



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41172

Entry Year 2023

Acreage: 1,408

County Alger

Management Area: Pictured Rocks Buffer

Stand Examiner: Steve Touvila

Legal Description:

T47N R17W Sections 1-3, 11 & 12

Identified Planning Goals:

Provide for the protection, integrated management, and responsible use of a healthy, productive, forest and mineral resource base for the social, recreational, environmental, and economic benefit of the people of the State of Michigan.

Soil and topography:

The compartment has rolling to hilly terrain. There are areas where access will be seasonable do to a high water table. The majority of the soil types will support fair to good quality hardwoods.

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

Sections 2 and 3 fall within the Pictured Rocks National Lake Shore buffer area. Sections 11 and 12 are not within the buffer area. There is some private ownership near the Shoe Lakes and some corporate land in and around the compartment. The compartments SE boundary is H-58 which is a heavily traveled road during all four seasons.

Unique Natural Features:

Upper Shoe Lake and Lower Shoe Lake is located in the Northeast portion of this compartment. Lake Abby resides within section 2 and Section 34 Creek flows into a pond in section 3 of this compartment.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

This Compartment is within the Pictured Rocks National Lakeshore Buffer.

Watershed and Fisheries Considerations:

This compartment sits on the watershed break for Lake Superior and Lake Michigan. The western portion of the compartment contains the headwaters to Section 34 Creek. Section 34 Creek is a designated trout stream and is less than 50 ft in width. Lower Shoe Lake touches the compartment boundary in the northeast portion. The headwaters to Stoner Creek begin along the eastern compartment boundary. Stoner Creek is a designated trout stream and is less than 50 ft in width. A 300 ft buffer is recommended for Section 34 Creek and Stoner Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100 ft plus 5 ft per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is located within the Grand Marais Sandy End Moraine Outwash sub-subsection. The average growing season is approximately 120 days. The extreme winter temperature generally reaches approximately -35 F. Snowfall in this compartment averages 200 inches or more annually. General Land Office (GLO) Surveyor notes indicate that the upland forest contained a mixture of softwood and hardwoods. Principle species included sugar maple, hemlock, yellow birch, beech, balsam fir, with lesser amounts of red maple, and elm. Cedar, tamarack, and tag alder dominated the lowlands. Wind throw was likely the primary source of natural disturbance. The current forest cover is quite similar to that found by the GLO surveyors. However, there as been a substantial reduction in species diversity with the northern hardwood areas. Specifically, the yellow birch and conifer (hemlock and fir) component appears to have been significantly reduced or eliminated in some stands. Wildlife habitat objectives include maintaining some closed canopy deciduous forest, reestablishing conifers as important components within the hardwood stands, providing soft mast by favoring the retention and enhancement of black cherry and yellow birch. Lowland conifer stands will also be protected. There are no known occurrences of endangered, threatened, or special concern species within this compartment. However, other species of interest include Blackburnian warbler, saw-whet owl, fisher, and marten.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. Two active sand/gravel pits are just southwest of the compartment. One is the State-owned Melstrand (Adams Trail) Pit, which is currently leased to the County Road Commission. There may be some potential for sand within the compartment. There is no other known mineral potential within the compartment. The State does not own all the mineral rights within the compartment and may or may not own the rights to the non-metallic minerals depending on deed language. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

There is a good two-track system in place from past logging activities on State and Forest Land Group property.

Survey Needs:

Stands needing survey have been factor limited.

Recreational Facilities and Opportunities:

Deer, grouse, and rabbit hunting.

Fire Protection:

The timber types are mainly hardwood and lowland conifers reducing the chances of any large wildland fire occurrences.

Additional Compartment Information:

The following reports from the Inventory are attached:

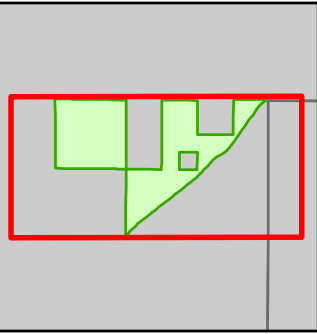
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

