



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41069

Entry Year 2027

Acreage: 509

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 Cabothead Shale subcrops below the glacial drift. The Cabothead 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: 509 GIS Calculated
Examiner: Adam Petrelus
Date Exported: 07/30/2025
Map Phase: Web Post

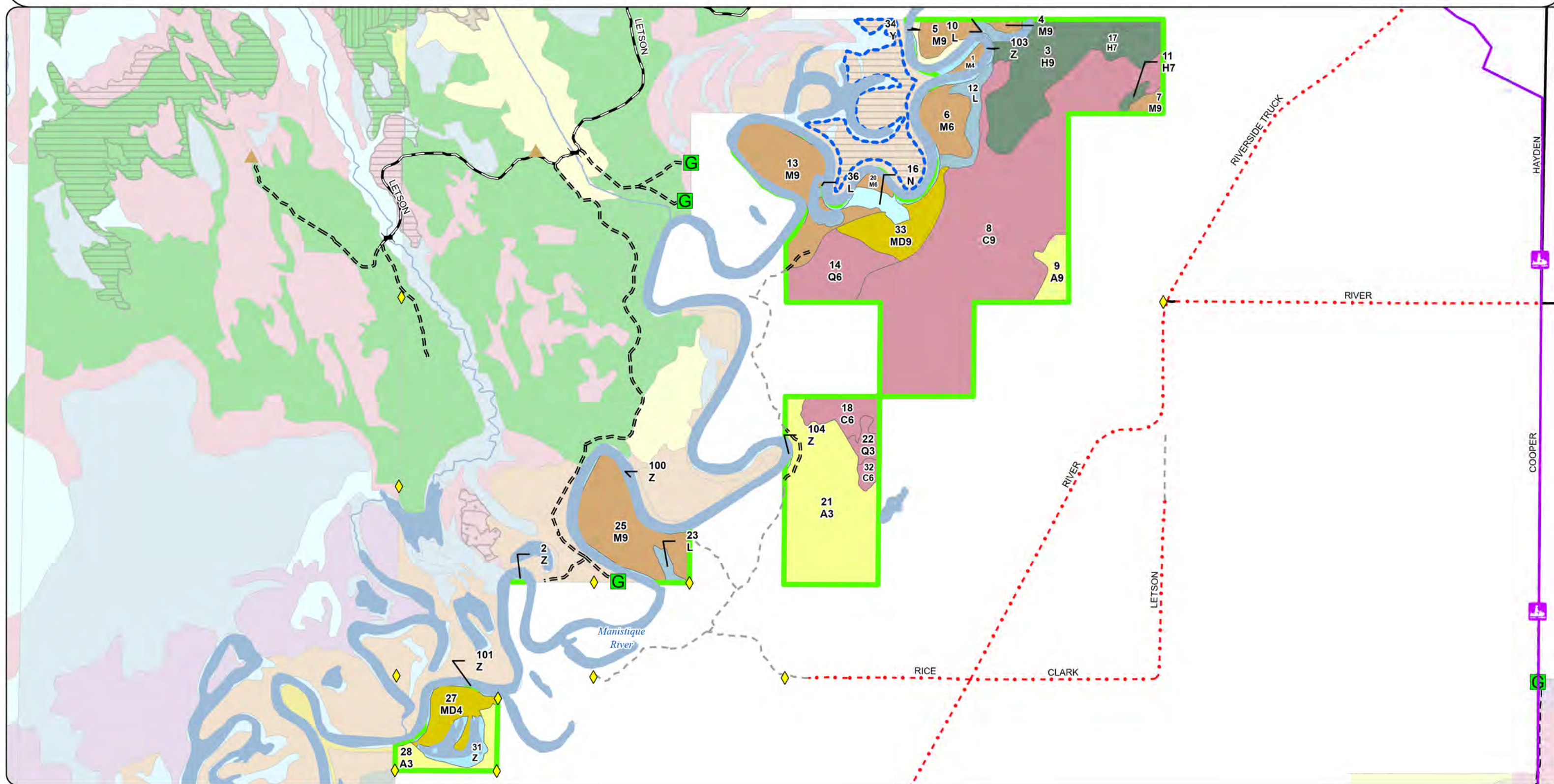
0 0.5 1 Miles

- ◆ Survey Grade Corners
- ▲ Berms
- Gate
- ✕ Bridges
- Designated Snowmobile Trails
- DNR - Primary Forest Road

- === DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- Perennial River
- Lakes and Rivers

- Counties
- Compartment Boundary
- Treatments with Site Conditions
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous

- 423 - Other Upland Conifers
- 500 - Water
- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand, Soil



Stand Boundary Map



Compartment: 41069
T42N, R14W, Sec: 5, 7, 8, 18
County: Schoolcraft
Unit: Shingleton
Mgmt. Area: Seney Lake Plain
YOE: 2027
Acres: 509 GIS Calculated
Examiner: Adam Petrelius
Date Exported: 07/30/2025
Map Phase: Web Post

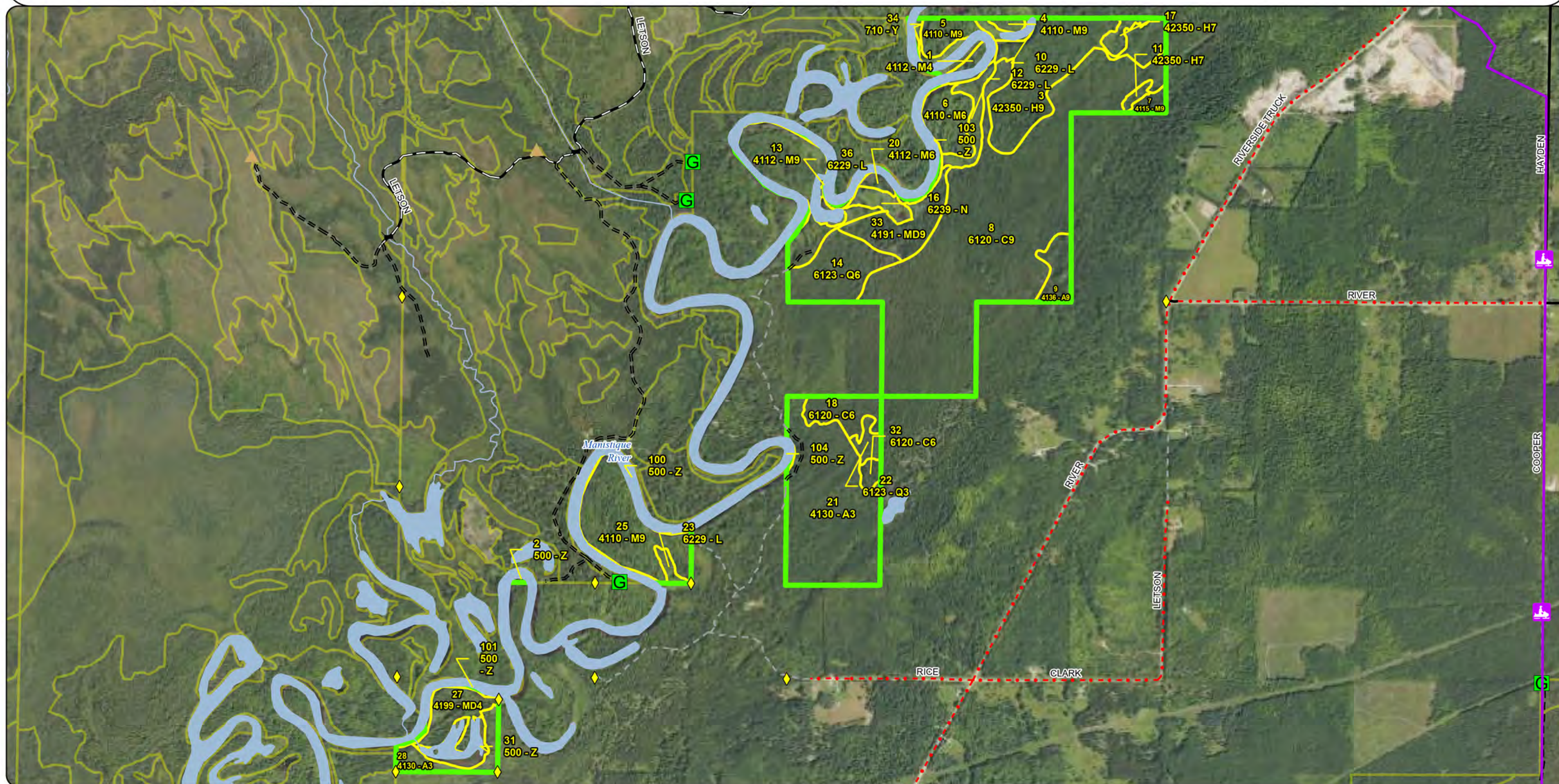
0 0.5 1 Miles

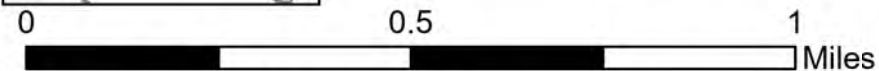
- Survey Grade Corners
- Berms
- Gate
- Bridges
- Designated Snowmobile Trails

- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Perennial River

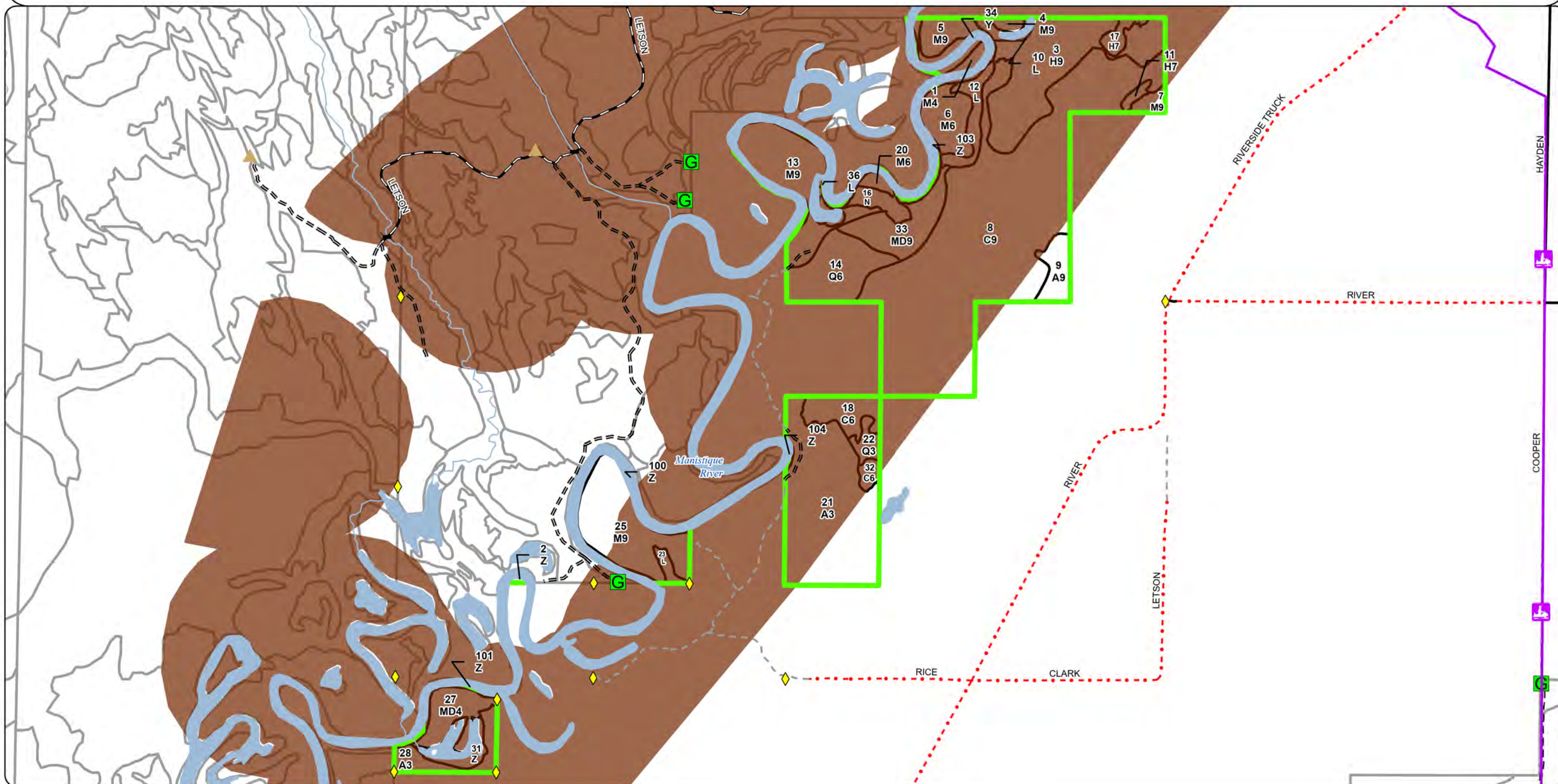
- Lakes and Rivers
- Counties
- Compartment Boundary
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous

- 423 - Other Upland Conifers
- 500 - Water
- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand, Soil





- | | | | | | |
|---|------------------------------|---|---------------------------------------|---|----------------------|
|  | Survey Grade Corners |  | DNR - Primary Forest Road |  | Lakes and Rivers |
|  | Berms |  | DNR - Forest Access Route |  | Counties |
|  | Gate |  | Federal / State / County - Paved Road |  | Compartment Boundary |
|  | Bridges |  | County - Gravel Road |  | Stand Boundaries |
|  | Designated Snowmobile Trails |  | Private - Dirt / Gravel Road |  | Deer Winter Range |
| | |  | Perennial River | | |



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	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	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Total	58	9	0	62	25	0	0	8	3	0	147	178	0	0	5	0	0	15	509



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 69
Total Compartment Acres: 509

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

S t a n d	Mgt. Unit		Report 3 -- Treatments					Compartment: 41069			
								Year of Entry: 2027			
	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

Total Treatment
 Acreage Proposed: 0



Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

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				
34	34	0	0	Water				
509	147		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



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
Comments				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
8	6120 - Lowland Cedar	Sawtimber Well	165.3	102	171-200	N/A																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Black Spruce</td><td>10</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Northern White Cedar</td><td>80</td><td></td><td>10</td><td>102</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Seedling	8		Paper Birch	5	Seedling	9		Black Spruce	10	Seedling	7		Northern White Cedar	80		10	102	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet					
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Maple	5	Seedling	8																																									
Paper Birch	5	Seedling	9																																									
Black Spruce	10	Seedling	7																																									
Northern White Cedar	80		10	102																																								
Sub-Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																									
9	4136 - Aspen, Mixed Conifer	Sawtimber Well	7.9	66	111-140	N/A	Set up 20 years ago but not harvested.																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Paper Birch</td><td>35</td><td></td><td>10</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td></td><td>12</td><td>66</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Seedling	6		Black Spruce	5	Seedling	8		Northern White Cedar	10	Seedling	9		Paper Birch	35		10		Bigtooth Aspen	40		12	66	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																								
Balsam Fir	10	Seedling	6																																									
Black Spruce	5	Seedling	8																																									
Northern White Cedar	10	Seedling	9																																									
Paper Birch	35		10																																									
Bigtooth Aspen	40		12	66																																								
Sub-Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	High	5 - 10 feet	5 - 10 feet																																									
10	6229 - Mixed Lowland Shrub	None	3.0			No	.Soil-490B Pelkie-Moquah-Arnhiem Complex																																					
11	42350 - Upland Hemlock	Sawtimber Poor	1.6	130	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.																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Hemlock</td><td>100</td><td></td><td>16</td><td>130</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	100		16	130	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Paper Birch</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Medium	5 - 10 feet	5 - 10 feet	Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet																
Canopy Species	% Cover	Size Class	DBH	Age																																								
Hemlock	100		16	130																																								
Sub-Canopy Species	Density	Avg. Height	Size																																									
Paper Birch	Medium	5 - 10 feet	5 - 10 feet																																									
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet																																									
12	6229 - Mixed Lowland Shrub	None	7.3			No	.Soil-490B Pelkie-Moquah-Arnhiem Complex																																					
