



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11064

Entry Year 2025

Acreage: 1,230

County Ontonagon

Management Area: Houghton Hardwoods

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**Stand Examiner:** Ryan Mattila

**Legal Description:**

Ontonagon County, Bohemia Township.  
T51N R37W Sec: 24, 25, 35, 36

**Identified Planning Goals:**

Central Houghton (4.6)  
To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs while protecting the water resources.

**Soil and topography:**

The soils are fine sand interspersed with veins of heavy red clay. The terrain is level on the south changing to rolling hills to steep hills with well-defined to deep spring fed gullies in the north.

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

The adjacent lands are a mixture of small ownerships, forest industry and USFS. Much of the adjoining land is managed for forest products. The small private is used mostly for recreation and hunting.

**Unique Natural Features:**

None identified.

**Archeological, Historical, and Cultural Features:**

The former Mineral Range Railroad grade (Mass City to Keweenaw Bay) crosses this compartment.

**Special Management Designations or Considerations:**

None listed.

**Watershed and Fisheries Considerations:**

Black Creek and its tributaries are trout streams.

**Wildlife Habitat Considerations:**

Compartment 64 is found in the Central Houghton Management Area on Dissected Moraines in Central Houghton County. The major forest cover types include Northern Hardwoods, Aspen, and Mixed Lowland Conifer. Some of the most significant wildlife management issues in the management area are: mesic conifers; mature forest; habitat fragmentation; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents almost 15% of the WUP State Forest hemlock resource and is one of the few Mas where the species reliably regenerates and recruits.

The following have been identified, as featured species for the Central Houghton Management Area:  
Blackburnian Warbler, Pileated Woodpecker, and Northern Goshawk.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of lacustrine (lake) clay, silt, sand and gravel. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. Abandoned copper mines are located one mile to the northwest. The compartment has not been previously leased for metallic mineral development, but State lands to the northwest were recently leased. The State leased part of Section 35 as sand and gravel lease NM-146 and potential appears to be good. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Access is good through most of the compartment. The access is Simar Airport Rd, and Butterfield Lake Rd off M-38, with the completion of the road and bridge project on Butterfield Lake Rd in 2022 over Black Creek, the old rail grade is no longer need to be used to access the compartment.

**Survey Needs:**

None needed.

**Recreational Facilities and Opportunities:**

There are no developed recreational facilities in the compartment. The USFS has a trail head along the southern edge of the compartment.

**Fire Protection:**

This is not a fire prone area.

**Additional Compartment Information:**

Ontonagon County has a mineral lease for a sand pit in the south west of the compartment.

**The following reports from the Inventory are attached:**

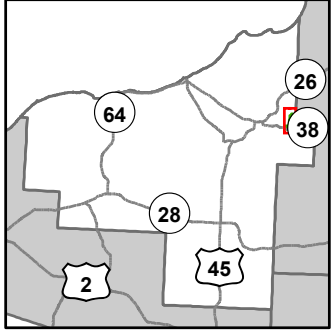
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

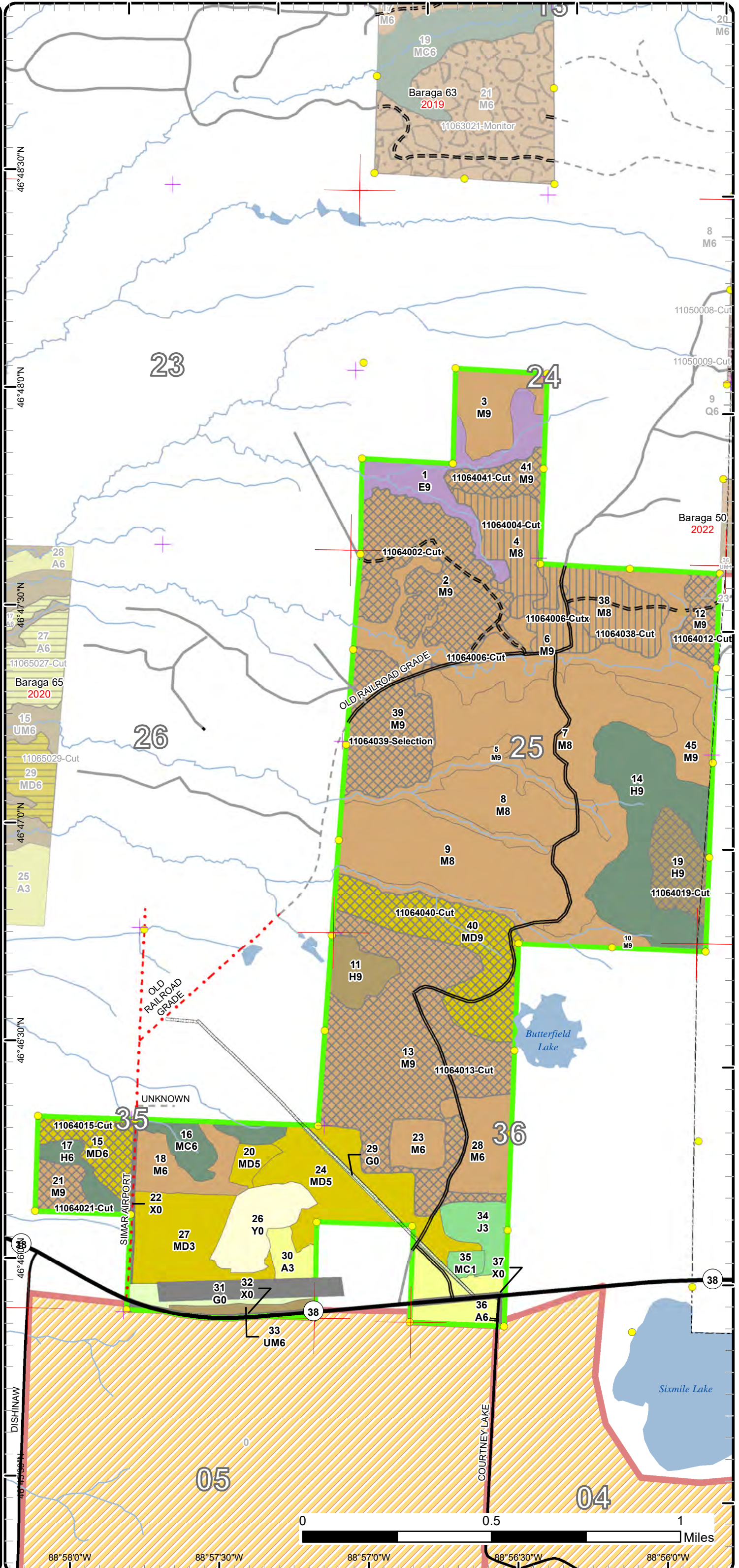
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 64  
 T51N,R37W, Sec: 24, 25, 35, 36  
 County: Ontonagon  
 Unit: Baraga  
 Mgmt Area: Houghton Hardwoods  
 YOY: 2025  
 Acres: 1229.8 GIS Calculated  
 Examiner: Ryan Mattila  
 Map Revised: 8/1/2023  
 Map Phase: Post-Review



