



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11047

Entry Year 2028

Acreage: 1,118

County: Houghton

Management Area: Houghton Hardwoods

Stand Examiner: Jason Collins

Legal Description:

Laird Township
T51N, R36W, Sections 27, 34 and 35.

Identified Planning Goals:

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

Soil and topography:

The topography is generally level, except along Otter River. Upland Soils are: Munising loamy fine sand, Alcona loamy fine sand, Liminga fine sand, Kalkaska sand and Graveraet loam. Wetland soil are: Gay muck and Dawson peat.

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

State land borders the compartment the west. Several small parcels of private ownership border the compartment to the south where some of the owners have harvested timber from their parcels, but the majority of the private owners use their land as homes or for recreational purposes. Much of the land surrounding the compartment is owned by several different land management companies with primary goals of timber management.

Unique Natural Features:

MNFI indicates the potential for Red Shouldered Hawk, Eagle, Osprey, Great Blue Heron rookery, Goshawk, Moose and Gray Wolf in the compartment. There is also potential for Wood Turtle along riparian corridors.

Archeological, Historical, and Cultural Features:

The former Keweenaw Bay Branch of the Mineral Range Railroad crossed the compartment. Part of the grade is now used for the Otter Siding road.

Special Management Designations or Considerations:

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

Watershed and Fisheries Considerations:

This compartment contains Greenier Creek, the West Branch of the Otter River, four unnamed designated trout streams, a headwater pond, and five other wetland areas. For the rivers/streams in this compartment located in stand 22, 27, and 17, maintain the riparian buffer to the high bank of the valley wall. Also, maintain the current riparian buffers along the pond/wetland areas located in stand 41, 12, 11, 13, and 8.

Wildlife Habitat Considerations:

Managing habitat for; black bear, blackburnian warbler, pileated woodpecker, ruffed grouse, northern goshawk and American marten should be considered when planning harvest specifications in this this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and an end moraine of fine-textured till. The glacial drift thickness varies upwards to 400 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. The nearest gravel pit is located one mile to the southwest and potential appears to be good. Abandoned copper mines and crushed basalt piles are located six miles to the northwest. This area was not previously leased for metallic development. There is no economic oil and gas production in the UP.

Vehicle Access:

M-38 is a State Highway which passes through the south half of section 34 and 35. The Otter Siding Road is a heavily used forest road which passes through section 34 this provides access to the land south of the West Branch of the Otter River. Access to the land north of the West Branch is off the Pike Lake road through a series of logging roads which are not all on state land.

Survey Needs:

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

Recreational Facilities and Opportunities:

The West Branch of the Otter River and Greenier Creek water courses offer some excellent fishing opportunities. The large expanse of continuous forest offer great hunting opportunities for both large and small game.

Fire Protection:

This compartment has little to no potential for a large fire with the primary cover type being northern hardwoods. Equipment access would be the primary issue for fire suppression activities.

Additional Compartment Information:

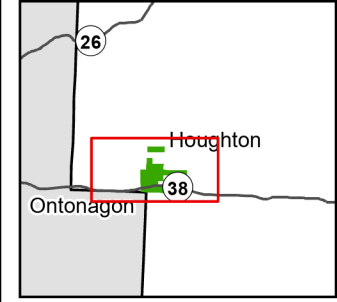
The following reports from the Inventory are attached:

- 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**

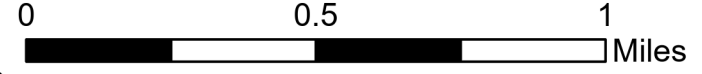
The following information is displayed, where pertinent, on the attached compartment maps:

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

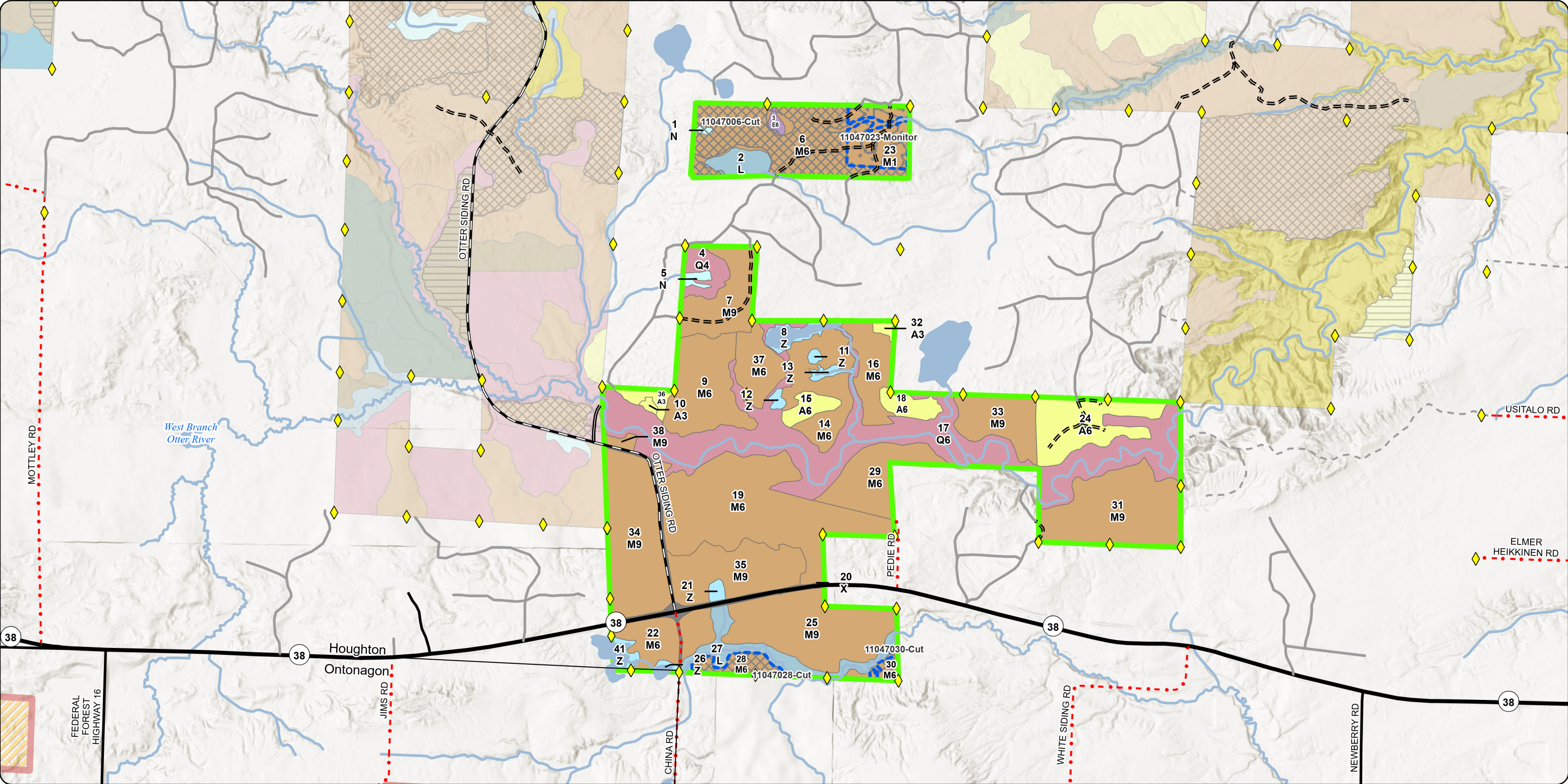
Cover Type & Treatments Map



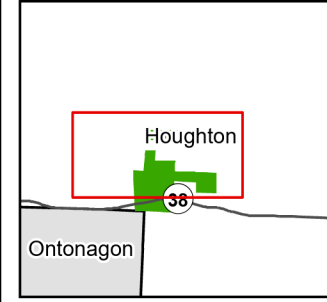
Compartment: 11047
 T51N, R36W 27, 33-35
 County: Houghton
 Unit: Baraga
 Mgmt. Area: Houghton Hardwoods
 YOE: 2028
 Acres: 1,118 GIS Calculated
 Examiner: Jason Collins
 Date Exported: 04/27/2026
 Map Phase: Web Post



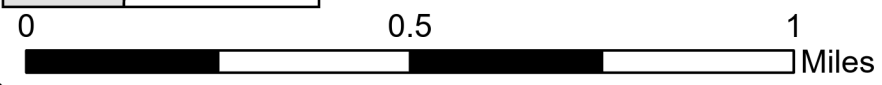
- ◆ Survey Grade Corners
- Private - Paved Road
- Private - Dirt / Gravel Road
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- · · County - Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 622 - Lowland Shrub
- 623 - Emergent Wetland



