



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11067

Entry Year 2026

Acreage: 2,617

County Ontonagon

Management Area: Houghton Hardwoods

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**Stand Examiner:** Jason Mittlestat

## Legal Description:

ONTONAGON COUNTY, BOHEMIA TOWNSHIP  
T51N, R37W, Sections 3, 9, 10, 11, 15, 16, 21, and 22.  
T52N, R37W, Section 33

## Identified Planning Goals:

The Central Houghton management area is on dissected moraines in Central Houghton County. The state forest covers 46,908 acres and is in scattered blocks. The management area is dominated by the northern hardwoods, aspen and lowland conifer cover types. Other attributes that played a role in the definition of this management area include:

- Dominated by the mesic northern forest natural community;
  - High-range in site quality;
  - Provides multiple benefits including forest products and dispersed recreational activities; and
  - Provides a variety of fish and wildlife habitats.
- This management area contains one of the western Upper Peninsula Grouse Enhanced Management Systems areas.

This area plan will emphasize balanced age classes of aspen for timber production which will have habitat benefits for ruffed grouse. The boundaries of Grouse Enhanced Management Systems areas will be delineated and an operational plan will be developed during this planning period by the local biologist in collaboration with the Forest Resources Division unit manager and integrated into the plan through the revision process.

The management priority for this area is the production of high-quality timber products, particularly hardwood sawlogs and veneer while maintaining habitat qualities for wildlife species dependent on the northern hardwood communities in this area.

## Soil and topography:

The land is rolling to hilly, with steep slopes and deep gullies along drainages. Soils are Ontonagon loam; Ontonagon, Watton and Iron River clay loams; Bohemia fine sandy loam; and AuTrain and Rubicon sands.

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

Much of the adjacent land is managed for timber, either by forest industry or by small private landowners. Ownership in section 11 is limited to the rail-trail grade.

## Unique Natural Features:

No Unique Natural Features known.

## Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

## Special Management Designations or Considerations:

The Lake States Forest Management Bat Habitat Conservation Plan in relation to Indiana Mine.

## Watershed and Fisheries Considerations:

The East Branch of the Firesteel River and its tributaries are trout streams. Manage to protect water quality.

## Wildlife Habitat Considerations:

The river drainages and gullies tend to direct wildlife movements.

## Mineral Resource and Development Concerns and/or Restrictions

Compartment 67: Sections 3, 9-11, & 15-16, T51N-R37W, Ontonagon Co.

The nearest active sand & gravel mining operations are less than two miles southeast. Glacial drift is often thin to absent across the compartment, with bedrock at or near the surface. There are potential sources for aggregate within the compartment from glacial drift on the uplands and from tailings piles from abandoned copper mines. The compartment lies within the copper belt of the Keweenaw Peninsula, where native copper occurs in varying concentrations associated with the Portage Lake basalt flows. Most of the accessible and economic copper was mined out of the area during the historic copper boom, and there has not been any commercial copper mining in the district for decades. Several abandoned mines

and prospects occur in and around the compartment, and there may be unsecured openings in the area. Potential for additional commercial mining of copper or other metallic minerals within the compartment in the future is considered low at this time. There is no potential for economic oil and gas production in the UP. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

**Vehicle Access:**

M-26 provides most of the access. There are seasonal roads off of the highway.

**Survey Needs:**

Seventeen corners have been requested.

**Recreational Facilities and Opportunities:**

The Bill Nicholls Rail-Trail crosses this compartment and is a designated Snowmobile/ATV trail. There are no other facilities and no opportunities for additional facilities.

**Fire Protection:**

This is not a fire prone area.

**Additional Compartment Information:**

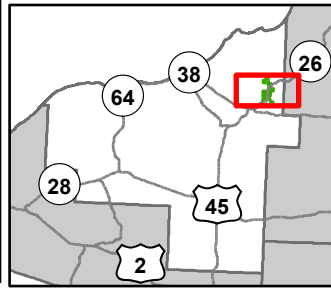
The following reports from the Inventory are attached:

- 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**

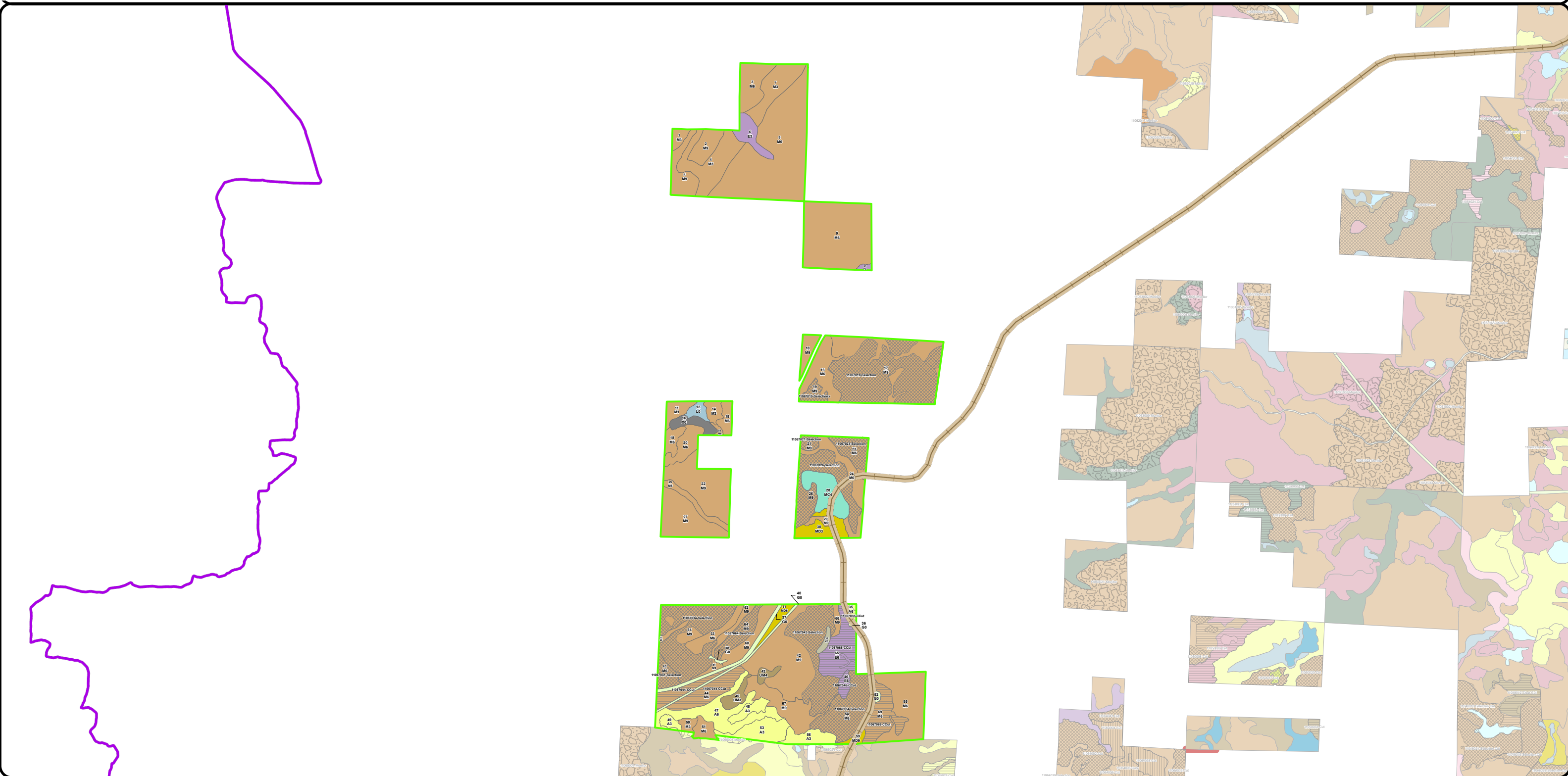
Cover Type & Treatments Map



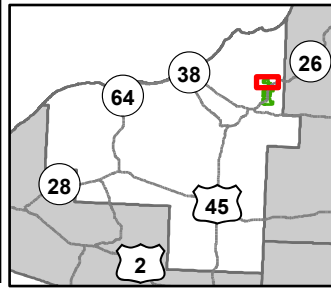
Compartment: 11067  
 T51N, R37W, Sec: 3, 9, 10, 15,  
 16, 21, 22  
 County: Ontonagon  
 Unit: Baraga  
 Mgmt Area: Houghton  
 Hardwoods  
 YOE: 2026  
 Acres: 2617.4 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 04/15/2024  
 Map Phase: Web Post



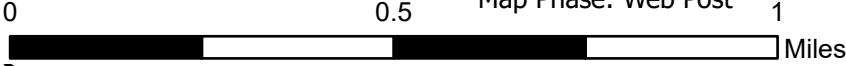
- Designated ORV Routes
- Designated Snowmobile Trails
- Compartment Boundary
- 411 - Northern Hardwood
- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- Selection (Group, Single Tree)
- 419 - Mixed Upland Deciduous
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 429 - Mixed Upland Conifers
- 622 - Lowland Shrub
- 430 - Upland Mixed Forest
- 720 - Exposed Rock
- Clearcut (w/Reserves)



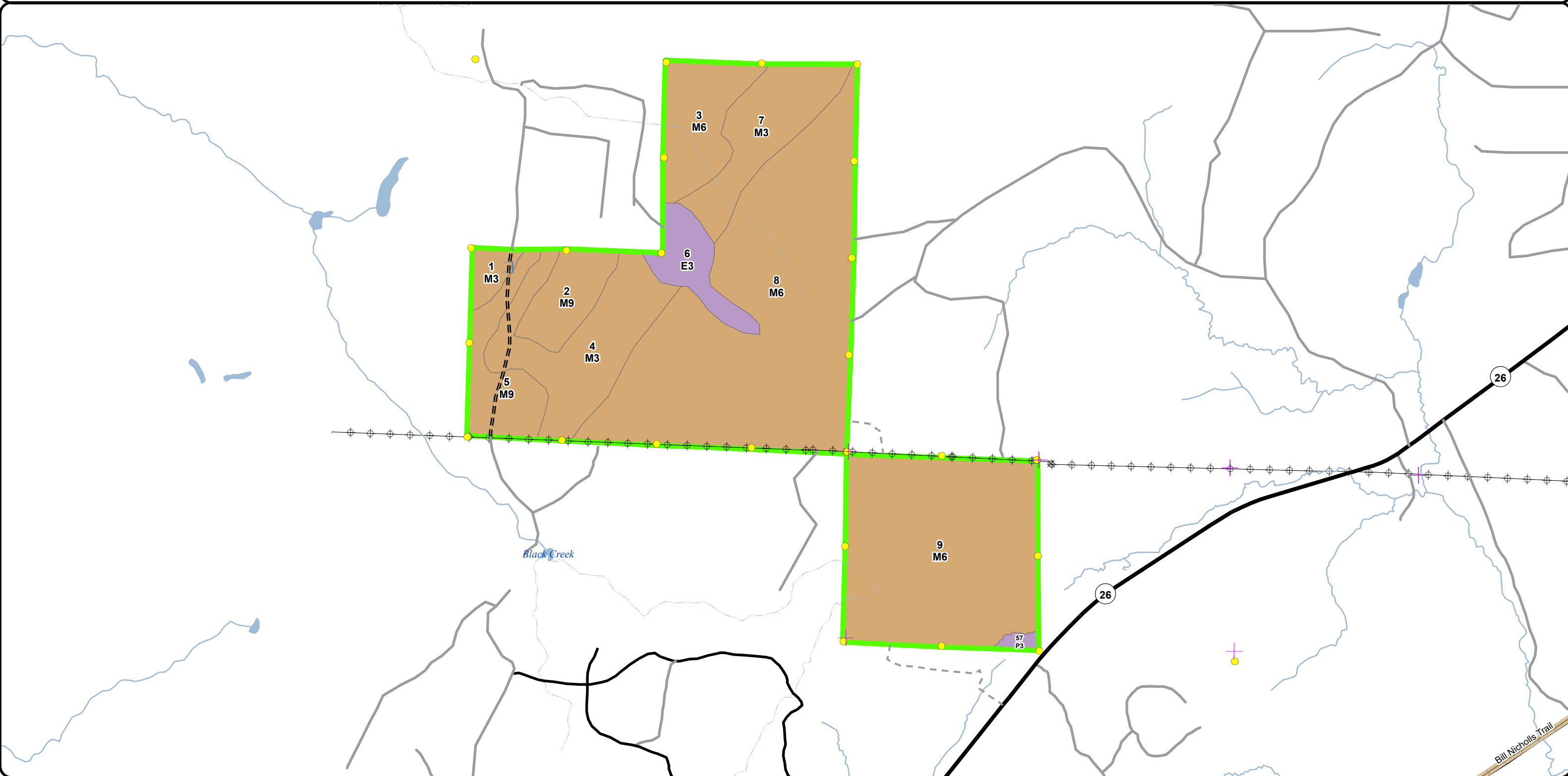
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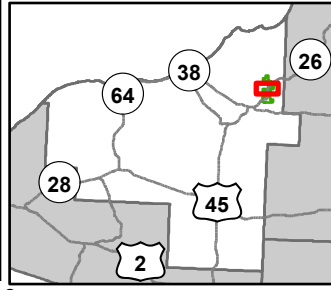


