Full	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	4139 - Aspen, Mixed Deciduous	Poletimber Well	76.7	55	81-110	N/A	Hdwd and aspen regeneration 1969

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Seedling	8	
Basswood	10		9	
White Ash	5	Seedling	9	
Sugar Maple	17	Seedling	8	
Red Maple	18	Seedling	8	
Quaking Aspen	45	Seedling	9	55

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet
Ironwood	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
27	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.9	63	81-110	N/A	Spleen Hwd 11-020-07-01 TCR 2-3-2012 Select cut in 2027.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45		12	63
Red Maple	35		12	
Basswood	15		12	
White Ash	5		12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
28	4139 - Aspen, Mixed Deciduous	Poletimber Well	15.4	55	81-110	N/A	ASPEN REGENERATION 1969 Cut in 2027 with adj timber.

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	10		9	
White Ash	5		9	
Sugar Maple	15	Seedling	7	
Red Maple	15	Seedling	8	
Yellow Birch	5	Seedling	7	
Quaking Aspen	48	Seedling	8	55
Red Oak	1		14	
White Spruce	1		10	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	>20 feet	>20 feet
Balsam Fir	Medium	>20 feet	>20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	4119 - Mixed Northern Hardwoods	Poletimber Medium	72.3	76	51-80	N/A	Spleen Hdwd 11-020-07-01 TCR 2-3-2012. some dieback.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25		9	76
Red Maple	33		9	76
Basswood	10		10	
White Ash	15		12	
White Spruce	2		12	
Hemlock	10		12	
Yellow Birch	5	Seedling	7	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Full	Variable	Variable
Yellow Birch	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet
White Spruce	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	4130 - Aspen	Sapling Well	21.4	33	Immature	N/A	2015 - was cut in 1992

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole	4	
Quaking Aspen	70	Sapling	5	33
Red Maple	15	Sapling	5	
Paper Birch	5	Pole	4	
Hemlock	5		14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet
Hemlock	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	42350 - Upland Hemlock	Sawtimber Well	31.3	109	141-170	N/A	2015 - lots of wet areas throughout stand.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2		18	
White Spruce	2		12	
Northern White Cedar	5	Seedling	7	
Hemlock	68		12	109
Yellow Birch	5		12	
Quaking Aspen	3		14	
Red Maple	10		9	
Black Ash	5	Seedling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	Variable	Variable
Red Maple	Full	Variable	Variable
White Spruce	Full	Variable	Variable
Hemlock	Full	Variable	Variable
Yellow Birch	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
32	4130 - Aspen	Poletimber Well	15.1	33	Immature	N/A	was cut in 1992

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Log	3	
Hemlock	5		12	
Quaking Aspen	80	Pole	4	33

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	4112 - Maple, Beech, Cherry Association	Poletimber Medium	14.3	87	81-110	N/A	2015 - Spleen Hdwd 11-020-07-01 TCR 2-3-2012. Next thinning 2027.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	3	Seedling	6	
White Ash	5	Seedling	8	
White Spruce	1		12	
Hemlock	1		10	
Sugar Maple	10		10	
Red Maple	80	Seedling	8	87

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
White Spruce	Low	10 - 20 feet	10 - 20 feet
Hemlock	Low	>20 feet	>20 feet
Yellow Birch	Low	Variable	Variable
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	4130 - Aspen	Sawtimber Poor	8.0	55	1-50	N/A	2025 - Pocket of aspen that was left when the sounding stand was marked, most of the hardwood was marked out of this area.Harvested as Skeleton Hdwd first round, Winter 2018Hdwd and aspen regeneration 1969

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	15		11	
White Ash	5	Sapling	6	
Red Maple	10	Sapling	6	
Quaking Aspen	70		10	55

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Quaking Aspen	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
35	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	5.9	73	51-80	N/A	2025 - The road work in this area has created issues with water drainage, manage this area as a large regen gap in the surrounding hardwood stand allowing the regen to grow up with the current surface water drainage issues. The road in the North west corner of the stand has washed out and this may resolve some of the issues. Care will need to be taken to not disturber the drainage patterns in the future.Harvested as Skeleton Hdwd first round, Winter 2018Hdwd and aspen regeneration 1969

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Sapling	6	
Sugar Maple	5	Sapling	7	
Red Maple	80		8	73
Quaking Aspen	10		9	55

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
37	4119 - Mixed Northern Hardwoods	Sawtimber Medium	23.4	76	51-80	N/A	Spleen Hdwd 11-020-07-01 TCR 2-3-2012. some dieback.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Seedling	7	
Basswood	10		10	
White Ash	10		12	
Sugar Maple	45		11	76
Red Maple	30		11	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	10 - 20 feet	10 - 20 feet
White Ash	Full	Variable	Variable
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Yellow Birch	Full	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	4119 - Mixed Northern Hardwoods	Sawtimber Medium	37.5	69	81-110	N/A	Part of Skeleton Hdwds, Winter 2018Selection cut, Backbone Hdwd, completed 9/2000.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	1		14	
Hemlock	1		14	
Basswood	15		12	
White Ash	5		14	
Sugar Maple	43		12	69
Red Maple	30		12	
Yellow Birch	5		10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	Medium	Variable	Variable
Ironwood	Full	10 - 20 feet	10 - 20 feet
Basswood	Low	>20 feet	>20 feet
White Ash	Full	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable