

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41184

Entry Year: 2027

Acreage: 833

County: Alger

Management Area: Grand Marais Moraine Complex

Stand Examiner: Matt Manders

Legal Description:

T46N R17W Sections 4-6

Identified Planning Goals:

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

Soil and topography:

The topography in this compartment is flat to rolling with low areas. The main soils in the compartment are; Escanaba-Greylock Complex with good drainage and fair to good natural fertility, Munising Loam with good drainage and moderate natural fertility and Carbondale Peat with fair drainage and fair to good natural fertility. The entire compartment lies within the Munising Moraine Land Type Association.

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

The area has broken ownership of State and private properties. Section 6 is separated from the main part of the compartment by private ownership and H-15.

Unique Natural Features:

Currently under review by Michigan Natural Features Inventory (MNFI).

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

The SE1/4NW1/4 of section 6, the SE1/4 of section 5 and the bottom part of the SW1/4 in section 4 are designated as deer yard areas. Treatments that will be conducted around any water areas and lowland conifers will follow all BMP regulations and those concerns addressed from other divisions.

Watershed and Fisheries Considerations:

No comments from Fisheries.

Wildlife Habitat Considerations:

This compartment lies five miles north of Shingleton and sits on the northern edge of the Petrel Deer Yard. General Land Office survey notes indicate sugar maple, yellow birch, hemlock, balsam fir, and elm dominated the uplands during pre-settlement times. Ironwood, beech and red maple were recorded as minor components of the forest. Lowlands contained a mix of cedar, spruce, tamarack, and a minor component of elm, red maple, and black ash. Although all the species recorded in the original survey still occur, sugar maple appears to be more dominant in today's upland than circa 1850. Black cherry also appears to be more prevalent than in pre-settlement times. Lowland conifer stands appear to be fairly similar to those recorded by GLO surveyors. The cedar and swamp conifer stands (17, 18, 19, and 21) are part of a larger systematic management plan for the Petrel Deer Yard. They will be held back from treatment until dictated by that plan. Featured species in this compartment are American marten, moose, bear, gray jay, northern goshawk, ruffed grouse, and white-tailed deer. The wildlife habitat objectives for the northern hardwoods consist of enhancing the species and structural diversity between and within stands.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of end moraine of medium-textured till and peat and muck. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Prairie du Chien (PdC) Formation subcrops below the glacial drift. The PdC could be used for stone. The nearest gravel pit is three miles to the south and there should be good potential. There is no commercial oil and gas production in the UP.

Vehicle Access:

Access to the compartment is good with use of H-15 and H-58. There is also a good forest road system through out the compartment from past timber activities.

Survey Needs:

None.

Recreational Facilities and Opportunities:

This compartment is used regularly by hunters. There is also a good amount of traffic on the two main roads. There is fishing potential in the Humphrey Ponds. Snowmobile trail #8 goes through the compartment in section 5 and 4. This is the only trail out of Shingleton for access to the north.

Fire Protection:

Fire response to the area will be good. The Shingleton station is about 4 miles from the compartment via H-15. The current road system is good enough for fire operations; however the timber types present are not of high fire potential. Urban interface problems could occur with those homes or cabins around the compartment, however the majority of the timber is northern hardwoods.

Additional Compartment Information:

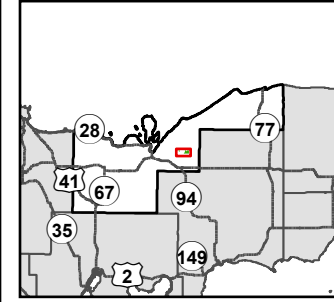
The following reports from the Inventory are attached:

- 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**

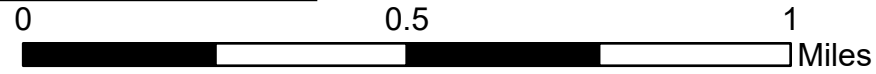
The following information is displayed, where pertinent, on the attached compartment maps:

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

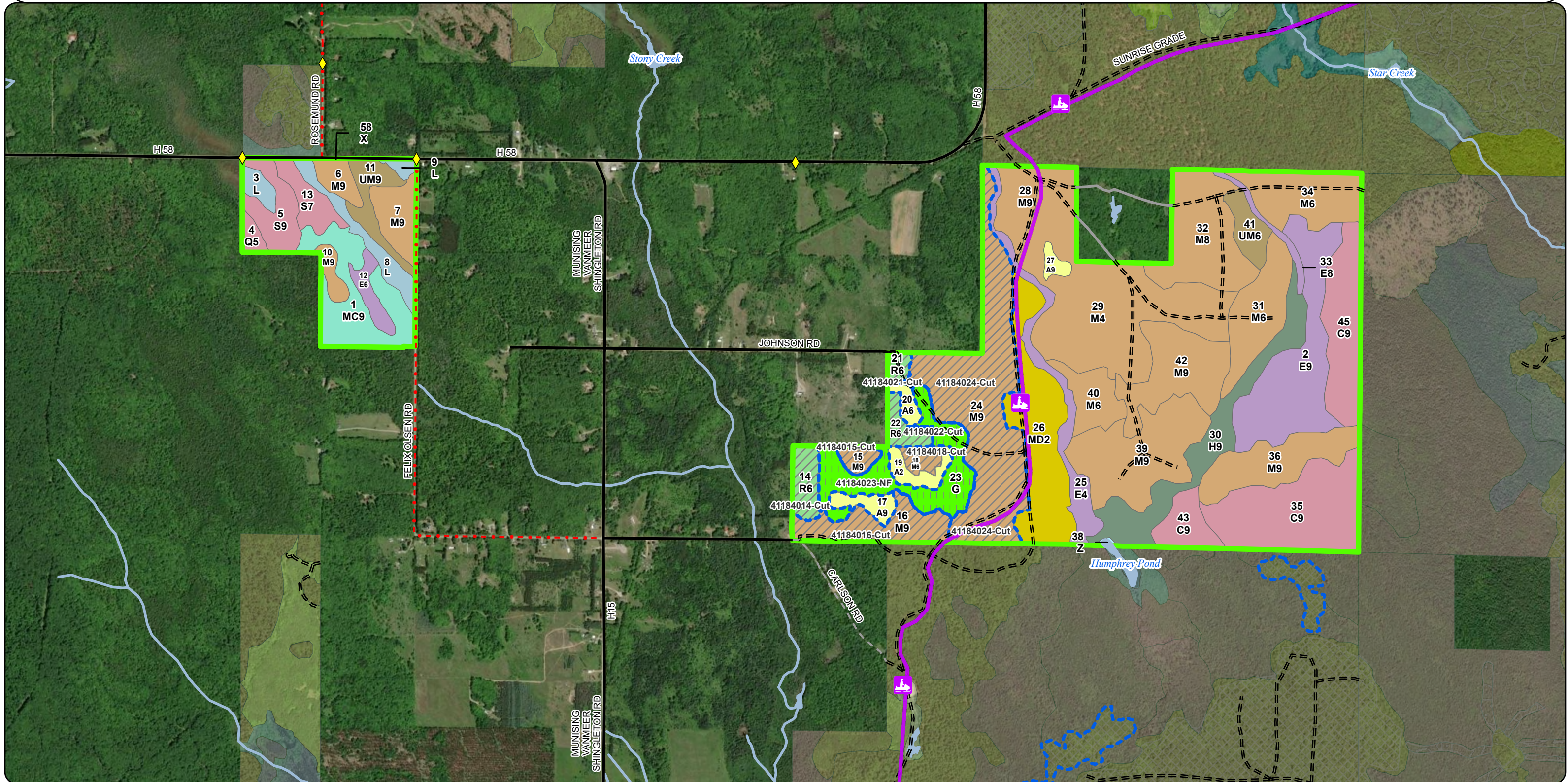
Cover Type & Treatments Map



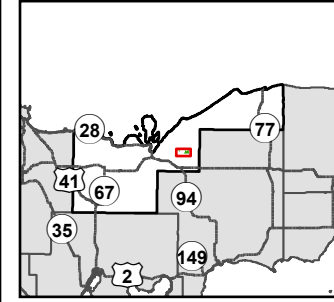
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 T46N, R17W, Sec: 4-6
 County: Alger
 Unit: Shingleton
 Mgmt. Area: Grand Marais Moraine Complex
 YOE: 2027
 Acres: 833 GIS Calculated
 Examiner: Matt Manders
 Date Exported: 2/5/2026
 Map Phase: Post Review



