



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11060

Entry Year: 2027

Acreage: 1,257

County: Houghton

Management Area: Houghton Hardwoods

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**Stand Examiner:** Ryan Mattila

**Legal Description:**

T53N, R33W, Sections 16, 20, 21, 28, 29

**Identified Planning Goals:**

The lands in this compartment are managed as part of the Sturgeon River Sloughs Wildlife Area.

**Soil and topography:**

This compartment is level. Most of the soils are Dawson peat. There is some Arnheim silt loam and Tawas – Roscommon muck on the west and east edges.

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

The lands around this compartment are farm lands, with some timber management on the upland.

**Unique Natural Features:**

Loon, Common moorhen, American bittern and Bigmouth shiner have been documented in the compartment. Potential for bald eagle, osprey, great blue heron rookery, wood turtle, moose, and wolf.

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

There is a HAL hit that should not affect any management activities.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

This compartment contains a small unnamed Sturgeon River oxbow lake and a ditch connected to the Sturgeon River. No specific comments other than follow BMP's.

**Wildlife Habitat Considerations:**

This compartment features lowland brush, tamarack, and other swamp conifers north of 7 impoundments at the Sturgeon River Sloughs Wildlife Area, and is very wet. Timber harvest should be minimized and the area retained primarily in its natural state.

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

Surface sediments consist of peat and muck and minor coarse-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone and was quarried just to the south. The closest gravel pit is located in Section 18 to the west, but there may be potential on the uplands. Abandoned copper mines are located seven miles to the northwest. The Compartment has not been leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Access is poor. The east edge touches a county road in Section 28.

**Survey Needs:**

Survey will be needed if any harvest activities are prescribed.

**Recreational Facilities and Opportunities:**

Snowmobile trail 15 uses the west spoil bank of the ditch. The area is used some by hunters.

**Fire Protection:**

This is not a fire prone area however historical fires have had ground fire associated with them. This area has poor access for fire equipment.

**Additional Compartment Information:**

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

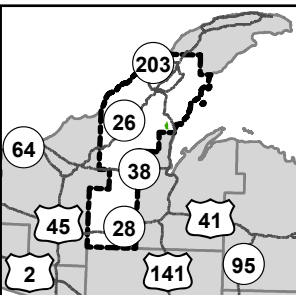
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