13	4112 - Maple, Beech, Cherry Association	Sawtimber Well	29.6	93	111-140	N/A	Sawlogs cut out in 1972. Soil-490B Pelkie-Moquah-Arnhiem Complex																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bur Oak</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Basswood</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Yellow Birch</td><td>10</td><td></td><td>14</td><td></td></tr><tr><td>Sugar Maple</td><td>60</td><td></td><td>14</td><td>93</td></tr><tr><td>Red Maple</td><td>20</td><td></td><td>12</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Bur Oak	5		12		Basswood	5		14		Yellow Birch	10		14		Sugar Maple	60		14	93	Red Maple	20		12		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	< 5 feet	< 5 feet
Canopy Species	% Cover	Size Class	DBH	Age																																								
Bur Oak	5		12																																									
Basswood	5		14																																									
Yellow Birch	10		14																																									
Sugar Maple	60		14	93																																								
Red Maple	20		12																																									
Sub-Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Medium	< 5 feet	< 5 feet																																									
14	6123 - Lowland Fir	Poletimber Well	21.6	30	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.																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td>Log</td><td>4</td><td></td></tr><tr><td>Balsam Fir</td><td>55</td><td>Pole</td><td>4</td><td>30</td></tr><tr><td>Black Spruce</td><td>30</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Seedling</td><td>9</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Log	4		Balsam Fir	55	Pole	4	30	Black Spruce	30	Sapling	6		Northern White Cedar	10	Seedling	9																		
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Maple	5	Log	4																																									
Balsam Fir	55	Pole	4	30																																								
Black Spruce	30	Sapling	6																																									
Northern White Cedar	10	Seedling	9																																									
16	6239 - Mixed Emergent Wetland	None	5.1			No	.Soil-490B Pelkie-Moquah-Arnhiem Complex																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
17	42350 - Upland Hemlock	Sawtimber Poor	3.3	130	1-50	N/A	[4/12/07 BB] Stand is now on proposal 13-07, "Comp 69 Sale". Residual Basal Areas = 10 sq ft of white pine, 5 sq ft of red pine, 19 sq ft of hemlock, 7 sq ft of cedar. Actual sale acres for stand is 4.[1/25/2010 bb] Sale is now closed, cut December 2009			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		5		14		Red Maple		Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		5	Seedling	6		Balsam Fir		Medium	< 5 feet	< 5 feet
Hemlock		70		16	130					
White Pine		20		16						
18	6120 - Lowland Cedar	Poletimber Well	10.5	102	Unspecified	N/A	Soil-36 Carbondale-Lupton-Tawas Mucks			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		10	Seedling	5		Balsam Fir		Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		80	Seedling	9	102					
Red Maple		5	Seedling	8						
Paper Birch		5	Seedling	9						
20	4112 - Maple, Beech, Cherry Association	Poletimber Well	2.1	93	111-140	N/A	Sawlogs cut out in 1972. Soil-490B Pelkie-Moquah-Arnhiem Complex			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Yellow Birch		10		14		Balsam Fir		Medium	< 5 feet	< 5 feet
Sugar Maple		60		9	93					
Red Maple		30	Seedling	8						
21	4130 - Aspen	Sapling Well	62.1	23	Immature	N/A	OPIC - FMD: SCA-Deeryard Sale was cut in December 2001-January 2002 (Burried Cable Sale 41-49-97-01).			
Canopy Species		% Cover	Size Class	DBH	Age					
Balsam Fir		10	Log	2						
Quaking Aspen		90	Pole	4	23					
22	6123 - Lowland Fir	Sapling Well	3.7	36	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age					
Balsam Fir		70	Log	3	36					
Black Spruce		20	Log	3						
Northern White Cedar		10	Log	3						
23	6229 - Mixed Lowland Shrub	None	2.1			No	SCA-DeeryardSoil-490B Pelkie-Moquah-Arnhiem Complex			
25	4110 - Sugar Maple Association	Sawtimber Well	32.3	93	111-140	N/A	OPIC - FMD: SCA-POG-Stand was proposed as potential old growth as the Manistique River corridor in 1997.SCA-Deeryard Soil-490B Pelkie-Moquah-Arnhiem ComplexSCA-POG removal, does not meet criteria.East 4 acres of stand is red maple/white birch mix with a heavy fir understory. Rest of stand is nice hard maple with no understory or regen. Stand received a 16 inch diameter limit cut in 1954.Tried multiple times to harvest stand, however access issues.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		5		14		Balsam Fir		Low	10 - 20 feet	10 - 20 feet
White Ash		5		12						
Sugar Maple		85		9	93					
Red Maple		3		8						
Paper Birch		2	Seedling	8						



</



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