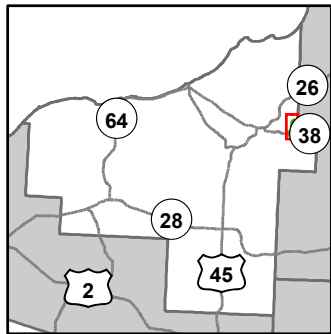
- Miris Corners
- ⊕ Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State Highway
- == Federal / State / County - Paved Road
- .- County - Gravel Road
- Private - Paved Road
- - Private - Dirt / Gravel Road
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- Pipeline
- Airports
- Compartment Boundary
- ▨ Selection (Group, Single Tree)
- ▨ Harvest, Overstory Removal
- ▨ Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 710 - Sand/Soil



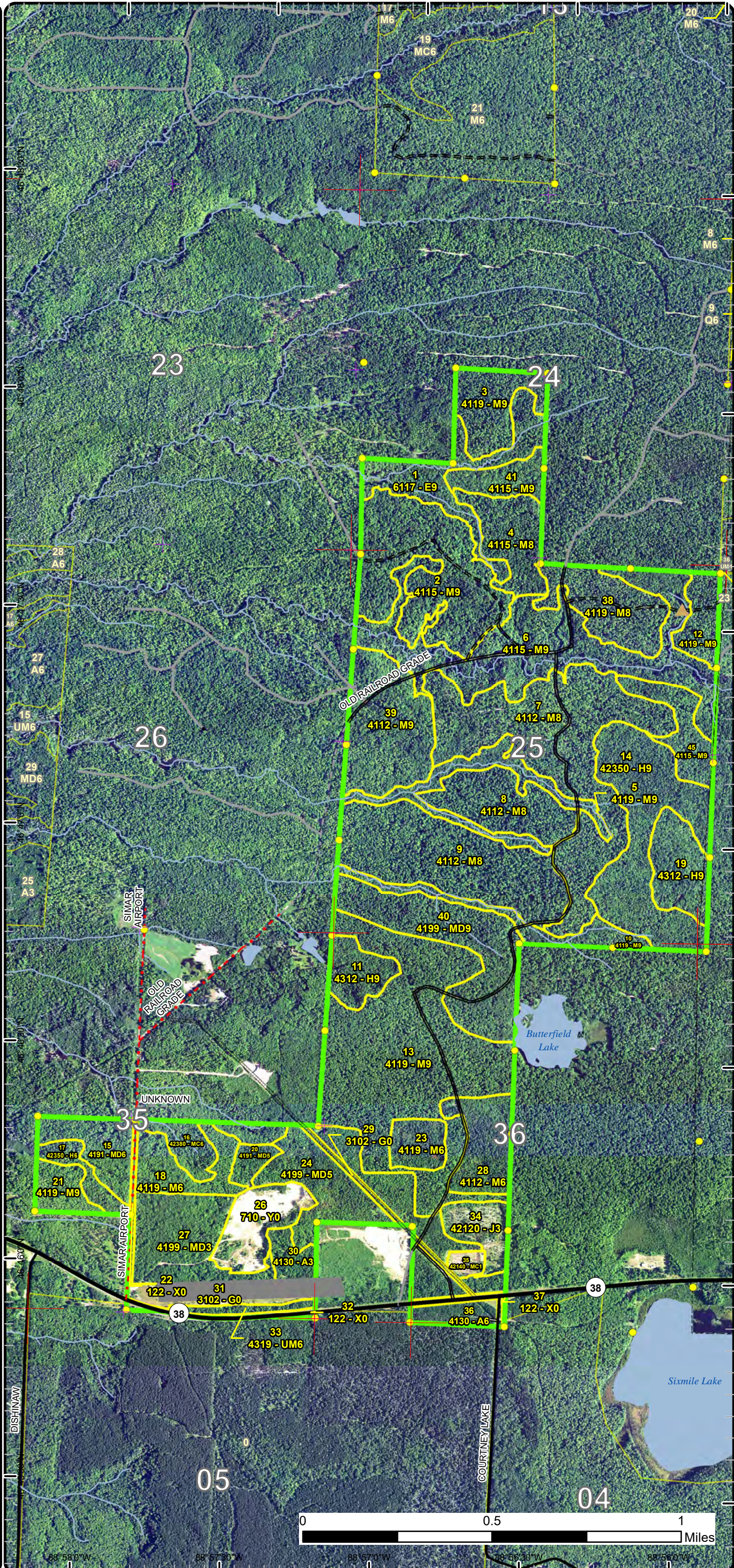
88°58'0"W      88°57'30"W      88°57'0"W      88°56'30"W      88°56'0"W

# Stand Boundary Map

Compartment: 64  
 T51N,R37W, Sec: 24, 25, 35, 36  
 County: Ontonagon  
 Unit: Baraga  
 Mgmt Area: Houghton Hardwoods  
 YOE: 2025  
 Acres: 1229.8 GIS Calculated  
 Examiner: Ryan Mattila  
 Map Revised: 8/1/2023  
 Map Phase: Post-Review