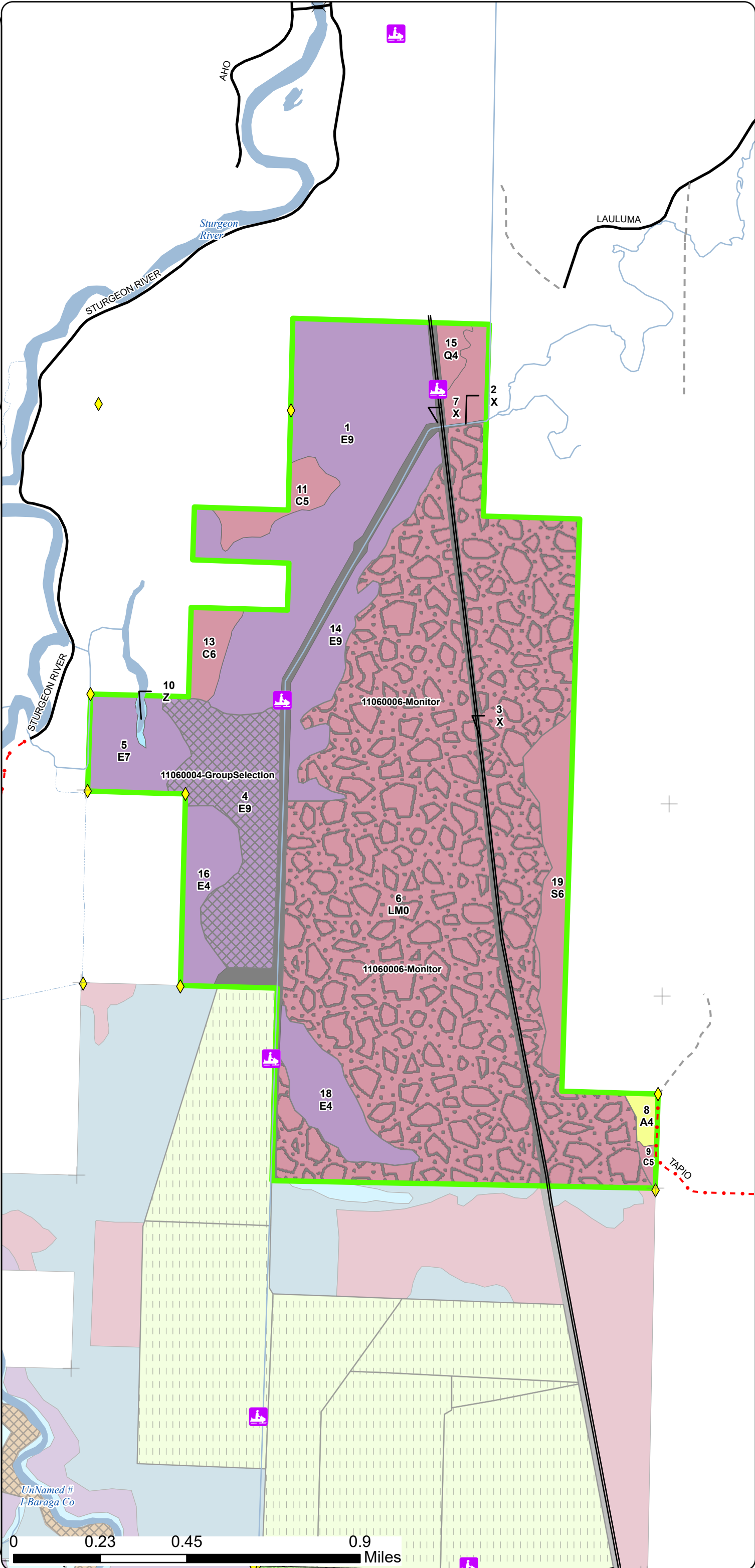
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 11060  
T53N, R33W, Sec: 16, 20, 21, 28, 29  
County: Houghton  
Unit: Baraga  
Mgmt. Area: Houghton Hardwoods  
YOE: 2027  
Acres: 1,256.92 GIS Calculated  
Examiner: Ryan Mattila  
Date Exported: 04/28/2025  
Map Phase: Web Post



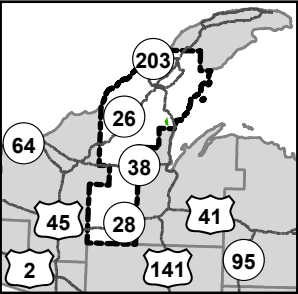
- Remonumented Section Corners
- Survey Grade Corners
- Bridges
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Selection
- Monitoring - Regeneration
- Selection
- Seeding
- Openings Mgmt.
- 413 - Aspen
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot



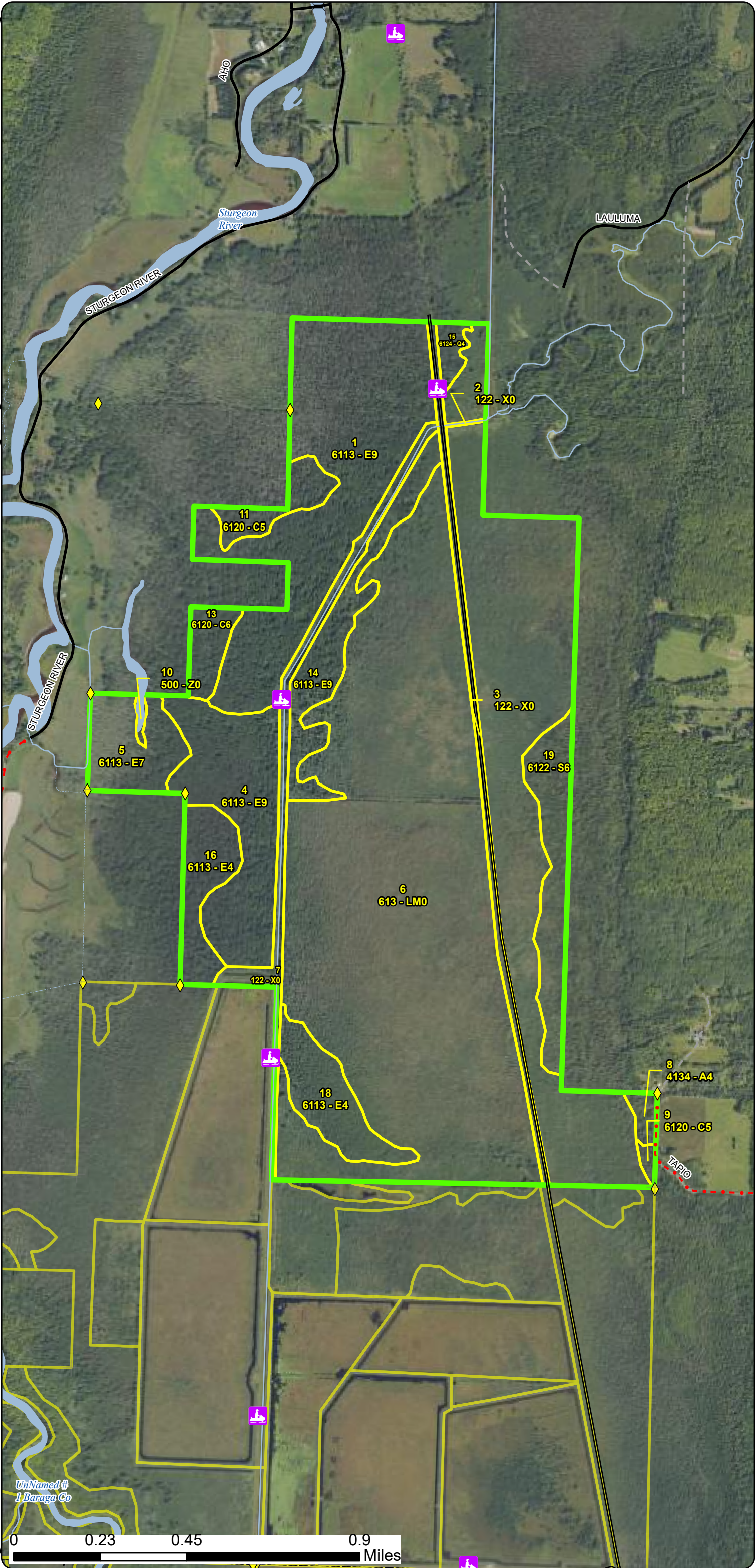


Stand Boundary  
Map

Compartment: 11060  
T53N, R33W, Sec: 16, 20, 21, 28, 29  
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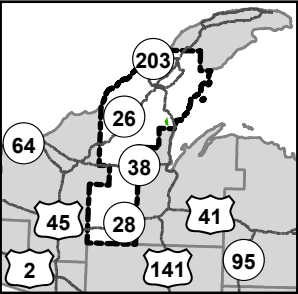
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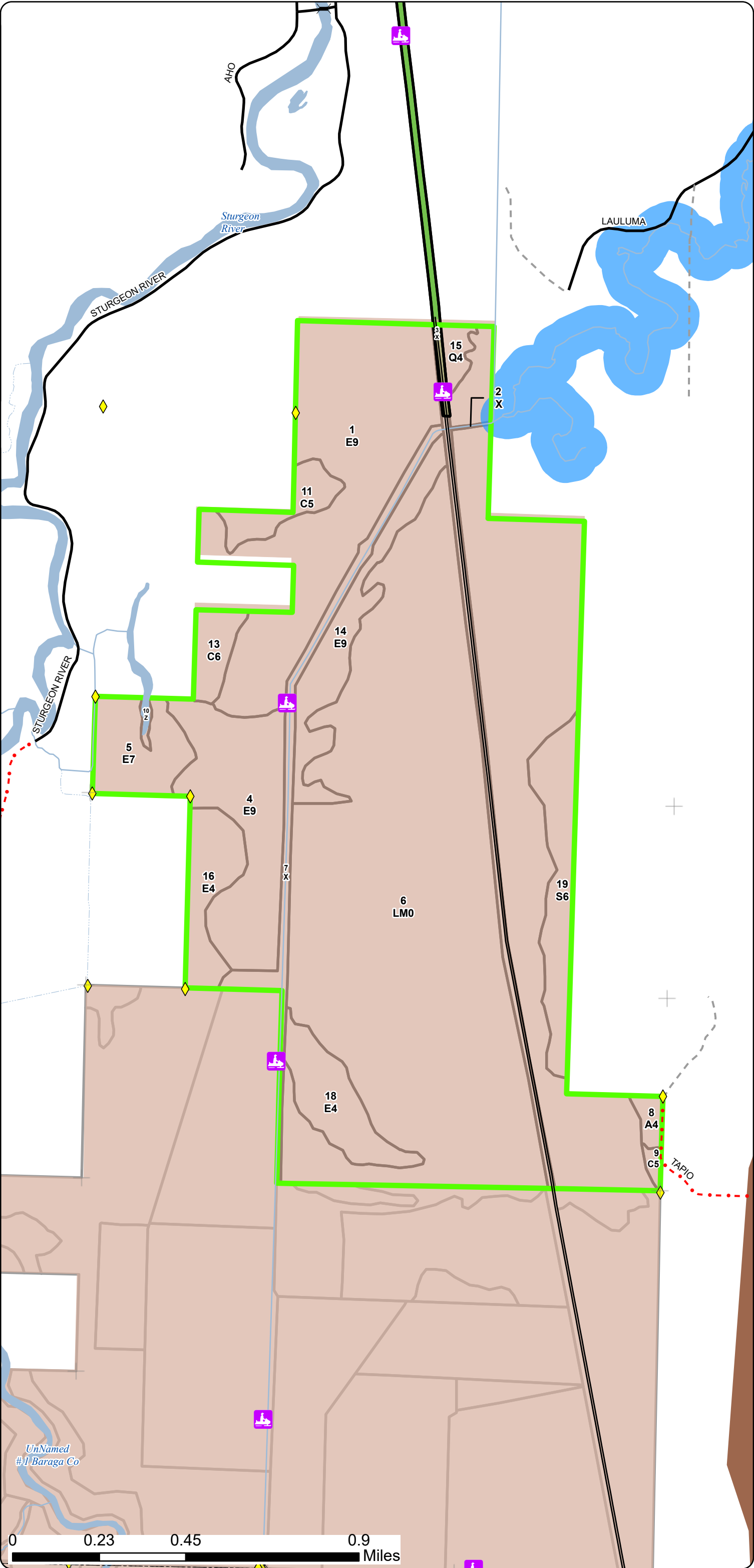


Special Conservation Areas  
& Site Conditions Map

Compartment: 11060  
T53N, R33W, Sec: 16, 20, 21, 28, 29  
County: Houghton  
Unit: Baraga  
Mgmt. Area: Houghton Hardwoods  
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- Remonumented Section Corners
- Survey Grade Corners
- Bridges
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Wildlife Research Areas
- 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	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Cedar	0	0	0	0	0	0	0	2	0	16	0	0	0	15	0	0	0	0	32
Lowland Conifers	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Deciduous	0	0	0	0	0	0	0	30	82	246	0	0	34	0	0	0	0	0	392
Lowland Mixed Forest	718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	718
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	43
Urban	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	777	0	0	0	0	0	7	37	82	262	0	0	77	15	0	0	0	0	1256



