

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41171

Entry Year: 2027

Acreage: 1,202

County: Alger

Management Area: Grand Marais Moraine Complex

Stand Examiner: Mario Molin

Legal Description:

T47N R17W Sections 10 and 15

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 hilly to flat with some low areas. The main soils in the compartment are; Ogemaw Sandy Loam with fair to good drainage and fair natural fertility, Munising Loam with good drainage and moderate natural fertility and Kalkaska Loamy Sand with good drainage and low to fair natural fertility. The entire compartment lies within the Munising Moraine Land Type Association.

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

Ownership within the compartment is all State land except for the town of Melstrand on the south end. The surrounding land has broken ownership of State lands, CFR lands and private ownership. State land is heavily used by hunters while the roads are heavily used by those looking for fishing sites and access into PRNL properties to the northwest. The residents are a mix of year-round and seasonal.

Unique Natural Features:

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

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Treatments that will be conducted around any water areas will follow all BMP regulations and those concerns addressed from other divisions.

Watershed and Fisheries Considerations:

Fisheries Concerns: This compartment has very little surface water within its boundaries. There is a small, disconnected lake in the south-west corner of the compartment and best management practices (BMP's) should be adhered to when working in proximity to this surface water.

Wildlife Habitat Considerations:

This compartment is located immediately north, east, and west of Melstrand. The pre-settlement forest, as recorded by General Land Office surveyors appears to have been dominated by sugar maple, yellow birch, and beech. Hemlock and balsam fir were also common components. Red maple, ironwood, and elm were recorded as minor components of the forest. Currently the northern hardwoods appear to have a stronger component of black cherry than during the pre-settlement days. Aspen is also a more significant part of the landscape than it was circa 1850. Featured species in this compartment are American marten, moose, bear, gray jay, northern goshawk, ruffed grouse, and white-tailed deer. Wildlife habitat objectives include promoting diversity within the hardwoods, and maintaining the aspen component in the compartment.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of end moraine of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien (PdC) Formation subcrops below the glacial drift. The PdC could be used for stone. The nearest gravel pit is in Section 15 or just to the east 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-58 and County Road 639, Chapel Lake Road. 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 for those heading into the PRNL and those looking for fishing opportunities.

Fire Protection:

Fire response to the area will be good. The Shingleton station is about 20 minutes from the compartment via H-15 and H-58. 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:

