Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11055
Entry Year 2028
Acreage: 1,399
County: Houghton
Management Area: Houghton Hardwoods

Stand Examiner: Fred Hansen

Legal Description:

Elm River Township
T52N, R36W, Sections 23, 27, 28, 29 and 30

Identified Planning Goals:

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

Soil and topography:

The topography is level to rolling. Upland soils are: Graveraet loam, Liminga fine sand, Halfaday-AuGras sands, Munising loamy fine sand, Kalkaska sand, Skanee-Gay complex (fine sandy loam and loamy sand). Wetland soils are: Lupton muck and Gay muck.

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

State land borders the compartment to the south of section 28. Several small parcels of private ownership border the compartment throughout 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, this is primarily due to the fact that the town of Winona is adjacent to the compartment in section 29. The remainder of the bordering land 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 herbaceous species such as American shore grass, lakecress, Farwell's water-milfoil, alternate leaved water-milfoil and starwort in the lake. Loons have been observed in Lake Roland along with Eagles.

Archeological, Historical, and Cultural Features:

There are some old mine shafts in the compartment. The "Military Road" connecting Fort Wilkins with Fort Howard (Green Bay) crossed this compartment.

Special Management Designations or Considerations:

BMP guidelines should be followed around the intermittent streams which are all tributaries leading into lake Roland and surrounding smaller lakes.

Watershed and Fisheries Considerations:

This compartment contains Red Creek and Sleepy Creek, which are designated trout streams. It also contains three unnamed designated trout streams. Bob Hall Lake, an unnamed lake, and six pond/wetland areas are also in the compartment. Maintain the riparian buffers to the high bank of the valley wall for the rivers/streams located in stand 7, 5, 6, and 44. Implement and maintain a riparian buffer to the high bank of the valley wall on the unnamed trout stream located in stand 45. Implement a 300 ft buffer in stand 18 to discourage aspen regeneration and reduce beaver activity on the unnamed designated trout stream in stand 14. Maintain the buffers that have been implemented around the lakes/wetlands in the compartment.

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. There is also a deer wintering complex in this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarsetextured glacial till and glacial outwash sand & gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone and the Portage Lake Volcanics subcrop below the glacial drift. The Jacobsville was previously used as a building stone and the Portage Lake has been mined for copper in this area. A gravel pit is located in Section 29 and potential appears to be good. Abandoned

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copper mines and crushed basalt piles are located in the Compartment. This area was previously leased for metallic development. There is no economic oil and gas production in the UP.

Vehicle Access:

M-26 is a state highway which runs through the compartment, Emily Lake Road is a county road which borders state land in Section 27, the Winona Tower road accesses state land in section 29, there is access to section 30 off the Winona road in section 30 and section 23 may be accessed of the Twin Lakes. There is access throughout the compartment through numerous logging roads.

Survey Needs:

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

Recreational Facilities and Opportunities:

The former Copper Range Railroad – now the Bill Nichols trail, crosses the compartment. The snowmobile trail from Winona to Alston also crosses part of the compartment. The large expanse of continuous forest offers excellent opportunities for large and small game hunting. There are good fishing opportunities in the surrounding area as Lakes Roland, Gerald, Bob Hall and an Un-named lake are very close as well as there tributaries and Sleepy Creek.

Fire Protection:

This compartment has little to no potential for a large fire with the primary cover type being northern hardwoods. Its proximity to the Twin Lakes field office will also help to keep fires small.

Additional Compartment Information:

The following reports from the Inventory are attached:

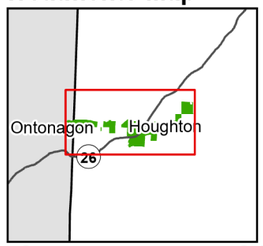
- **Total Acres by Cover Type and Age Class**
- **Cover Type by Harvest Method**
- **Proposed Treatments – No Limiting Factors**
- **Proposed Treatments – With Limiting Factors**
- **Stand Details (Forested and Nonforested)**
- **Dedicated and Proposed Special Conservation Areas**
- **Site Condition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

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Cover Type & Treatments Map



N

0 0.5 1 Miles

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T52N, R36W, Sec: 19-24, 26-30
County: Houghton
Unit: Baraga
Mgmt. Area: Houghton Hardwoods
YOE: 2028
Acres: 1,399 GIS Calculated
Examiner: Fred Hansen
Date Exported: 06/18/2026
Map Phase: Post Review

- Survey Grade Corners
- Culvert
- Boating Access Site
- Designated Hiking Pathway
- Designated Ski Trails
- Designated Snowshoe Trails
- Designated ORV Routes
- Designated Snowmobile
- Railtrail
- DNR - Primary Forest Road
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- Streams
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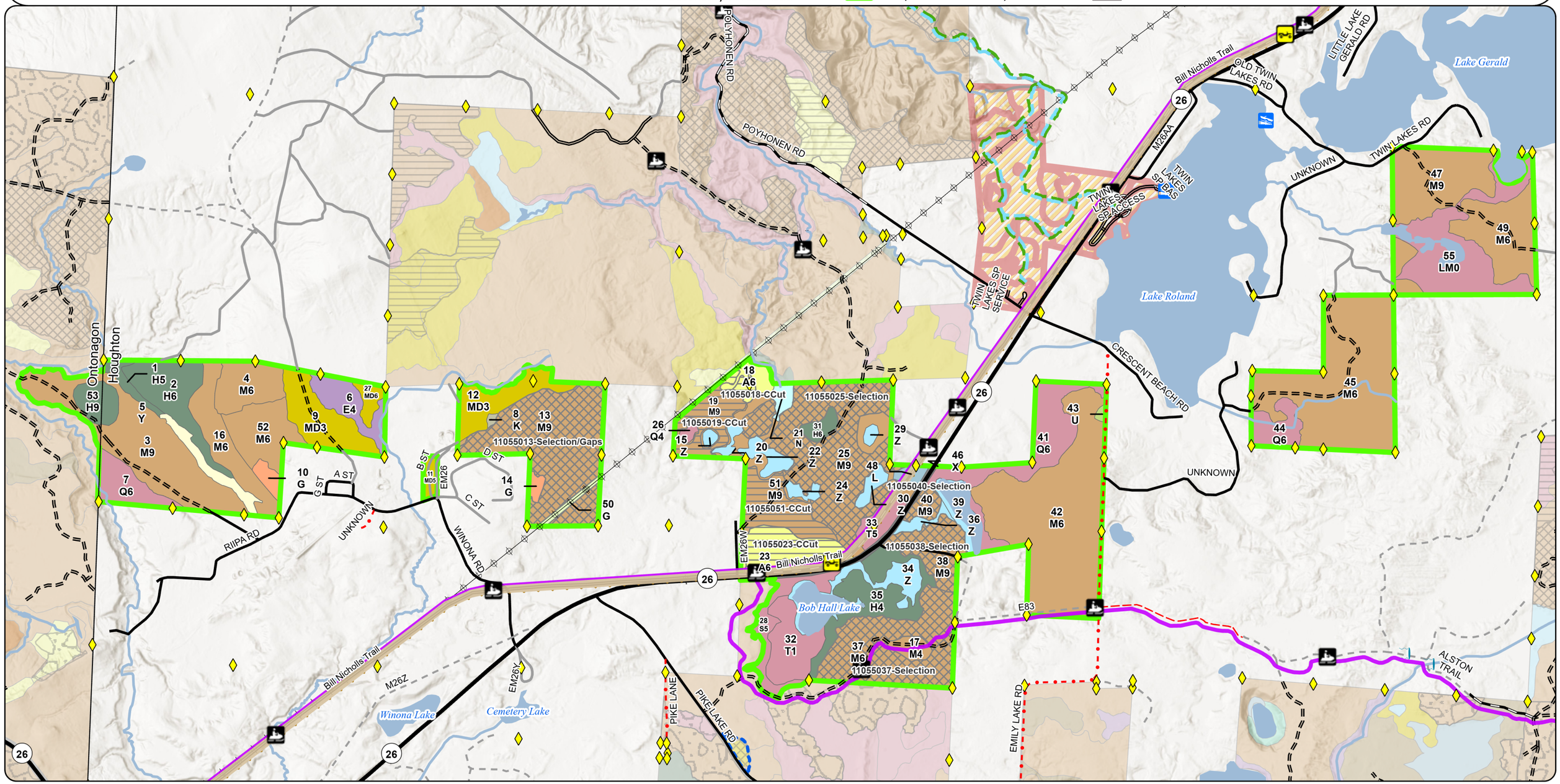
- Electric
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Decidous
- 423 - Other Upland Conifers
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 222 - Orchards/Vineyard/Nursery
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand, Soil
- 720 - Exposed Rock