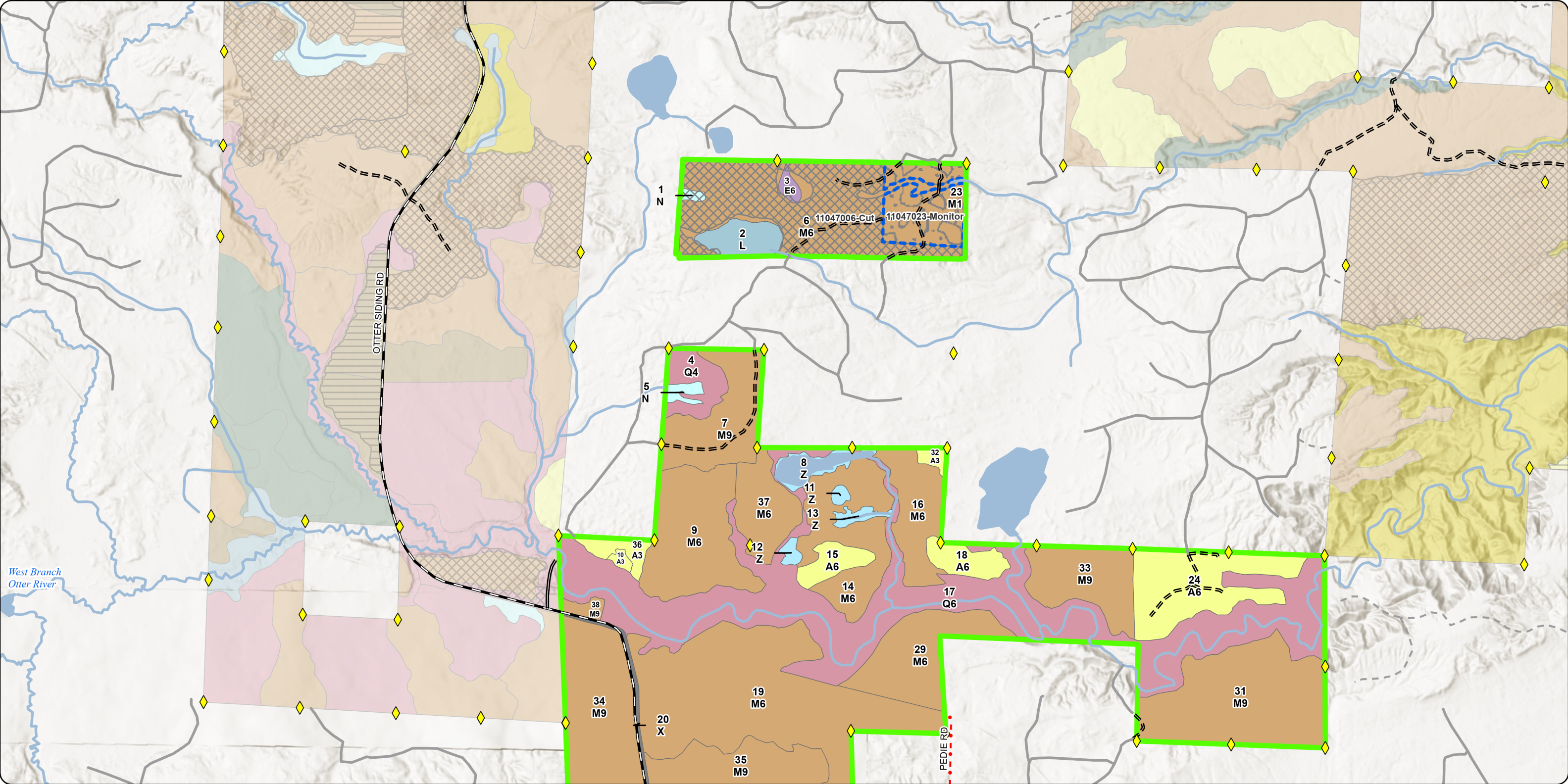
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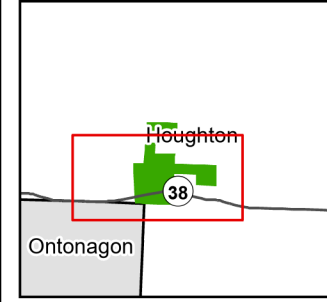
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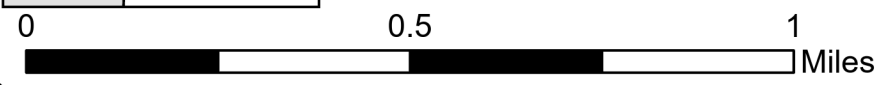
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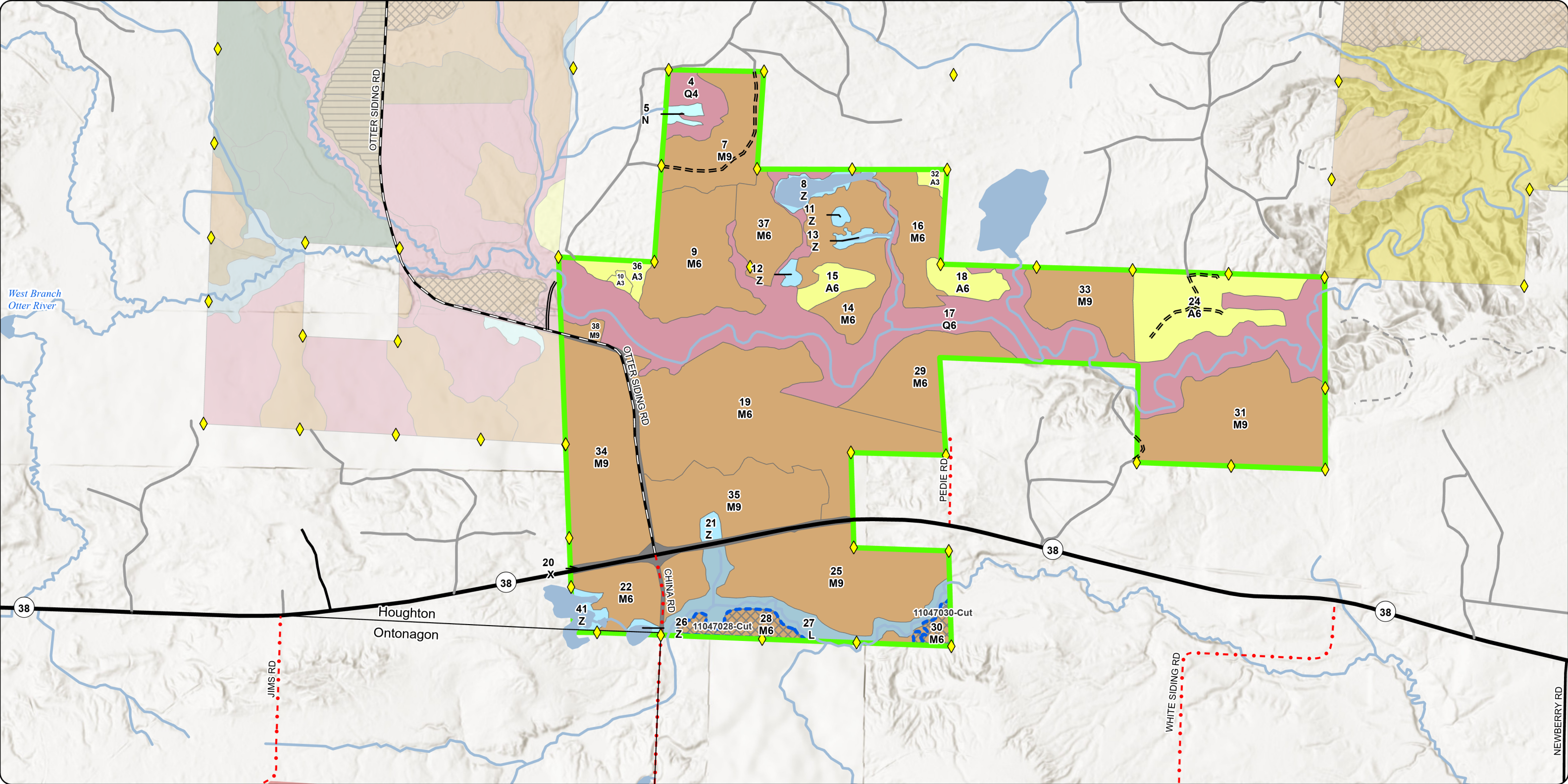
Cover Type & Treatments Map