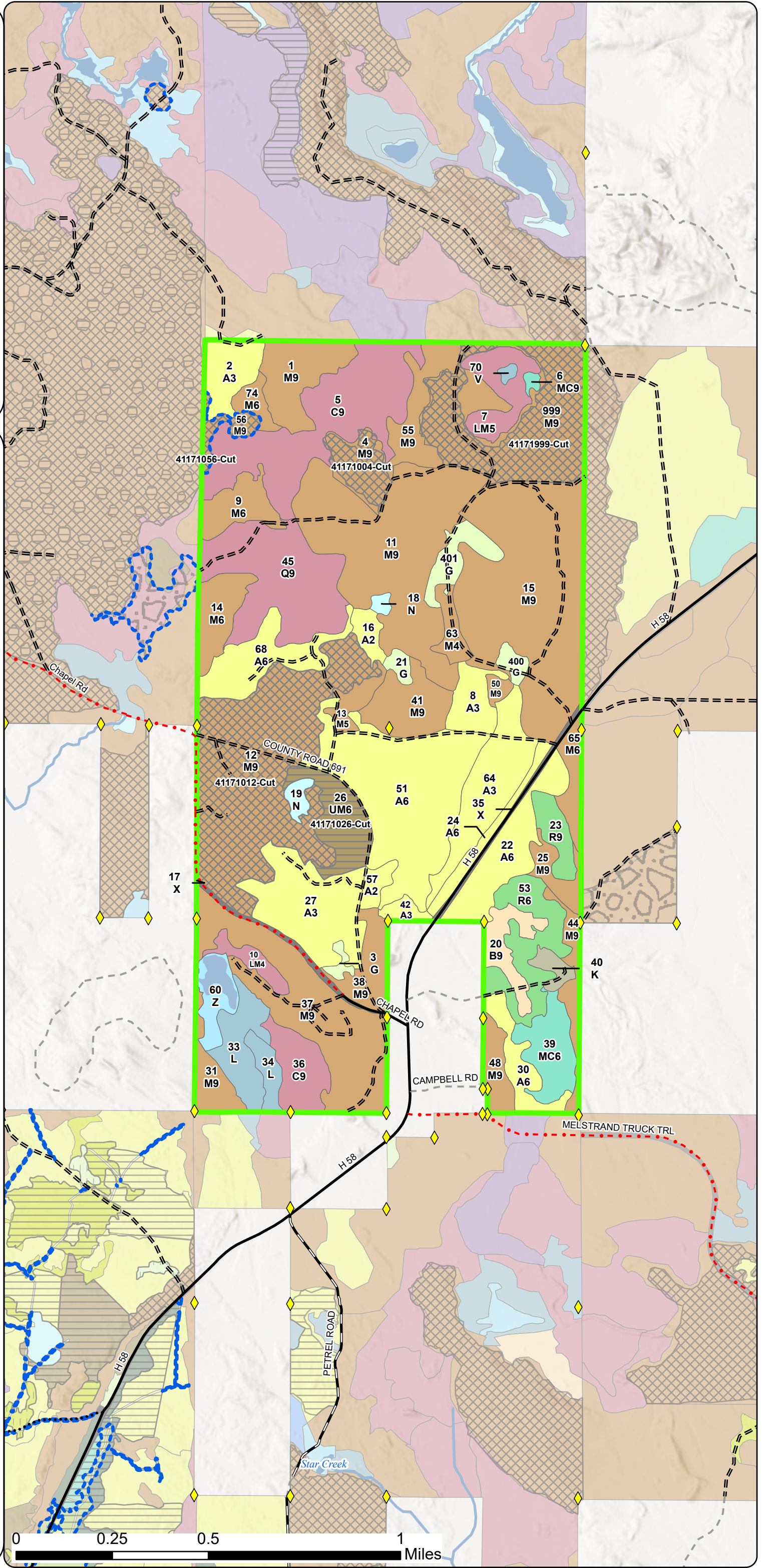
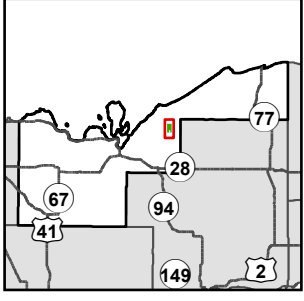
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

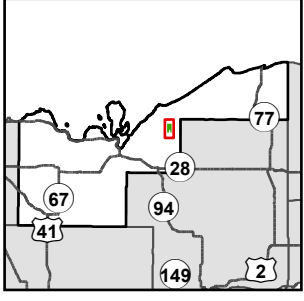
Compartment: 41171
 T47N,R17W, Sec: 10, 15
 County: Alger
 Unit: Shingleton
 Mgmt. Area: Grand Marais Moraine Complex
 YOY: 2027
 Acres: 1,202.41 GIS Calculated
 Examiner: Mario Molin
 Date Exported: 02/04/2026
 Map Phase: Post Review