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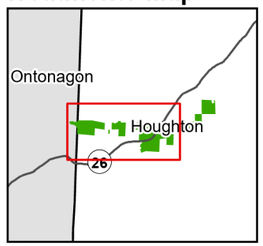

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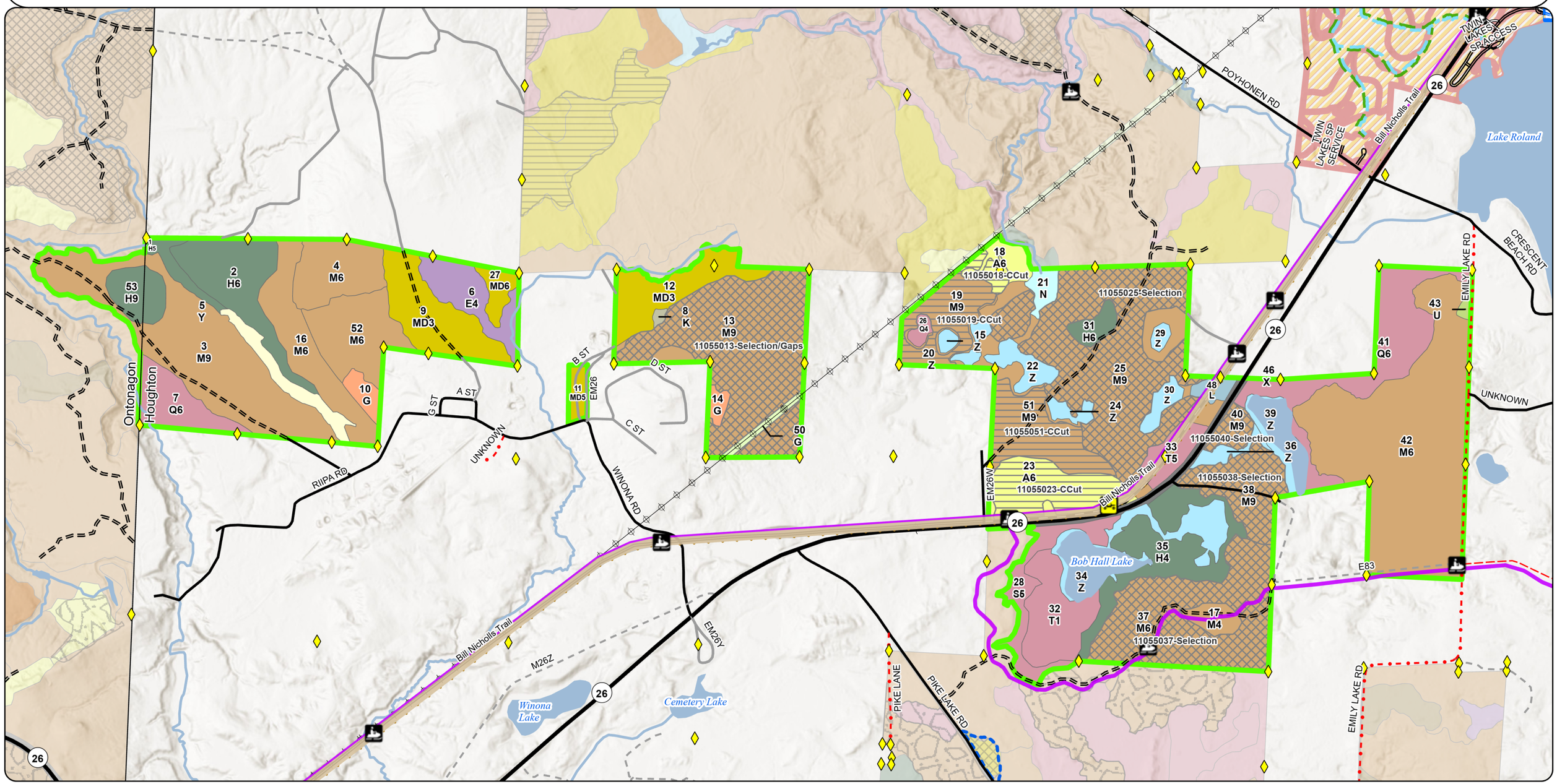

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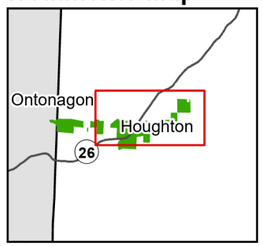