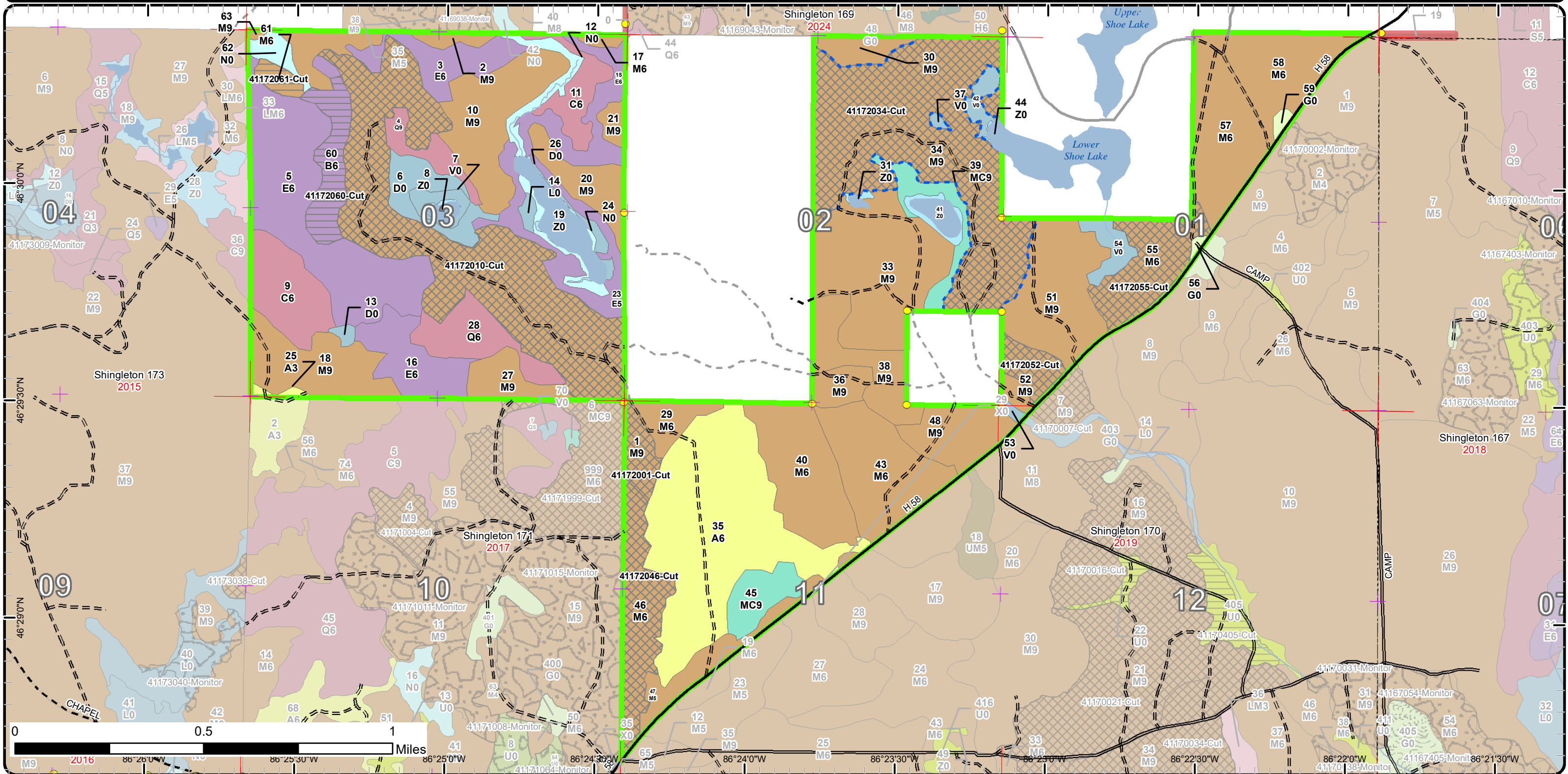
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 172
 T47N, R17W, Sec: 1-3, 11
 County: Alger
 Unit: Shingleton
 Mgmt Area: Pictured Rocks Buffer
 YOE: 2023
 Acres: 1408.2 GIS Calculated
 Examiner: Steve Touvila
 Map Revised: 1/28/2022
 Map Phase: Post Review