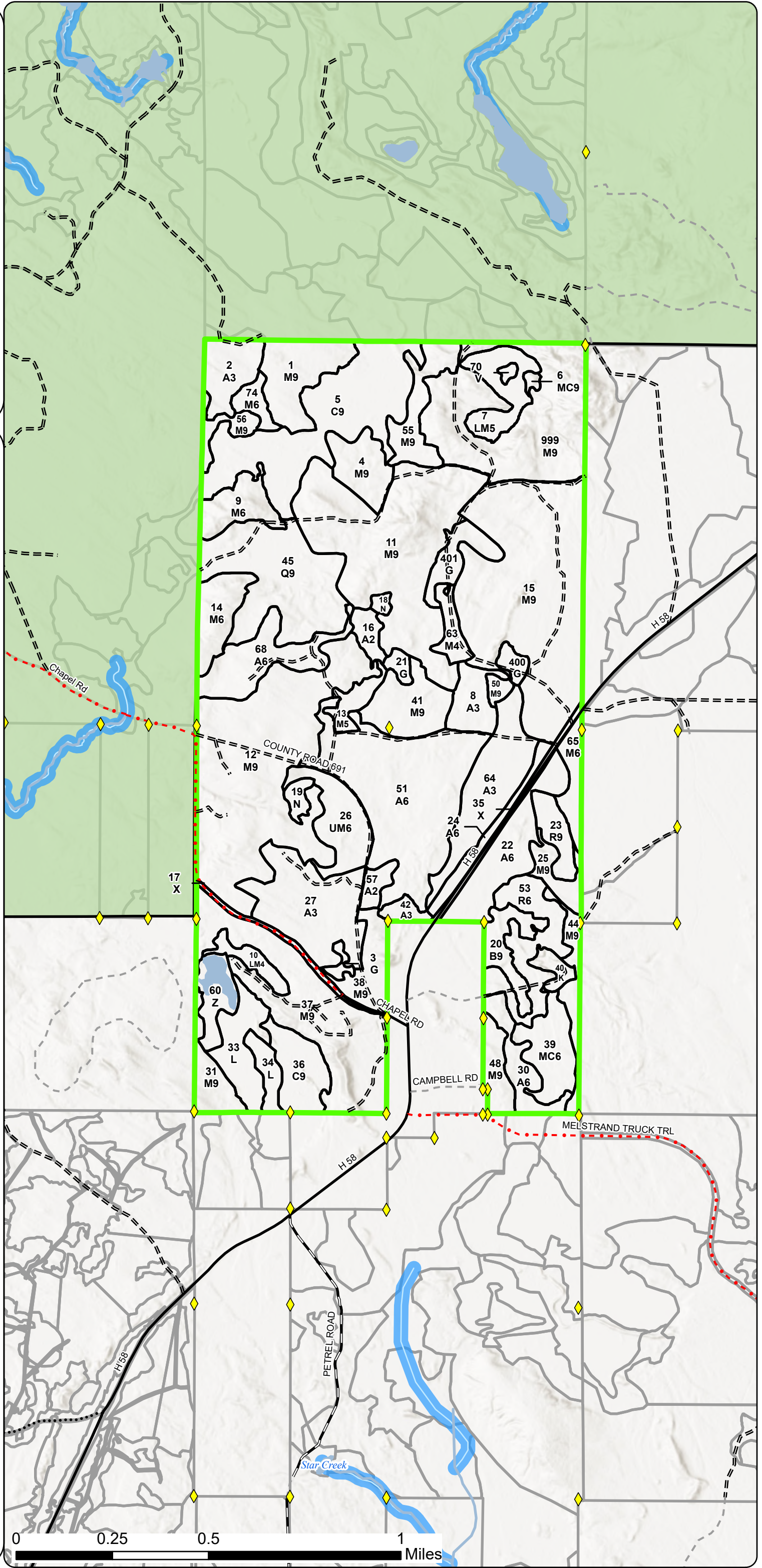
- Survey Grade Corners
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Clearcut
- Selection
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 421 - Planted Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 720 - Exposed Rock

Special Conservation Areas & Site Conditions Map

Compartment: 41171
 T47N,R17W, Sec: 10, 15
 County: Alger
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 Mgmt. Area: Grand Marais Moraine Complex
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 Date Exported: 02/04/2026
 Map Phase: Post Review



- ◆ Survey Grade Corners
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Recreational/Scenic Value Area



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	87	19	5	63	85	0	0	0	0	0	0	0	0	0	0	0	0	257
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	17	64	0	0	0	81
Exposed Rock	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Conifers	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	0	53
Lowland Mixed Forest	0	0	0	0	0	0	0	6	0	0	16	0	0	0	0	0	0	0	22
Lowland Shrub	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	0	0	0	0	0	0	34	0	0	14	62	0	0	0	0	0	520	630
Paper Birch	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	12
Red Pine	0	0	0	0	0	25	0	9	0	0	0	0	0	0	0	0	0	0	34
Upland Conifers	0	0	0	0	0	0	0	18	0	0	0	0	0	0	1	0	0	0	19
Upland Mixed Forest	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	20
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Total	74	87	19	5	63	110	20	79	0	53	30	62	0	17	65	0	0	520	1202

Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 171
Total Compartment Acres: 1,202

Commercial Harvest - 358
Harvests with Site Condition - 12
Next Step Harvest - 0
Habitat Cut - 20