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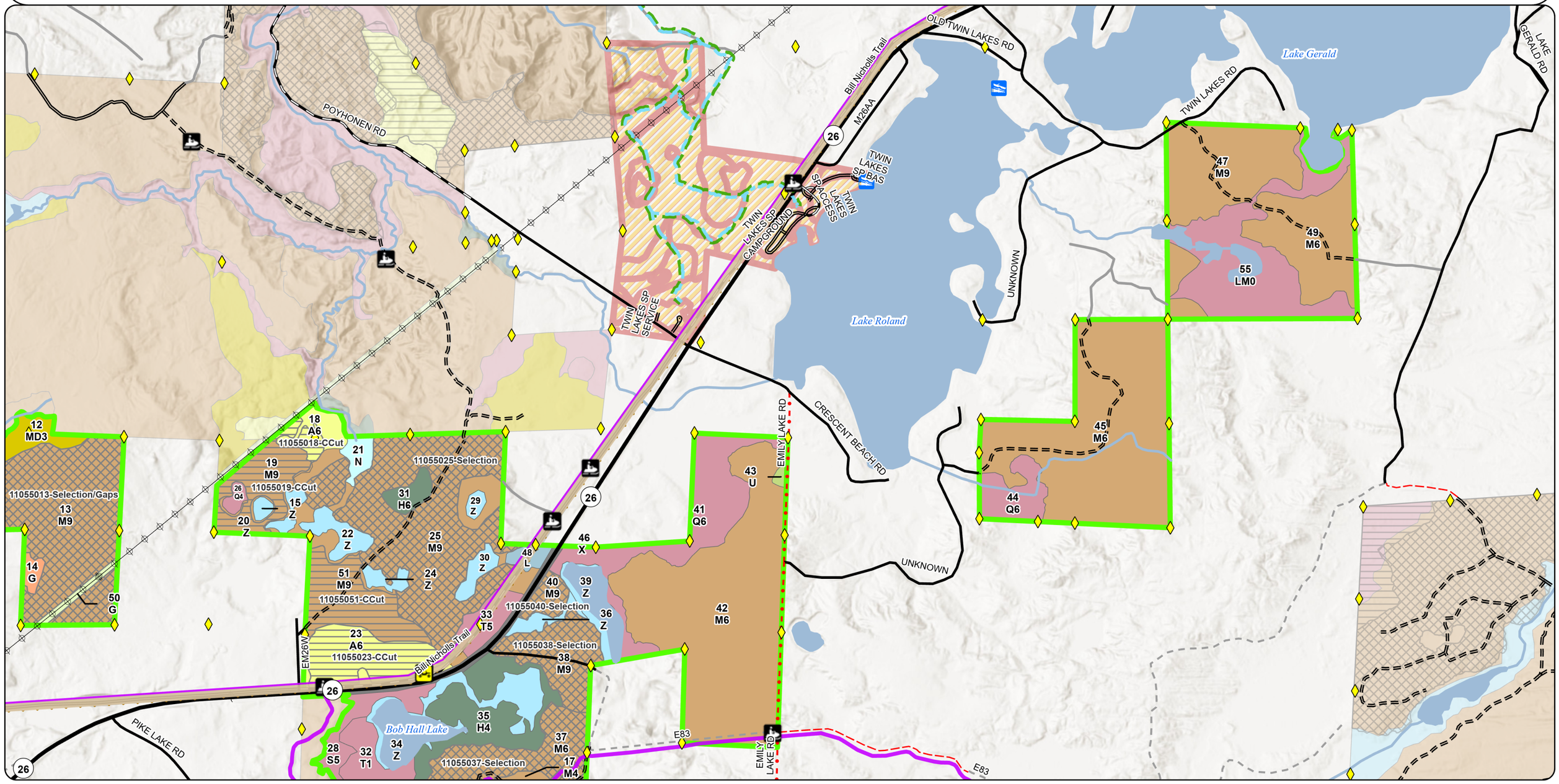
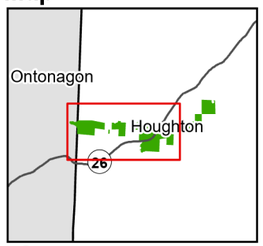


Stand Boundary Map



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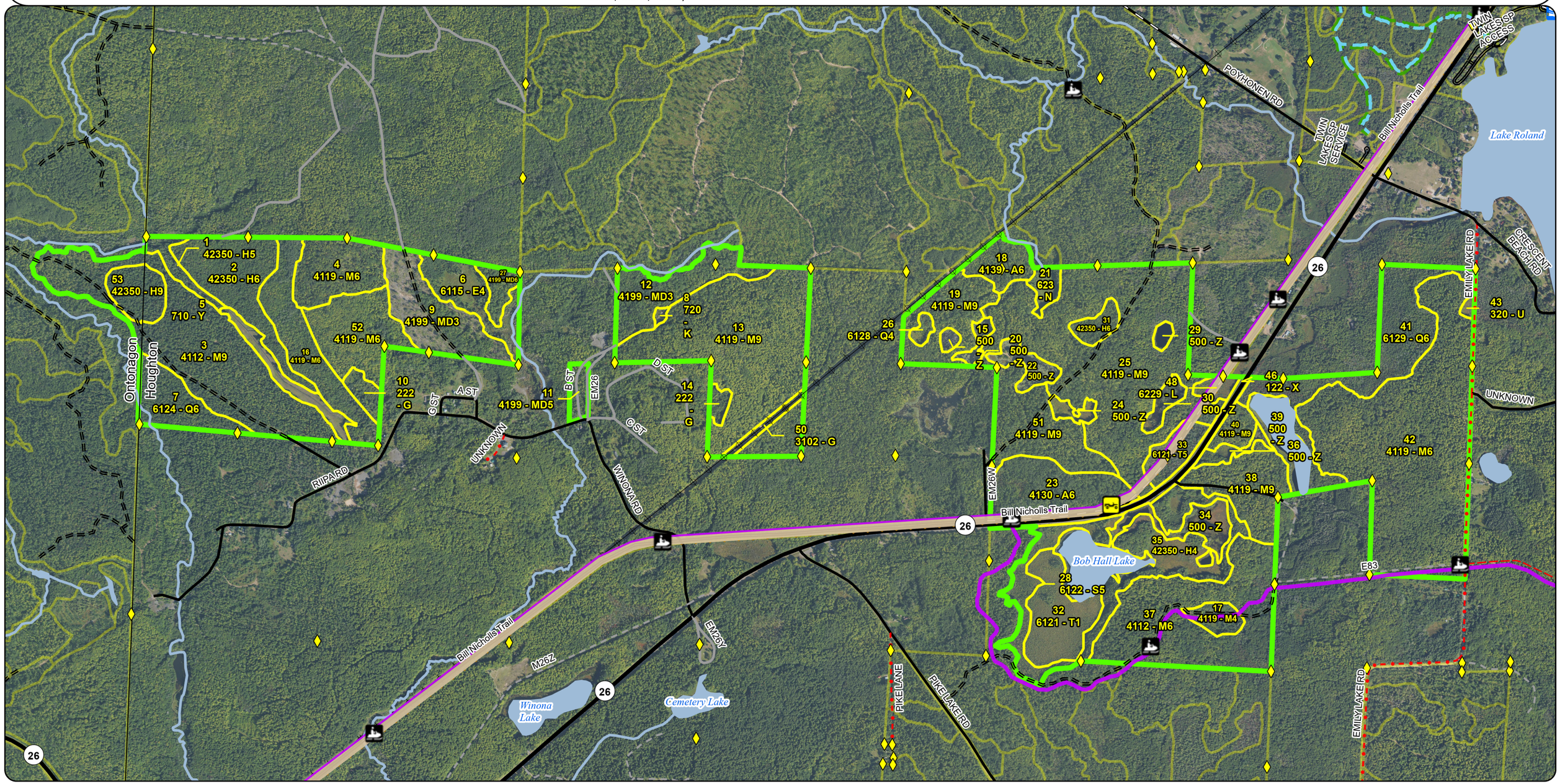

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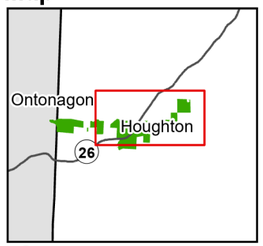