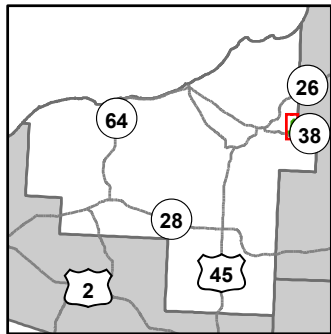


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
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- 411 - Northern Hardwood
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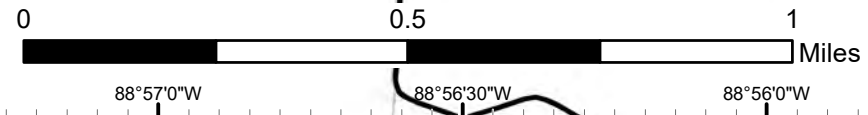
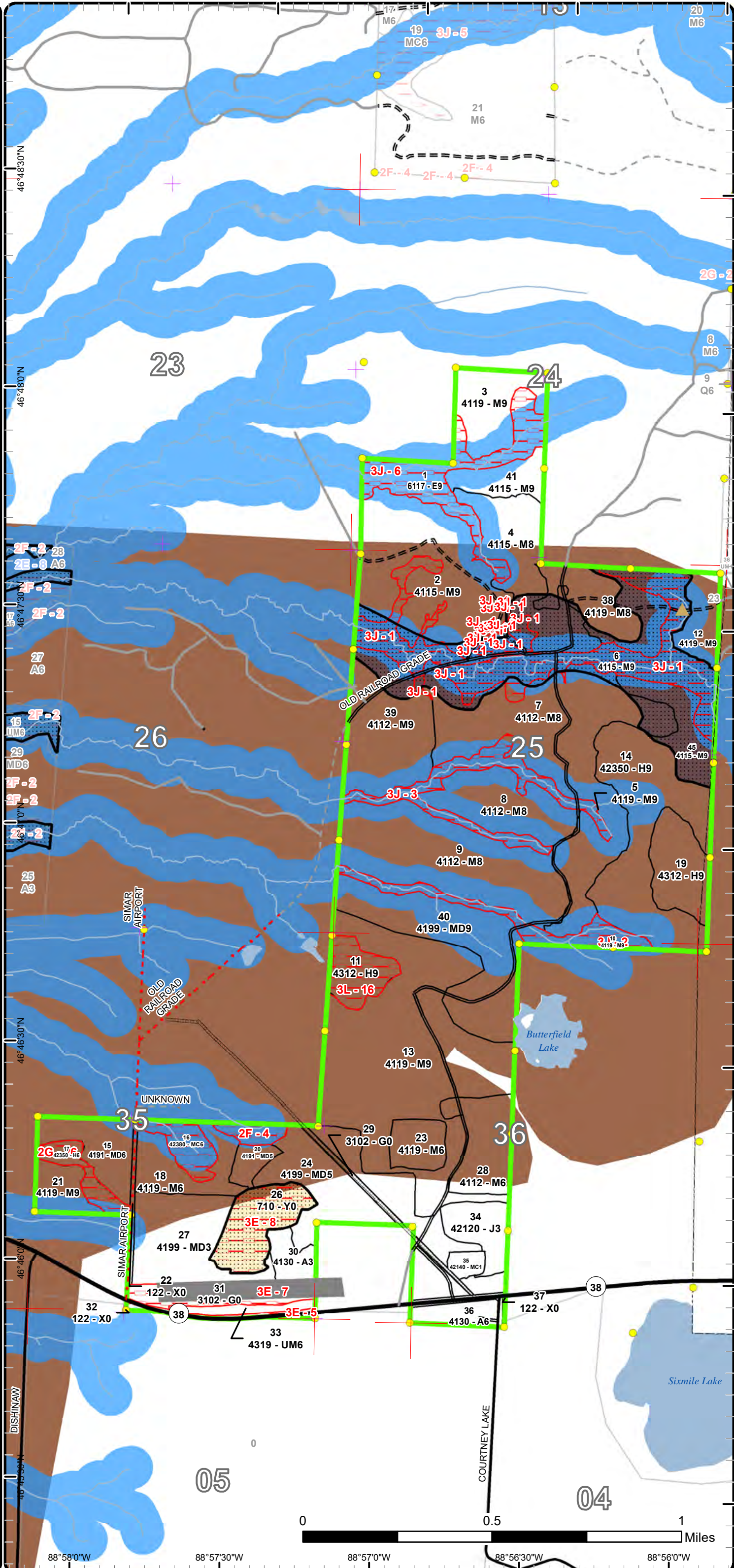


# Special Conservation Areas

Compartment: 64  
 T51N,R37W, Sec: 24, 25, 35, 36  
 County: Ontonagon  
 Unit: Baraga  
 Mgmt Area: Houghton Hardwoods  
 YOE: 2025  
 Acres: 1229.8 GIS Calculated  
 Examiner: Ryan Mattila  
 Map Revised: 8/1/2023  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- Pipeline
- Airports
- Compartment Boundary
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Riparian Area
- Vernal Pool
- Sand or Gravel Pit



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+	Unseen-Aged	Total
Aspen	0	0	9	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	29
Hemlock	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	104	113
Herbaceous Openland	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Jack Pine	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	34
Mixed Upland Deciduous	0	0	0	0	0	97	0	0	20	0	0	0	0	0	0	0	0	54	171
Northern Hardwood	0	0	0	0	0	36	0	0	31	0	0	0	0	0	0	0	0	719	786
Planted Mixed Pines	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Sand, Soil	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Upland Conifers	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	17
Upland Mixed Forest	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
<b>Total</b>	<b>57</b>	<b>4</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>153</b>	<b>0</b>	<b>0</b>	<b>83</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>911</b>	<b>1232</b>