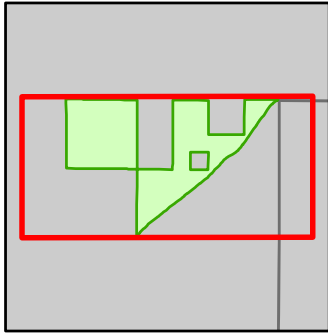


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

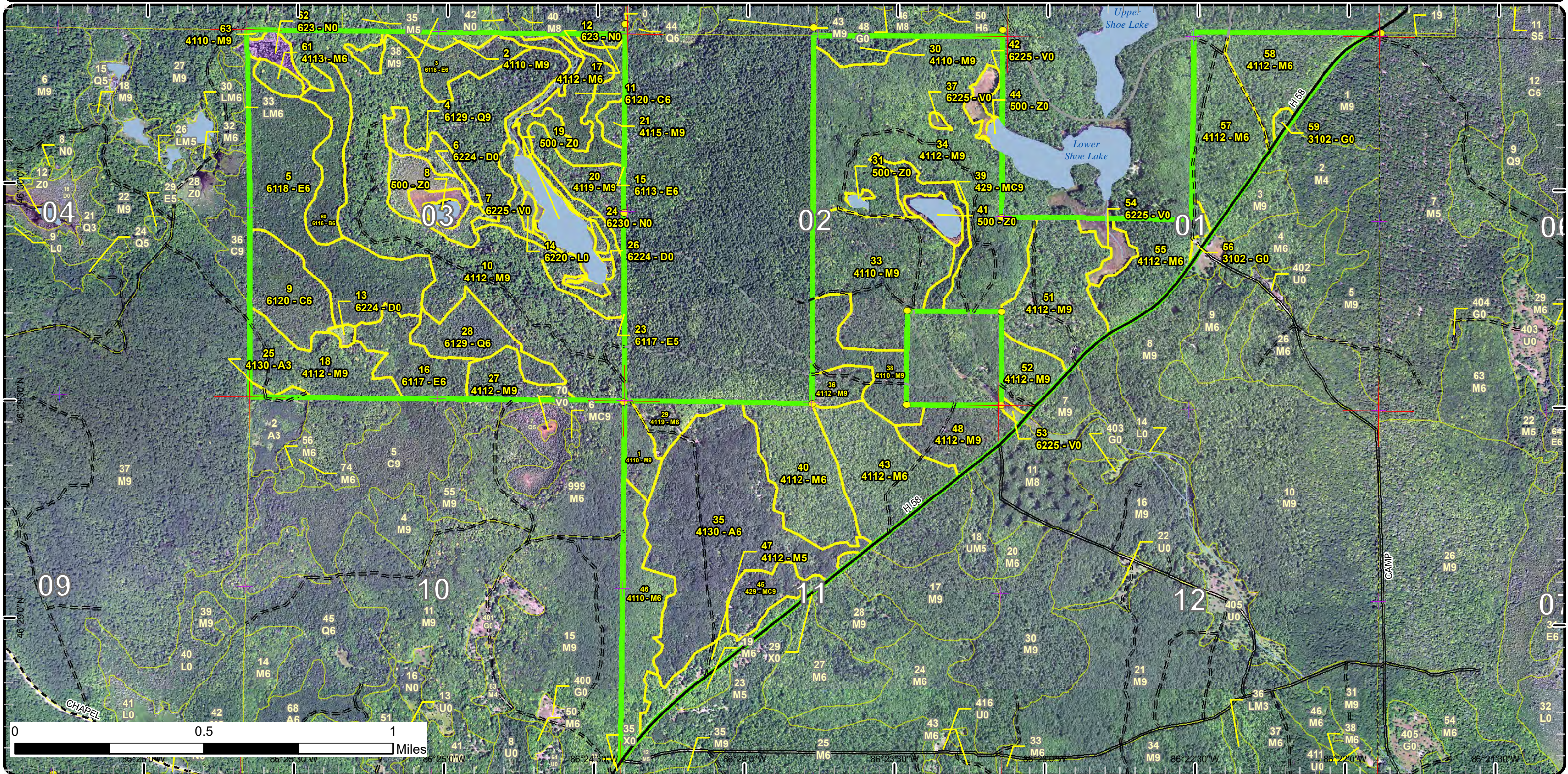


Stand Boundary Map

Compartment: 172
 T47N, R17W, Sec: 1-3, 11
 County: Alger
 Unit: Shingleton
 Mgmt Area: Pictured Rocks Buffer
 YOE: 2023
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	2	0	116	0	0	0	0	0	0	0	0	0	0	0	0	0	118
Bog	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Cedar	0	0	0	0	0	0	0	0	0	29	15	0	0	0	0	0	0	0	43
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	33
Lowland Deciduous	0	0	0	0	0	0	0	0	171	0	0	0	0	0	0	0	0	0	171
Lowland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Northern Hardwood	0	0	0	0	0	18	0	92	532	253	1	0	0	0	0	0	0	0	896
Paper Birch	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	22
Treed Bog	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Upland Conifers	0	0	0	0	0	0	0	0	15	0	13	0	0	0	0	0	0	0	28
Water	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Total	95	0	2	0	116	18	0	92	773	282	29	0	0	0	0	0	0	0	1406



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 172

Total Compartment Acres: 1,408

Commercial Harvest - 254
 Harvests with Site Condition - 143
 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	5	372	0	0	0	0	0	0	0	377
Paper Birch	21	0	0	0	0	0	0	0	0	21
Total	26	372	0	0	0	0	0	0	0	397

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	397	0	0	0	0	0	0	0	0	397
Next Step	0	0	0	0	0	0	397	0	0	397
Total	397	0	0	0	0	0	397	0	0	795



Stand	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:

1	41172001-Cut	10.4	4110 - Sugar Maple Association	Sawtimber Well	87	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select harvest to an average 85 BA creating regeneration gaps following the Complete Marker. If possible try to promote lesser occurring species that are in the south end of the stand. No cut hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> sugar maple, red maple, yellow birch, basswood, black cherry, balsam fir, beech, white pine, white spruce, paper birch</p> <p><u>Other Comment:</u> Unless a roost tree is found, no restrictions needed for northern long-eared bats.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
10	41172010-Cut	139.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	83	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select cut to an average 85 BA creating regeneration gaps following the Complete Marker. Where possible try to encourage regeneration of lesser occurring species. No cut hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> sugar maple, red maple, balsam fir, paper birch, yellow birch, hemlock, white pine, white spruce, beech</p> <p><u>Other Comment:</u> Unless a roost tree is found, no restrictions needed for northern long-eared bats. Best to mark this stand leaf off with the thick saplings.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
34	41172034-Cut	143.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	76	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select harvest to 85 BA creating canopy gaps following the Complete Marker. Where possible try to encourage lesser occurring species. The line along stand 39 can be pushed in to try to promote hemlock but stay on the high ground. No cut hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Sugar maple, red maple, yellow birch, paper birch, beech, black cherry, balsam fir, white spruce, white pine, hemlock</p> <p><u>Other Comment:</u> Unless a roost tree is found, no restrictions needed for northern long-eared bats. There will be lighter marking areas in the red maple portions described in the stand notes. Can be opportunity to open up the existing regeneration while keeping the marking light.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</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
46 41172046-Cut	34.8	4110 - Sugar Maple Association	Poletimber Well	64	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription Specs:</u> Single tree selection leaving an average 85 BA following the complete marker. If possible try to encourage lesser occurring species such as black cherry. No cut hemlock.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> red maple, sugar maple, beech, balsam fir, black cherry, white pine, white spruce, yellow birch, paper birch</p> <p><u>Other Comment:</u> Unless a roost tree is found, no restrictions needed for northern long-eared bats.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>										
52 41172052-Cut	11.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	74	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Select cut to an average 85 BA creating regeneration gaps following the complete marker. If possible try to encourage black cherry regeneration in places. No cut hemlock.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> red maple, sugar maple, black cherry, white pine, balsam fir, white spruce, hemlock, yellow birch, beech</p> <p><u>Other Comment:</u> Stay out of the area of advanced yellow birch regeneration as indicated with the western edge treatment line. Unless a roost tree is found, no restrictions needed for northern long-eared bats.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>										
55 41172055-Cut	32.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	73	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Select cut to average 85 BA and create regeneration gaps following the Complete Marker. Try to open gaps around some of the existing black cherry sapling groupings. No cut hemlock.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> sugar maple, red maple, black cherry, yellow birch, balsam fir, beech, white pine, white spruce</p> <p><u>Other Comment:</u> Unless a roost tree is found, no restrictions needed for northern long-eared bats.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</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
60 41172060-Cut	20.6	6116 - Lowland Birch	Poletimber Well	79	81-110	Harvest	Clearcut with Retention	6116 - Lowland Birch	Even-Aged	No
<p><u>Prescription</u> Cut all merchantable trees except don't cut cedar and hemlock. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> paper birch, yellow birch, red maple, hemlock, balsam fir, cedar, white spruce, black spruce, black ash <u>Other Comment:</u> Proposed long term retention is in the northern part of the stand. Unless a roost tree is found, no restrictions needed for northern long-eared bats. <u>Site Condition</u> Proposed Start Date: 10/1 /2022</p>										
61 41172061-Cut	5.1	4113 - R.Maple, Conifer	Poletimber Well	79	81-110	Harvest	Clearcut	4113 - R.Maple, Conifer	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees but don't cut hemlock and cedar. No retention needed due to small acreage. May need timber mats at west end of adjacent treatment. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable Regen:</u> red maple, sugar maple, balsam fir, hemlock, white pine, white spruce, cedar, beech, paper birch, yellow birch <u>Other Comment:</u> Unless a roost tree is found, no restrictions needed for northern long-eared bats. <u>Site Condition</u> Proposed Start Date: 10/1 /2022</p>										

Total Treatment Acreage Proposed: 397.4

Report 4 – Site Conditions

Shingleton Mgt. Unit
Steve Touvila : Examiner

Compartment: 172
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions									
		With Condition				2I	5B	5C	2G	3J	5E			
118	118	0	0	0	Aspen									
21	21	0	0	0	Bog									
44	44	0	0	0	Cedar									
3	3	0	0	0	Herbaceous Openland									
34	23	0	10	10	Lowland Conifers				10					
171	100	47	24	24	Lowland Deciduous			47			24			
2	2	0	0	0	Lowland Shrub									
21	21	0	0	0	Marsh									
893	689	201	2	2	Northern Hardwood	143	55	3			2			
22	21	0	2	2	Paper Birch									2
22	22	0	0	0	Treed Bog									
28	28	0	0	0	Upland Conifers									
26	26	0	0	0	Water									
1,405	1,118	248	38	38	Total Forested Acres	143	55	49	10		27			2
	80%	18%	3%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available		5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable		3J: Water quality / BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Many seeping drainages coming from the upland hardwoods scattered throughout this stand.								