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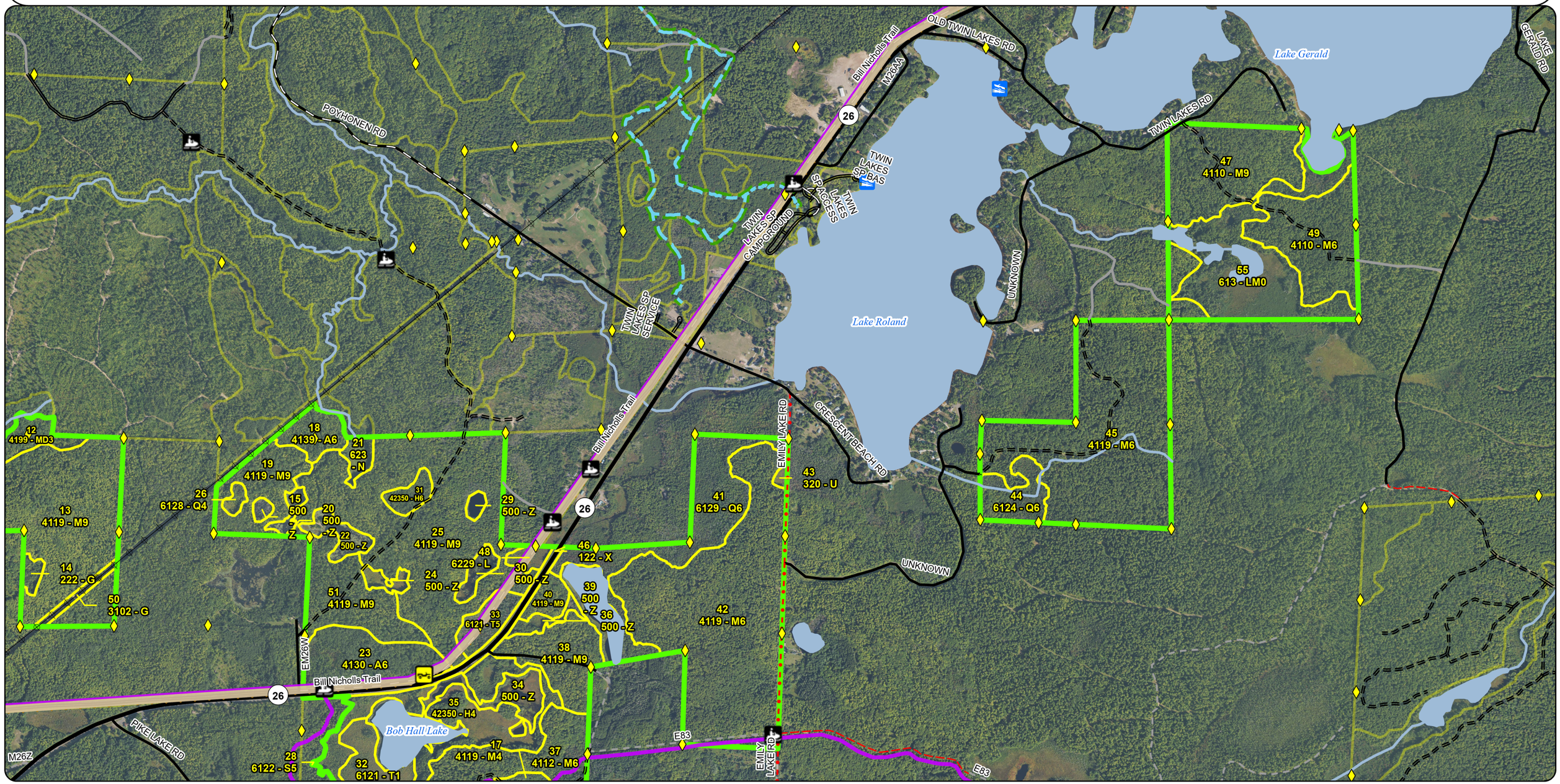
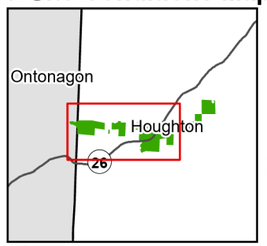


Special Conservation Areas & Site Conditions Map



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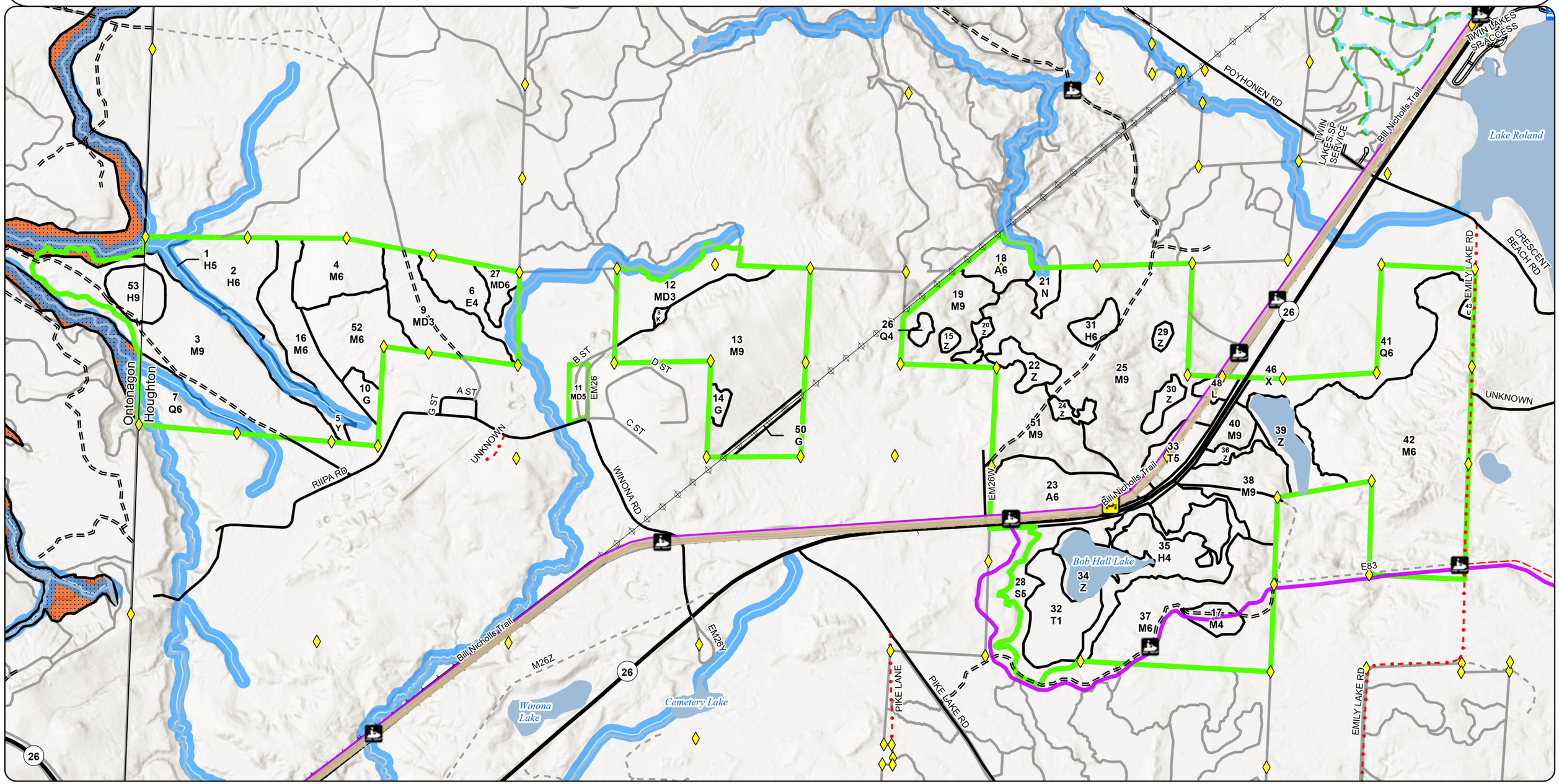

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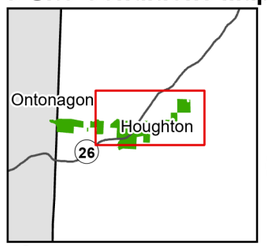