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood	0	186	0	0	0	0	0	0	0	186
Upland Mixed Forest	20	0	0	0	0	0	0	0	0	20
Total	20	186	0	0	0	0	0	0	0	205

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	205	0	0	0	0	0	0	0	0	205
Next Step	0	0	0	0	0	0	205	0	0	205
Total	205	0	0	0	0	0	205	0	0	410

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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:

4	41171004-Cut	12.5	4110 - Sugar Maple Association	9	96	51-80	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark down to 85BA. The northeast has steep hills, remember to mark for operations on slopes, some slopes may be too steep to machine</p> <p><u>Specs:</u> harvest. Promote species diversity when possible.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> northern Hardwoods</p> <p><u>Regen:</u></p> <p><u>Other</u> This stand already marked as part of TS: 41-038-17, 1/2 of unit 2 of sale was uncut.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2022</p>											
12	41171012-Cut	108.6	4112 - Maple, Beech, Cherry Association	9	96	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Follow the Complete Marker mark down to 85BA</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> Hardwoods</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>											
26	41171026-Cut	19.6	4319 - Mixed Upland Forest	6	52	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	Yes
<p><u>Prescription</u> clearcut with retentioninclude drumming log spec</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any mix of trees previously on site</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>											

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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
56 41171056-Cut	6.0	4112 - Maple, Beech, Cherry Association	9	61	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> mark to 80BA and follow guidance										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)										
<u>Treatments:</u>										
<u>Acceptable</u> northern hardwoods										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u> Too Wet										
<u>Proposed Start Date:</u> 10/01/2026										
999 41171999-Cut	58.5	4110 - Sugar Maple Association	9	92	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Mark down to 85BA. The northeast has steep hills, remember to mark for operations on slopes, some slopes may be too steep to machine										
<u>Specs:</u> harvest. Promote species diversity when possible.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> Northern Hardwood										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2022										

Total Treatment 205.2
Acreage Proposed:

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin: Examiner

Compartment: 171
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		2G	5D	5E
222	218	0	4	Aspen			4
1	1	0	0	Bog			
81	81	0	0	Cedar			
4	4	0	0	Exposed Rock			
19	19	0	0	Herbaceous Openland			
53	53	0	0	Lowland Conifers			
22	6	0	16	Lowland Mixed Forest		16	
24	24	0	0	Lowland Shrub			
5	5	0	0	Marsh			
615	609	0	6	Northern Hardwood	4		1
12	12	0	0	Paper Birch			
14	9	0	5	Red Pine			5
19	19	0	0	Upland Conifers			
20	20	0	0	Upland Mixed Forest			
9	9	0	0	Urban			
12	12	0	0	Water			
1,132	1,102		30	Total Forested Acres	4	16	10
	97%		3%	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)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: An isolated stand that is also very wet, too small to to put up and sell as a winter harvest.							
3	Unavailable	5D: Unproductive forest land	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin: Examiner