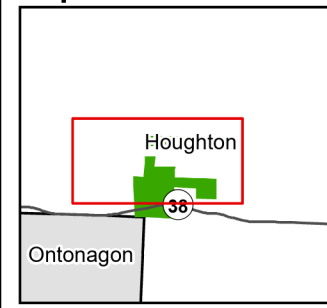
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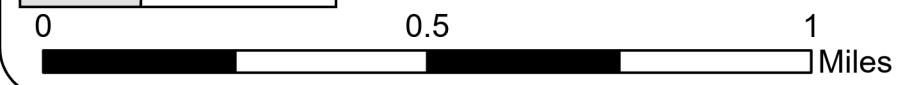
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Stand Boundary Map



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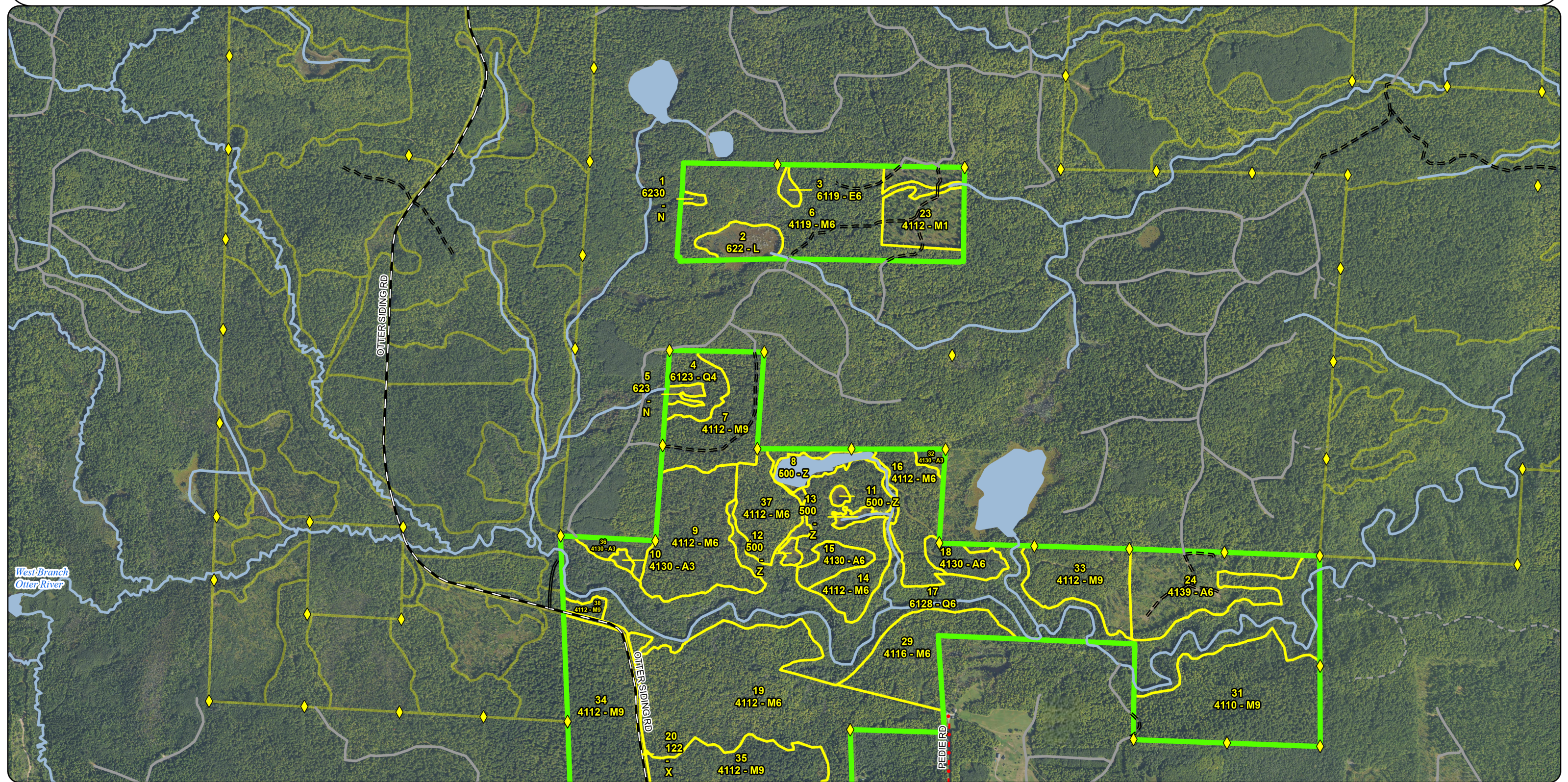
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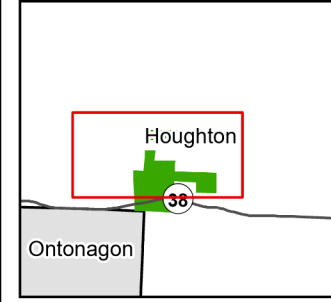
■ Compartment Boundary