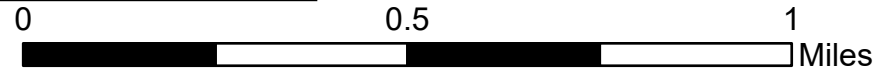
- Survey Grade Corners
- Lakes and Rivers
- 419 - Mixed Upland Deciduous
- 612 - Lowland Coniferous Forest
- DNR - Forest Access Route
- Compartment Boundary
- 421 - Planted Pines
- 211 - Cropland
- Federal / State / County - Paved Road
- Thinning
- 423 - Other Upland Conifers
- 122 - Road/Parking Lot
- County - Gravel Road
- Openings Mgmt.
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- Private - Paved Road
- Treatments with Site Conditions
- 500 - Water
- Private - Dirt / Gravel Road
- 411 - Northern Hardwood
- 611 - Lowland Deciduous Forest
- Streams
- 413 - Aspen



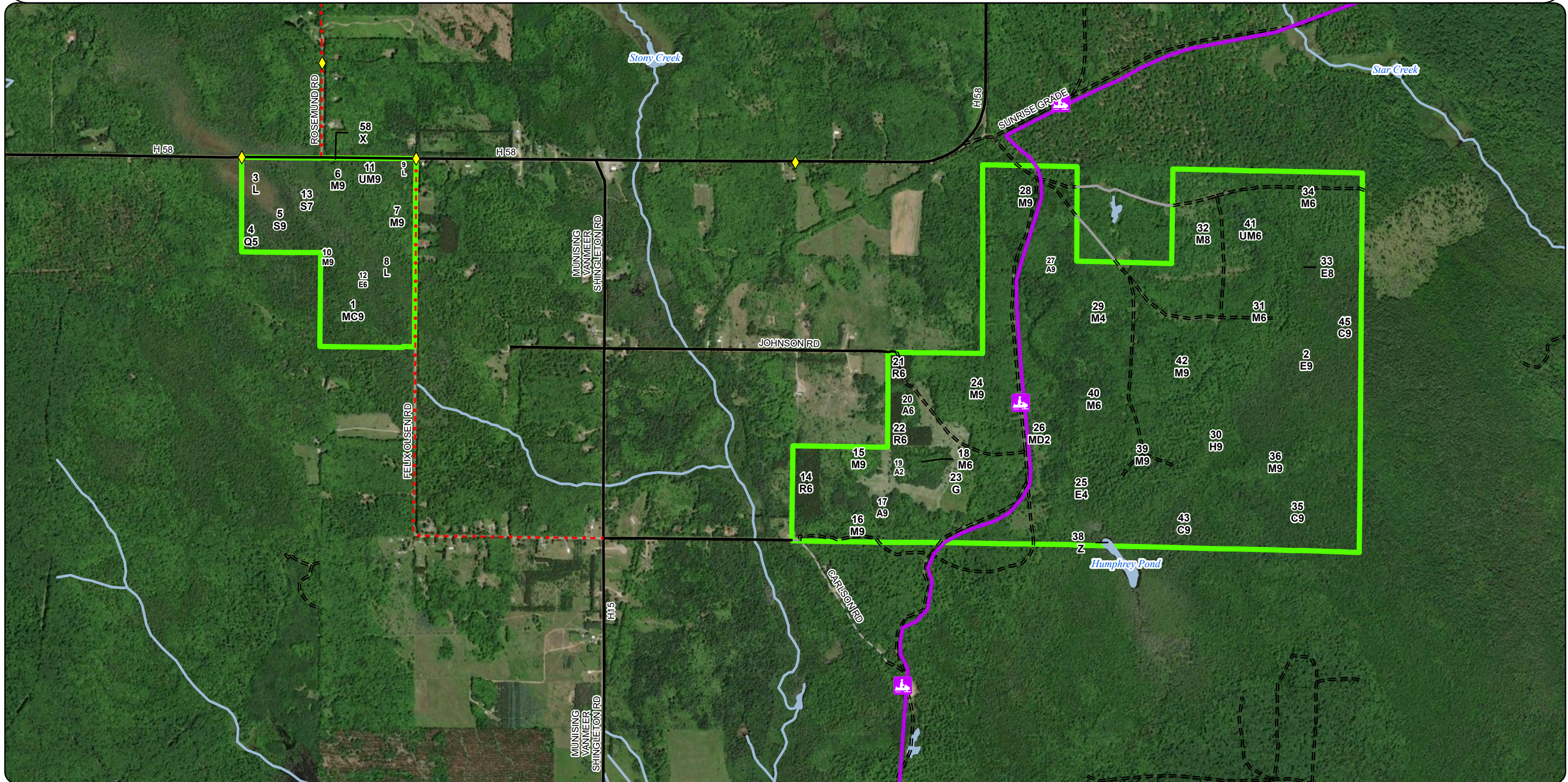
Special Conservation Areas & Site Conditions Map