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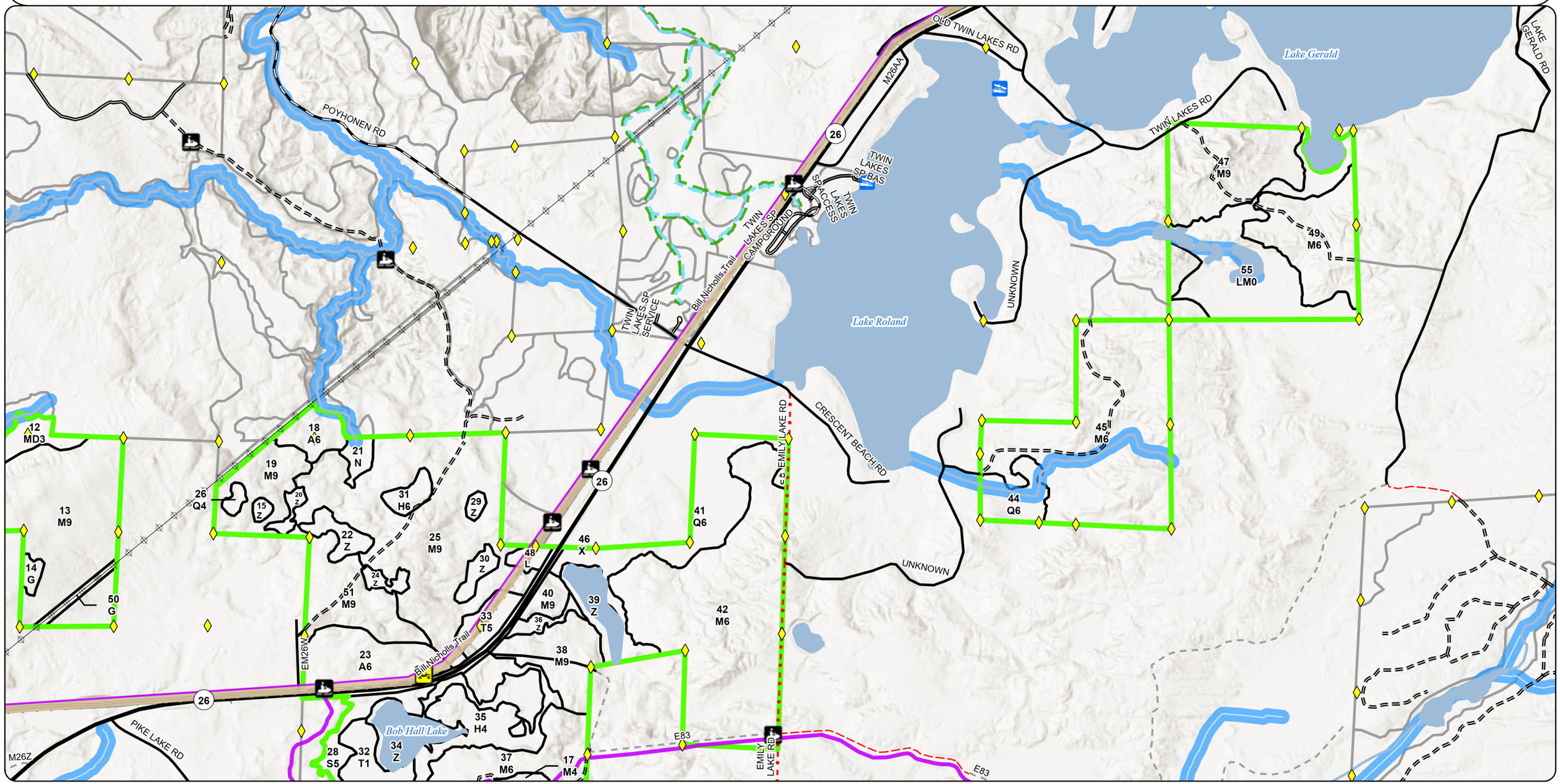

Report 1 – Total Acres by Cover Type and Age Class

Baraga Mgt. Unit **Compartment 55** **Year of Entry 2028**

Fred Hansen: 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	0	0	41	0	0	0	0	0	0	0	0	0	0	0	**41**
Cropland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**8**
Exposed Rock	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Hemlock	0	0	0	0	0	0	0	0	38	35	0	6	0	12	0	0	0	0	**91**
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Lowland Conifers	0	0	0	0	0	0	0	43	19	2	15	0	0	0	0	0	0	0	**78**
Lowland Deciduous	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	**19**
Lowland Mixed Forest	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**61**
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**4**
Lowland Spruce/Fir	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	**18**
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Mixed Upland Deciduous	0	56	0	0	0	0	5	0	0	6	0	0	0	0	0	0	0	0	**67**
Northern Hardwood	0	0	0	0	0	0	0	64	0	237	0	579	0	0	0	0	0	0	**880**
Sand, Soil	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
Tamarack	0	0	0	0	0	0	25	0	10	0	0	0	0	0	0	0	0	0	**35**
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Urban	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**12**
Water	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**67**
Total	**172**	**56**	**0**	**0**	**0**	**0**	**71**	**125**	**67**	**299**	**15**	**585**	**0**	**12**	**0**	**0**	**0**	**0**	**1401**

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Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2028

Compartment 55
Total Compartment Acres: 1,399

Acres of Harvest

Commercial Harvest - 744
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	32	0	0	0	0	0	0	0	0	**32**
Northern Hardwood	49	292	0	0	0	0	0	0	0	**341**
Total	**81**	**292**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**373**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	373	0	0	0	0	0	0	0	0	**373**
Next Step	0	0	0	0	0	0	373	0	0	**373**
Total	**373**	**0**	**0**	**0**	**0**	**0**	**373**	**0**	**0**	**746**

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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
13	11055013-Selection/Gaps	90.3	4119 - Mixed Northern Hardwoods	9	101	111-140	Harvest	Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	No

Prescription Specs: Selectively thin hardwoods to a target of 70 square feet of basal area. Favor leaving red oak and white pine and do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average basal area of 60 sq ft. Where 30 sq ft o

Next Step Treatments: Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Any combination of the original stands over story species prior to harvest.

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

Site Condition:

Proposed Start Date: 10/01/2027

18	11055018-CCut	4.4	4139 - Aspen, Mixed Deciduous	6	51	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No

Prescription Specs: Harvest all species down to 4.6" DBH except hemlock, cedar, white pine and unmarked oak. Oak may be marked to cut where BA of oak is higher than 20 sq ft. Also, reserve all trees 22" DBH and larger, if present. Buffer east side of road to protect creek p

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

Acceptable Regen: Any combination of the original stands over story species prior to harvest.

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

Site Condition:

Proposed Start Date: 10/01/2027

19	11055019-CCut	20.9	4119 - Mixed Northern Hardwoods	9	84	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Two-Aged	No

Prescription Specs: Harvest all species down to 4.6" DBH except hemlock, cedar, white pine and unmarked oak. Oak may be marked to cut where BA of oak is higher than 20 sq ft. Also, reserve all trees 22" DBH and larger, if present.

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

Acceptable Regen: Any combination of the original stands over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of reserve tree species and excluded areas between/around beaver floodings and drainages.