## Report 2 – Treatment Summary

Baraga Mgt. Unit

Compartment 64

Year of Entry: 2025

Acres of Harvest

Total Compartment Acres: 1,230

Commercial Harvest - 464  
 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	Overshoot Removal	Salvage	Other	Total Acres
Hemlock	0	22	0	0	0	0	0	0	0	22
Mixed Upland Deciduous	0	74	0	0	0	0	0	0	0	74
Northern Hardwood	0	292	0	0	71	0	4	0	0	367
<b>Total</b>	<b>0</b>	<b>389</b>	<b>0</b>	<b>0</b>	<b>71</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>464</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	464	0	0	0	0	0	0	0	0	464
Next Step	0	0	0	0	0	0	459	0	0	459
<b>Total</b>	<b>464</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>459</b>	<b>0</b>	<b>0</b>	<b>923</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Approved Treatments:**

<b>2</b>	<b>11064002-Cut</b>	71.7	4115 - Y.Birch, Hemlock NH	Sawtimber Well	109	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar. Oak should be released on 3 sides  <u>Specs:</u> to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker."  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Any combination of the current overstory species.  <u>Regen:</u>  <u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2021</p>											
<b>4</b>	<b>11064004-Cut</b>	25.2	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	109	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Uneven- Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red oak, black cherry, yellow birch, cedar and white pine. Mark some yellow  <u>Specs:</u> birch to harvest, targeting trees that pose the greatest risk of loss (high valued saw logs). Target residual BA 40-60, BA will not be evenly distributed.  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Any combination of the original stands over story species prior to harvest.  <u>Regen:</u>  <u>Other</u> Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal  <u>Comment:</u> time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2024</p>											
<b>6</b>	<b>11064006-Cut</b>	4.3	4115 - Y.Birch, Hemlock NH	Sawtimber Well	109	81-110	Harvest	Overstory Removal	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Mark trees to cut along grade and roads to reduce the number of trees that fall on road and reduce risk of trees falling over and disturbing  <u>Specs:</u> grade fill  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2024</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
<b>6 11064006-Cutx</b>	14.7	4115 - Y.Birch, Hemlock NH	Sawtimber Well	109	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Uneven-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red oak, black cherry, yellow birch, cedar and white pine. Mark some yellow birch to harvest, targeting trees that pose the greatest risk of loss (high valued saw logs). Target residual BA 40-60, BA will not be evenly distributed.</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> Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>12 11064012-Cut</b>	13.7	4119 - Mixed Northern Hardwoods	Sawtimber Well	109	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine, and cedar. 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> Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>13 11064013-Cut</b>	134.4	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 70-90 square feet of basal area. Favor hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to 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> Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
<b>15 11064015-Cut</b>	20.0	4191 - Mixed Upland Deciduous with Conifer	Poetimber Well	70	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Other Comment:</u> Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>19 11064019-Cut</b>	22.4	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	109	141-170	Harvest	Single Tree Selection	4312 - Hemlock, Mixed Deciduous	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker." Mark to encourage hemlock regeneration. Do not harvest in thick hemlock patches.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the current overstory species.</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> <u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>21 11064021-Cut</b>	11.3	4119 - Mixed Northern Hardwoods	Sawtimber Well	70	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Other Comment:</u> Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</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>38</b>	<b>11064038-Cut</b>	31.0	4119 - Mixed Northern Hardwoods	Sawtimber Medium	109	81-110	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Uneven-Aged	No
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Prescription Specs: Harvest all species down to 4.6 inches DBH except hemlock, red oak, black cherry, yellow birch, cedar and white pine. Mark some yellow birch to harvest, targeting trees that pose the greatest risk of loss (high valued saw logs). Target residual BA 40-60, BA will not be evenly distributed.

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

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

Other Comment: Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.

Site Condition

Proposed Start Date: 10/1 /2024

<b>39</b>	<b>11064039-Selection</b>	47.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	109	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

Acceptable Regen: Retention: 3-10% BA will be the retention for this stand. Any combination of the original stand's over story species prior to harvest.

Other Comment: Was sold as part of Bear Bait Hdwds 11-026-15-01 and was never cut.

Site Condition

Proposed Start Date: 10/1 /2021

<b>40</b>	<b>11064040-Cut</b>	54.2	4199 - Other Mixed Upland Deciduous	Sawtimber Well	109	111-140	Harvest	Single Tree Selection	412 - Oak Types	Uneven-Aged	No
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Prescription Specs: Selectively thin hardwoods to 50-70 square feet of basal area. Favor hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to 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: Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.

Site Condition

Proposed Start Date: 10/1 /2024



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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
41 11064041-Cut	13.5	4115 - Y.Birch, Hemlock NH	Sawtimber Well	109	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, white pine, and cedar. Mark hemlock to encourage and release regeneration. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Other Comment:</u> Although stand falls in area mapped as deer yard after discussion with wildlife personnel the harvest treatments will not have a seasonal time frame restriction. It was discussed that a summer harvest would aid in soil disturbance and mineral soil exposure promoting diversity in species regeneration.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

**Total Treatment** 463.7  
**Acreage Proposed:**

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 64  
Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		2F	2G	3E	3J	3L
29	29	0	0	Aspen					
113	89	0	24	Hemlock		9			15
21	4	0	17	Herbaceous Openland			17		
15	15	0	0	Jack Pine					
34	0	0	34	Lowland Deciduous				34	
171	171	0	0	Mixed Upland Deciduous		0			
786	672	0	114	Northern Hardwood		0		114	0
4	4	0	0	Planted Mixed Pines					
24	0	0	24	Sand, Soil			24		
17	0	0	17	Upland Conifers	17				
6	6	0	0	Upland Mixed Forest					
11	7	0	5	Urban			5		
1,230	996		234	Total Forested Acres	17	9	45	147	15
	81%		19%	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)	73	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 64  
Year of Entry: 2025

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2F: Too steep	17	3L: Other wildlife concerns	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments:							
5	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: m-38 hwy							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila : Examiner

Compartment: 64  
Year of Entry: 2025

16	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	15	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
<b>Comments:</b> WLD does not permit the harvest of Hemlock stands.							
26	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
<b>Comments:</b> WLD does not permit the harvest of Hemlock stands.							



