

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41069

Entry Year: 2027

Acreage: 508

County: Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Adam Petrelius

Legal Description:

T42N R14W Sections 5, 7, 8 & 18

Identified Planning Goals:

The main goal of this compartment is to conduct multiple resource management for current and future generations.

Soil and topography:

The soils in Schoolcraft County are currently being mapped by the Soil Survey. Preliminary soils information including Habitat Types can be found in the specific stand comments. In general, the soils are poorly drained organic soils on the low ground and the hardwood types along the river are moderately drained loam complexes. The topography is mostly level, lower type ground with slight rises where upland tree species occur. Along the northeast edge of the compartment is a steep ridge of hardwoods descending into the cedar type which makes up a large part of the compartment. Many oxbows and drainages occur on the west boundary along the Manistique River. The compartment is predominately in the Manistique Sloughs/Muskeg Land Type Association (LTA). However, the southern end of the compartment lies within the Stutts Creek Sands LTA.

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

This compartment stretches a little over 2 miles along the Manistique River. It is a very narrow, non-contiguous pattern. Development consists of permanent dwellings and hunting camps on the private ownerships, all along the river. Hunting is the main use within the compartment.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Majority of the compartment is an SCA for deer wintering complex.

Watershed and Fisheries Considerations:

This compartment contains the Main Branch Manistique River. The Main Branch Manistique River is a non-designated large river that has a predicted mean July water temperature of 69.4°F (cool river). A minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended for the Main Branch Manistique River to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is bounded on the west by the Manistique River. General Land Office notes indicate that the first surveyors found uplands dominated by hemlock, white pine, birch, sugar maple, and beech.. Red maple, balsam fir, and basswood were minor components. Cedar appeared to be the primary lowland tree species. Currently the forest species composition appears to be fairly similar to pre-settlement times. However, there is likely a difference in distribution of those species. Featured species in this compartment are beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. Wildlife habitat objectives include maintaining white birch as a component in the forest, protecting the closed canopy cedar stands, and regenerating aspen.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of thin to discontinuous lacustrine (lake) sand and gravel over bedrock. The glacial drift thickness varies from 0 to 10 feet. The Silurian Cabothhead Shale subcrops below the glacial drift. The Cabothhead does not have a current economic use. The nearest gravel pit is located one-half mile to the east and there may be some potential on the uplands. There is no commercial oil and gas production in the UP.

Vehicle Access:

Most of compartment is not accessible by conventional vehicles. Two track dirt roads run alongside compartment

boundaries with access to the interior being by foot.

Survey Needs:

No active treatments.

Recreational Facilities and Opportunities:

There are no facilities. Opportunities are limited to the adjacent landowners.

Fire Protection:

Access to the majority of the compartment would be difficult as the compartment is surrounded by private land. Numerous camps and permanent structures surround the compartment.

Additional Compartment Information:

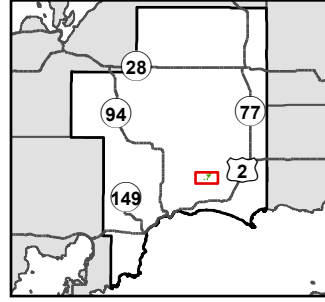
The following reports from the Inventory are attached:

- 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**

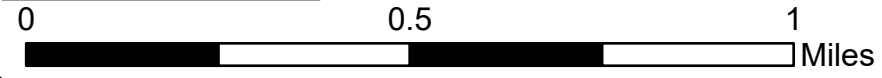
The following information is displayed, where pertinent, on the attached compartment maps:

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

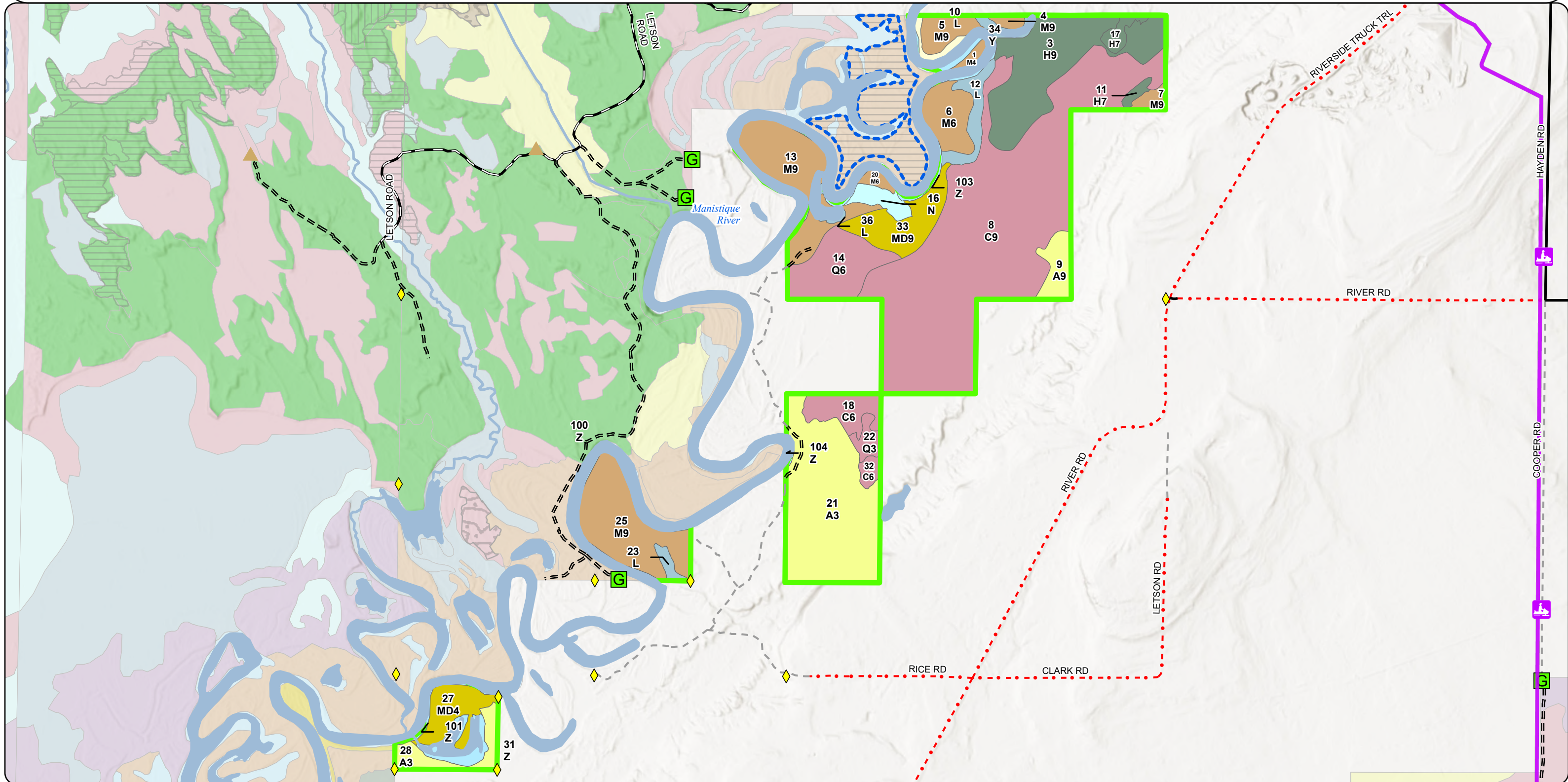
Cover Type & Treatments Map



Compartment: 41069
 T42N, R14W, Sec: 5, 7, 8, 18
 County: Schoolcraft
 Unit: Shingleton
 Mgmt. Area: Seney Lake Plain
 YOE: 2027
 Acres: 508 GIS Calculated
 Examiner: Adam Petrelus
 Date Exported: 02/05/2026
 Map Phase: Post Review

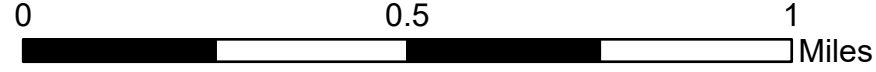
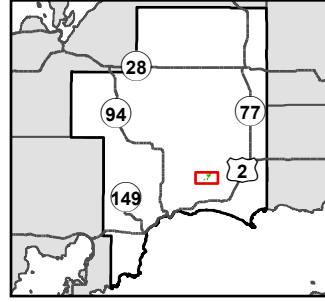