Site Condition:

Proposed Start Date: 10/01/2027

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
23	11055023-CCut	27.3	4130 - Aspen	6	58	51-80	Harvest	Clearcut	4130 - Aspen	Even-Aged	No

Prescription Specs: Harvest all species down to 4.6" DBH except hemlock, cedar, white pine and unmarked oak. Oak may be marked to cut where BA of oak is higher than 20 sq ft. Also, reserve all trees 22" DBH and larger, if present.Add Snowmobile Spec.

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 And excluded area between Bill Nichols Trail and M-26 highway.

Site Condition:

Proposed Start Date: 10/01/2027

25	11055025-Selection	102.6	4119 - Mixed Northern Hardwoods	9	106	81-110	Harvest	Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Favor to leave: red oak, hemlock, white pine and cedar, where present. Red oak should be released on 3 sides to an average basal area of 60 sqft. Where 30 sqft or more of hemlock occurs thi

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 tree species of the dominant cover type and reserve tree species.

Site Condition:

Proposed Start Date: 10/01/2027

37	11055037-Selection	67.8	4112 - Maple, Beech, Cherry Association	6	104	81-110	Harvest	Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Favor to leave: red oak, hemlock, white pine and cedar, where present. Red oak should be released on 3 sides to an average basal area of 60 sqft. Where 30 sqft or more of hemlock occurs thi

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

Acceptable Regen: Any combination of the original stands over story species prior to harvest.

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

Site Condition:

Proposed Start Date: 10/01/2027

38	11055038-Selection	25.3	4119 - Mixed Northern Hardwoods	9	100	111-140	Harvest	Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Favor to leave: red oak, hemlock, white pine and cedar, where present. Red oak should be released on 3 sides to an average basal area of 60 sqft. Where 30 sqft or more of hemlock occurs thi

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 tree species of the dominant cover type and reserve tree species.

Site Condition:

Proposed Start Date: 10/01/2027

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
40	11055040-Selection	6.3	4119 - Mixed Northern Hardwoods	9	100	111-140	Harvest	Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Favor to leave: red oak, hemlock, white pine and cedar, where present. Red oak should be released on 3 sides to an average basal area of 60 sqft. Where 30 sqft or more of hemlock occurs thi

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 tree species of the dominant cover type and reserve tree species.

Site Condition:

Proposed Start Date: 10/01/2027

51	11055051-CCut	28.0	4119 - Mixed Northern Hardwoods	9	106	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Two-Aged	No

Prescription Specs: Harvest all species down to 4.6 inches DBH except hemlock, cedar and white pine and un-marked oak. Oak may be marked to cut where BA of oak is higher than 20 BA. Also reserve all trees 22 inches DBH and larger, if present.Add Snowmobile Spec.

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 and excluded areas between/around beaver floodings and drainages.

Site Condition:

Proposed Start Date: 10/01/2027

Total Treatment Acreage Proposed: **372.9**

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Report 4 – Site Conditions

Baraga Mgt. Unit

Fred Hansen: Examiner

Compartment: 55

Year of Entry: 2028

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		1B	1C	2A	2G	3J	5E
				Dominant Site Conditions						
10	0	*0*	10	**Aspen**		5				5
8	8	*0*	0	**Cropland**						
1	1	*0*	0	**Exposed Rock**						
91	44	*0*	47	**Hemlock**				6	41	
3	3	*0*	0	**Herbaceous Openland**						
78	2	*0*	76	**Lowland Conifers**				57	19	
19	0	*0*	19	**Lowland Deciduous**				19		
61	61	*0*	0	**Lowland Mixed Forest**						
4	4	*0*	0	**Lowland Shrub**						
18	0	*0*	18	**Lowland Spruce/Fir**				3	14	
5	5	*0*	0	**Marsh**						
66	56	*0*	11	**Mixed Upland Deciduous**	5		6			
718	706	*0*	12	**Northern Hardwood**				7		6
10	0	*0*	10	**Sand, Soil**					10	
34	0	*0*	34	**Tamarack**				10	24	
1	1	*0*	0	**Upland Shrub**						
12	12	*0*	0	**Urban**						
67	35	*0*	32	**Water**					32	
1,205	937		268	Total Forested Acres	5	5	6	102	140	10
	78%		22%	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**	**2A: Adjacent landowner denied access**	6	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

2026: Was part of Rookery Oak, but never cut. Landowner denied access.

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

2	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Rehabilitated Superfund site. Stamp sand was covered by soil							
7	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	19	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments:							

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

8	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	102	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	**Unavailable**	**5E: Long-Term Retention**	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
13	**Unavailable**	**1B: Non-DNR agency concerns (e.g. USFS)**	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: archaeolgy site							

14	**Unavailable**	**1C: Other Dept. or Div. process**	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Buffered for Fish Division.							
15	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	7	3J: Water quality/BMPs (stream, river, or lake)	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

Comments

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Report 7 – Stands

Compartment: 55
Year of Entry: 2028

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	42350 - Upland Hemlock	Poletimber Medium	6.0	79	81-110	N/A	2026: Intermittent drainage flowing into Red Creek to the north.
2	42350 - Upland Hemlock	Poletimber Well	31.9	79	81-110	N/A	2018: Hemlock stand. Old road bed through the north of the stand that comes from the west side of the creek.2026: Lots of drainages running west to Stand 1. Heavy hemlock understory.
3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	79.3	105	81-110	N/A	2016: Quart Short Hdwd- cut in 1998, small patches of balsam and hemlock.2023: Harvested the winter of 2021-2022 Quart Short Hdwds
4	4119 - Mixed Northern Hardwoods	Poletimber Well	23.3	105	81-110	N/A	2023: Some super canopy oak, some small balsam.Harvested the winter of 2021-2022 Quart Short Hdwds Had ash salvaged so BA is lower.

1

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	8	
Sugar Maple	5	Pole	7	
Red Maple	10	Pole	7	
Yellow Birch	10	Pole	8	
Quaking Aspen	5	Log/Pole	10	
White Spruce	5	Log/Pole	10	
Hemlock	50	Log	16	79
Northern White Cedar	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	>20 feet	>20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
Hemlock	Medium	>20 feet	>20 feet

2

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	8	
Sugar Maple	5	Pole	7	
Red Maple	10	Pole	7	
Yellow Birch	10	Pole	8	
Quaking Aspen	5	Log/Pole	10	
White Spruce	5	Log/Pole	10	
Hemlock	50	Log	16	79
Northern White Cedar	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Low	>20 feet	>20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
Hemlock	Medium	>20 feet	>20 feet

3

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	40	Log/Pole	12	
Red Maple	45	Log/Pole	12	105
Yellow Birch	5	Log	14	
Black Cherry	5	Log/Pole	12	
Hemlock	5	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	>20 feet	>20 feet
Red Maple	High	>20 feet	>20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet
Hemlock	High	>20 feet	>20 feet

4

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole	8	105
Red Oak	30	Log	17	105
Sugar Maple	25	Log/Pole	12	
Yellow Birch	5	Log	14	
Basswood	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
White Ash	High	< 5 feet	< 5 feet
Red Maple	Medium	>20 feet	>20 feet
Ironwood	Medium	>20 feet	>20 feet
Yellow Birch	Low	>20 feet	>20 feet
Red Oak	Low	>20 feet	>20 feet
Sugar Maple	Low	>20 feet	>20 feet