- Culvert
- Survey Grade Corners
- Remonumented Section Corners
- Designated ORV Routes
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Powerline
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
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Bill Nicholls Trail

Cover Type & Treatments Map



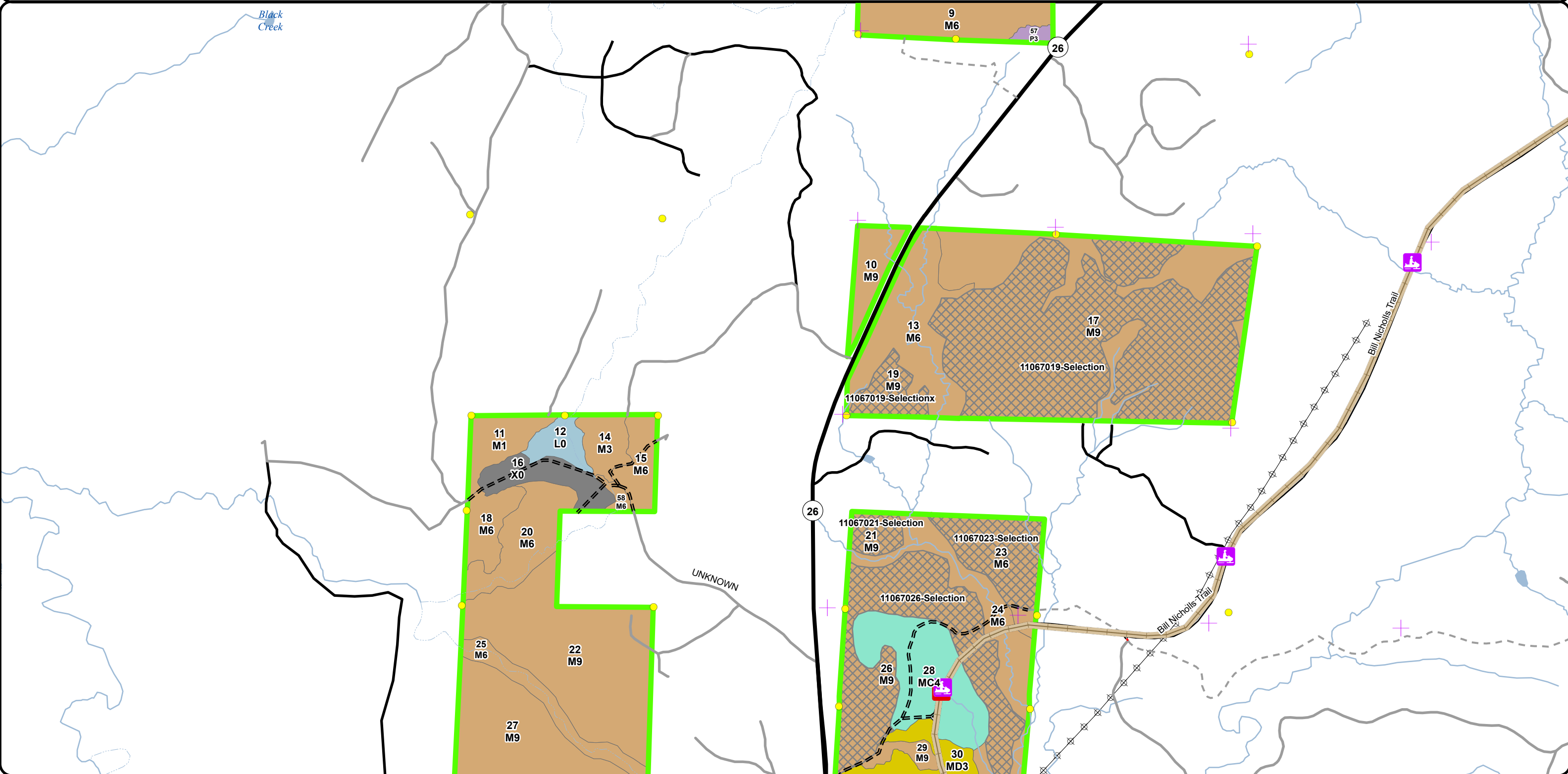
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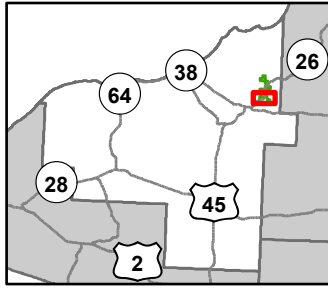
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Cover Type & Treatments Map

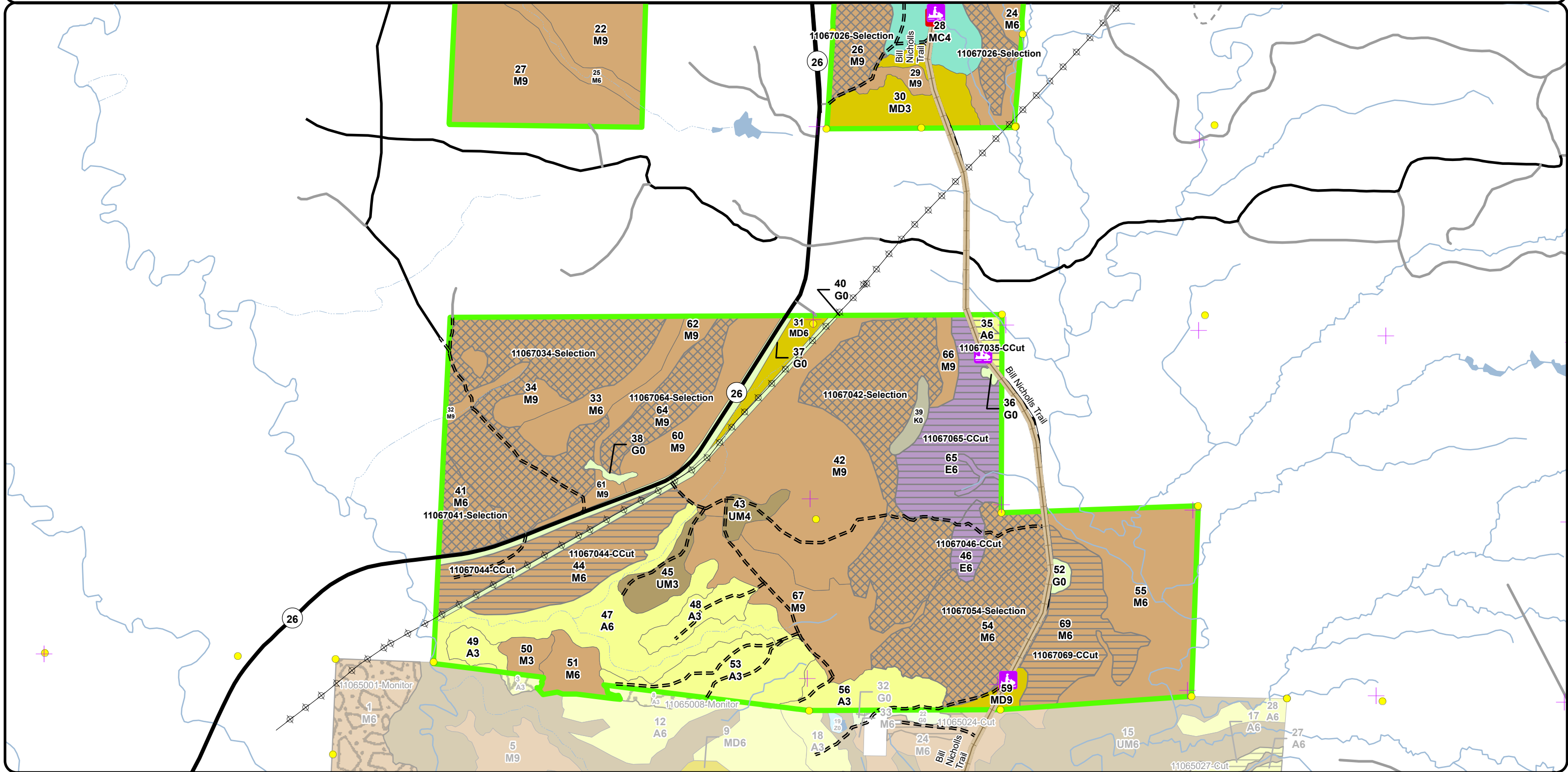
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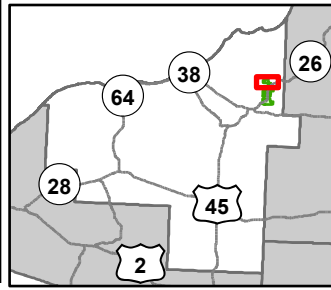
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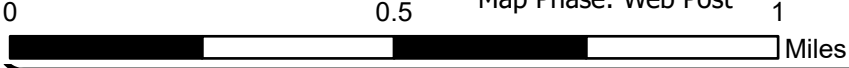