- ◆ Survey Grade Corners
- ▲ Berm
- Ⓜ Gate
- DNR - Primary Forest Road
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- Federal / State / County - Paved Road
- · · County - Gravel Road
- - - Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- ⋯ Treatments with Site Conditions
- 419 - Mixed Upland Decidous
- 423 - Other Upland Conifers
- 500 - Water
- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand, Soil



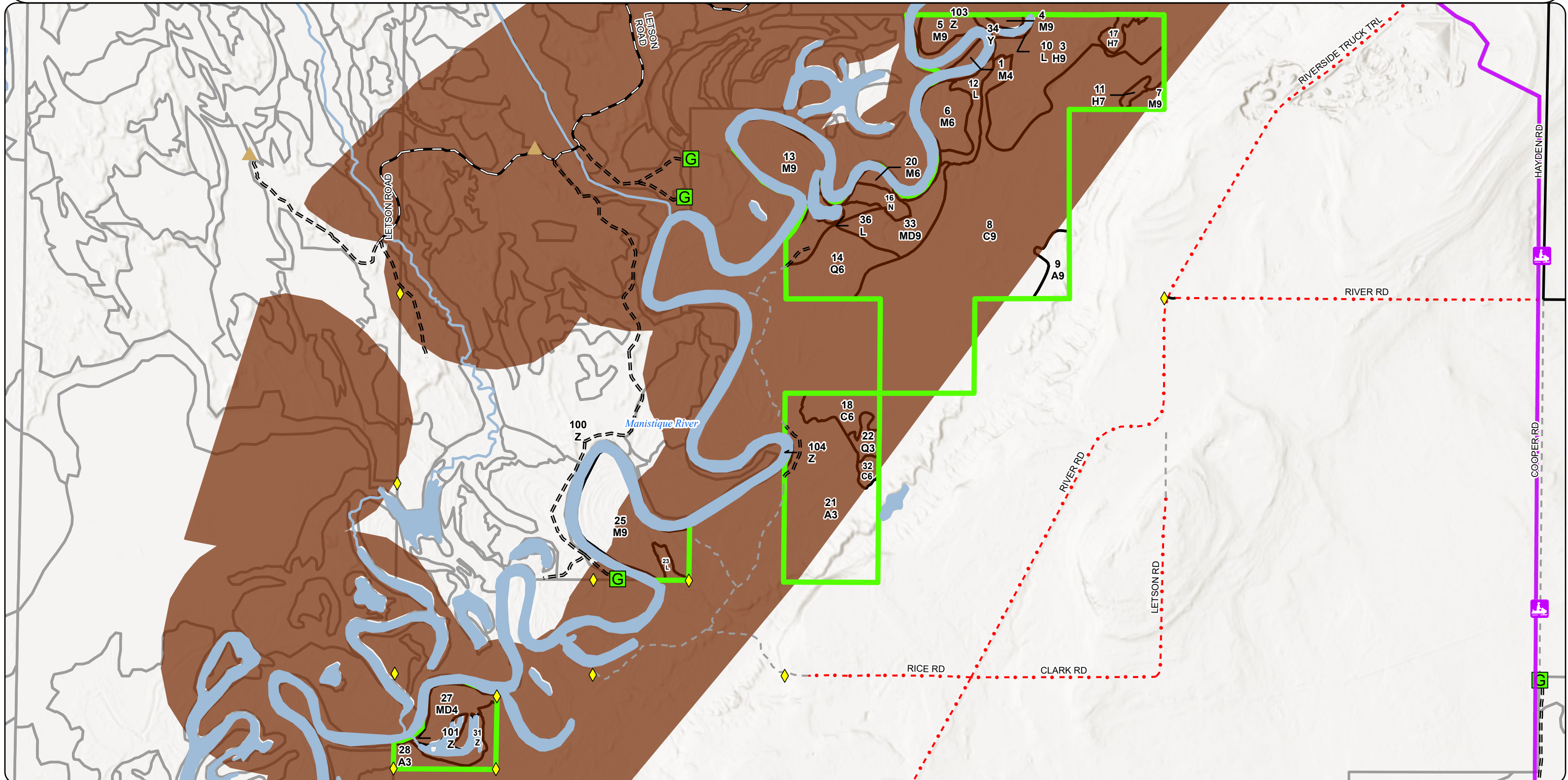
**Special Conservation Areas
& Site Conditions Map**