**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
<b>Black Creek</b>	Habitat Area		<b>SCA</b>	138
<b>Comments</b> Black Creek Riparian corridor				
<b>Black Creek</b>	Spring Wetlands Riparian Area	Riparian Area	<b>SCA</b>	138
<b>Comments</b> Black Creek Riparian corridor				
<b>Simar Sand Pit</b>	Mineral Resource Area	Sand or Gravel Pit	<b>SCA</b>	24
<b>Comments</b> Ontonagon County Road Comm.				





**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
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1	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	33.6	109	141-170	N/A	Riparian Corridor with steep slopes.
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Log	16	
White Pine	5	Log	16	
Hemlock	30	Log	16	
Black Ash	5	Log	12	
Sugar Maple	15	Log	16	109
Red Maple	30	Log	16	109
Yellow Birch	10	Log	16	

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

2	4115 - Y.Birch, Hemlock NH	Sawtimber Well	72.5	109	111-140	N/A	Stand under contract "11-017-22 Bear Bait 22"
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Log	10	
White Spruce	2	Log	12	
Sugar Maple	34	Log	14	
Red Maple	40	Log	14	109
Yellow Birch	10	Log	14	
White Pine	2	Log	18	
Hemlock	10	Log	18	

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

3	4119 - Mixed Northern Hardwoods	Sawtimber Well	24.0	109	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	2	Log	12	
Yellow Birch	5	Log/Pole	15	
White Pine	8	Log	18	
Hemlock	6	Log	18	
Sugar Maple	30	Log/Pole	15	
Red Maple	45	Log/Pole	13	109
Black Cherry	4	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	10 - 20 feet	Sapling
Sugar Maple	High	10 - 20 feet	Sapling
Red Maple	High	10 - 20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling

4	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	25.2	109	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	3	Log	12	
Hemlock	28	Log/XLog/Pole	16	
Northern White Cedar	2	Pole/Log	10	
Black Ash	2	Log	12	
Black Cherry	5	Log	12	
Yellow Birch	5	Log	12	
Sugar Maple	25	Log/Pole	14	
Red Maple	30	Log/Pole/XLog	15	109

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



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 23.6 109 111-140 N/A Drainage

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Log	14		Hemlock	Low	10 - 20 feet	Sapling
Balsam Fir	2	Pole	8		Black Cherry	Low	10 - 20 feet	Sapling
White Spruce	3	Log	14		Sugar Maple	Medium	10 - 20 feet	Sapling
White Pine	2	XLog/Log	18		Red Maple	Medium	10 - 20 feet	Sapling
Hemlock	5	XLog/Log/Pole	18		Balsam Fir	Low	10 - 20 feet	Sapling
Black Ash	5	Log	12					
Sugar Maple	50	Log/Pole	16	109				
Black Cherry	8	Log/Pole	12					
Red Maple	20	Log/Pole	16					

**6** 4115 - Y.Birch, Hemlock NH Sawtimber Well 92.0 109 81-110 N/A Riparian Corridor.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	10	Log	14		Sugar Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	7	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
Red Oak	2	Log	12		White Spruce	Low	10 - 20 feet	Sapling
Balsam Fir	5	Log/Pole	10		Balsam Fir	Low	10 - 20 feet	Sapling
White Pine	6	Log	18		Northern White Cedar	Low	10 - 20 feet	Sapling
White Spruce	10	Log	14		Hemlock	Low	10 - 20 feet	Sapling
Sugar Maple	10	Log/Pole	10		White Pine	Low	10 - 20 feet	Sapling
Hemlock	20	XLog/Log/Pole	18		Yellow Birch	Low	10 - 20 feet	Sapling
Red Maple	25	Log/Pole	10	109				
Black Ash	5	Log	12					

**7** 4112 - Maple, Beech, Cherry Association Sawtimber Medium 102.8 109 51-80 N/A Cut in 2017 Bear Bait Hdwds Cut in 1997 as Simar Hdwds

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/Pole	12	109	Black Cherry	Low	10 - 20 feet	Sapling
Red Maple	25	Log/Pole	12		Red Maple	Medium	10 - 20 feet	Sapling
White Pine	2	XLog/Log	18		Hemlock	Low	10 - 20 feet	Sapling
Black Cherry	8	Log	12		Sugar Maple	Medium	10 - 20 feet	Sapling
Red Oak	5	Log	16		Balsam Fir	Low	10 - 20 feet	Sapling
Hemlock	5	Log/XLog	17					
Yellow Birch	5	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**8** 4112 - Maple, Beech, Cherry Association Sawtimber Medium 31.6 109 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Log	12		Ironwood	Low	10 - 20 feet	Sapling
Red Oak	2	Log/Pole	10		Sugar Maple	High	10 - 20 feet	Sapling
Hemlock	5	Log	16		Yellow Birch	Medium	10 - 20 feet	Sapling
Black Cherry	5	Log	12		Hemlock	Low	10 - 20 feet	Sapling
Sugar Maple	45	Log	12	109	Red Maple	High	10 - 20 feet	Sapling
Yellow Birch	3	Log	12		Black Cherry	Low	10 - 20 feet	Sapling
					Balsam Fir	Low	10 - 20 feet	Sapling

**9** 4112 - Maple, Beech, Cherry Association Sawtimber Medium 72.0 109 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Log/Pole	10		Balsam Fir	Low	10 - 20 feet	Sapling
Yellow Birch	3	Log	12		Yellow Birch	Medium	10 - 20 feet	Sapling
Hemlock	5	Log	16		Red Maple	High	10 - 20 feet	Sapling
Sugar Maple	45	Log	12	109	Black Cherry	Low	10 - 20 feet	Sapling
Red Maple	40	Log	12		Sugar Maple	High	10 - 20 feet	Sapling
Black Cherry	5	Log	12		Hemlock	Low	10 - 20 feet	Sapling