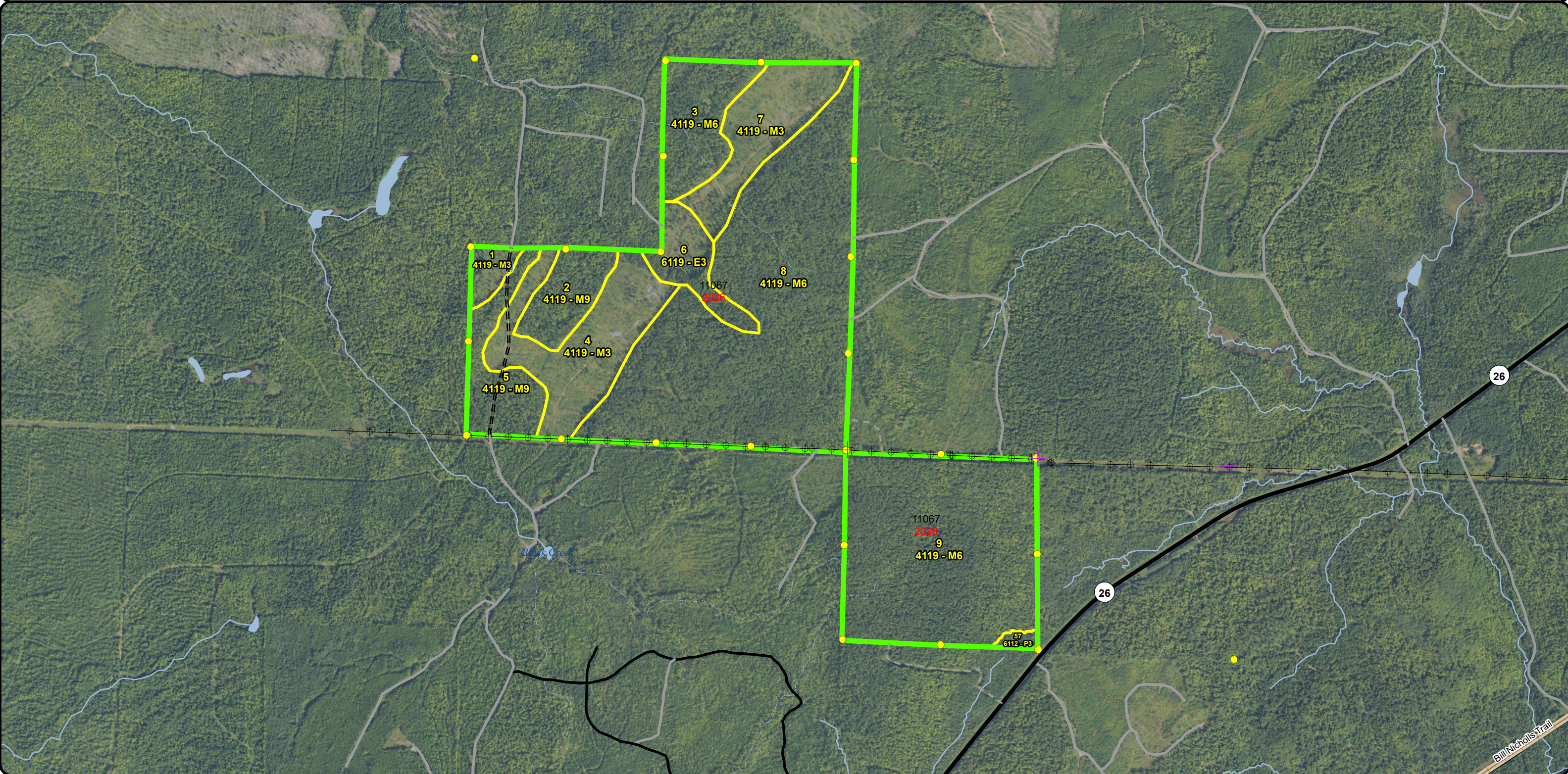
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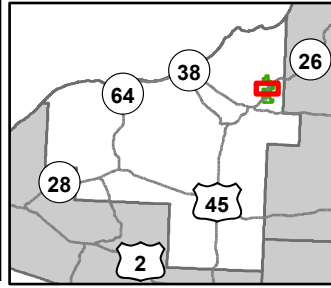


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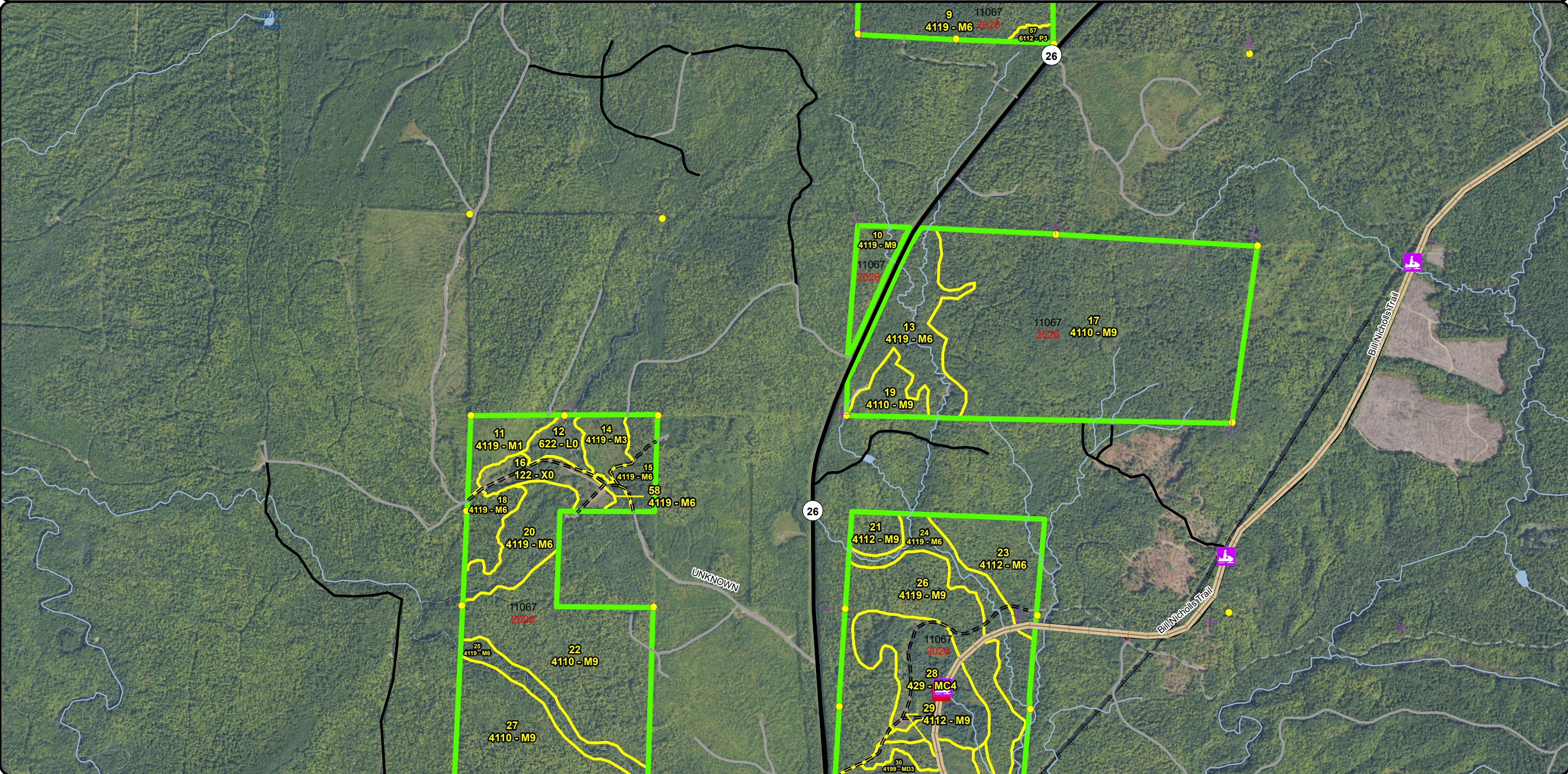
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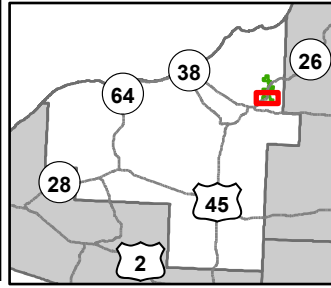
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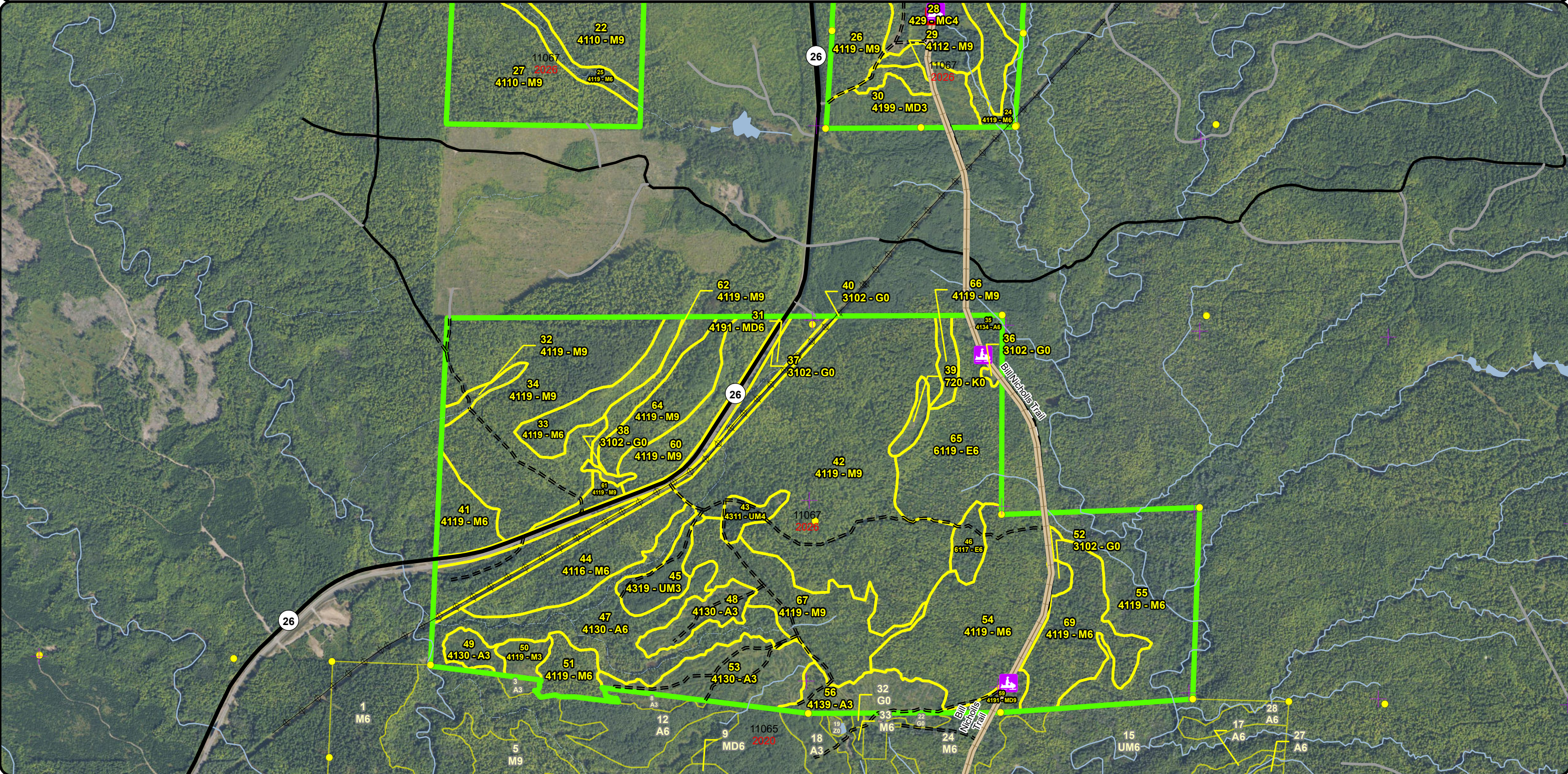