□ Compartment Stand Yellow Outline (PD)

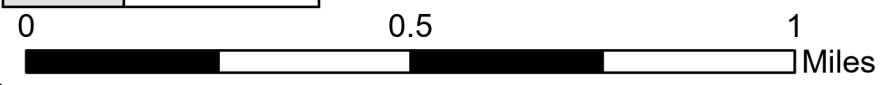
- | | |
|---------------------------------|---------------------------------|
| 411 - Northern Hardwood | 411 - Northern Hardwood |
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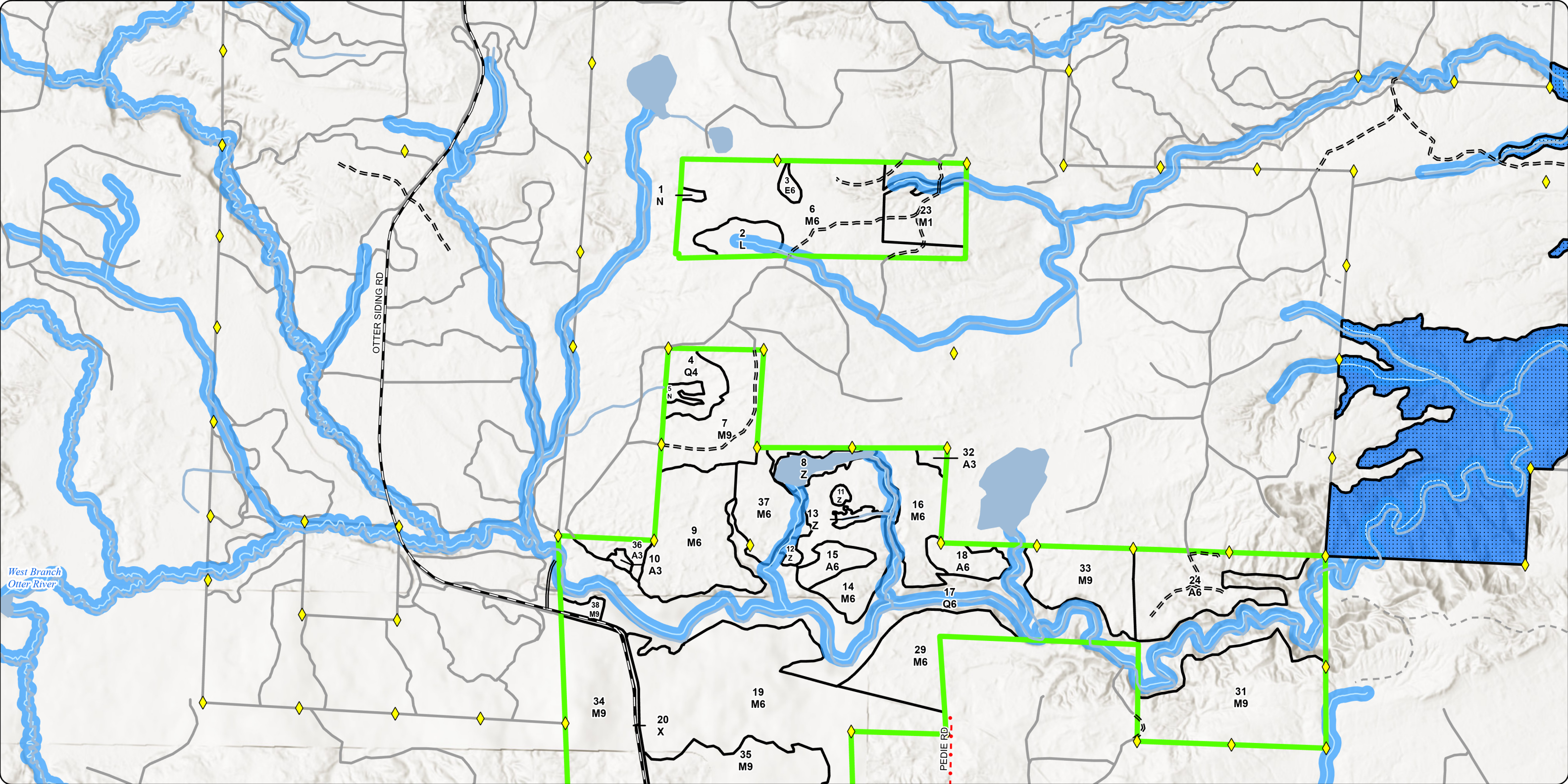
**Special Conservation Areas
& Site Conditions Map**



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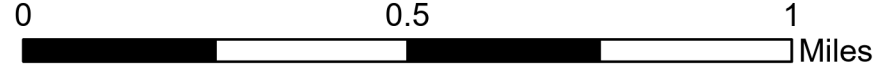
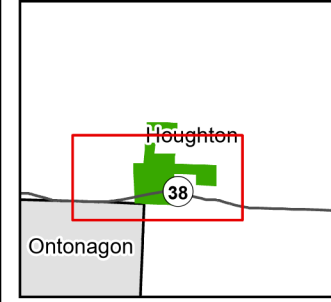