Compartment: 41184
 T46N, R17W, Sec: 4-6
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- ◆ Survey Grade Corners
- Private - Dirt / Gravel Road
- Cold Water Streams
- = = = DNR - Forest Access Route
- Streams
- High Priority Trout Stream Buffer
- Federal / State / County - Paved Road
- Lakes and Rivers
- Deer Winter Range
- . - . County - Gravel Road
- Compartment Boundary
- Stand Boundaries
- Private - Paved Road



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	0	0	12	6	0	0	0	0	0	0	0	0	0	0	0	0	18
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	89
Cropland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35
Lowland Conifers	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Lowland Deciduous	0	0	0	0	6	0	49	0	20	0	0	0	0	0	0	0	0	4	79
Lowland Shrub	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
Mixed Upland Deciduous	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Northern Hardwood	0	0	0	0	0	0	0	4	12	0	0	0	0	0	0	0	0	411	427
Red Pine	0	0	0	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0	18
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	50	0	0	0	70	15	49	4	32	0	3	0	0	0	0	0	0	611	833

Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 184
Total Compartment Acres: 833

Commercial Harvest - 6
Harvests with Site Condition - 222
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood	0	0	0	0	0	106	0	0	0	106
Red Pine	0	0	0	0	0	18	0	0	0	18
Total	0	0	0	0	0	124	0	0	0	124

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	124	0	0	0	0	0	0	0	31	154
Next Step	0	0	0	0	0	0	106	0	31	137
Total	124	0	0	0	0	0	106	0	62	291

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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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Approved Treatments:

14	41184014-Cut	8.6	42110 - Planted Red Pine	6	38	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
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Prescription Remove 1/3 of the the BA by cutting every 3rd row.Specs:Next StepTreatments:AcceptableRegen:OtherComment:Site Condition: Survey NeededProposed Start Date: 10/01/2026

15	41184015-Cut	4.0	4112 - Maple, Beech, Cherry Association	9	91	51-80	Harvest	Thinning	411 - Northern Hardwood	Current	No
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Prescription Mark current overstory to release advanced regen. Basal area is variable but mark to an average of 60-80. Cut all Merchantable Balsam fir and Spruce.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable any northern hardwood speciesRegen:OtherComment:Site Condition: Survey NeededProposed Start Date: 10/01/2026

16	41184016-Cut	20.3	4110 - Sugar Maple Association	9	91	51-80	Harvest	Thinning	411 - Northern Hardwood	Current	No
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Prescription Mark current overstory to release advanced regen. Basal area is variable but mark to an average of 60-80. Cut all Merchantable Balsam fir and Spruce.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable any northern hardwood speciesRegen:OtherComment:Site Condition: Survey NeededProposed Start Date: 10/01/2026