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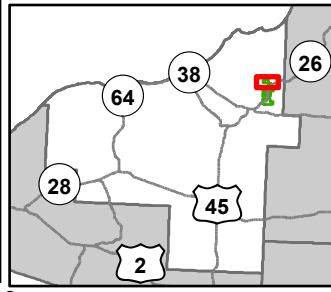
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**Special Conservation Areas  
& Site Conditions Map**



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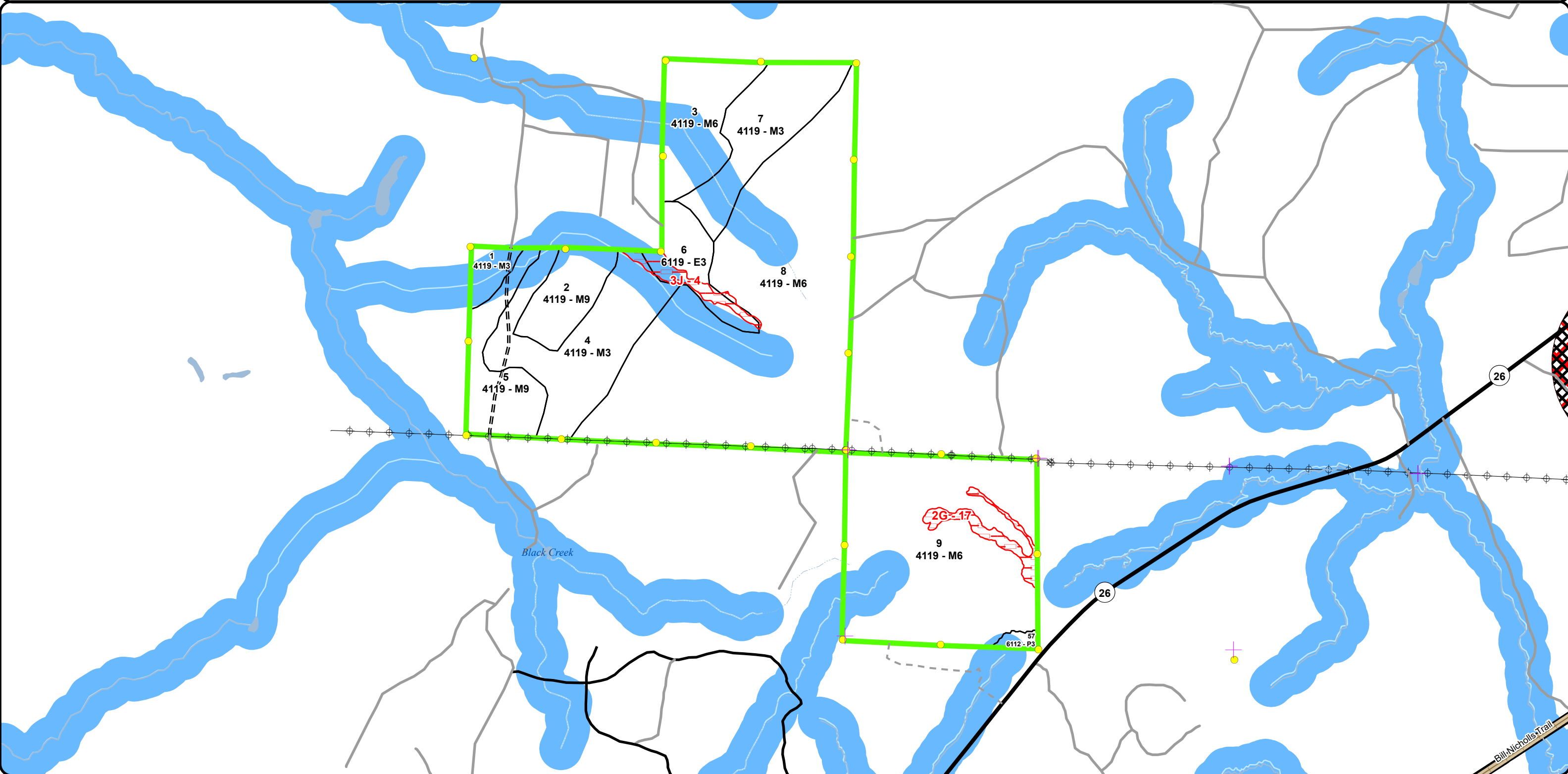
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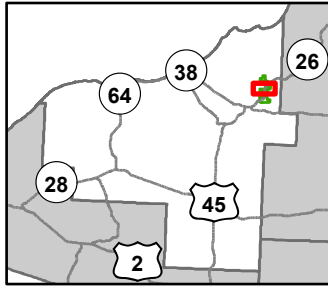
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Northern Long-Eared Bat Roost Tree Buffers
- Northern Long-Eared Bat Hibernacula Buffers
- Trail - Trail Corridor





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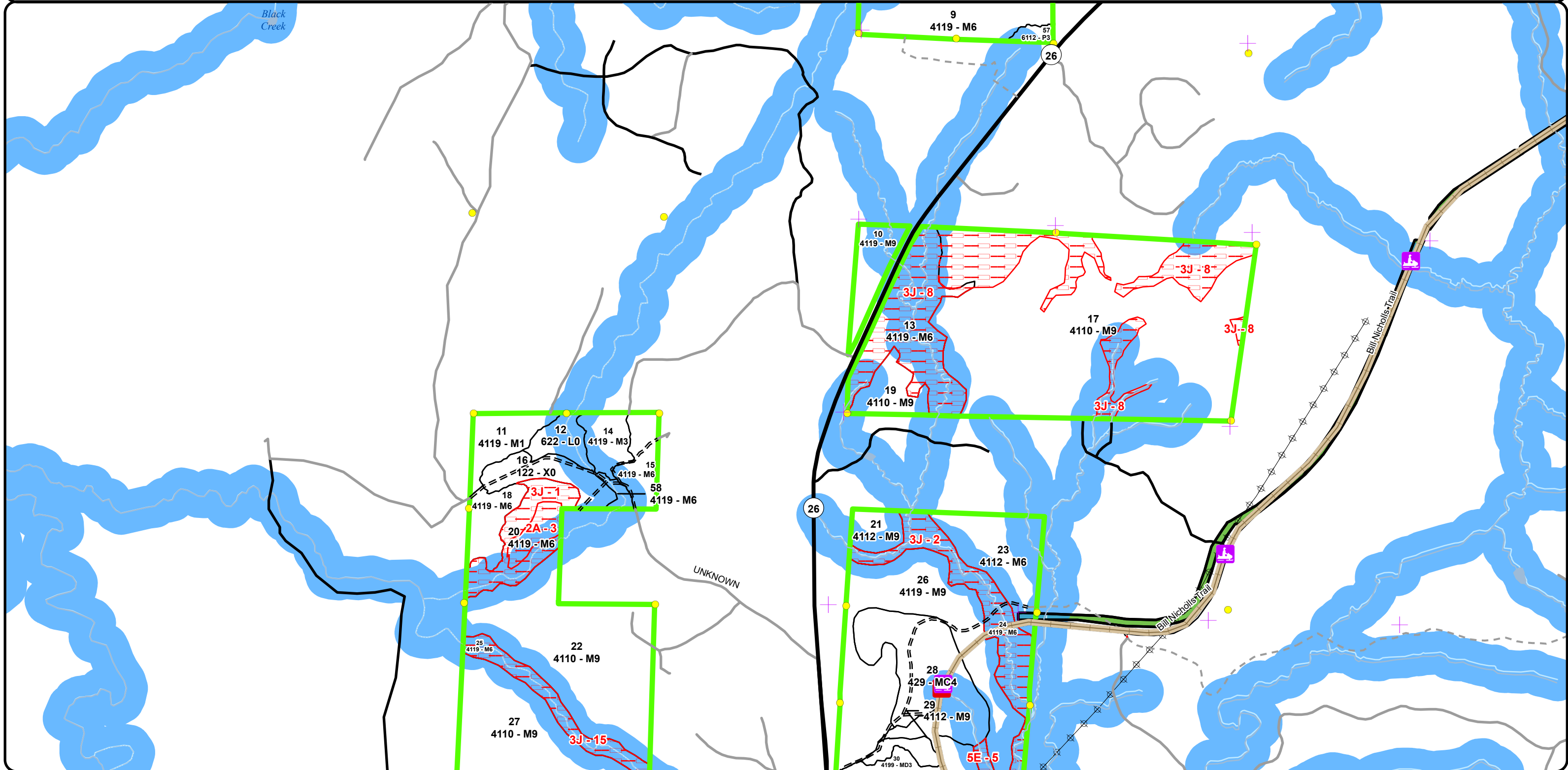
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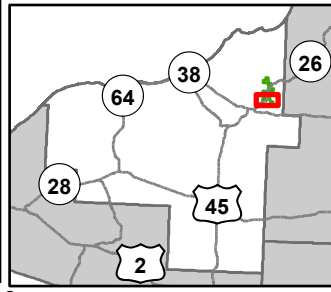
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
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- High Priority Trout Stream Buffer
- Trail - Trail Corridor