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
5	710 - Sand, Soil	None	10.1			No	Capped (aprx 2008) stamp sand on either side of a creek.
6	6115 - Lowland Ash	Poletimber Poor	18.7	81	1-50	N/A	Flooded ash pocket
7	6124 - Lowland Spruce-Fir	Poletimber Well	18.6	74	Unspecified	N/A	2016: Gully with drainages. Very steep slopes.
8	720 - Exposed Rock	None	0.8			No	Mine pits.
9	4199 - Other Mixed Upland Deciduous	Sapling Well	30.5	3	1-50	N/A	Cut winters 2021-2022, 2022-2023, and 2024-2025 Rookery Oak.2016: some small hemlock
10	222 - Orchards/Vineyards/Nursery	None	5.0			No	2018: Some scattered apple trees.2028: Converting to forested. Mostly apple trees
11	4199 - Other Mixed Upland Deciduous	Poletimber Medium	4.7	58	51-80	N/A	

Stand 6

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	
Black Ash	95	Pole	8	81

Stand 7

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	45	Pole	6	74
White Spruce	5	Log	10	
White Pine	5	XLog	18	
Hemlock	45	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet
Yellow Birch	Low	>20 feet	>20 feet
Hemlock	High	>20 feet	>20 feet

Stand 9

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Sapling	1	3
White Ash	10	Sapling	1	
Red Oak	10	Log/Pole	12	80
Red Oak	40	Sapling	1	3

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Medium	>20 feet	>20 feet
Hemlock	Medium	5 - 10 feet	5 - 10 feet
Ironwood	Medium	>20 feet	>20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet

Stand 10

Sub-Canopy Species	Density	Avg. Height	Size
Apple (spp.)	High	10 - 20 feet	10 - 20 feet
White Spruce	Medium	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet

Stand 11

Canopy Species	% Cover	Size Class	DBH	Age
Apple (spp.)	60	Pole	5	58
Quaking Aspen	30	Log	12	
Red Maple	10	Log/Pole	10	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
12	4199 - Other Mixed Upland Deciduous	Sapling Well	25.0	2	1-50	N/A	Stand Cut winter 2022-2023 and 2024-2025 Rookery Oak.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Sapling	1	
Red Maple	15	Sapling	1	
Yellow Birch	2	Pole	6	
Basswood	10	Sapling	1	
White Ash	3	Sapling	1	
Red Oak	10	Log/Pole	12	84
Red Oak	45	Sapling	1	2

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	4119 - Mixed Northern Hardwoods	Sawtimber Well	93.3	101	111-140	N/A	2006: Selection Harvest in 2000, Tucan Block.2016: A few elm, LOTS of ash regen. Scattered Oak2026: Large diameter ash has died, Top die back. Understory is heavy to 2-3" trees, mostly ash. There is a radio tower on the west side of this stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	35	Log	12	101
Red Maple	20	Log/Pole	10	
Yellow Birch	5	Log/Pole	10	
Basswood	20	Log/Pole	11	
Red Oak	20	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	10 - 20 feet	10 - 20 feet
White Ash	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	222 - Orchards/Vineyards/Nursery	None	2.9			No	Some scattered apple trees.

Sub-Canopy Species	Density	Avg. Height	Size
Apple (spp.)	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	500 - Water	None	1.6			No	Flooded out.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
16	4119 - Mixed Northern Hardwoods	Poletimber Well	29.2	65	81-110	N/A	2026: Look to treat for 2038 with adjacent stands. Possible final harvest at that time. Poor quality hardwoods.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Pole	8	65
Sugar Maple	35	Pole	8	
Yellow Birch	10	Pole	8	
Basswood	5	Log/Pole	10	
Quaking Aspen	5	Log/Pole	10	
White Spruce	3	Log/Pole	10	
Balsam Fir	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Hemlock	Low	Variable	Variable
Balsam Fir	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
17	4119 - Mixed Northern Hardwoods	Poletimber Poor	6.1	60	1-50	N/A	Old pasture. Scattered trees.

Canopy Species	% Cover	Size Class	DBH	Age
Apple (spp.)	10	Pole/Sapling	6	
White Ash	30	Pole/Sapling	6	
Red Maple	40	Pole/Sapling	6	60
Red Oak	20	Pole/Sapling	6	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	4139 - Aspen, Mixed Deciduous	Poletimber Well	10.9	51	81-110	N/A	2026: Buffer east side of road to protect creek per Fish division request

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Pole	7	
Red Maple	20	Pole	7	
Yellow Birch	5	Log/Pole	10	
Basswood	5	Log	12	
White Ash	5	Pole	6	
Red Oak	2	Log	14	
Quaking Aspen	45	Pole	8	51
White Spruce	3	Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Full	Variable	Variable
Maple (spp.)	Full	Variable	Variable
Balsam Fir	Medium	Variable	Variable
White Spruce	Medium	>20 feet	>20 feet
White Ash	Full	Variable	Variable
Hemlock	Medium	>20 feet	>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	23.2	84	81-110	N/A	2006: selection cut in 2000, Tucan Block.2016: aspen was removed, lots of aspen regen under the hdwd. Some areas of lower BA due to aspen removal.2026: Some die back.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	29	Log/Pole	10	
Red Maple	35	Log/Pole	10	84
Yellow Birch	5	Pole/Log	8	
Red Oak	23	Log	16	
Hemlock	8	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Quaking Aspen	High	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
Hemlock	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	500 - Water	None	3.0			No	
21	623 - Emergent Wetland	None	4.8			No	
22	500 - Water	None	7.4			No	
23	4130 - Aspen	Poletimber Well	30.5	58	51-80	N/A	2016: cut in 1970 - scattered white pine

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	7	
Quaking Aspen	90	Pole	8	58
Balsam Fir	3	Pole	7	
White Spruce	2	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Quaking Aspen	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	500 - Water	None	3.4			No	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	4119 - Mixed Northern Hardwoods	Sawtimber Well	119.4	106	81-110	N/A	2016: Cut in the winter of 2010-2011 as part of "Beaver Haven" 11-013-08-01Parts of the stand were under planted to white pine and hemlock by WLD in ~2012

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45	Pole/Log	8	106
Red Maple	15	Pole/Log	7	
Yellow Birch	5	Pole	6	
Basswood	10	Log	12	
Red Oak	25	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Hemlock	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	2.2	84	1-50	N/A	2006: selection cut in 2000, Tucan Block.2016: aspen was removed, lots of aspen regen under the hdwd. Some areas of lower BA due to aspen removal.2026:" Beaver Flooding.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Log/Pole	10	
Red Maple	15	Log/Pole	10	84
Yellow Birch	1	Pole/Log	8	
Hemlock	79	Log	16	84

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	>20 feet	>20 feet
Quaking Aspen	High	10 - 20 feet	10 - 20 feet
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
27	4199 - Other Mixed Upland Deciduous	Poletimber Well	6.2	80	81-110	N/A	2025: Not treated with Rookery Oak b/c of no access. Access was denied. some small hemlock

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Pole	8	
White Ash	10	Pole	8	
Red Oak	50	Log	16	80

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	>20 feet	>20 feet
Ironwood	Medium	>20 feet	>20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
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
28	6122 - Black Spruce	Poletimber Medium	17.7	67	1-50	N/A	WET black spruce along edge of bog with some tag and tamarack.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	4	
Black Spruce	70	Pole	6	67
Tamarack	20	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	500 - Water	None	1.9			No	
30	500 - Water	None	4.8			No	

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	42350 - Upland Hemlock	Poletimber Well	5.6	106	51-80	N/A	2016: Cut in the winter of 2010-2011 as part of "Beaver Haven" 11-013-08-01Parts of the stand were under planted to white pine and hemlock by WLD in ~2012