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
18	41184018-Cut	3.1	4110 - Sugar Maple Association	6	81	51-80	Harvest	Thinning	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark current overstory to release advanced regen. Basal area is variable but mark to an average of 60-80. Cut all Merchantable Balsam fir and Spruce.</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</u> any northern hardwood species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
21	41184021-Cut	3.0	42110 - Planted Red Pine	6	48	81-110	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Remove 1/3 of the BA by cutting every 3rd row.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
22	41184022-Cut	6.2	42110 - Planted Red Pine	6	48	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Remove 1/3 of the BA by cutting every 3rd row.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
23	41184023-NF	30.8	2113 - Forage Crops	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<p><u>Prescription</u> Prescribed fire, farming (dozing, disking, raking, seeding, (native or naturalized species only), fertilizing, and liming), chainsaw removal of competing trees and establishment of native hard and soft mast producers such as red oak, mountain ash or other</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> W41-1505</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/01/2016</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
24 41184024-Cut	78.4	4110 - Sugar Maple Association	9	91	81-110	Harvest	Thinning	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark current overstory to release advanced regen. Basal area is variable but mark to an average of 60-80. Cut all Merchantable Balsam fir and Spruce. Sale should contain snowmobile protection specification.</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</u> any northern hardwood species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

Total Treatment Acreage Proposed: **154.4**

Report 4 – Site Conditions

Shingleton Mgt. Unit
Matt Manders: Examiner

Compartment: 184
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2I	2G	3H	3J
18	18	0	0	Aspen				
89	0	0	89	Cedar			89	
31	0	31	0	Cropland	31			
35	0	0	35	Hemlock			35	
3	3	0	0	Lowland Conifers				
78	6	0	72	Lowland Deciduous			49	24
17	17	0	0	Lowland Shrub				
23	9	0	14	Lowland Spruce/Fir		14		
43	43	0	0	Mixed Upland Deciduous				
410	299	103	9	Northern Hardwood	103	9		
18	0	18	0	Red Pine	18			
30	30	0	0	Upland Conifers				
19	9	0	11	Upland Mixed Forest				11
1	1	0	0	Urban				
0	1	0	0	Water				
816	436	151	228	Total Forested Acres	151	22	172	34
	53%	19%	28%	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	2G: Too wet (sensitive soils, does not include access issues)	14	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Site has been flooded by drainage from road. Many of the spruce trees have died.							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
 Matt Manders: Examiner

Compartment: 184
 Year of Entry: 2027

3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	172	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	2I: Survey needed	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2I: Survey needed	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Matt Manders: Examiner