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- Compartment Boundary
- Stand Boundaries
- Deer Winter Range



Adam Petrelius: Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	9	0	62	0	0	0	8	0	0	0	0	0	0	0	0	0	0	79
Cedar	0	0	0	0	0	0	0	0	0	0	0	178	0	0	0	0	0	0	178
Hemlock	0	0	0	0	0	0	0	0	0	0	44	0	0	0	5	0	0	0	49
Lowland Conifers	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Shrub	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	12	29
Northern Hardwood	0	0	0	0	0	0	0	0	3	0	86	0	0	0	0	0	0	3	91
Sand, Soil	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Total	57	9	0	62	25	0	0	8	3	0	147	178	0	0	5	0	0	15	508

Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 69
Total Compartment Acres: 508

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

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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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Total Treatment
Acreage Proposed: 0

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius: Examiner

Compartment: 69
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions			
		With Condition				2A	2H	3H	3J
79	71	0		8	Aspen		8		
178	0	0		178	Cedar			178	
49	0	0		49	Hemlock			49	
25	4	0		22	Lowland Conifers	22			
15	15	0		0	Lowland Shrub				
5	5	0		0	Marsh				
29	12	0		17	Mixed Upland Deciduous	14			3
91	3	0		88	Northern Hardwood	32	56		
4	4	0		0	Sand, Soil				
33	33	0		0	Water				
508	146			362	Total Forested Acres	68	64	227	3
	29%			71%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	30	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Unable to access stand due to proximity to river, sloughs, oxbows and drainages.							
2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	214	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius: Examiner

Compartment: 69
Year of Entry: 2027

3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Island of timber surrounded by river or old river bed.							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Island of timber surrounded by river or old river bed.							
5	Unavailable	2A: Adjacent landowner denied access	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2A: Adjacent landowner denied access	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius: Examiner

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12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	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
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Comments

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
1	4112 - Maple, Beech, Cherry Association	Poletimber Poor	2.5	71	1-50	N/A																																						
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3	42350 - Upland Hemlock	Sawtimber Well	44.2	98	171-200	N/A																																						
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4	4110 - Sugar Maple Association	Sawtimber Well	1.9	94	111-140	N/A																																						
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9	4136 - Aspen, Mixed Conifer	Sawtimber Well	7.9	67	111-140	N/A	Set up 20 years ago but not harvested.																																					
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11	42350 - Upland Hemlock	Sawtimber Poor	1.6	131	1-50	N/A	Stand was a ridge of white birch which was cut in 2010. A residual canopy of 50 sqft of hemlock now classifies the stand as an H7. Birch and aspen have regenerated in the understory.																																					
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14	6123 - Lowland Fir	Poletimber Well	21.6	31	51-80	N/A	Sand falling apart with thick fir regeneration and some areas with very nice red maple regen 30-40 feet tall. Allow overstory to fall and let regen grow. Due to the location and low stocking of this stand, the difficulty for access and damage to the existing regen, it would not be worth trying to salvage the overstory.																																					
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16	6239 - Mixed Emergent Wetland	None	5.1			No	.Soil-490B Pelkie-Moquah-Arnhiem Complex																																					

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25	4110 - Sugar Maple Association	Sawtimber Well	32.3	94	111-140	N/A																																						
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33	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	16.7	91	51-80	N/A	OPIC - FMD: SCA-POG-Stand is bieng proposed as potential old growth to fit into the Manistique River corridor stands that were previously proposed as POG in 1997. SCA-Deeryard Stand has had some cutting in early 60's. About 2 acre area in north central part of stand is solid W9 of very nice white pine. Aspen is very large and scattered. Very thick fir regen in understory. SI for fir is 43. Old growth. Soils-491D Clemons-Deford Deep ditches with narrow creeks dissect stand. Allow understory of advanced regen to become stand. SCA-POG removal, does not meet criteria.																																									
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34	710 - Sand, Soil	None	3.5			No	Soil-490B Pelkie-Moquah-Arnhiem Complex																																									
36	6229 - Mixed Lowland Shrub	None	2.3			No																																										
100	500 - Water	None	6.4			No	Manistique River																																									
101	500 - Water	None	2.7			No																																										

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
103	500 - Water	None	15.3			No	Manistique River
104	500 - Water	None	0.6			No	Manistique River