- ◆ Survey Grade Corners
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- SCA
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- DNR - Forest Access Route
- Cold Water Streams
- Lakes and Rivers
- High Priority Trout Stream Buffer
- Riparian Area



**Special Conservation Areas
& Site Conditions Map**

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— Streams

■ Lakes and Rivers

■ Compartment Boundary

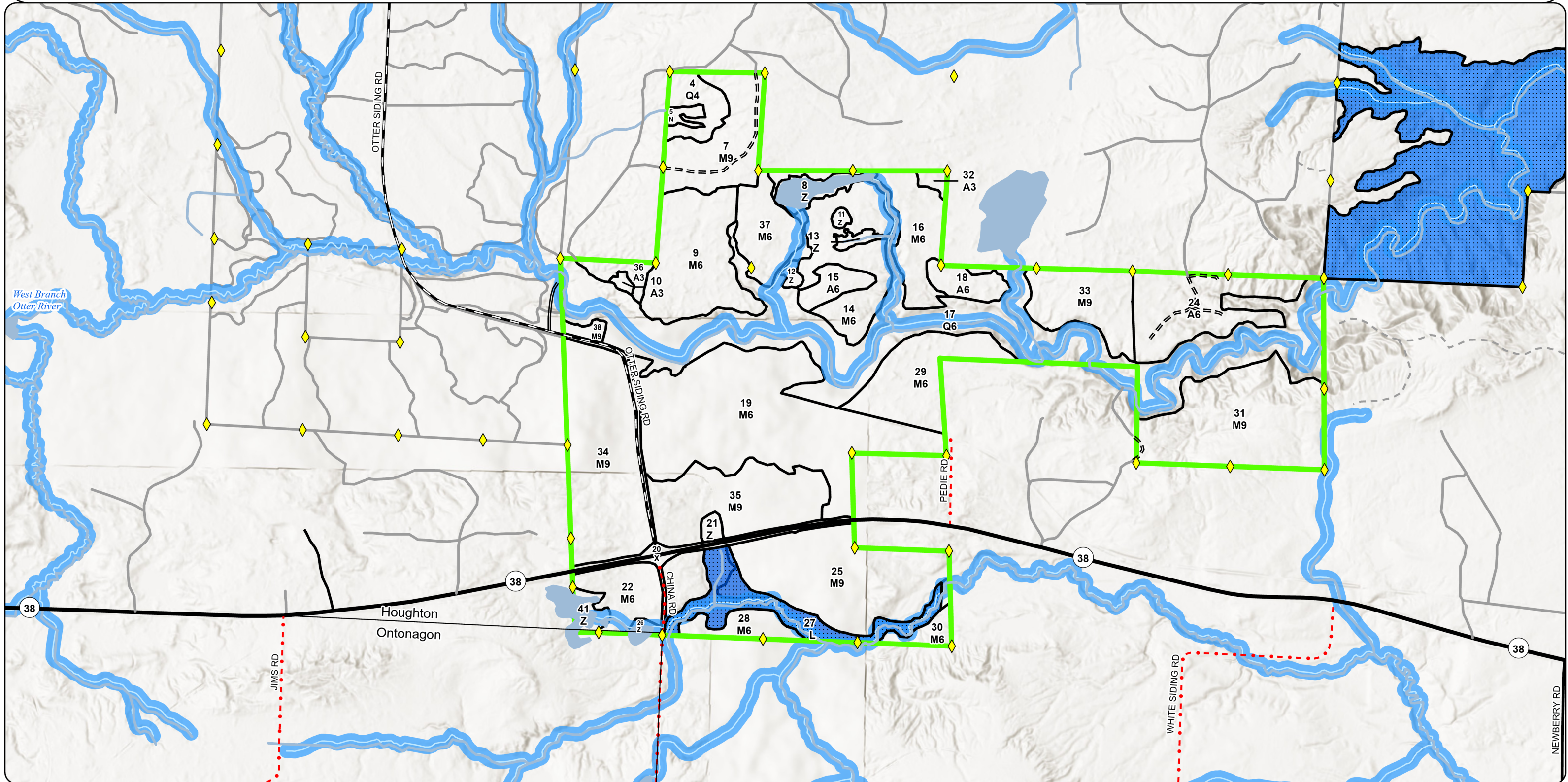
■ SCA

— Cold Water Streams

■ High Priority Trout Stream Buffer

■ Riparian Area

■ Boat Access Site



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	4	6	0	0	18	0	0	0	0	0	0	0	0	0	0	0	42	70
Lowland Conifers	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	185	198
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Lowland Shrub	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Northern Hardwood	0	0	27	0	0	0	0	0	0	63	0	0	0	0	0	0	0	677	767
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Total	81	4	33	0	0	18	0	0	13	63	0	0	0	0	0	0	0	906	1118



Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 47
Total Compartment Acres: 1,118

Commercial Harvest - 148
Harvests with Site Condition - 28
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
Northern Hardwood		0	88	0	0	0	0	0	0	0	88
	Total	0	88	0	0	0	0	0	0	0	88

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		88	0	0	0	0	27	0	0	0	115
Next Step		0	0	0	0	0	88	0	0	0	88
	Total	88	0	0	0	0	115	0	0	0	203



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

30	11047030-Cut	4.0	4112 - Maple, Beech, Cherry Association	6	104	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/01/2017</p>											