Compartment: 184
Year of Entry: 2027

10	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	2I: Survey needed	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2I: Survey needed	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2I: Survey needed	20	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	429 - Mixed Upland Conifers	Sawtimber Well	29.6	91	81-110	N/A	Mixed Red maple stand with many hemlock and white pine. Transition between wet areas and upland.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>30</td> <td>Log</td> <td>13</td> <td>91</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>XLog</td> <td>18</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>XLog</td> <td>18</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Log	13	91	Paper Birch	5	Pole	9		Balsam Fir	15	Pole	9		Northern White Cedar	10	Pole	9		White Pine	25	XLog	18		Hemlock	15	XLog	18		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	< 5 feet	< 5 feet	Balsam Fir	Medium	< 5 feet	< 5 feet
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2	6118 - Lowland Deciduous with Cedar	Sawtimber Well	48.6	51	51-80	N/A	Lowland mixed stand with cedar and an array of deciduous trees. Stand is large in size and many drainages run through.																																											
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3	6221 - Fen	None	4.2			No	Fen with scattered tamarack.																																											
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4	6124 - Lowland Spruce-Fir	Poletimber Medium	3.2	93	81-110	N/A	Black spruce stand. Boggy soil with mixed conifers among spruce. BMP issues if stand was entered.																																											
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5	6122 - Black Spruce	Sawtimber Well	13.5	93	51-80	N/A	Black spruce stand that is very wet and boggy. Spruce is almost submerged in water lots of snags due to flooding.																																											
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8	6220 - Alder/Willow	None	10.6			No	Drainage of Tag alder, very wet.																																													
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10	4119 - Mixed Northern Hardwoods	Sawtimber Well	4.3	61	51-80	N/A	Red maple stand that is poor quality on wetter soils.																																													
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11	4319 - Mixed Upland Forest	Sawtimber Well	10.8	76	51-80	N/A	Mixed upland stand, poor quality hardwood with mixed conifer. Wet areas intermixed. BA 60-80.																																													
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12	6113 - Lowland Maple	Poletimber Well	6.1	31	1-50	N/A	Wet cedar with Red maple saplings growing thick. A drainage/ditch runs along the west edge of the stand.																																													
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13	6122 - Black Spruce	Sawtimber Poor	9.4	93	1-50	N/A	Wet spruce bog, flooded to the point where most trees are already dead. Mostly snags.																																													
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14	42110 - Planted Red Pine	Poletimber Well	8.6	38	111-140	N/A	Red pine plantation. Stand looks healthy.																																													
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17	4130 - Aspen	Sawtimber Well	5.4	38	1-50	N/A	Stand was clear-cut in 1987. Stand is coming back nicely to Aspen.																																
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19	4139 - Aspen, Mixed Deciduous	Sapling Medium	7.0	31	Immature	N/A	Hummocky stand of pin cherry along the edge opening. Some areas are fairly open.																																
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Quaking Aspen	45	Sapling	3	31																																			
Balsam Fir	10	Log/Pole	10																																				
Black Ash	20	Sapling	4																																				
20	4130 - Aspen	Poletimber Well	3.4	41	81-110	N/A	Small Aspen stand with some mixed deciduous trees.																																
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21	42110 - Planted Red Pine	Poletimber Well	3.0	48	81-110	N/A	Red pine plantation. Healthy and looking good.																																
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22	42110 - Planted Red Pine	Poletimber Well	6.2	48	111-140	N/A	Red pine plantation. Stand looks good and healthy.																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
23	2113 - Forage Crops	None	30.8			Yes	Maintained opening by wildlife. Site is farmed and surrounded by trees and scattered within opening. W41-1505-Stand Treatments "Johnson Rd": *Stand cleared and farmed, 2012. * Perimeter of opening was planted with Red Oak/Apple saplings, May 2016. *Re-farmed, planted clover/rye, 2018. *Re-farmed (eastern portion only due to knapweed in west half), planted clover/rye, 2022. *Mowed 2015, 2016, 2017, 2019, 2020, 2021.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Apple (spp.)	Low	5 - 10 feet	5 - 10 feet	
								Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet	
								Pin Cherry	Medium	5 - 10 feet	5 - 10 feet	
24	4110 - Sugar Maple Association	Sawtimber Well	78.4	91	81-110	N/A	Timber sale 011-00. Cut in 04. Nice hardwood stand, residual trees are larger in size. Stand itself is boarder line ready to cut again. I suggest waiting another rotation so BA can reach 120.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	90	Log	14	91
								Black Cherry	10	Log	12	
								Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple	High	< 5 feet	< 5 feet									
25	6113 - Lowland Maple	Poletimber Poor	19.5	71	51-80	N/A	Drainage, seasonally wet.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	80	Pole	8	71
								Basswood	10	Pole	8	
								Black Cherry	10	Pole	8	
Sub-Canopy Species	Density	Avg. Height	Size									
Tag Alder	High	5 - 10 feet	5 - 10 feet									
26	4199 - Other Mixed Upland Deciduous	Sapling Medium	43.3	31	Immature	N/A	Semi-open stand with shrubby trees, grass in open areas.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	10	Sapling	3	
								Quaking Aspen	30	Sapling	3	
								Pin Cherry	60	Sapling	3	31
27	4130 - Aspen	Sawtimber Well	2.6	41	111-140	N/A	Aspen stand young in age.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	30	Pole	6	
								Quaking Aspen	70	Log	10	41
								28	4110 - Sugar Maple Association	Sawtimber Well	15.6	81
Canopy Species	% Cover	Size Class	DBH	Age								
Sugar Maple	80	Log/Pole	10	81								
Quaking Aspen	10	Pole	9									
Black Cherry	10	Pole/Log	9									
Sub-Canopy Species	Density	Avg. Height	Size									
Sugar Maple	High	< 5 feet	< 5 feet									
29	4110 - Sugar Maple Association	Poletimber Poor	84.0	51	81-110	N/A	Younger stand of sugar maple with higher BA.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	80	Pole	6	51
								Quaking Aspen	5	Pole	6	
								Black Cherry	15	Pole	6	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	42350 - Upland Hemlock	Sawtimber Well	34.6	98	111-140	N/A	Hemlock stand with low areas, a transition to lowland.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	XLog/Log	20			
Balsam Fir		10	Log	10			
Black Spruce		5	Log	10			
Hemlock		75	XLog/Log	20	98		
31	4112 - Maple, Beech, Cherry Association	Poletimber Well	24.2	71	81-110	N/A	Pole stand of Red maple/Sugar maple and Black cherry.
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		45	Pole	8	71		
Red Maple		20	Pole	8			
Balsam Fir		5		8			
Black Cherry		30	Pole	8	71		
Sub-Canopy Species		Density	Avg. Height	Size			
Sugar Maple		Low	< 5 feet	< 5 feet			
32	4110 - Sugar Maple Association	Sawtimber Medium	36.8	66	51-80	N/A	Patchy trees with scattered openings. Cut in the 60's and has taken a while to fill in the openings.
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		60	Log	10	66		
Quaking Aspen		10	Pole	7			
Black Spruce		10	Pole	7			
Black Cherry		20	Pole	7	38		
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Medium	< 5 feet	< 5 feet			
Black Cherry		Medium	< 5 feet	< 5 feet			
33	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	4.1	91	51-80	N/A	Wet soil all year long from natural drainage. Very poor quality timber.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		45	Pole	8	91		
Balsam Fir		20	Pole	8			
Black Ash		35	Pole	7			
Sub-Canopy Species		Density	Avg. Height	Size			
Tag Alder		Medium	< 5 feet	< 5 feet			
34	4110 - Sugar Maple Association	Poletimber Well	25.7	91	51-80	N/A	Cherry stand with mixed maple poles.
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		50	Log	10	91		
Red Maple		20	Pole	8			
Black Cherry		30	Pole	8	71		
Sub-Canopy Species		Density	Avg. Height	Size			
Sugar Maple		Medium	< 5 feet	< 5 feet			
Red Maple		Medium	< 5 feet	< 5 feet			
35	6120 - Lowland Cedar	Sawtimber Well	48.5	98	81-110	N/A	Lowland with upland, cedar is of poor quality.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		25	XLog/Log	18			
Balsam Fir		5	Pole/Sapling	6			
Black Spruce		5	Log	10			
Northern White Cedar		50	Pole	9	98		
Hemlock		5	XLog/Log	18			
Black Ash		10	Pole	6			