**10** 4119 - Mixed Northern Hardwoods Sawtimber Well 17.0 109 141-170 N/A Drainage

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	3	Log	14		Red Maple	Medium	10 - 20 feet	Sapling
Yellow Birch	5	Log	14		Balsam Fir	Low	10 - 20 feet	Sapling
Black Ash	5	Log	12		Black Ash	Low	10 - 20 feet	Sapling
White Pine	2	XLog/Log	18		Black Cherry	Low	10 - 20 feet	Sapling
Sugar Maple	50	Log/Pole/XLog	16	109	Hemlock	Low	10 - 20 feet	Sapling
Black Cherry	8	Log/Pole	12		Sugar Maple	Medium	10 - 20 feet	Sapling
Hemlock	5	XLog/Log/Pole	18					
Balsam Fir	2	Pole/Log	10					
Red Maple	20	Log/Pole/XLog	16					

**11** 4312 - Hemlock, Mixed Deciduous Sawtimber Well 15.1 109 111-140 N/A Riparian Protection.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	3	Pole/Log	8		Sugar Maple	Low	10 - 20 feet	Sapling
Hemlock	48	Log/Pole/XLog	14	109	Red Maple	Low	10 - 20 feet	Sapling
Sugar Maple	7	Log/Pole	13		Yellow Birch	Low	10 - 20 feet	Sapling
Red Maple	30	Log/Pole	13		White Spruce	Low	10 - 20 feet	Sapling
Balsam Fir	2	Pole	8		Balsam Fir	Low	10 - 20 feet	Sapling
Yellow Birch	5	Log/Pole	12		Hemlock	Medium	10 - 20 feet	Sapling
Northern White Cedar	2	Pole	7					
White Spruce	3	Log/Pole	13					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**12** 4119 - Mixed Northern Hardwoods Sawtimber Well 13.7 109 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	45	Log/Pole	10	109	Balsam Fir	Low	10 - 20 feet	Sapling
Yellow Birch	5	Log/Pole	10		Sugar Maple	High	10 - 20 feet	Sapling
White Pine	8	Log	18		White Pine	Low	10 - 20 feet	Sapling
Hemlock	6	Log	18		Hemlock	Low	10 - 20 feet	Sapling
Black Cherry	4	Log/Pole	10		Black Cherry	Low	10 - 20 feet	Sapling
Sugar Maple	30	Log/Pole	10		Red Maple	High	10 - 20 feet	Sapling
White Spruce	2	Log	12					

**13** 4119 - Mixed Northern Hardwoods Sawtimber Well 134.4 109 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Log/Pole	12	109	Red Oak	Medium	10 - 20 feet	Sapling
Red Oak	10	Log/XLog/Pole	16		Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine	2	Log	18		Hemlock	Low	10 - 20 feet	Sapling
Yellow Birch	5	Log/Pole	12		Red Maple	High	10 - 20 feet	Sapling
Sugar Maple	30	Log/Pole	12		Sugar Maple	High	10 - 20 feet	Sapling
Black Cherry	5	Log/Pole	12		Black Cherry	Low	10 - 20 feet	Sapling
Hemlock	8	Log/Pole/XLog	15					

**14** 42350 - Upland Hemlock Sawtimber Well 66.1 109 201+ N/A Hemlock and cedar stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Log	14		Red Maple	Low	10 - 20 feet	Sapling
Black Spruce	2	Pole/Log	10		Black Spruce	Low	10 - 20 feet	Sapling
White Pine	5	Log	18		Hemlock	Medium	10 - 20 feet	Sapling
Red Maple	5	Pole/Log	10		Yellow Birch	Low	10 - 20 feet	Sapling
Hemlock	75	Log	16	109				
Northern White Cedar	6	Log/Pole	10					
Yellow Birch	5	Pole/Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**15** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 20.0 70 81-110 N/A Very brushy with balsam, larger balsam and spruce are dead or dieing from budworm.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	15	Log/Pole	13	
Paper Birch	2	Pole	8	
Yellow Birch	8	Pole	7	
Black Cherry	5	Pole/Log	9	
White Spruce	3	Pole/Log	9	
Red Maple	37	Pole/Log	9	70
Black Ash	3	Pole	8	
Balsam Fir	2	Pole	6	
Quaking Aspen	5	Pole	8	
Sugar Maple	8	Pole/Log/Sap	7	
Hemlock	12	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	10 - 20 feet	Sapling
Balsam Fir	Full	10 - 20 feet	Sapling
Hemlock	Low	>20 feet	Pole
Red Maple	Medium	10 - 20 feet	Sapling
White Pine	Medium	10 - 20 feet	Sapling

**16** 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Well 16.6 70 81-110 N/A Steep slopes with wet bottoms. Riparian corridor. The large spruce and balsam are dead/ dieing from budworm.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Pole	9	
Balsam Fir	5	Pole/Sapling	7	
Northern White Cedar	5	Pole	7	
White Pine	5	Log/Pole	12	
Black Ash	10	Log/Pole	12	
Red Maple	20	Pole/Log	9	
Hemlock	45	Log	16	70
Quaking Aspen	5	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Medium	10 - 20 feet	Sapling
Balsam Fir	High	10 - 20 feet	Sapling
White Spruce	Low	10 - 20 feet	Sapling
Tag Alder	Low	10 - 20 feet	Tall Shrub
Red Maple	Medium	10 - 20 feet	Sapling
Hemlock	Medium	10 - 20 feet	Sapling

**17** 42350 - Upland Hemlock Poletimber Well 9.4 70 111-140 N/A Steep slopes with wet bottoms. Riparian corridor. The spruce and balsam are dead / dieing frm budworm.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole	9	
Balsam Fir	2	Pole	9	
Northern White Cedar	5	Pole	9	
Black Ash	10	Log	12	
Hemlock	50	Log/Pole/XLog	16	70
Red Maple	15	Pole	9	
Yellow Birch	5	Pole/Log	9	
White Spruce	3	Pole	9	
White Pine	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Medium	10 - 20 feet	Sapling
Tag Alder	Low	10 - 20 feet	Tall Shrub
Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling
White Spruce	Low	10 - 20 feet	Sapling
Yellow Birch	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**18** 4119 - Mixed Northern Hardwoods Poletimber Well 20.1 70 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	3	Pole	7		Red Oak	Medium	10 - 20 feet	Sapling
Northern White Cedar	2	Pole/Sapling	6		Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir	2	Pole/Sapling	5		White Pine	Low	10 - 20 feet	Sapling
Hemlock	5	Log/Pole/Sap	12		Red Maple	Medium	10 - 20 feet	Sapling
Red Oak	15	Log/Pole/Sap	12		Black Cherry	Medium	10 - 20 feet	Sapling
Yellow Birch	8	Pole/Sapling	6					
Red Maple	50	Pole	7	70				
Sugar Maple	5	Pole/Sapling	6					
Black Cherry	10	Pole/Sapling	7					