Report 4 – Site Conditions

Shingleton Mgt. Unit
Steve Touvila : Examiner

Compartment: 172
Year of Entry: 2023

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for proposed harvest.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	2I: Survey needed	144	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Steve Touvila : Examiner

Compartment: 172
Year of Entry: 2023

9	Available	5B: Maintain for regeneration purposes	43	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: BA not high enough in this part of the stand. Entire stand should match after treatment.</p>							
10	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: BA not high enough is this part of the stand. It should match after the treatment in the larger part of the stand.</p>							

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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4110 - Sugar Maple Association	Sawtimber Well	10.5	87	141-170	N/A	The mixed species is at the south end of the stand. Stand is on an east facing slope.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	1	Log/XLog	14	
Black Cherry	2	Log/Pole	10	
Sugar Maple	92	Log/Pole	12	87
Quaking Aspen	1	Log	11	
Beech	2	Pole/Log	9	
Basswood	2	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace	< 5 feet	Sapling
Sugar Maple	Medium	< 5 feet	Seeding
Beech	Trace	5 - 10 feet	Sapling

2	4110 - Sugar Maple Association	Sawtimber Well	4.4	76	81-110	N/A	Stand was thinned with stand to the north. 41-026-14-01 unit 8
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log/Pole	10	
Sugar Maple	80	Log/Pole	10	76

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	< 5 feet	Sapling
Red Maple	Medium	< 5 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

3	6118 - Lowland Deciduous with Cedar	Poletimber Well	21.0	79	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Log/Pole	12	
Balsam Fir	3	Pole	8	
Yellow Birch	14	Log/Pole	11	
Black Ash	12	Pole	5	
Red Maple	38	Pole	8	79
Hemlock	2	Log/Pole	12	
Northern White Cedar	25	Pole/Log	8	
Quaking Aspen	1	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	>20 feet	Sapling
Balsam Fir	Medium	5 - 10 feet	Sapling
White Spruce	Low	5 - 10 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling

4	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	10.3	73	51-80	N/A	White pine and black spruce is dying back from increased water levels.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole/Sapling	6	
Black Spruce	40	Pole	6	73
Red Maple	5	Pole	8	
White Pine	30	Log/Pole	14	
Yellow Birch	5	Pole	8	
Hemlock	15	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Trace	Variable	Sapling
White Pine	Low	Variable	Sapling
Black Spruce	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5 6118 - Lowland Deciduous with Cedar Poletimber Well 79.8 71 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	3	Pole	9		Northern White Cedar	Low	5 - 10 feet	Sapling
Black Ash	40	Pole/Sapling	6	71	Red Maple	Medium	Variable	Sapling
Paper Birch	17	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole	6		Black Spruce	Trace	5 - 10 feet	Sapling
Red Maple	5	Pole	8		Black Ash	Medium	Variable	Sapling
White Pine	3	Log/Pole	14					
Northern White Cedar	20	Pole	9					
White Spruce	2	Pole/Log	9					

6 6224 - Treed Bog Nonstocked 16.6 Unspecified No

7 6225 - Bog Nonstocked 5.3 Unspecified No

8 500 - Water Nonstocked 2.4 Unspecified No

9 6120 - Lowland Cedar Poletimber Well 28.5 81 141-170 N/A Dense cedar that is growing tall and straight.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	8	Pole	8		Black Spruce	Medium	Variable	Sapling
Yellow Birch	10	Pole	8		Northern White Cedar	Low	< 5 feet	Sapling
Northern White Cedar	62	Pole	8	81				
Red Maple	2	Pole	8					
Black Spruce	8	Pole	8					
Paper Birch	10	Pole	8					