Compartment: 171
Year of Entry: 2027

13	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin: Examiner

Compartment: 171
Year of Entry: 2027

23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin: Examiner

Compartment: 171
Year of Entry: 2027

34	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	5E: Long-Term Retention	0	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	4110 - Sugar Maple Association	Sawtimber Well	22.7	91	81-110	N/A	[07/07/2008] Stand is now under contract TS# 41-001-08-01. Residual BA: mixed hardwood = 81; yellow birch = 1; hemlock = 1; total = 83 sq.ft/acre. [6-29-10] Sale is now completed TCR dtd 6-29-10.																																																				
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2	4130 - Aspen	Sapling Well	14.8	16	Immature	N/A	[07/07/2008] Stand is now under contract TS# 41-001-08-01. [6-29-10] Sale is now completed TCR dtd 6-29-10.																																																				
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3	31022 - Warm Season Grass	None	2.1			No	2025 Some scattered trees																																																				
4	4110 - Sugar Maple Association	Sawtimber Well	14.6	96	51-80	N/A																																																					
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Beech	Medium	5 - 10 feet	5 - 10 feet																																																								
5	6120 - Lowland Cedar	Sawtimber Well	64.3	130	141-170	N/A	2015: Very wet ground containing small drains scattered within the stand. Some cedar regeneration in areas, mainly from layering. Cedar is large and old but of poor quality, crooked and spirals. Scattered hemlock and white pine near the hardwood types. 10 BA snags.																																																				
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6	429 - Mixed Upland Conifers	Sawtimber Well	1.2	136	111-140	N/A	2015: Small island of large diameter White pine and Hemlock, has all the signs of type 2 old growth.																																																				
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7	6139 - Mixed Lowland Forest	Poletimber Medium	16.0	91	51-80	N/A																																																					
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8	4130 - Aspen	Sapling Well	11.6	5	Immature	N/A	2015: Hybrid Aspen plantation planted in 1976. Aspen is a cross breed between species of Aspen and not a G.M.O (Genetically Modified Organism) There is a folder with a lot of data about the project- intent was to try to produce a fast growing aspen tree that could be harvested in 20 years on lower quality soils. TS: 41-038-17																																				
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9	4111 - S.Maple, Hard Mast Association	Poletimber Well	13.7	96	81-110	N/A																																					
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10	6130 - Fir, Aspen, Maple	Poletimber Poor	6.4	61	1-50	N/A	Wetland/creek, beaver flooding																																				
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11	4110 - Sugar Maple Association	Sawtimber Well	91.0	96	51-80	N/A	[11/8/12 bb] Stand was added to the 2014 Compartment Review as an Out of Entry Treatment due to the rapid spread of BBD and overall decline of the species within the stand. Stand was part of a Unit wide analysis. The harvest is a salvage cut in which all the beech and ash will be designated unless retained for mast or resistance. [4/16/13 bb] After a more thorough look the stand is being dropped as a salvage cut because, the stand has a current BA of 110-120 and would have to be marked to harvest the Beech. The Beech volume is very low in the stand to begin with. This stand will be thinned next YOE 2017 and the Beech present is expected to have fallen out of the stand by then reducing the need to deal with Beech brush post-harvest. TS: 41-.038-17 units 2-4																																				
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12	4112 - Maple, Beech, Cherry Association	Sawtimber Well	108.6	96	81-110	N/A	2015: Regeneration is patchy. There is a drainage in the middle of the stand, which may change one way or another with the road improvement.																																				
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13	4117 - Mixed N. Hardwood - Pine	Poletimber Medium	6.7	41	1-50	N/A																																												
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14	4112 - Maple, Beech, Cherry Association	Poletimber Well	14.8	76	81-110	N/A																																												
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15	4110 - Sugar Maple Association	Sawtimber Well	107.6	96	51-80	N/A	2015: Small scattered pockets of completely healthy looking beech in the stand, most of the beech is dead or dying. No reason to enter early for salvage purposes. TS: 41-038-17 units 5-7																																											
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17	122 - Road/Parking Lot	None	4.2			No																																												
18	6233 - Wet Meadow	None	1.5			No	2015: Wetland of some kind, lots of lilies and other flowers. Appears to be a pair of sandhill cranes using the area.																																											
19	6239 - Mixed Emergent Wetland	None	3.5			No	2015: When harvesting adjacent to the stand special care should be taken to keep equipment out of the stand.																																											
20	4140 - Other Upland Deciduous	Sawtimber Well	12.0	65	81-110	N/A																																												
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21	3102 - Grass	None	2.8			No																																												