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole/Log	8	106
Red Maple	15	Pole/Log	7	
Yellow Birch	5	Pole	6	
Hemlock	60	Log/Pole	12	106
White Spruce	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	10 - 20 feet	10 - 20 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	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
32	6121 - Tamarack	Sapling Poor	25.2	58	1-50	N/A	Sparsely treed bog

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	50	Sapling	3	58
Tamarack	50	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	6121 - Tamarack	Poletimber Medium	9.8	75	1-50	N/A	Wet "ditch" along the Nichols gradeT4 or T5 stand

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	5	
Black Spruce	5	Pole	9	
Tamarack	90	Pole/Sapling	7	75

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	10 - 20 feet	10 - 20 feet
Black Spruce	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	500 - Water	None	28.1			No	Bob Hall Lake

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
35	42350 - Upland Hemlock	Poletimber Poor	34.9	85		N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	70	Log	14	85
White Spruce	10	Log	10	
White Pine	5	XLog	18	
Red Maple	10	Log/Pole	10	
Quaking Aspen	2	Log	12	
Northern White Cedar	3	Pole	9	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
36	500 - Water	None	4.1			No	

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
37	4112 - Maple, Beech, Cherry Association	Poletimber Well	67.8	104	81-110	N/A	Cut 1988 as Bob Hall Lake Hdwds 11-003-88-01North East part of stand was also thinned through in 1998 as part of Old Coot Hdwd 11-004-98-01Harvested in 2008, Skeeter Haven 11-014-08-01

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	5	Log/Pole	10	
Sugar Maple	37	Pole/Log	8	104
Red Maple	45	Pole	8	104
Yellow Birch	5	Pole	7	
Hemlock	3	Log	16	
Red Oak	5	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	>20 feet	>20 feet
Hemlock	Low	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet
Balsam Fir	Low	10 - 20 feet	10 - 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
38	4119 - Mixed Northern Hardwoods	Sawtimber Well	25.3	100	111-140	N/A	Old coot Hdwd 1998 11-004-98-01 Hold to balance harvest acres in the compartment. Poor quality timber. Look to cut in 2028.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	33	Log	11	
Red Maple	40	Log/Pole	10	100
Yellow Birch	2	Log/Pole	10	
Basswood	10	Log/Pole	10	
Hemlock	5	Pole/Sap/Log	9	
Red Oak	8	Log	16	
Black Ash	2	Pole/Log	9	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	500 - Water	None	12.5			No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
40	4119 - Mixed Northern Hardwoods	Sawtimber Well	6.3	100	111-140	N/A	Old coot Hdwd 1998 11-004-98-01

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	33	Log	11	
Red Maple	40	Log/Pole	10	100
Yellow Birch	2	Log/Pole	10	
Basswood	10	Log/Pole	10	
Hemlock	5	Pole/Sap/Log	9	
Red Oak	8	Log	16	
Black Ash	2	Pole/Log	9	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
41	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	43.3	65	81-110	N/A	Very wet ground.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Balsam Fir	20	Pole/Log	5	
White Spruce	20	Pole	5	
Northern White Cedar	10	Pole	5	
Tamarack	30	Pole	8	65
White Pine	5	XLog	18	
Black Ash	5	Pole	8	

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
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
42	4119 - Mixed Northern Hardwoods	Poletimber Well	132.6	103	81-110	N/A	Half Bass 11-005-98-01 Cut during the winter of 2019/20 as "Half Bass" by Lindsay Nettell Logging.
43	320 - Upland Shrub	None	1.1			No	
44	6124 - Lowland Spruce-Fir	Poletimber Well	14.5	96	51-80	N/A	Very wet ground.
45	4119 - Mixed Northern Hardwoods	Poletimber Well	117.1	88	81-110	N/A	Roland Lake Block 11-001-99-01Some pockets of good oak regen.Cut 2019-20 Roland Lake Block 11-019-18
46	122 - Road/Parking Lot	None	11.6			No	M-26
47	4110 - Sugar Maple Association	Sawtimber Well	55.7	81	81-110	N/A	-Roland Lake Block 11-001-99-01. Cut 2019-20 Roland Lake Block 11-019-18
48	6229 - Mixed Lowland Shrub	None	3.8			No	Cut in the winter of 2010-2011 as part of "Beaver Haven" 11-013-08-01Parts of the stand were under planted to white pine and hemlock by WLD in ~2012

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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/Pole	12	
Sugar Maple	40	Log/Pole	12	103
Red Maple	30	Log/Pole	12	
Basswood	20	Log/Pole	12	
Red Oak	5	XLog/Log	20	

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

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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	6	
Yellow Birch	2	Pole	5	
Balsam Fir	24	Sapling/Pole	4	
White Spruce	26	Pole	7	96
Northern White Cedar	20	Pole	6	96
White Pine	5	XLog	20	
Hemlock	3	Pole	7	
Black Ash	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Medium	>20 feet	>20 feet
Balsam Fir	Medium	>20 feet	>20 feet
Red Maple	Medium	>20 feet	>20 feet

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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	35	Log/Pole	10	88
Red Maple	34	Log/Pole	10	
Basswood	25	Log/Pole	10	
Red Oak	6	Log	16	

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

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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	55	Log/Pole	10	81
Red Maple	5	Log/Pole	10	
Basswood	35	Log/Pole	10	
Red Oak	5	Log	16	

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

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	4110 - Sugar Maple Association	Poletimber Well	41.1	81	81-110	N/A	Roland Lake Block 11-001-99-01. Cut 2019-20 Roland Lake Block 11-019-18
50	3102 - Grass	None	3.3		Unspecified	No	power line
51	4119 - Mixed Northern Hardwoods	Sawtimber Well	31.3	106	81-110	N/A	cut in the winter of 2010-2011 as part of "Beaver Haven" 11-013-08-01Parts of the stand were under planted to white pine and hemlock by WLD in ~2012
52	4119 - Mixed Northern Hardwoods	Poletimber Well	28.6	64	81-110	N/A	2016: Some super canopy oak, some small balsam.
53	42350 - Upland Hemlock	Sawtimber Well	12.2	120	51-80	N/A	2016: cut in 2001 "Quart Short Hardwoods"2025: Harvested the winter of 2021-2022 Quart Short Hdwds
55	613 - Lowland Mixed Forest	Unspecifed	61.2	55			

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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	55	Log/Pole	10	81
Red Maple	5	Log/Pole	10	
Basswood	35	Log/Pole	10	
Red Oak	5	Log	16	

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

51

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45	Pole/Log	8	106
Red Maple	15	Pole/Log	7	
Yellow Birch	5	Pole	6	
Basswood	10	Log	12	
Red Oak	25	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	10 - 20 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Hemlock	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	10 - 20 feet	10 - 20 feet

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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Pole	6	64
White Ash	10	Pole	6	
Sugar Maple	20	Pole	6	
Red Oak	5	Log	14	
Basswood	10	Pole	8	
Yellow Birch	5	Pole	6	

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

53

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole	8	
Red Maple	20	Log/Pole	11	
Yellow Birch	5	Log/Pole	10	
White Spruce	7	Log/Pole	12	
Northern White Cedar	3	Log/Pole	10	
Hemlock	60	Log/Pole	12	120

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Medium	Variable	Variable
Hemlock	Full	Variable	Variable
Red Maple	High	Variable	Variable

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