**19** 4312 - Hemlock, Mixed Deciduous Sawtimber Well 22.5 109 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Log	14		Balsam Fir	Low	10 - 20 feet	Sapling
White Spruce	2	Pole	8		Hemlock	Medium	10 - 20 feet	Sapling
White Pine	2	Log	18		Hemlock	Medium	< 5 feet	Pole
Hemlock	44	XLog/Log	18	109	Sugar Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	3	Pole	10					
Sugar Maple	15	Log/Pole	14					
Black Cherry	2	Pole	8					
Yellow Birch	5	Log	16					
Red Maple	25	Log/Pole	14					

2022: Stand under contract "11-017-22 Bear Bait 22"  
2012: The western fringe was cut with 11-012-95-01. Will have to stay out of thick hemlock areas. Mark hardwoods to encourage hemlock regeneration. DNR mark.

**20** 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 6.0 44 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Sapling	3	44	Red Maple	Low	10 - 20 feet	Sapling
Red Oak	8	Pole/Sapling	5	44	Serviceberry (Juneberry)	Medium	10 - 20 feet	Tall Shrub
Tamarack	35	Pole	9	44				
White Pine	2	Log	18					
Red Maple	20	Pole/Sapling	5	44				
Quaking Aspen	30	Pole/Sapling	5	44				

MTU Simar Standing Timbe Trial. Larch planted in 1979. Very poor larch stocking.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**21** 4119 - Mixed Northern Hardwoods Sawtimber Well 11.3 70 111-140 N/A 2023 ready to harvest, mark to thin  
Poor quality. Thin stocking with nice oak and pine underneath.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole	8		White Pine	Medium	10 - 20 feet	Sapling
Red Maple	45	Log	12	70	Red Maple	Medium	10 - 20 feet	Sapling
Red Oak	15	Log	16		Red Oak	Medium	10 - 20 feet	Sapling
Yellow Birch	5	Pole	8		Hemlock	Low	10 - 20 feet	Sapling
Hemlock	5	Log	16		Northern White Cedar	Low	10 - 20 feet	Sapling
White Pine	5	Log	18					
Black Cherry	5	Pole	8					

**22** 122 - Road/Parking Lot Nonstocked 3.4 Unspecified No county road

**23** 4119 - Mixed Northern Hardwoods Poletimber Well 12.1 44 1-50 N/A MTU Herbicide Trial Area 1978-2. Larch test plantation, planted in 1979.  
Very poor larch stocking/ failed. Could be called a M4 stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	25	Log/Pole	11	44	Sugar Maple	Full	10 - 20 feet	Sapling
Hemlock	5	Sapling	4	44				
Red Maple	20	Pole/Sapling	5	44				
Sugar Maple	40	Sapling	4	44				
Black Cherry	5	Sapling	4	44				
Quaking Aspen	5	Sapling	4	44				

**24** 4199 - Other Mixed Upland Deciduous Poletimber Medium 51.5 44 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole/Sapling	5		Red Maple	Medium	10 - 20 feet	Sapling
Black Cherry	5	Pole	6	44	Sugar Maple	High	10 - 20 feet	Sapling
Sugar Maple	15	Pole	5	44				
Red Maple	33	Pole	5	44				
Red Oak	15	Pole	6	44				
Quaking Aspen	25	Pole	7	44				
Hemlock	3	Log/Pole	14					
Balsam Fir	2	Pole	6	44				

**26** 710 - Sand, Soil Nonstocked 23.6 Unspecified No sand pit





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**27** 4199 - Other Mixed Upland Deciduous Sapling Well 39.3 48 1-50 N/A The spruce and balsam are dying from budworm.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Log	12	
White Pine	5	Log	12	
Red Oak	20	Sapling	4	48
Quaking Aspen	15	Sapling	4	48
White Spruce	5	Sapling	3	48
White Pine	5	Sapling	3	48
Balsam Fir	5	Sapling	3	48
Red Maple	30	Sapling	3	48
Black Cherry	5	Sapling	3	48

**28** 4112 - Maple, Beech, Cherry Association Poletimber Well 23.8 45 51-80 N/A 2013 - MTU Dept of Energy plantation study 1978. Was supposed to of had black locust planted. M3 stand. Failed plantaion from looks.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Sapling	5		Black Cherry	High	>20 feet	Sapling
Black Cherry	18	Pole/Sapling	5		Red Oak	Low	>20 feet	Sapling
Red Oak	5	Pole/Sapling	5		Sugar Maple	High	>20 feet	Sapling
Red Maple	47	Pole/Sapling	5	45				
Sugar Maple	20	Sapling/Pole	4					
Quaking Aspen	5	Pole	6					

**29** 3102 - Grass Nonstocked 4.2 Unspecified No buired powerline

**30** 4130 - Aspen Sapling Well 8.9 17 Unspecified N/A Two aged aspen due to poor cutting during the timbersale.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Sapling	2	17
Red Maple	10	Sapling	2	17
Red Oak	5	Sapling	2	17
Quaking Aspen	70	Sapling/Pole	3	17
White Pine	5	Sapling	2	17
White Pine	5	Log	16	

**31** 3102 - Grass Nonstocked 17.3 Unspecified No Simar Air Field

**32** 122 - Road/Parking Lot Nonstocked 4.5 Unspecified No M-38 Hwy



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 4319 - Mixed Upland Forest Poletimber Well 5.5 70 81-110 N/A 2023 trees are merchantable and could be cut at any time. M-38 ROW