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
22	4130 - Aspen	Poletimber Well	26.0	39	81-110	N/A		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Pole	6		White Pine	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	80	Pole	6	39	Black Cherry	Low	10 - 20 feet	10 - 20 feet
White Spruce	5	Pole	8		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
White Pine	5	Pole	8					
Red Pine	5	Pole	8					
23	42110 - Planted Red Pine	Sawtimber Well	9.2	65	81-110	N/A	Melstrand Mixed Timber: 41-037-17-01	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log	10	65	Sugar Maple	Medium	5 - 10 feet	5 - 10 feet
					Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet
					White Pine	Low	< 5 feet	< 5 feet
24	4133 - Aspen, Mixed Pine	Poletimber Well	8.1	46	51-80	N/A	[2/3/03] Spruce were planted as a wind break under FTP C41-811 in 2000, and are currently healthy. No further monitoring necessary. 2015: Scotch pine has been found in the stand.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Pole	6		Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	60	Pole	6	46	White Spruce	Medium	5 - 10 feet	5 - 10 feet
White Spruce	5	Pole	8		White Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	5	Pole	8		Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Pine	20	Pole	8					
Scotch Pine	5	Pole	6					
25	4119 - Mixed Northern Hardwoods	Sawtimber Well	8.1	65	81-110	N/A	2015: Very good birch regeneration.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	10	65	Sugar Maple	Medium	Variable	Variable
Yellow Birch	5	Pole	6		Yellow Birch	Medium	Variable	Variable
Paper Birch	25	Log	10		Black Cherry	Medium	Variable	Variable
					Balsam Fir	Medium	Variable	Variable
26	4319 - Mixed Upland Forest	Poletimber Well	19.6	52	81-110	N/A	2015: This is another odd aspen type cut, wait until fir is at rotation/ in decline, this will give the time needed for the aspen to be at a better merchantable size and clear cut all species.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Quaking Aspen	Medium	>20 feet	>20 feet
Quaking Aspen	45		6	52				
Balsam Fir	30		8	66				
White Spruce	10	Pole	8					
White Pine	10	Log	10					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
27	4130 - Aspen	Sapling Well	39.8	7	Immature	N/A	2015: Stand was multiple stands last inventory, all were similar in structure and should be managed as one. All the stands were managed somewhat oddly in the past, it seems like pockets of aspen were harvested when they became merchantable, so stand has a multi aged look. Age given is based on last cutting record but stand has everything from saplings to logs .Melstrand Mixed Timber: 41-037-17-01																																												
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30	4130 - Aspen	Poletimber Well	12.8	38	1-50	N/A																																													
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31	4110 - Sugar Maple Association	Sawtimber Well	10.9	96	81-110	N/A	[6-8-07] Stand is now under sale contract 41-008-07-02 DOC Melstrand Hardwood.[1-28-09] Sale is completed TCR dtd 1-27-09.2015: Stand appears to have been cut quite aggressively in the past, the residual trees are of good quality and there is very good regeneration, this should allow for future cuts to be more traditional and push the stand into an uneven aged status.2020: Consider adding to hardwood stands to the to the south when those get treated. south																																												
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33	622 - Lowland Shrub	None	17.9			No																																													
34	6220 - Alder/Willow	None	6.5			No	Stand can go either way as nonforested lowland shrub or some sort treed bog.																																												
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35	122 - Road/Parking Lot	None	5.0			No																																													
36	6120 - Lowland Cedar	Sawtimber Well	16.8	127	171-200	N/A	2015: Spine in middle of stand with log x-log sized red maple and hemlock.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
37	4110 - Sugar Maple Association	Sawtimber Well	62.1	101	81-110	N/A	2015: Mainly 12-14in log stand of sugar maple and basswood, very little regen. Hilly terrain. Melstrand Mixed Timber: 41-037-17-01
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		65	Log	14	101	Sugar Maple	
Red Maple		20	Log	12		Balsam Fir	
Basswood		15	Log	14		Basswood	
						Density	
						Low	
						Avg. Height	
						Variable	
						Size	
						Variable	
38	4110 - Sugar Maple Association	Sawtimber Well	13.9	96	81-110	N/A	Melstrand Mixed Timber: 41-037-17-01
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		80	Log/Pole	10	96	Ironwood	
Basswood		5	Log	12		Sugar Maple	
Paper Birch		5	Pole	6			
Black Cherry		5	Log/Pole	10			
Ironwood		5	Pole	6			
						Density	
						Low	
						Avg. Height	
						10 - 20 feet	
						Size	
						10 - 20 feet	
39	429 - Mixed Upland Conifers	Poletimber Well	18.1	66	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		10	Pole	8		Black Cherry	