2A: Adjacent landowner denied access





**Special Conservation Areas & Site Conditions Map**



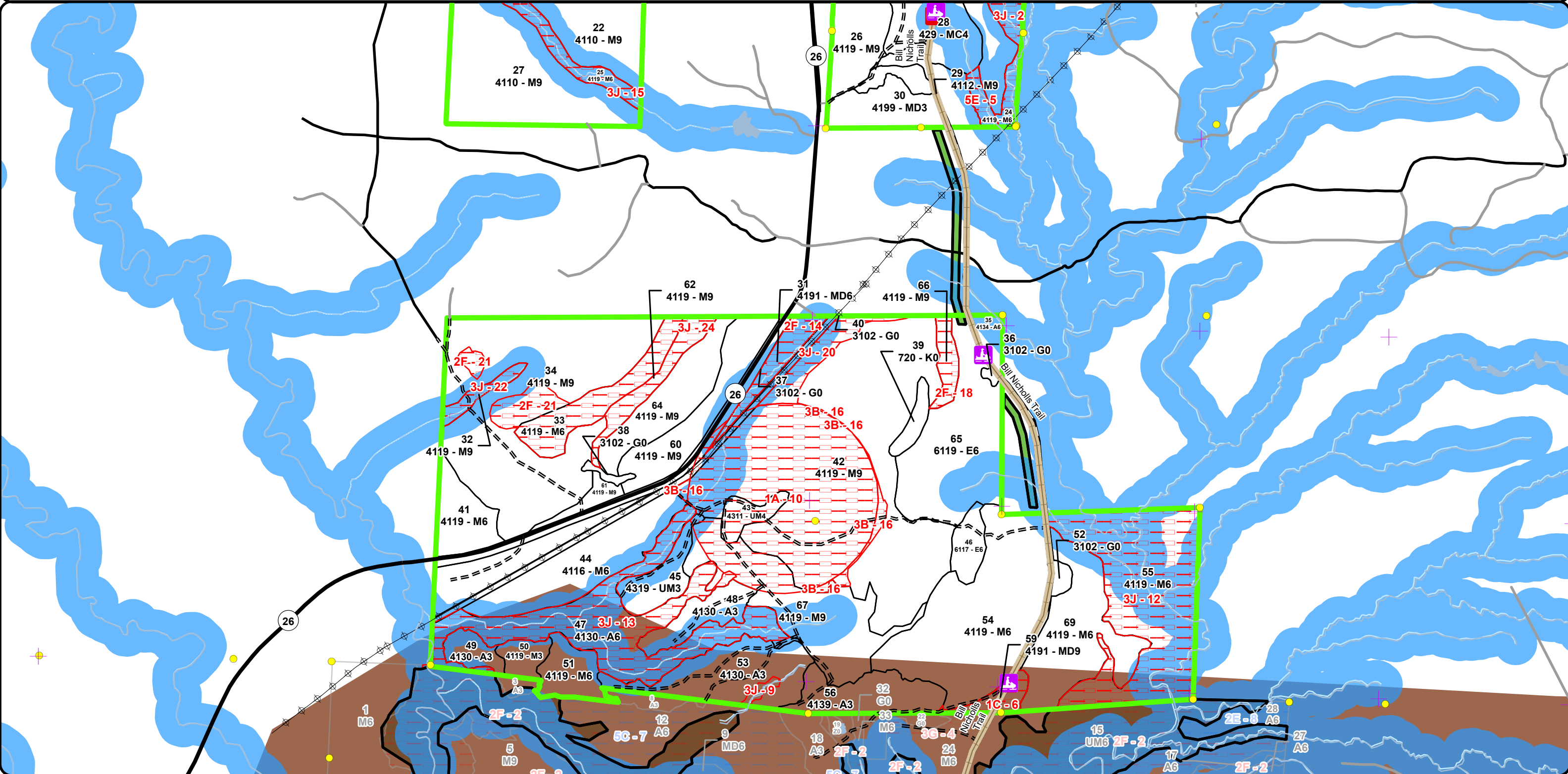
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- ▨ SCA
- 🚫 Unavailable
- 1A: Federal/State/Local Law
- 1C: Other dept or div proc/practices
- 2F: Too steep

- 3J: Water quality / BMPs (stream, river, or lake)
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- ▭ Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Vernal Pool
- Trail - Trail Corridor





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	83	0	0	0	6	0	71	0	0	0	0	0	0	0	0	0	0	160
Exposed Rock	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Herbaceous Openland	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Lowland Aspen/Balsam Poplar	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Deciduous	0	0	24	0	0	0	9	0	0	0	0	0	0	0	0	0	0	58	91
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	32	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	11	50
Northern Hardwood	0	34	124	0	0	0	0	64	0	0	0	0	0	0	0	0	0	1956	2178
Upland Conifers	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Upland Mixed Forest	0	0	0	0	14	0	7	0	0	0	0	0	0	0	0	0	0	0	21
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
<b>Total</b>	<b>68</b>	<b>152</b>	<b>148</b>	<b>0</b>	<b>61</b>	<b>6</b>	<b>16</b>	<b>142</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2025</b>	<b>2618</b>





## Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 67

Total Compartment Acres: 2,617

Commercial Harvest - 837  
 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	5	0	0	0	0	0	0	0	0	5
Lowland Deciduous	65	0	0	0	0	0	0	0	0	65
Northern Hardwood	107	660	0	0	0	0	0	0	0	768
<b>Total</b>	<b>177</b>	<b>660</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>837</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	837	0	0	0	0	0	0	0	0	837
Next Step	0	0	0	0	0	0	837	0	0	837
<b>Total</b>	<b>837</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>837</b>	<b>0</b>	<b>0</b>	<b>1674</b>





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

**Proposed Treatments:**

<b>17</b>	<b>11067019- Selection</b>	190.6	4110 - Sugar Maple Association	Sawtimber Well	109	141- 170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</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 stands 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></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>19</b>	<b>11067019- Selectionx</b>	13.1	4110 - Sugar Maple Association	Sawtimber Well	109	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</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 stands 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></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>21</b>	<b>11067021- Selection</b>	9.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	109	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</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 stands 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></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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
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<b>23</b>	<b>11067023-Selection</b>	29.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	109	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

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

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>26</b>	<b>11067026-Selection</b>	78.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	109	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

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

Comment:

Check HAL.

Site Condition

Proposed Start Date: 10/1 /2025

<b>34</b>	<b>11067034-Selection</b>	114.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	109	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

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

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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35	11067035-CCut	4.6	4134 - Aspen, Spruce/Fir	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Harvest all species down to 2 inches DBH except red oak, hemlock, white pine and cedar if present.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

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

Regen:

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

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

41	11067041-Selection	17.8	4119 - Mixed Northern Hardwoods	Poletimber Well	109	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to a target of 70 square feet of basal area. Favor oak, and white pine, do not harvest hemlock, or cedar where/if 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 no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

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

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

42	11067042-Selection	94.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	109	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

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

Comment:

Site Condition

Proposed Start Date: 10/1 /2025





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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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<b>44</b>	<b>11067044-CCut</b>	61.3	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	62 111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Specs: Harvest all species down to 4.6 inches DBH except black cherry, paper birch and white pine. Also, reserve red oak, hemlock and cedar if present.

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 reserve tree species.

"There are elemental occurrences of the State Threatened Wood Turtle within this compartment. Forestry activities that occur from April 1 through October 31 (active period) will accommodate a 300-foot no-cut buffer along the riparian management zone to protect Wood Turtle during the nesting, post-nesting, and pre-hibernation periods. Forestry activities that occur from November 1 through May 31 (non-active period) will accommodate a 100-foot no-cut buffer along the riparian management zone per best management practices."

Site Condition

Proposed Start Date: 10/1 /2025

<b>46</b>	<b>11067046-CCut</b>	8.8	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	58 111-140	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Two-Aged	No
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Prescription Specs: Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater.

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.

Site Condition

Proposed Start Date: 10/1 /2025

<b>54</b>	<b>11067054-Selection</b>	85.1	4119 - Mixed Northern Hardwoods	Poletimber Well	109 111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

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: 10/1 /2025



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
64	11067064- Selection	28.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	109	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to a target of 70 square feet of basal area. Favor red oak and white pine, do not harvest hemlock or cedar where/if present. Red oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</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 stands over story species prior to harvest.</p> <p><u>Other Comment:</u> The area heavy to oak on the top of the bluff should be marked through, not final harvested, to preserve the skyline view from the highway. 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></p> <p>Proposed Start Date: 10/1 /2025</p>											
65	11067065- CCut	55.9	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	109	81-110	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Two-Aged	No
<p><u>Prescription</u> Bat HCP: Tree cutting is not allowed from August 16 – October 15 or April 15 – May 14.</p> <p><u>Specs:</u> Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater. Exclude paper birch along boundary line for a seed source.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stands 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 reserve tree species.</p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2025</p>											
69	11067069- CCut	45.9	4119 - Mixed Northern Hardwoods	Poletimber Well	109	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater.</p> <p><u>Specs:</u> Leave ALL yellow birch.</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 stands 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 reserve tree species.</p> <p>There are elemental occurrences of the State Threatened Wood Turtle within this compartment. Forestry activities that occur from April 1 through October 31 (active period) will accommodate a 300-foot no-cut buffer along the riparian management zone to protect Wood Turtle during the nesting, post-nesting, and pre-hibernation periods. Forestry activities that occur from November 1 through May 31 (non-active period) will accommodate a 100-foot no-cut buffer along the riparian management zone per best management practices.</p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2025</p>											

Total Treatment 836.8  
Acreage Proposed:



## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 67  
Year of Entry: 2026

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
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### Dominant Site Conditions

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions							
					1A	1C	2A	2F	2G	3B	3J	5E
160	88	0	72	Aspen	0	0					72	
5	5	0	0	Exposed Rock								
37	34	0	3	Herbaceous Openland	3			0			0	
3	3	0	0	Lowland Aspen/Balsam Poplar								
90	84	0	6	Lowland Deciduous							6	
10	10	0	0	Lowland Shrub								
50	33	0	17	Mixed Upland Deciduous	0	7		10				0
2177	1713	0	464	Northern Hardwood	113		8	40	9	5	286	4
47	47	0	0	Upland Conifers								0
21	13	0	8	Upland Mixed Forest	8						0	
16	16	0	0	Urban							0	
2,617	2,046		571	Total Forested Acres	124	7	8	51	9	5	364	4
	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	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	2A: Adjacent landowner denied access	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 67  
Year of Entry: 2026

4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	1C: Other dept or div proc/practices	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	98	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	1A: Federal/State/Local Law	124	3B: Threatened, endangered, and special concern species	Unspecified	Unspecified	Unspecified
Comments:							



## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 67  
Year of Entry: 2026

12	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	85	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	72	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2F: Too steep</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>3B: Threatened, endangered, and special concern species</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Additional acreage surrounding bat area to match up with skid trails and roads to simplify sale boundary placement.							
17	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 67  
Year of Entry: 2026

18	<b>Unavailable</b>	<b>2F: Too steep</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Rock outcropping.							
20	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Unavailable</b>	<b>2F: Too steep</b>	33	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Rock outcropping / bluff							
22	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



## Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4119 - Mixed Northern Hardwoods	Sapling Well	9.2	18	1-50	N/A	Ash and dieback Salvage, stand was selection cut in 1994 (Bay Hdwd)
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		15	Sapling	3		Red Maple	
Yellow Birch		5	Sapling	3		American Elm	
Basswood		20	Sapling	3		Sugar Maple	
White Ash		5	Log	14	83	White Ash	
Red Oak		2	Log	16			
Sugar Maple		20	Sapling	3			
American Elm		2	Pole	8			
White Ash		31	Sapling	3	18		
2	4119 - Mixed Northern Hardwoods	Sawtimber Well	25.8	109	81-110	N/A	Selection cut in 1994 (Bay Hdwd SW) and again between 2018-21 as part of Bay Mix 11-011-16 by Triest.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		2	Log	16		Yellow Birch	
Red Maple		15	Log	13		Sugar Maple	
Basswood		15	Log	16		White Ash	
Yellow Birch		5	Pole	9			
Sugar Maple		46	Log	14	109		
White Ash		15	Log	14			
Hemlock		2	Log	14			
3	4119 - Mixed Northern Hardwoods	Poletimber Well	40.5	109	81-110	N/A	Selection cut in 1994 (ay Hdwd) and again between 2018-21 as part of Bay Mix 11-011-16 by Triest.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		15	Log	13		Sugar Maple	
Basswood		15	Log	16		Red Maple	
White Ash		15	Log	14		White Ash	
Red Oak		2	Log	14			
Black Ash		2	Log	14			
Sugar Maple		46	Log	14	109		
Yellow Birch		5	Pole	9			
4	4119 - Mixed Northern Hardwoods	Sapling Well	67.7	18	1-50	N/A	Ash and dieback Salvage, stand was selection cut in 1994 (Bay Hdwd)
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
American Elm		2	Pole	8		Red Maple	
Red Maple		15	Sapling	3		White Ash	
Yellow Birch		5	Pole/Log	10		American Elm	
Sugar Maple		20	Sapling	3		Sugar Maple	
White Ash		31	Sapling	3	18		
Red Oak		2	Log	16			
Quaking Aspen		5	Sapling	1			
Basswood		20	Sapling	3			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**5** 4119 - Mixed Northern Hardwoods Sawtimber Well 33.0 109 81-110 N/A Selection cut in 1994 (Bay Hdwd SW) and again between 2018-21 as part of Bay Mix 11-011-16.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	15	Log	14		White Ash	Full	Variable	Sapling
Red Oak	2	Log	16		Red Maple	Full	Variable	Sapling
Hemlock	2	Log	14		Sugar Maple	Full	Variable	Sapling
Sugar Maple	46	Log	14	109				
Red Maple	15	Log	13					
Basswood	15	Log	16					
Yellow Birch	5	Pole	9					