10 4112 - Maple, Beech, Cherry Association Sawtimber Well 194.4 83 111-140 N/A East end of stand has lower BA and was left out of the treatment area.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	11	83	Hemlock	Trace	Variable	Sapling
Balsam Fir	1	Pole	6		Beech	Low	Variable	Sapling
Beech	4	Log/Pole	11		White Pine	Trace	5 - 10 feet	Sapling
Black Cherry	3	Pole/Log	9		Balsam Fir	Trace	Variable	Sapling
Yellow Birch	9	Pole	8		Sugar Maple	Full	10 - 20 feet	Sapling
Hemlock	2	Log/Pole	12		Black Cherry	Low	10 - 20 feet	Sapling
Red Maple	10	Log/Pole	11					
White Pine	1	Log/XLog	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11	6120 - Lowland Cedar	Poletimber Well	15.1	91	141-170	N/A	Windblown disturbances throughout the stand. Not much cedar regeneration showing yet in 10" snow cover.																																																								
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12	623 - Emergent Wetland	Nonstocked	8.5		Unspecified	No	
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13	6224 - Treed Bog	Nonstocked	1.7		Unspecified	No	
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14	6220 - Alder/willow	Nonstocked	2.0		Unspecified	No	
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15	6113 - Lowland Maple	Poletimber Well	20.5	73	81-110	N/A																																																										
<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>Northern White Cedar</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Yellow Birch</td><td>5</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Red Maple</td><td>65</td><td>Pole</td><td>7</td><td>73</td></tr> <tr><td>Paper Birch</td><td>5</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Black Ash</td><td>3</td><td>Pole/Sapling</td><td>5</td><td></td></tr> <tr><td>Balsam Fir</td><td>5</td><td>Pole</td><td>9</td><td></td></tr> <tr><td>Hemlock</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>White Spruce</td><td>2</td><td>Log</td><td>14</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	10	Pole	8		Yellow Birch	5	Pole/Log	9		Red Maple	65	Pole	7	73	Paper Birch	5	Pole	8		Black Ash	3	Pole/Sapling	5		Balsam Fir	5	Pole	9		Hemlock	5	Log/Pole	10		White Spruce	2	Log	14		<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>Beech</td><td>Low</td><td>< 5 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Northern White Cedar</td><td>Low</td><td>< 5 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	< 5 feet	Sapling	Balsam Fir	Medium	5 - 10 feet	Sapling	Northern White Cedar	Low	< 5 feet	Sapling
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Northern White Cedar	Low	< 5 feet	Sapling																																																													

16	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	25.6	79	81-110	N/A	Mixture of approximately 55% lowland and 45% upland.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17 4112 - Maple, Beech, Cherry Association Poletimber Well 2.3 73 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	10	Log/Pole	10		Hemlock	Low	10 - 20 feet	Sapling
Beech	10	Pole/Log	9		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	72	Pole/Log	9	73	Beech	Medium	10 - 20 feet	Sapling
Yellow Birch	8	Pole/Log	9		Red Maple	Medium	10 - 20 feet	Sapling

18 4112 - Maple, Beech, Cherry Association Sawtimber Well 34.9 86 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log/XLog	12		Beech	Medium	5 - 10 feet	Sapling
Sugar Maple	74	Log/Pole	12	86	Balsam Fir	Low	10 - 20 feet	Sapling
Black Ash	2	Pole/Log	8		Sugar Maple	Medium	5 - 10 feet	Sapling
Beech	3	Pole/Log	9		Black Cherry	Trace	Variable	Sapling
Red Maple	13	Log/Pole	12		Hemlock	Low	Variable	Sapling
Black Cherry	3	Pole/Log	9					

19 500 - Water Nonstocked 13.0 Unspecified No

20 4119 - Mixed Northern Hardwoods Sawtimber Well 18.2 79 81-110 N/A

41-013-13-01 Melstrand Mole Hills
TCR: 8/28/16

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Pole	8		Balsam Fir	Low	Variable	Sapling
Paper Birch	5	Pole/Log	9		Beech	High	5 - 10 feet	Sapling
Yellow Birch	5	Pole/Log	9		Red Maple	High	< 5 feet	Sapling
Black Ash	3	Pole	6		Black Cherry	Trace	5 - 10 feet	Sapling
Red Maple	70	Log/Pole	12	79	Hemlock	Low	Variable	Sapling
Hemlock	9	Pole/Log	9					
Beech	3	Log/Pole	11					

21 4115 - Y.Birch, Hemlock NH Sawtimber Well 4.4 86 81-110 N/A

There's a 25' wide flowing drainage that cuts east/west across the bottom third of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Hemlock	25	Log/Pole	12		Beech	Low	< 5 feet	Sapling
Red Maple	65	Log/Pole	11	86	Black Ash	Trace	10 - 20 feet	Sapling
Balsam Fir	5	Pole	7		Hemlock	Low	< 5 feet	Sapling
					Red Maple	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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23 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 24.4 76 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	35	Pole	8	76	Northern White Cedar	Low	10 - 20 feet	Sapling
Hemlock	7	Pole	9		Balsam Fir	Low	Variable	Sapling
Black Spruce	2	Pole	8		Hemlock	Trace	Variable	Sapling
White Spruce	3	Pole/Log	9		Red Maple	Low	Variable	Sapling
Northern White Cedar	5	Pole	8		Black Ash	High	5 - 10 feet	Sapling
Black Ash	15	Pole	7					
Red Maple	25	Pole	7					
White Pine	5	Log/XLog	16					
Balsam Fir	3	Pole	7					