Quaking Aspen		25	Pole	6			
Balsam Fir		15	Pole	6			
White Spruce		45	Pole	8	66		
Black Spruce		5	Pole	6			
						Density	
						Low	
						Avg. Height	
						< 5 feet	
						Size	
						< 5 feet	
40	720 - Exposed Rock	None	4.3			No	GRAVEL PIT
41	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.8	96	81-110	N/A	2015: Poor quality stand, not much regeneration, consider cutting in ten years.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		5	Log/Pole	10		Red Maple	
Red Maple		75	Log/Pole	10	96	Beech	
Beech		5	Log/Pole	10		Black Cherry	
Balsam Fir		4	Pole	6			
White Pine		1	Log	10			
Black Cherry		10	Log	10			
						Density	
						Medium	
						Avg. Height	
						Variable	
						Size	
						Variable	
42	4130 - Aspen	Sapling Well	3.7	17	Immature	N/A	[10-10-08 JS] Sold as negotiated sale 41-043-08-02 and FTP# W41-1391 [1-14-09] TCR has been signed. [5-1-09 JS] Dave gave this FTP to DOC (Kip) to do. [4/30/09] DOC cut residual trees - close FTP
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		100		3	17	Sugar Maple	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
44	4110 - Sugar Maple Association	Sawtimber Well	10.0	66	51-80	N/A	[6-8-07] Stand is now under sale contract 41-008-07-02 DOC Melstrand Hardwood. [1-28-09] Sale is completed TCR dtd 1-27-09.																																																				
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45	6124 - Lowland Spruce-Fir	Sawtimber Well	52.6	86	81-110	N/A																																																					
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48	4119 - Mixed Northern Hardwoods	Sawtimber Well	9.7	66	51-80	N/A	[6-8-07] Stand is now under sale contract 41-008-07-02 DOC Melstrand Hardwood.[1-28-09] Sale is completed TCR dtd 1-27-09.10/21/2015 "This stand was flagged with high or very high potential for spruce budworm impact but the decision at Compartment Review was not to harvest the stand at this time."																																																				
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51	4130 - Aspen	Poletimber Well	76.6	42	81-110	N/A																																																					
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53	42110 - Planted Red Pine	Poletimber Well	25.0	44	81-110	N/A	Melstrand Mixed Timber: 41-037-17-01																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
55	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.0	92	81-110	N/A	2015: North end includes a small lowland piece with hemlock.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		60	Log	12	92	Sugar Maple	
Red Maple		30	Log/Pole	12		Red Maple	
White Spruce		5	Pole	8		Density	
Hemlock		5	Log	12		Avg. Height	
						Size	
						Variable	
						5 - 10 feet	
						5 - 10 feet	
56	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.0	61	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		60	Log/Pole	10	61	Beech	
Red Maple		35	Log/Pole	10		Balsam Fir	
Yellow Birch		5	Pole	8		Sugar Maple	
						Red Maple	
						Density	
						Avg. Height	
						Size	
						10 - 20 feet	
						< 5 feet	
						< 5 feet	
						Variable	
						Variable	
57	4130 - Aspen	Sapling Medium	4.5	7	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		90	Sapling	2	7	Balsam Fir	
White Pine		5	Sapling	4		Density	
Black Cherry		5	Sapling	2		Avg. Height	
						Size	
						< 5 feet	
						< 5 feet	
60	500 - Water	None	11.5			No	2015: Pond with some flooding in the past, southwest has numerous snags in it.
63	4110 - Sugar Maple Association	Poletimber Poor	6.6	61	1-50	N/A	2015: Old grass opening that is filling in.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		45	Pole	6	61	Beech	
Quaking Aspen		20	Sapling	2		Density	
Black Cherry		35	Pole	6		Avg. Height	
						Size	
						Variable	
64	4130 - Aspen	Sapling Well	30.9	5	Immature	N/A	2015: Small area was planted with red pine.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		100	Sapling	1	5		
65	4110 - Sugar Maple Association	Poletimber Well	9.0	66	51-80	N/A	OPIC - FMD: Scattered large white spruce, red maple, aspen and cherry brush all about 15-20 feet tall. There are still some 1/10 acre pockets of open area.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		80	Pole	8	66	Sugar Maple	
Red Maple		10	Pole	8		White Pine	
White Pine		10	Pole	8		Black Cherry	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
68	4130 - Aspen	Poletimber Well	23.9	36	51-80	N/A	OPIC - FMD: Stand was cut and TSI'd in 90-91. Ground can be wet. Scattered fir and white pine.																																															
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70	6225 - Bog	None	1.1			No																																																
74	4113 - R.Maple, Conifer	Poletimber Well	5.4	61	81-110	N/A	Low wet ground when harvesting occurs it may need to be restricted to winter time.																																															
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400	3102 - Grass	None	3.4			No																																																
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