**6** 6119 - Mixed Lowland Deciduous Forest Sapling Well 23.6 18 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Sapling	3	18	Sugar Maple	Full	Variable	Sapling
Basswood	10	Sapling	3		Balsam Fir	High	10 - 20 feet	Sapling
White Ash	5	Log	12		White Ash	Full	Variable	Sapling
White Spruce	5	Log	12		White Spruce	High	10 - 20 feet	Sapling
Yellow Birch	5	Pole	10		Hemlock	Medium	>20 feet	Pole
American Elm	2	Pole	8		Red Maple	Full	Variable	Sapling
White Ash	25	Sapling	3	18				
Northern White Cedar	3	Log	14					
Hemlock	5	Log	14					

**7** 4119 - Mixed Northern Hardwoods Sapling Well 47.4 18 1-50 N/A Ash and dieback Salvage, stand was selection cut in 1994 (Bay Hdwd) and again between 2018-21 as part of Bay Mix 11-011-16 by Triest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	31	Sapling	3	18	White Ash	Full	Variable	Sapling
Sugar Maple	20	Sapling	3		Red Maple	Full	Variable	Sapling
White Ash	5	Log	14	83	Sugar Maple	Full	Variable	Sapling
American Elm	2	Pole	8		American Elm	Medium	Variable	Sapling
Yellow Birch	5	Pole/Log	10					
Basswood	20	Sapling	3					
Red Oak	2	Log	16					
Red Maple	15	Sapling	3					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**8**    4119 - Mixed Northern Hardwoods    Poletimber Well    241.0    109    81-110    N/A    TSI in 1975. Selection cut in 1994 (Bay Hdwd) and again by Triest between 2018-2021 as 11-011-16 Bay Mix.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	10		Red Oak	High	>20 feet	Sapling
Black Cherry	5	Pole	10		Sugar Maple	Full	Variable	Sapling
Red Maple	15	Log	13		Red Maple	Full	Variable	Sapling
Black Ash	5	Log	12		Yellow Birch	Full	Variable	Sapling
Quaking Aspen	2	Pole	10					
Red Oak	15	Log	16					
Basswood	15	Log	14					
Sugar Maple	38	Log	14	109				

**9**    4119 - Mixed Northern Hardwoods    Poletimber Well    158.8    109    81-110    N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	10		Sugar Maple	Full	Variable	Sapling
Basswood	15	Log	14		Red Maple	Full	Variable	Sapling
Black Ash	5	Log	12		Yellow Birch	Full	Variable	Sapling
Black Cherry	5	Pole	10		Red Oak	High	10 - 20 feet	Sapling
Sugar Maple	40	Log	14	109				
Red Oak	13	Log	16					
Quaking Aspen	2	Pole	10					
Red Maple	15	Log	13					

**10**    4119 - Mixed Northern Hardwoods    Sawtimber Well    15.1    109    81-110    N/A    Poor qualityhdwds. some dieback, drainage runs through stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	50	Log/Pole	12	109	Ironwood	Full	10 - 20 feet	Sapling
Basswood	5	Log	16		Red Maple	Full	Variable	Sapling
Yellow Birch	5	Log	15		White Ash	Full	Variable	Sapling
Red Oak	5	Log	16		Balsam Fir	High	10 - 20 feet	Sapling
Sugar Maple	20	Log/Pole	12		White Spruce	High	10 - 20 feet	Sapling
Black Ash	10	Log	14					
Hemlock	5	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**11** 4119 - Mixed Northern Hardwoods Sapling Poor 15.0 8 Immature N/A Quattro's First, cut in spring 2017.

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	10	Sapling	1	8
Yellow Birch	5	Sapling	1	8
Basswood	10	Sapling	1	8
Red Maple	20	Sapling	1	8
Red Oak	10	Log	14	109
Red Oak	1	Sapling	1	8
Sugar Maple	39	Sapling	1	8
Black Ash	5	Sapling	1	8

**12** 622 - Lowland Shrub Nonstocked 9.6 Unspecified No

**13** 4119 - Mixed Northern Hardwoods Poletimber Well 45.3 109 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole/Log	12	109	Balsam Fir	Full	Variable	Sapling
Yellow Birch	10	Pole	7		Red Maple	Full	Variable	Sapling
Basswood	5	Log	12		Hemlock	Low	Variable	Sapling
White Ash	15	Pole/Log	9		Sugar Maple	Full	Variable	Sapling
Sugar Maple	15	Pole/Log	10		White Spruce	Full	Variable	Sapling
Black Ash	15	Pole/Log	12		White Ash	High	Variable	Sapling
Red Oak	5	Log	12					
White Spruce	5	Log	14					
Hemlock	5	Log	16					

**14** 4119 - Mixed Northern Hardwoods Sapling Well 11.5 8 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	5	Sapling	1	8	White Ash	Full	10 - 20 feet	Sapling
White Spruce	3	Sapling	1	8	Balsam Fir	Full	>20 feet	Sapling
Red Maple	25	Sapling	1	8	White Spruce	Full	>20 feet	Sapling
White Ash	31	Sapling	1	8	Ironwood	Full	10 - 20 feet	Sapling
Yellow Birch	10	Sapling	1	8	Yellow Birch	Low	Variable	Sapling
Quaking Aspen	2	Log	14	66	Red Maple	Full	Variable	Sapling
American Elm	2	Pole	6					
Black Ash	10	Sapling	1	8				
Sugar Maple	10	Sapling	1	8				
Hemlock	2	Log	14	66				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>15</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	13.3	109	81-110	N/A	Quattro' First cut in winter/spring 2017
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Yellow Birch		5	Pole	8		Red Maple	
Basswood		8	Log/Pole/XLog	12		White Ash	
White Ash		10	Log	12		Ironwood	
Black Ash		5	Pole	7		Sugar Maple	
Red Oak		10	Log	14			
Quaking Aspen		2	Log	14			
Sugar Maple		40	Pole	9	109		
Red Maple		20	Pole	9			

<b>16</b>	122 - Road/Parking Lot	Nonstocked	16.3		Unspecified	No	gravel pit
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<b>17</b>	4110 - Sugar Maple Association	Sawtimber Well	243.2	109	141-170	N/A	Selection cut in 2006 (HWY Hdwd)
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		85	Log	14	109	Red Oak	
Yellow Birch		5	Log	14		White Ash	
Red Oak		5	Log	14		Red Maple	
Red Maple		5	Log	14		Sugar Maple	

<b>18</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	13.5	109	81-110	N/A	Gullies and ridges Quattros First
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		20	Pole	9		Red Maple	
Red Maple		35	Pole	9	109	Red Oak	
Basswood		15	Log	12		Balsam Fir	
White Ash		10	Log	12		Ironwood	
Red Oak		5	Log	14		White Spruce	
Quaking Aspen		2	Log	14		Sugar Maple	
Black Ash		3	Pole/Log	8		White Ash	
Yellow Birch		10	Pole	8			

<b>19</b>	4110 - Sugar Maple Association	Sawtimber Well	13.1	109	111-140	N/A	Selection cut in 2006 (HWY Hdwd)
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		85	Log	14	109	White Ash	
Red Oak		5	Log	14		Sugar Maple	
Yellow Birch		5	Log	14		Red Maple	
Red Maple		5	Log	14		Red Oak	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>20</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	27.0	109	111-140	N/A	Creek bottom with steep slopes
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	10		Red Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	8		Hemlock	High	Variable	Sapling
Basswood	5	Pole	10		White Spruce	Full	Variable	Sapling
White Ash	5	Pole	10		Balsam Fir	Full	Variable	Sapling
Hemlock	5	Log	10		Sugar Maple	Full	Variable	Sapling
Red Oak	5	Log	14		Yellow Birch	Full	Variable	Sapling
Sugar Maple	50	Pole	10	109				
White Spruce	5	Pole	10					

<b>21</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.1	109	111-140	N/A	Selection cut in 2003 (Henwood Hdwd) Some areas of dieback. Some old blowdown areas.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log	14	109	Red Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	10		White Ash	Full	10 - 20 feet	Sapling
Red Maple	15	Log	12		Red Oak	Full	10 - 20 feet	Sapling
White Ash	5	Log	14		Balsam Fir	Full	>20 feet	Sapling
Hemlock	5	Log	16		White Spruce	Full	>20 feet	Sapling
Red Oak	5	Log	16		Sugar Maple	Full	Variable	Sapling

<b>22</b>	4110 - Sugar Maple Association	Sawtimber Well	89.6	109	81-110	N/A	2024: Stand is not ready for harvest. There must have been a good amount of aspen removed in 2003. Lots of aspen and ash in the understory. Check the stand to see if it is ready for harvest in 2036. Selection cut in 2003 (Last Limp Hdwd)
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log	14		Sugar Maple	Full	Variable	Sapling
Yellow Birch	5	Log	12		Red Maple	Full	Variable	Sapling
Basswood	10	Log	14		Yellow Birch	Full	Variable	Sapling
White Ash	5	Log	16		Red Oak	Medium	>20 feet	Sapling
Sugar Maple	65	Log	14	109	Ironwood	Full	>20 feet	Sapling
Red Oak	5	Log	16		Quaking Aspen	High	10 - 20 feet	Sapling
					White Ash	Full	>20 feet	Sapling

<b>23</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	31.9	109	141-170	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log	16		White Ash	Full	Variable	Sapling
White Ash	5	Log	14		Red Oak	Full	10 - 20 feet	Sapling
Red Maple	15	Log	12		Balsam Fir	Full	>20 feet	Sapling
Yellow Birch	5	Pole	10		White Spruce	Full	>20 feet	Pole
Red Oak	5	Log	16		Sugar Maple	Full	Variable	Sapling
Sugar Maple	65	Log	14	109	Red Maple	Full	Variable	Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**24** 4119 - Mixed Northern Hardwoods Poletimber Well 39.7 109 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log	12		Red Maple	Full	Variable	Sapling
White Ash	15	Pole/Log	9		White Ash	Full	Variable	Sapling
White Spruce	5	Log	14		Balsam Fir	Full	Variable	Sapling
Sugar Maple	15	Pole/Log	10		White Spruce	Full	Variable	Sapling
Black Ash	15	Pole/Log	12		Hemlock	Medium	Variable	Sapling
Hemlock	5	Log	16		Sugar Maple	Full	Variable	Sapling
Yellow Birch	10	Pole	7					
Red Maple	25	Pole/Log	12	109				
Basswood	5	Log	12					