24 6230 - Cattail Nonstocked 7.0 Unspecified No

25 4130 - Aspen Sapling Well 2.0 12 Immature N/A Was treated with stand in adjacent compartment.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	95	Sapling	2	12	Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	5	Sapling	3					

26 6224 - Treed Bog Nonstocked 3.3 Unspecified No

27 4112 - Maple, Beech, Cherry Association Sawtimber Well 14.2 79 81-110 N/A This stand has hilly terrain and was thinned in 2007-2008 under TS # 41-001-08-01 TCR dtd 6-29-10.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	11		Red Maple	High	10 - 20 feet	Sapling
Yellow Birch	9	Log/Pole/XLog	12		White Pine	Trace	>20 feet	Sapling
Hemlock	6	Pole/Log	8		Beech	Medium	5 - 10 feet	Sapling
Sugar Maple	50	Log/Pole	11	79	Sugar Maple	High	10 - 20 feet	Sapling
Beech	5	Pole/Log	9		Hemlock	Low	Variable	Sapling
					Balsam Fir	Trace	Variable	Sapling

28 6129 - Mixed Coniferous Lowland Forest Poletimber Well 23.3 76 81-110 N/A Wide spectrum of hemlock diameters and regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	2	Pole	8		Maple (spp.)	Low	Variable	Sapling
Yellow Birch	3	Pole	8		Hemlock	Medium	Variable	Sapling
Hemlock	40	Pole/Sap/Log	8	76				
Black Spruce	3	Pole	7					
Tamarack	25	Pole	7					
Red Maple	7	Pole	8					
White Pine	20	XLog/Log	18	121				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29	4119 - Mixed Northern Hardwoods	Poletimber Well	10.7	69	51-80	N/A	Stand was added to Contract 41-039-13-01, Snowmobile Trail Beech through an amendment.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		2	Pole	8		Beech	
Yellow Birch		3	Pole	8		Balsam Fir	
White Spruce		1	Pole	7		Sugar Maple	
Red Maple		5	Pole	8			
Black Cherry		1	Pole	9			
Sugar Maple		87	Pole	8	69		
Quaking Aspen		1	Log/Pole	11			

30	4110 - Sugar Maple Association	Sawtimber Well	9.6	79	81-110	N/A	This stand contained an old research fertilization plot that is no longer active. The stand was thinned under contract TS #038-04 Badger Hole Hardwood.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Log/Pole	12		Sugar Maple	
Black Cherry		2	Pole/Log	9		Beech	
Sugar Maple		88	Log/Pole	12	79	Black Cherry	
Yellow Birch		5	Pole/Log	9			

31	500 - Water	Nonstocked	1.2		Unspecified	No	
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33	4110 - Sugar Maple Association	Sawtimber Well	62.5	76	81-110	N/A	41-013-13-01 Melstrand Mole HillsTCR: 8/28/16
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Beech		2	Pole/Log	8		Red Maple	
Sugar Maple		80	Log/Pole	10	76	Sugar Maple	
Black Cherry		10	Pole/Log	9		Beech	
Red Maple		7	Log/Pole	10			
Yellow Birch		1	Pole/Log	9			

34	4112 - Maple, Beech, Cherry Association	Sawtimber Well	148.6	76	111-140	N/A	Stand has entered M9. Most of the red maple is clustered between stand 39 and stand 42. Much of the beech has died off.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Pole/Log	9		Sugar Maple	
Hemlock		1	Log/Pole	11		Beech	
Yellow Birch		2	Pole	9		Balsam Fir	
White Pine		1	XLog	18		White Pine	
Sugar Maple		70	Log/Pole	10	76	Hemlock	
Black Cherry		4	Pole/Log	9			
Beech		2	Pole/Log	9			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35 4130 - Aspen Poletimber Well 116.2 38 1-50 N/A Aspen became the dominate species.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	65	Pole/Sapling	5	38	Balsam Fir	Medium	10 - 20 feet	Sapling
White Spruce	3	Pole/Sapling	5		Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	15	Pole/Sapling	5					
Yellow Birch	1	Sapling	3					
Red Maple	10	Sapling	2					
Black Cherry	2	Sapling/Pole	4					
Paper Birch	3	Sapling/Pole	4					
White Pine	1	Pole/Sapling	6					

36 4112 - Maple, Beech, Cherry Association Sawtimber Well 9.2 80 81-110 N/A 41-013-13-01 Melstrand Mole Hills
TCR: 8/28/16

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	9		Beech	High	5 - 10 feet	Sapling
Red Maple	94	Log/Pole	10	80	Balsam Fir	Trace	Variable	Sapling
Balsam Fir	1	Pole	7		Red Maple	High	< 5 feet	Sapling