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36	4112 - Maple, Beech, Cherry Association	Sawtimber Well	26.3	101	81-110	N/A	There are drainages running throughout stand. TS: 41-003-17																																																						
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38	500 - Water	None	0.5			No	North edge of Humphrey Pond.																																																						
39	4112 - Maple, Beech, Cherry Association	Sawtimber Well	42.7	81	51-80	N/A	Stand was cut in 2003 (26-98) Ba is between 70 - 90 BA. Regen is coming in good within the gaps made by harvest.																																																						
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40	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	13.1	38	81-110	N/A	Young stand of residual from past cuts. Some clones of aspen mostly maple and cherry.																																																						
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41	4319 - Mixed Upland Forest	Poletimber Well	8.6	61	51-80	N/A	Mostly a Cherry stand, poles dominate with mixed maple. Oaks planted on northern edge of stand in 09.																																																						
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42	4110 - Sugar Maple Association	Sawtimber Well	30.8	91	51-80	N/A	Log stand harvested in 60's (strip cuts) then Elm salvage done around 1978. Stand was then part of sale cut in 1998. BA is still low but good quality Sugar maple is present, advanced regen is present.																																																						
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43	6120 - Lowland Cedar	Sawtimber Well	11.4	123	111-140	N/A	Lowland cedar stand, old cedar. Very wet saturated soils.																																
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45	6120 - Lowland Cedar	Sawtimber Well	28.8	123	111-140	N/A	Lowland mixed stand with cedar and an array of deciduous trees. Stand is large in size and many drainages run through.																																
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58	122 - Road/Parking Lot	None	1.2			No	H-58 and cleared portion of the Right-of-way, including intersection of Felix Olsen road.																																