**25** 4119 - Mixed Northern Hardwoods Poletimber Well 16.0 109 111-140 N/A creek bottom with steep slopes

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	8		Yellow Birch	Full	Variable	Sapling
White Ash	5	Pole	10		Hemlock	High	Variable	Log
White Spruce	5	Pole	10		Balsam Fir	Full	Variable	Sapling
Hemlock	5	Log	14		Red Maple	Full	Variable	Sapling
Sugar Maple	50	Pole	10	109	Sugar Maple	Full	Variable	Sapling
Red Maple	20	Pole	10		White Spruce	Full	Variable	Sapling
Red Oak	5	Log	14					
Basswood	5	Pole	10					

**26** 4119 - Mixed Northern Hardwoods Sawtimber Well 78.1 109 111-140 N/A Selection cut in 2003 (Henwood Hdwd) Some ares of dieback. Blowdown salvaged between Henwood Mine and M-26 from wind storm of summer 2016. Salvaged March 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	10		Sugar Maple	Full	Variable	Sapling
White Ash	5	Log	14		Balsam Fir	Full	>20 feet	Sapling
Red Oak	5	Log	16		White Ash	Full	10 - 20 feet	Sapling
Basswood	5	Log	14		American Elm	Full	Variable	Sapling
Hemlock	5	Log	14		White Spruce	Full	>20 feet	Sapling
Sugar Maple	60	Log	14	109	Red Oak	Full	10 - 20 feet	Sapling
Red Maple	15	Log	12					

Field stand data from 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**27** 4110 - Sugar Maple Association Sawtimber Well 70.1 109 81-110 N/A

2024: Stand is not ready for harvest. There must have been a good amount of aspen removed in 2003. Lots of aspen and ash in the understory. Check the stand to see if it is ready for harvest in 2036.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log	14		Red Maple	Full	Variable	Sapling
White Ash	5	Log	16		White Ash	Full	>20 feet	Sapling
Red Oak	5	Log	16		Yellow Birch	Full	Variable	Sapling
Sugar Maple	65	Log	14	109	Quaking Aspen	High	10 - 20 feet	Sapling
Basswood	10	Log	14		Ironwood	Full	>20 feet	Sapling
Yellow Birch	5	Log	12		Sugar Maple	Full	Variable	Sapling
					Red Oak	Medium	>20 feet	Tall Shrub

Selection cut in 2003 (Last Limp Hdwd).

**28** 429 - Mixed Upland Conifers Poletimber Poor 46.6 36 1-50 N/A

Old clearing (mine Site) converted to forested.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	5	
Quaking Aspen	10	Pole/Log	9	
Balsam Fir	10	Pole	6	
White Pine	30	Pole	8	36
Black Cherry	10	Sapling	2	
Red Maple	15	Pole	7	
White Spruce	20	Pole	6	

**29** 4112 - Maple, Beech, Cherry Association Sawtimber Well 5.8 109 81-110 N/A

Quattro's First cut in spring/summer 2017

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log	14	109	Red Maple	Full	< 5 feet	Sapling
Yellow Birch	5	Pole	10		Sugar Maple	Full	Variable	Sapling
White Ash	5	Log	14		White Spruce	Full	>20 feet	Sapling
Red Oak	5	Log	16		White Ash	Full	10 - 20 feet	Sapling
Red Maple	15	Log	12		Red Oak	Full	10 - 20 feet	Sapling
Hemlock	5	Log	16		Balsam Fir	Full	>20 feet	Sapling

**30** 4199 - Other Mixed Upland Deciduous Sapling Well 32.4 8 Immature N/A

Quattro's First cut winter/spring 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	5	Sapling	1	8	Red Oak	High	>20 feet	Sapling
Yellow Birch	5	Sapling	1	8	Hemlock	Medium	Variable	Sapling
White Spruce	5	Sapling	1	8				
Red Maple	25	Sapling	1	8				
White Ash	5	Sapling	1	8				
Quaking Aspen	30	Sapling	1	8				
Red Oak	10	Log	14	66				
Sugar Maple	10	Sapling	1	8				
Hemlock	5	Log	14	66				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**31** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 10.9 109 111-140 N/A Steep slope between Hwy and power line, inoperable.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Log	12	109
White Pine	25	Log	18	
Red Oak	10	Log	16	
Sugar Maple	20	Log	12	
Hemlock	10	Log	18	
Yellow Birch	5	Log	12	

**32** 4119 - Mixed Northern Hardwoods Sawtimber Well 5.0 109 111-140 N/A Steep slope, inoperable ground

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log	14		Yellow Birch	High	10 - 20 feet	Sapling
Hemlock	10	Log	16		Balsam Fir	Medium	>20 feet	Sapling
Sugar Maple	33	Log	12	109	Red Maple	High	Variable	Sapling
Basswood	20	Log	12		Ironwood	High	>20 feet	Sapling
Red Maple	25	Log	12		White Spruce	Medium	>20 feet	Sapling
White Ash	2	Log	14		Sugar Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	8					

**33** 4119 - Mixed Northern Hardwoods Poletimber Well 22.0 109 111-140 N/A Inoperable ground. Rock cliff.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Log	12		Red Maple	Full	Variable	Sapling
Basswood	20	Log	12		Balsam Fir	Medium	>20 feet	Sapling
White Ash	2	Pole	8		Yellow Birch	High	10 - 20 feet	Sapling
Red Oak	10	Log	14		White Spruce	Medium	>20 feet	Sapling
Hemlock	5	Log	16		Ironwood	High	>20 feet	Sapling
White Spruce	3	Log	12		Sugar Maple	Full	Variable	Sapling
Sugar Maple	30	Log	12	109				
Yellow Birch	5	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>34</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	125.7	109	141-170	N/A	Selection cut in 2006 (Superior View Hdwd)
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	10		White Spruce	Medium	>20 feet	Sapling
Red Oak	10	Log	14		Balsam Fir	Medium	>20 feet	Sapling
White Ash	2	Log	12		Yellow Birch	High	10 - 20 feet	Sapling
Red Maple	25	Log	12		Red Maple	Full	Variable	Sapling
White Spruce	3	Log	12		Sugar Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	8		Ironwood	High	>20 feet	Sapling
Basswood	20	Log	12					
Sugar Maple	30	Log	12	109				
Hemlock	3	Log	16					

<b>35</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	5.6	45	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	10	Pole/Log	10		White Spruce	Full	>20 feet	Pole
Balsam Fir	10	Pole	6		Balsam Fir	Full	>20 feet	Pole
Basswood	5	Log	14					
Quaking Aspen	55	Log/Pole	12	45				
Northern White Cedar	5	Pole	8					
Red Maple	10	Pole	7					
Red Oak	5	Log	14					

<b>36</b>	3102 - Grass	Nonstocked	1.0		Unspecified	No	
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<b>37</b>	3102 - Grass	Nonstocked	18.8		Unspecified	No	
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<b>38</b>	3102 - Grass	Nonstocked	1.7		Unspecified	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium		Sapling

<b>39</b>	720 - Exposed Rock	Nonstocked	5.4		Unspecified	No	
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<b>40</b>	3102 - Grass	Nonstocked	12.9		Unspecified	No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>41</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	17.8	109	111-140	N/A	Ready for harvest			
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	Some steep slopes and wetter ground , cut with adj Hdwd in 2026
	Basswood	15	Pole	9		Balsam Fir	High	>20 feet	Sapling	
	White Spruce	5	Pole	8		Ironwood	High	>20 feet	Sapling	
	Red Maple	50	Pole	8	109	Sugar Maple	Full	Variable	Sapling	
	Sugar Maple	5	Pole	7		White Ash	Full	>20 feet	Sapling	
	Black Ash	20	Pole/Log	10		White Spruce	High	>20 feet	Sapling	
	Yellow Birch	5	Pole	7		Red Maple	Full	Variable	Sapling	

<b>42</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	208.3	109	141-170	N/A	Steep rock bluff areas in the middle of the stand. There are some mine exploration pits. Selection cut in 2005 (Old Indiana Hdwd, and Fire steel Mine)		
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
	Basswood	25	Pole/Log	12		Red Oak	Medium	10 - 20 feet	Sapling
	White Ash	5	Pole	8		Balsam Fir	High	10 - 20 feet	Sapling
	White Pine	2	Log	18		White Ash	Full	10 - 20 feet	Sapling
	Sugar Maple	35	Pole/Log	12	109	White Spruce	High	10 - 20 feet	Sapling
	Hemlock	3	Log	16		Ironwood	High	10 - 20 feet	Sapling
	Red Maple	20	Pole/Log	12		Sugar Maple	Full	Variable	Sapling
	Yellow Birch	5	Pole	9		Red Maple	Full	Variable	Sapling
	Red Oak	5	Log	14					

<b>43</b>	4311 - Pine, Aspen Mix	Poletimber Poor	7.4	50	1-50	N/A	Overgrown mine opening, Indiana Mine Shafts # 1 & 2,. Some apple trees.
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
	White Pine	40	Pole	8	50		
	White Spruce	13	Pole	8			
	Apple (spp.)	2	Pole	5			
	Quaking Aspen	35	Pole	9			
	Red Maple	10	Pole	7			

<b>44</b>	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	61.3	62	111-140	N/A	Possible clearcut in 2026, poor quality and some dieback		
	<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
	Quaking Aspen	30	Log	14		White Spruce	Full	>20 feet	Sapling
	White Spruce	3	Log	14		Red Maple	Full	Variable	Sapling
	White Ash	5	Pole	8		White Ash	Full	>20 feet	Sapling
	Basswood	10	Log	11		Balsam Fir	Full	>20 feet	Sapling
	Red Maple	35	Pole/Log	8	62	Sugar Maple	Full	Variable	Sapling
	American Elm	3	Pole	6					
	Red Oak	2	Log	14					
	Sugar Maple	10	Pole/Log	9					
	White Pine	2	Log	18					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**45** 4319 - Mixed Upland Forest Sapling Well 14.0 31 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log	18	
Red Oak	10	Sapling	2	
Red Maple	15	Sapling	2	
Balsam Fir	30	Sapling	2	31
Quaking Aspen	20	Sapling	2	31
Sugar Maple	5	Sapling	2	
Red Oak	5	Log	16	
White Spruce	10	Sapling	2	

**46** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 8.8 58 111-140 N/A Basswood is 1/2 dead. converting to fir. Poor Quality. Clear cut with adj. Hdwd in 2026.

Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	10	Pole	10	
Balsam Fir	10	Pole	8	
Basswood	30	Pole/Log	12	
White Spruce	10	Pole	10	
Red Maple	40	Pole	10	58

**47** 4130 - Aspen Poletimber Well 71.4 60 Unspecified N/A Creek Bottom, steep slopes BMP issues.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
American Elm	5	Pole	6		Sugar Maple	Medium	Variable	Sapling
White Spruce	5	Pole	8		Red Maple	Full	Variable	Sapling
Black Cherry	5	Pole	7		Balsam Fir	Full	>20 feet	Sapling
Quaking Aspen	60	Log	11	60	White Spruce	Full	>20 feet	Sapling
Red Maple	20	Pole	7		Black Cherry	Medium	Variable	Sapling
Basswood	5	Log	10					

**48** 4130 - Aspen Sapling Well 14.6 5 1-50 N/A Cut by LP 2019-20. Mud Flap Aspen 11-014-16.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	
White Ash	5	Sapling	1	
Red Oak	2	Log	14	
Quaking Aspen	71	Sapling	1	5
White Pine	2	XLog	22	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	4130 - Aspen	Sapling Well	7.6	5	Immature	N/A	Buffer Creek 300 feet Cut by LP 2019-20. Mud Flap Aspen 11-014-16.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Black Cherry		5	Sapling	1			
Quaking Aspen		65	Sapling	1	5		
Basswood		5	Sapling	1			
Red Maple		20	Sapling	1			
American Elm		5	Sapling	1			
50	4119 - Mixed Northern Hardwoods	Sapling Well	7.1	5	Immature	N/A	Cut by LP 2019-20. Mud Flap Aspen 11-014-16.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		50	Sapling	1	5		
Basswood		15	Sapling	1			
Black Ash		20	Sapling	1			
American Elm		15	Pole	6			
51	4119 - Mixed Northern Hardwoods	Poletimber Well	14.0	109	81-110	N/A	selection cut in 2001 (Indiana Mine Hdwd).
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		38	Pole/Log	10	109		
White Spruce		3	Log	12			
Yellow Birch		2	Pole	7			
Basswood		20	Log	12			
White Ash		3	Pole	6			
Red Oak		2	Log	14			
Sugar Maple		30	Pole/Log	10			
American Elm		2	Pole	6			
			<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
			Sugar Maple	Full	Variable	Sapling	
			Red Maple	Full	Variable	Sapling	
			White Ash	Full	>20 feet	Sapling	
			White Spruce	Medium	>20 feet	Sapling	
			Balsam Fir	Medium	>20 feet	Sapling	
52	3102 - Grass	Nonstocked	3.0		Unspecified	No	
53	4130 - Aspen	Sapling Well	37.4	5	Immature	N/A	Cut by LP 2019-20. Mud Flap Aspen 11-014-16.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		20	Sapling	1			
White Ash		5	Sapling	1			
White Pine		2	XLog	22			
Quaking Aspen		73	Sapling	1	5		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>54</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	85.2	109	111-140	N/A	Selection cut in 2006 (Award Hdwd).
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Log	14	
Yellow Birch	2	Log	12	
Basswood	40	Pole/Log	11	109
Black Cherry	3	Pole	8	
Red Maple	25	Pole	10	
White Spruce	3	Pole	8	
White Pine	2	Log	18	
Sugar Maple	20	Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	Variable	Sapling
Balsam Fir	High	10 - 20 feet	Sapling
Quaking Aspen	Low	10 - 20 feet	Sapling
Ironwood	Full	10 - 20 feet	Tall Shrub
Sugar Maple	Full	Variable	Sapling
White Spruce	High	10 - 20 feet	Sapling

<b>55</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	85.0	109	81-110	N/A	Riparian Area. LF water quality, bmp, steep.
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Log	12	
White Pine	5	Log	18	
Black Cherry	5	Pole	8	
Sugar Maple	20	Pole	9	
Red Maple	40	Pole/Log	10	109
Red Oak	5	Log	14	
Basswood	10	Log	14	
Quaking Aspen	5	Log	12	

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

<b>56</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	23.5	5	Immature	N/A	Cut by LP 2019-20. Mud Flap Aspen 11-014-16.
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Canopy Species	% Cover	Size Class	DBH	Age
American Elm	2	Pole	6	
White Ash	7	Sapling	1	
Basswood	15	Sapling	1	
White Pine	3	Log	18	
Quaking Aspen	45	Sapling	1	5
Red Maple	25	Sapling	1	
Red Oak	3	Log	14	

<b>57</b>	6112 - Lowland Aspen	Sapling Well	2.8	7	Immature	N/A	Final harvested with Golden Hdwds.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	
White Ash	5	Sapling	1	
Quaking Aspen	80	Sapling	1	7
Red Oak	5	Log/Pole	12	68
Black Ash	5	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**58** 4119 - Mixed Northern Hardwoods Poletimber Well 2.6 66 81-110 N/A Riparian corridor. BMP issues.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	5	Log	12	66	Balsam Fir	Full	>20 feet	Sapling
White Ash	31	Log	14		Ironwood	Full	10 - 20 feet	Sapling
Sugar Maple	10	Pole	9		White Spruce	Full	>20 feet	Sapling
Hemlock	2	Log	14		Red Maple	Full	Variable	Sapling
White Spruce	3	Log	12		White Ash	Full	10 - 20 feet	Sapling
American Elm	2	Pole	6		Yellow Birch	Low	Variable	Sapling
Black Ash	10	Pole	8					
Yellow Birch	10	Pole	7					
Quaking Aspen	2	Log	14					
Red Maple	25	Pole	8					

**59** 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 6.9 67 81-110 N/A Wet areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	15	Pole	8	67	Sugar Maple	Full	Variable	Sapling
Red Oak	3	Log	14		Red Maple	Full	Variable	Sapling
Quaking Aspen	20	Log	14		Balsam Fir	Full	>20 feet	Sapling
Sugar Maple	10	Pole	8		White Spruce	Full	>20 feet	Sapling
White Spruce	15	Pole	6		White Ash	High	>20 feet	Sapling
American Elm	2	Pole	6					
White Pine	3	Log	18					
Red Maple	15	Pole	8					
White Ash	7	Pole	6					
Balsam Fir	10	Pole	5					

**60** 4119 - Mixed Northern Hardwoods Sawtimber Well 29.8 109 81-110 N/A BA is still not ready for harvest 2026. Selection cut in 2006 (Superior View Hdwd)

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Log	14	109	Yellow Birch	High	10 - 20 feet	Sapling
Paper Birch	2	Pole	10		Balsam Fir	Medium	>20 feet	Sapling
White Spruce	3	Log	12		Sugar Maple	Full	Variable	Sapling
Red Maple	25	Log	12		Ironwood	High	>20 feet	Sapling
Sugar Maple	30	Log	12		Red Maple	Full	Variable	Sapling
Hemlock	3	Log	16		White Spruce	Medium	>20 feet	Sapling
Yellow Birch	5	Pole	8					
Basswood	20	Log	12					
White Ash	2	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**61** 4119 - Mixed Northern Hardwoods Sawtimber Well 5.2 109 81-110 N/A Drainage

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	10		Sugar Maple	Full	Variable	Sapling
White Spruce	3	Log	12		Red Maple	Full	Variable	Sapling
Sugar Maple	30	Log	12	109	Balsam Fir	Medium	>20 feet	Sapling
Hemlock	3	Log	16		Yellow Birch	High	10 - 20 feet	Sapling
Red Maple	25	Log	12		Ironwood	High	>20 feet	Sapling
Basswood	20	Log	12		White Spruce	Medium	>20 feet	Sapling
Yellow Birch	5	Pole	8					
Red Oak	10	Log	14					
White Ash	2	Log	12					

**62** 4119 - Mixed Northern Hardwoods Sawtimber Well 12.1 109 111-140 N/A Drainage

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	20	Log	12		Balsam Fir	Medium	>20 feet	Sapling
Paper Birch	2	Pole	10		White Spruce	Medium	>20 feet	Sapling
Sugar Maple	30	Log	12	109	Sugar Maple	Full	Variable	Sapling
Hemlock	3	Log	16		Ironwood	High	>20 feet	Sapling
White Spruce	3	Log	12		Yellow Birch	High	10 - 20 feet	Sapling
Red Maple	25	Log	12		Red Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	8					
White Ash	2	Log	12					
Red Oak	10	Log	14					

**64** 4119 - Mixed Northern Hardwoods Sawtimber Well 28.4 109 111-140 N/A Some areas of heavy oak stocking on top of the bluff. Mark through to preserve skyline. Selection cut in 2006 (Superior View Hdwd)

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	2	Log	12		White Spruce	Medium	>20 feet	Sapling
Red Oak	10	Log	14		Ironwood	High	>20 feet	Sapling
White Spruce	3	Log	12		Red Maple	Full	Variable	Sapling
Red Maple	25	Log	12		Balsam Fir	Medium	>20 feet	Sapling
Basswood	20	Log	12		Yellow Birch	High	10 - 20 feet	Sapling
Yellow Birch	5	Pole	8		Sugar Maple	Full	Variable	Sapling
Paper Birch	2	Pole	10					
Sugar Maple	30	Log	12	109				
Hemlock	3	Log	16					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**65** 6119 - Mixed Lowland Deciduous Forest Poletimber Well 57.9 109 81-110 N/A Lots of die back and rutting from previous harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	25	Pole/Log	12		Sugar Maple	Full	Variable	Sapling
White Ash	5	Pole	8		Red Oak	Medium	10 - 20 feet	Sapling
Red Oak	5	Log	14		White Ash	Full	10 - 20 feet	Sapling
Red Maple	20	Pole/Log	12		White Spruce	High	10 - 20 feet	Sapling
Hemlock	3	Log	16		Ironwood	High	10 - 20 feet	Sapling
Sugar Maple	35	Pole/Log	12	109	Balsam Fir	High	10 - 20 feet	Sapling
Yellow Birch	5	Pole	9		Red Maple	Full	Variable	Sapling
White Pine	2	Log	18					

Selection cut in 2005 (Old Indiana Hdwd, and Fire steel Mine)

**66** 4119 - Mixed Northern Hardwoods Sawtimber Well 7.0 109 141-170 N/A Rock bluff

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log	18		Ironwood	High	10 - 20 feet	Sapling
Red Oak	5	Log	14		Balsam Fir	High	10 - 20 feet	Sapling
White Ash	5	Pole	8		White Spruce	High	10 - 20 feet	Sapling
Red Maple	20	Pole/Log	12		White Ash	Full	10 - 20 feet	Sapling
Yellow Birch	5	Pole	9		Red Oak	Medium	10 - 20 feet	Sapling
Hemlock	3	Log	16		Sugar Maple	Full	Variable	Sapling
Sugar Maple	35	Pole/Log	12	109	Red Maple	Full	Variable	Sapling
Basswood	25	Pole/Log	12					

**67** 4119 - Mixed Northern Hardwoods Sawtimber Well 54.4 109 81-110 N/A Selection cut in 2005 (Old Indiana Hdwd, and Fire steel Mine) The area had a lot of aspen removed in 2005 and is still low BA (2024)

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	25	Pole/Log	12		Balsam Fir	High	10 - 20 feet	Sapling
White Ash	5	Pole	8		White Ash	Full	10 - 20 feet	Sapling
Red Oak	5	Log	14		Ironwood	High	10 - 20 feet	Sapling
Red Maple	20	Pole/Log	12		Red Oak	Medium	10 - 20 feet	Sapling
Yellow Birch	5	Pole	9		White Spruce	High	10 - 20 feet	Sapling
White Pine	2	Log	18		Red Maple	Full	Variable	Sapling
Hemlock	3	Log	16		Quaking Aspen	High	10 - 20 feet	Sapling
Sugar Maple	35	Pole/Log	12	109	Sugar Maple	Full	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**69**    4119 - Mixed Northern Hardwoods    Poletimber Well    45.9    109    81-110    N/A    Low BA, top dieback.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	3	Pole	8	
Red Maple	25	Pole	10	
Basswood	40	Pole/Log	11	109
Black Cherry	3	Pole	8	
Red Oak	5	Log	14	
White Pine	2	Log	18	
Yellow Birch	2	Log	12	
Sugar Maple	20	Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	Variable	Sapling
Sugar Maple	Full	Variable	Sapling
White Spruce	High	10 - 20 feet	Sapling
Quaking Aspen	Low	10 - 20 feet	Sapling
Ironwood	Full	10 - 20 feet	Tall Shrub
Balsam Fir	High	10 - 20 feet	Sapling

Selection cut in 2006 (Award Hdwd).