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	3	Pole/Sapling	6		Red Maple	Medium	10 - 20 feet	Sapling
White Pine	30	Log/Pole	12	70	Red Oak	Medium	10 - 20 feet	Sapling
Paper Birch	2	Pole/Log	9		Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	20	Pole/Log	9	70	White Pine	Medium	10 - 20 feet	Sapling
Quaking Aspen	7	Pole	9					
Red Oak	20	Pole/Log	9					
Sugar Maple	5	Pole	8					
Jack Pine	8	Pole	9					
White Spruce	5	Log/Pole	10					

**34** 42120 - Planted Jack Pine Sapling Well 14.8 15 Unspecified N/A Old Simar Sand Pit. Planted to larch and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Sapling	2	15
Tamarack	5	Pole	6	
Red Pine	2	Sapling	2	15
Black Cherry	5	Sapling	2	15
Red Oak	4	Sapling	2	15
Jack Pine	80	Sapling/Pole	3	15
White Pine	2	Sapling	3	15

**35** 42140 - Planted Mixed Pine Sapling Poor 3.9 3 1-50 N/A planted to red pine 2021 - passed regen check fall of 2022

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	48	Sapling	1	3
White Pine	2	Log/Pole	12	
Red Maple	5	Sapling	1	
White Spruce	5	Sapling	1	
Red Oak	5	Sapling	1	
Red Pine	35	Sapling	1	3

**36** 4130 - Aspen Poletimber Well 20.3 44 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Pole/Sapling	6		Red Maple	High	10 - 20 feet	Sapling
Quaking Aspen	81	Pole/Sapling	6	44	Red Pine	Low	Variable	Sapling
Jack Pine	2	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
White Pine	3	Log/Pole	12		Black Cherry	Low	Variable	Sapling
Black Cherry	2	Sapling	4					
Red Pine	2	Log/Pole	12					
Red Maple	5	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**37** 122 - Road/Parking Lot Nonstocked 3.4 Unspecified No M-38 HWY

**38** 4119 - Mixed Northern Hardwoods Sawtimber Medium 31.0 109 81-110 N/A Cut in summer 2015, Hemlock Hills Hdwd..

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	XLog	18		Balsam Fir	Low	10 - 20 feet	Sapling
Black Cherry	5	Log/XLog/Pole	16		Hemlock	Medium	Variable	Sapling
Red Maple	40	Log/Pole	12	109	Red Maple	Medium	10 - 20 feet	Sapling
Sugar Maple	34	Log/Pole	11		Sugar Maple	Medium	10 - 20 feet	Sapling
Hemlock	10	Log/XLog	16		White Spruce	Low	10 - 20 feet	Sapling
Yellow Birch	5	Log/Pole	12					
Balsam Fir	2	Pole	5					
White Spruce	2	Pole	7					

**39** 4112 - Maple, Beech, Cherry Association Sawtimber Well 47.3 109 111-140 N/A 2022: Stand under contract "11-017-22 Bear Bait 22"2019: Was set up to be with Bear Bait Hdwds and was not cut with the sale, turned back.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	XLog/Log	18		Red Maple	Medium	10 - 20 feet	Sapling
Hemlock	5	XLog/Log	18		Balsam Fir	Low	10 - 20 feet	Sapling
Sugar Maple	50	Log/Pole	12	109	Hemlock	Low	10 - 20 feet	Sapling
Black Cherry	8	Log	12		Black Cherry	Low	10 - 20 feet	Sapling
Red Maple	25	Log/Pole	12		Sugar Maple	Medium	10 - 20 feet	Sapling
Yellow Birch	5	Log	14					
Red Oak	5	Log	16					

Cut in 1997 as Simar Hdwds

**40** 4199 - Other Mixed Upland Deciduous Sawtimber Well 54.2 109 111-140 N/A Cut as part of sale "Pipe Dream Hdwds." Closed in 2006

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	3	Log	16		Hemlock	Low	10 - 20 feet	Sapling
Sugar Maple	15	Pole/Log	9		Sugar Maple	High	10 - 20 feet	Sapling
Red Oak	52	Log/XLog/Pole	17	109	Red Maple	High	10 - 20 feet	Sapling
White Pine	2	Log/XLog	17		Red Oak	Medium	10 - 20 feet	Sapling
Hemlock	5	Log/Pole/XLog	16		Black Cherry	Low	10 - 20 feet	Sapling
Yellow Birch	3	Pole/Log	9		Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	20	Log/Pole	12	109				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**41**      4115 - Y.Birch, Hemlock NH      Sawtimber Well      13.5      109      141-170      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Log	16	109	Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	35	Log/Pole/XLog	14	109	Red Maple	Low	10 - 20 feet	Sapling
Yellow Birch	10	Log	16		Yellow Birch	Low	10 - 20 feet	Sapling
White Spruce	5	Log	16		Balsam Fir	Low	10 - 20 feet	Sapling
Hemlock	30	XLog/Log/Pole	18		Hemlock	Low	10 - 20 feet	Sapling
White Pine	5	XLog/Log	22		White Spruce	Low	10 - 20 feet	Sapling

**45**      4115 - Y.Birch, Hemlock NH      Sawtimber Well      18.0      109      81-110      N/A      Riparian Corridor.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	10	Log	14		Balsam Fir	Low	10 - 20 feet	Sapling
Northern White Cedar	7	Log/Pole	10		White Spruce	Low	10 - 20 feet	Sapling
White Pine	6	Log	18		Northern White Cedar	Low	10 - 20 feet	Sapling
Sugar Maple	10	Log/Pole	10		White Pine	Low	10 - 20 feet	Sapling
Hemlock	20	XLog/Log/Pole	18		Sugar Maple	Low	10 - 20 feet	Sapling
Yellow Birch	10	Log	14		Hemlock	Low	10 - 20 feet	Sapling
Red Oak	2	Log	12		Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	5	Log/Pole	10		Yellow Birch	Low	10 - 20 feet	Sapling
Red Maple	25	Log/Pole	10	109				
Black Ash	5	Log	12					