Approved Treatments:

6	11047006-Cut	73.8	4119 - Mixed Northern Hardwoods	6	107	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2020</p>											

23	11047023-Monitor	26.7	4112 - Maple, Beech, Cherry Association	1	10	1-50	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Cutting Record	No
<p><u>Prescription</u> MWR Project</p> <p><u>Specs:</u> MSU crew will monitor site per study specs.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. Sugar Maple is the goal.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Research Study</p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
28 11047028-Cut	10.4	4112 - Maple, Beech, Cherry Association	6	104	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/01/2017</p>										

Total Treatment 114.9
Acreage Proposed:

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Collins : Examiner

Compartment: 47
Year of Entry: 2028



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2B	5G	2G	3J
44	28	0	15	Aspen				15
190	13	0	177	Lowland Conifers				177
2	0	0	2	Lowland Deciduous			2	
35	11	0	24	Lowland Shrub				24
4	4	0	0	Marsh				
619	556	42	22	Northern Hardwood	15	27	7	15
16	16	0	0	Urban				
24	24	0	0	Water				
933	652	42	240	Total Forested Acres	15	27	9	231
	70%	5%	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 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)	3	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Otter River Trout Stream.							
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	200	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Otter River Trout Stream.							
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	34	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Otter River Trout Stream							

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Collins : Examiner

Compartment: 47
Year of Entry: 2028



4	Available	2B: Unknown if access through adjacent landowner(s) is possible	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Was supposed to be harvested with 11-015-18 with 38 special hdwds but access was an issue.							
6	Available	5G: Research Study	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Walters study area							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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
Comments				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1 6230 - Cattail None 1.1 No beaver pond and surrounding wetland.

2 622 - Lowland Shrub None 11.2 No

3 6119 - Mixed Lowland Deciduous Forest Poletimber Well 2.2 85 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	Pole	8		Red Maple	Low	>20 feet	>20 feet
Red Maple	25	Pole	8		Balsam Fir	Low	>20 feet	>20 feet
Balsam Fir	5	Pole	6		Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Black Ash	40	Pole	9	85				

4 6123 - Lowland Fir Poletimber Poor 12.7 74 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	6		Red Maple	Medium	>20 feet	>20 feet
Red Maple	10	Pole	6		Northern White Cedar	Low	>20 feet	>20 feet
Yellow Birch	5	Pole	6		White Spruce	Low	>20 feet	>20 feet
Balsam Fir	50	Pole	6	74	Balsam Fir	Medium	>20 feet	>20 feet
Northern White Cedar	25	Pole	6					

5 623 - Emergent Wetland None 2.6 No

6 4119 - Mixed Northern Hardwoods Poletimber Well 80.1 107 111-140 N/A Cut- some ash dieback. Cut in 2002. heartburn hdwd.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Log/Pole	10	107	Sugar Maple	Medium	>20 feet	>20 feet
Red Maple	30	Pole	7		Red Maple	Medium	>20 feet	>20 feet
Yellow Birch	10	Pole	6		Ironwood	High	>20 feet	>20 feet
Basswood	10	Log/Pole	10					
Red Oak	3	XLog/Log	18					
Hemlock	5	Log	12					
Black Cherry	2	Pole	9					

7 4112 - Maple, Beech, Cherry Association Sawtimber Well 34.4 91 81-110 N/A Cut during the winter of 2019-2020 by Penegor's as part of Notter Hardwoods 11-012-18.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	45	Pole/Log	8	91	Red Maple	Low	>20 feet	>20 feet
Red Maple	35	Pole	8		Hemlock	Low	>20 feet	>20 feet
Yellow Birch	15	Pole	5		Sugar Maple	Medium	>20 feet	>20 feet
Hemlock	5	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
8	500 - Water	None	8.7			No	beaver flooding		
9	4112 - Maple, Beech, Cherry Association	Poletimber Well	48.5	93	81-110	N/A	Unit 2 of "Notter Hdwd" Unit was not cut. Stand was split from ne stand. +some scattered WP and Hem and Cedar. . Cut during the winter of 2019-2020 by Penegor's as part of Notter Hardwoods 11-012-18.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		40	Pole/Log	9	93	Yellow Birch	Low	>20 feet	>20 feet
Red Maple		40	Pole	7		Balsam Fir	Low	>20 feet	>20 feet
Yellow Birch		12	Pole	6		Red Maple	Medium	>20 feet	>20 feet
Balsam Fir		5	Pole	8		White Pine	Low	>20 feet	>20 feet
Northern White Cedar		3	Pole	7		Sugar Maple	Medium	>20 feet	>20 feet
10	4130 - Aspen	Sapling Well	1.4	7	1-50	N/A	Part of unit was cut during the winter of 2010-2011, as part of "Notter Hdwds." Cut during the winter of 2019-2020 by Penegor's as part of Notter Hardwoods 11-012-18.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		30	Sapling	1					
Quaking Aspen		60	Sapling	1	7				
Black Cherry		10	Sapling	1					
11	500 - Water	None	1.3			No	beaver flooding		
12	500 - Water	None	1.8			No	beaver flooding		
13	500 - Water	None	2.7			No	beaver flooding		
14	4112 - Maple, Beech, Cherry Association	Poletimber Well	38.0	81	81-110	N/A	Cut during the winter of 2019-2020 by Penegor's as part of Notter Hardwoods 11-012-18.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		50	Pole	8	81	Sugar Maple	Medium	>20 feet	>20 feet
Red Maple		40	Pole/Sapling	7	81	Red Maple	Medium	>20 feet	>20 feet
Yellow Birch		5	Pole	5		Yellow Birch	Low	>20 feet	>20 feet
Balsam Fir		3	Pole	5		Hemlock	Low	>20 feet	>20 feet
Hemlock		2	Pole	8		Balsam Fir	Low	10 - 20 feet	10 - 20 feet
15	4130 - Aspen	Poletimber Well	8.6	43	51-80	N/A	-Cut in 19821/9/2026 Possibly set up for harvest in 2038.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		85	Pole/Sapling	7	43	Ironwood	Low	10 - 20 feet	10 - 20 feet
Balsam Fir		5	Pole	6		Quaking Aspen	High	>20 feet	>20 feet
White Spruce		5	Pole	5		Balsam Fir	Medium	>20 feet	>20 feet
Red Maple		5	Pole/Sapling	5	43	White Spruce	Low	>20 feet	>20 feet
						Black Ash	Low	>20 feet	>20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
16	4112 - Maple, Beech, Cherry Association	Poletimber Well	25.3	81	81-110	N/A	Cut during the winter of 2019-2020 by Penegor's as part of Notter Hardwoods 11-012-18.																																																																		
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17	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	184.8	117	51-80	N/A	Stand consists of the Otter River gorge and lots of unnamed tributaries with steep slopes and wet areas.. RMZ																																																																		
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19	4112 - Maple, Beech, Cherry Association	Poletimber Well	119.1	84	81-110	N/A	-Cut in 2010-11 as part of "Sotter Hdwds" 11-012-08-01. -1/9/2025 BA ranged from 80-100 sq ft because of aspen removal. With the high percentage of red maple treat in 2028. I would recommend aggressive gap selection to promote regeneration on a 30 year rotation.																																																																		
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20	122 - Road/Parking Lot	None	15.7			No	M-39. Otter Siding Road, Chine Road.																																																																		
21	500 - Water	None	2.4			No																																																																			