Report 2 – Treatment Summary

Baraga Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 60  
Total Compartment Acres: 1,257

Commercial Harvest -  
Harvests with Site Condition - 82  
Next Step Harvest - 0  
Habitat Cut - 0

Cover Type by Harvest Method

		<div>ClearcutSelectionPatch ClearcutSeed TreeShelterwoodThinningOverstory RemovalSalvageOtherTotal Acres</div>									
Lowland Deciduous		0	82	0	0	0	0	0	0	0	82
Total		0	82	0	0	0	0	0	0	0	82

Proposed and Next Step Treatments by Method

		<div>HarvestSite PrepPlantingSeedingBurningPesticideMonitoringOtherNon-Forest Mgt.Total Acres</div>									
Current		82	0	0	0	0	0	704	0	0	786
Total		82	0	0	0	0	0	704	0	0	786



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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**Proposed Treatments:**

6	11060006-Monitor	704.4	613 - Lowland Mixed Forest	0	20		Monitoring	Monitoring - Regeneration	612 - Lowland Coniferous Forest	Planting Record	No
<u>Prescription</u> Check stand with snow off conditions for regeneration <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any tree species at any density will be acceptable to FRD as this area has historically been un-harvestable <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
4	11060004-GroupSelection	82.0	6113 - Lowland Maple	9	79	81-110	Harvest	Selection	611 - Lowland Deciduous Forest	Cutting Record	No
<u>Prescription</u> Harvest all trees greater than 8" dbh except conifer species, elm and marked deciduous trees. Leave tree mark large diameter deciduous trees <u>Specs:</u> (16"+ DBH) that have the potential of becoming wood duck nesting trees at a density no greater than 2-4 per acre. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any tree species that are currently represented in the over story. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> No Markets <u>Proposed Start Date:</u> 10/01/2026											

Total Treatment 0  
Acreage Proposed:



# Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila: Examiner

Compartment: 60  
Year of Entry: 2027



## Availability for Management

Total Acres	Acres Available	Acres Available <i>With Condition</i>	Acres Not Available	Dominant Site Conditions			
				4A	2G	2H	3L
5	5	0	0	Aspen			
33	2	0	31	Cedar			31
7	0	0	7	Lowland Conifers		7	
392	65	249	78	Lowland Deciduous	249	78	
718	718	0	0	Lowland Mixed Forest			
43	0	0	43	Lowland Spruce/Fir		43	
57	57	0	0	Urban			
2	2	0	0	Water			
1,257	849	249	159	Total Forested Acres	249	43	84
	68%	20%	13%	Relative Percent			31

*\*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	Available	4A: No markets available for these forest products	82	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Available	4A: No markets available for these forest products	167	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	78	4A: No markets available for these forest products	2C: Engineered bridge needed (Dept. portable bridge not available or inadequate)	2B: Unknown if access through adjacent landowner(s) is possible	2E: Road needed	
Comments:								

# Report 4 – Site Conditions

Baraga Mgt. Unit  
Ryan Mattila: Examiner

Compartment: 60  
Year of Entry: 2027



4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3L: Other wildlife concerns	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Arnheim, Wild Life Management Area							
6	Unavailable	3L: Other wildlife concerns	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Arnheim, Wild Life Management Area							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!  
Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				







Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
9	6120 - Lowland Cedar	Poletimber Medium	2.4	65	51-80	N/A	2018: Old trail to RR grade passes through the stand. Lots of mortality in the tamarack. Stand was split from treatment to the north due to wet ground.			
<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>
Red Maple		2	Sapling	6		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen		10	Seedling	8		Balsam Fir		Low	5 - 10 feet	5 - 10 feet
Balsam Fir		5	Seedling	8		White Spruce		Low	10 - 20 feet	10 - 20 feet
Tamarack		20	Seedling	8	65	Michigan Holly		Low	5 - 10 feet	5 - 10 feet
White Spruce		13	Seedling	8						
Northern White Cedar		50	Seedling	8	65					
10	500 - Water	Unspecifed	1.8			No				
11	6120 - Lowland Cedar	Poletimber Well	16.4	87	81-110	N/A	Cedar stand. Wet ground.			
<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>	
Silver Maple		15		9		Tag Alder	High	5 - 10 feet	5 - 10 feet	
Northern White Cedar		80	Seedling	8	87	Northern White Cedar	Medium	10 - 20 feet	10 - 20 feet	
Red Maple		5		9		Michigan Holly	Low	5 - 10 feet	5 - 10 feet	
13	6120 - Lowland Cedar	Poletimber Well	14.5	120	111-140	N/A	Cedar stand. Wetter ground.			
<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>	
Northern White Cedar		70	Seedling	8	120	Northern White Cedar	Medium	10 - 20 feet	10 - 20 feet	
Red Maple		10	Seedling	8		Michigan Holly	Low	5 - 10 feet	5 - 10 feet	
Silver Maple		20	Seedling	8		Tag Alder	High	5 - 10 feet	5 - 10 feet	
14	6113 - Lowland Maple	Sawtimber Well	43.5	83	111-140	N/A	Poor quality. Wet ground. Most likely operable. Access is an issue. Some mortality in the tamarack.			
<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>	
Red Maple		20		10		Michigan Holly	Low	5 - 10 feet	5 - 10 feet	
Silver Maple		80		12	83	Tag Alder	Low	5 - 10 feet	5 - 10 feet	
15	6124 - Lowland Spruce-Fir	Poletimber Poor	6.8	55	Unspecified	N/A	Wet ground along RR grade.			
<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>	
Silver Maple		30	Seedling	8	55	Tag Alder	High	5 - 10 feet	5 - 10 feet	
Red Maple		5	Seedling	8		Balsam Fir	Medium	10 - 20 feet	10 - 20 feet	
Black Spruce		10	Sapling	6						
Northern White Cedar		15	Sapling	6						
Balsam Fir		40	Sapling	6	55					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
16	6113 - Lowland Maple	Poletimber Medium	30.2	61	1-50	N/A	Poor quality timber. BA Range 20, 40, 60. Sparse silver maple poles with a full understory of tag alder. Wet.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		1	Seedling	9		Tag Alder	Full	5 - 10 feet	5 - 10 feet
Red Maple		15	Seedling	9					
Silver Maple		78	Seedling	9	61				
White Spruce		1	Seedling	9					
Northern White Cedar		5	Seedling	9					
18	6113 - Lowland Maple	Poletimber Well	34.1	111	1-50	N/A	2015 - Some mortality in the tamarack throughout the stand. Wetter ground than the stand to the east. The south part of the stand gets quite wet and heavier to small diameter tamarack.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Seedling	9		Silver Maple	Low	10 - 20 feet	10 - 20 feet
Silver Maple		80		12	111	Red Maple	Low	10 - 20 feet	10 - 20 feet
						Tag Alder	High	5 - 10 feet	5 - 10 feet
19	6122 - Black Spruce	Poletimber Well	43.3	111	81-110	N/A	Should be operable ground. Access is an issue. The tamarack is in decline. Not much tag alder in the understory. Wet pockets throughout the stand. Left for a wildlife corridor. WLD managed lands.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Seedling	8		Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Tamarack		1		10		Black Spruce	Medium	10 - 20 feet	10 - 20 feet
Black Spruce		79	Seedling	9	111	Michigan Holly	Low	5 - 10 feet	5 - 10 feet
Northern White Cedar		15	Seedling	6		Red Maple	Low	10 - 20 feet	10 - 20 feet
						Paper Birch	Low	10 - 20 feet	10 - 20 feet
						Tag Alder	Low	5 - 10 feet	5 - 10 feet