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23	4112 - Maple, Beech, Cherry Association	Sapling Poor	27.1	10	1-50	N/A	Cut as part of "Appollo Hdwds_MWR" 11-25-17 during the winter of 2018/19. Sprayed and Scarified in the fall of 2020 by DNR staff. Cut- some ash dieback. Cut in 2002. heartburn hdwd.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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27 622 - Lowland Shrub None 26.0 No Greenier Creek Corridor.

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Variable
White Spruce	Medium	Variable	Variable
Red Maple	Low	Variable	Variable
Yellow Birch	Low	Variable	Variable

28 4112 - Maple, Beech, Cherry Association Poletimber Well 11.1 104 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Pole	9	104
Red Maple	20	Pole	6	
Quaking Aspen	5	Log	12	
Hemlock	5	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	>20 feet	>20 feet
Red Maple	Medium	>20 feet	>20 feet

29 4116 - Mixed N. Hardwood - Aspen Poletimber Well 35.3 79 51-80 N/A Stand split from stand 19. lots of aspen removed. good aspen regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Pole	8	79
Red Maple	35	Pole	8	79
Balsam Fir	5	Sapling/Pole	4	
White Spruce	5	Sapling/Pole	4	
Black Cherry	5	Sapling/Pole	4	
Quaking Aspen	20	Sapling	1	14
Hemlock	10	Log	10	

30 4112 - Maple, Beech, Cherry Association Poletimber Well 6.2 104 111-140 N/A did not make it to this stand in 2016.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Pole	9	104
Red Maple	15	Pole	6	
Yellow Birch	2	Pole	8	
Quaking Aspen	5	Log	12	
Hemlock	5	Log	14	
Black Cherry	3	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	>20 feet	>20 feet
Red Maple	Medium	>20 feet	>20 feet

31 4110 - Sugar Maple Association Sawtimber Well 70.2 91 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	86	Log/Pole	10	91
Yellow Birch	10	Pole	7	
Hemlock	2	Log	12	
Black Cherry	2	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	>20 feet
Sugar Maple	Medium	>20 feet	>20 feet
Yellow Birch	Low	>20 feet	>20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
32	4130 - Aspen	Sapling Well	2.5	7	1-50	N/A	Clear cut no reserves. Cut during the winter of 2019-2020 by Penegor's as part of Notter Hardwoods 11-012-18.																																																																
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33	4112 - Maple, Beech, Cherry Association	Sawtimber Well	30.2	66	51-80	N/A	Cut in 2019-20 as "Roloids Hardwoods" 11-013-18 by Penegor's.																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37 4112 - Maple, Beech, Cherry Association Poletimber Well 21.7 93 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	Pole/Log	9	93	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	45	Pole	7	93	Sugar Maple	Full	Variable	Variable
Yellow Birch	15	Pole	6		Yellow Birch	Low	>20 feet	>20 feet
Northern White Cedar	1	Log	12		White Pine	Low	>20 feet	>20 feet
White Pine	1	XLog	20		Red Maple	Full	Variable	Variable
Hemlock	3	Log	15					
Black Cherry	5	Log/Pole	10					

38 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.9 79 81-110 N/A was cut in 2010-11 as part of "Sotter Hdws" 11-012-08-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log	11	79	Yellow Birch	Low	>20 feet	>20 feet
Red Maple	20	Pole/Log	9		Sugar Maple	Full	Variable	Variable
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41 500 - Water None 5.4 No