37 6225 - Bog Nonstocked 1.0 Unspecified No

38 4110 - Sugar Maple Association Sawtimber Well 25.8 76 81-110 N/A This stand had TSI work done in '76 and was thinned under TS# 031-03 back in 2005.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole/Log	9		Black Cherry	Low	10 - 20 feet	Sapling
Red Maple	12	Log/Pole	11		Beech	Low	5 - 10 feet	Sapling
Sugar Maple	83	Log/Pole	11	76	Red Maple	Low	Variable	Sapling
					Sugar Maple	High	10 - 20 feet	Sapling

39 429 - Mixed Upland Conifers Sawtimber Well 12.9 96 81-110 N/A This is a dominantly white pine stand with various other conifer and hardwood species mixed in. It surrounds Lake Abby.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	7	Pole	5		White Pine	Low	Variable	Sapling
Balsam Fir	14	Pole	7		Beech	Low	Variable	Sapling
Black Cherry	4	Sapling/Pole	4		Red Maple	Low	>20 feet	Sapling
Yellow Birch	4	Pole	8		Balsam Fir	High	Variable	Sapling
White Pine	30	Log/Pole/XLog	16	96	Hemlock	Medium	Variable	Sapling
Red Maple	12	Pole	8					
Tamarack	3	Pole	9					
Beech	2	Pole	9					
Hemlock	24	Pole/Log/Sap	9					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40 4112 - Maple, Beech, Cherry Association Poletimber Well 44.2 72 81-110 N/A This stand consists mostly of poor quality red maple poles. BA is 81.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	1	Pole	6		White Pine	Trace	5 - 10 feet	Sapling
Red Maple	96	Pole/Sap/Log	9	72	Beech	Medium	10 - 20 feet	Sapling
Black Cherry	3	Pole	9		Balsam Fir	Trace	Variable	Sapling
					Red Maple	Medium	>20 feet	Sapling
					Hemlock	Trace	10 - 20 feet	Sapling
					Black Cherry	Medium	10 - 20 feet	Sapling
					Yellow Birch	Trace	10 - 20 feet	Sapling

41 500 - Water Nonstocked 7.7 Unspecified No

42 6225 - Bog Nonstocked 5.6 Unspecified No

43 4112 - Maple, Beech, Cherry Association Poletimber Well 46.9 60 51-80 N/A This stand was cut heavily in 1982 -1983. It has a very thick underbrush with poor quality red maple poles. Crown closure closer to 75%

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	4	Pole/Sapling	6		Red Maple	High	>20 feet	Sapling
Black Cherry	10	Pole/Sapling	7		Hemlock	Trace	10 - 20 feet	Sapling
Red Maple	80	Pole/Sap/Log	9	60	Beech	High	>20 feet	Sapling
Hemlock	1	Log/Pole	14		Black Cherry	Medium	>20 feet	Sapling
Balsam Fir	5	Pole/Sapling	6		Balsam Fir	Trace	Variable	Sapling
					Yellow Birch	Low	>20 feet	Sapling

44 500 - Water Nonstocked 1.7 Unspecified No

45 429 - Mixed Upland Conifers Sawtimber Well 15.0 75 51-80 N/A White pine has poor form. Aspen is recruiting as the next dominate species.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	3	Pole/Log	9		White Pine	Medium	Variable	Sapling
Balsam Fir	5	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Paper Birch	3	Pole/Sapling	6		Red Maple	Low	>20 feet	Sapling
White Pine	52	Log/Pole/Sap	10	75	Striped Maple	Low	10 - 20 feet	Sapling
Quaking Aspen	32	Pole/Sapling	6	39	Quaking Aspen	Medium	>20 feet	Sapling
Black Cherry	5	Sapling/Pole	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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46	4110 - Sugar Maple Association	Poletimber Well	34.8	64	111-140	N/A	Very consistent stand ready for thinning. A few large and dying aspen good wildlife trees.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	1	Pole	7	
Beech	1	Pole	8	
Red Maple	10	Pole	8	
Quaking Aspen	1	Log	16	
Balsam Fir	1	Pole	6	
White Spruce	1	Pole	8	
Sugar Maple	84	Pole	8	64
Black Cherry	1	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	< 5 feet	Seeding
Balsam Fir	Trace	Variable	Sapling
Beech	Medium	< 5 feet	Sapling

47	4112 - Maple, Beech, Cherry Association	Poletimber Medium	18.0	46	51-80	N/A	Poor quality stand slowly filling in.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	28	Pole/Sap/Log	7	
Balsam Fir	5	Pole/Sapling	5	
Beech	10	Pole/Sapling	7	
Black Cherry	9	Pole	7	
Yellow Birch	2	Pole	6	
White Pine	5	Pole/Sapling	7	
Sugar Maple	35	Pole	7	46
Paper Birch	6	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	10 - 20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling
White Spruce	Low	5 - 10 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Black Cherry	Low	5 - 10 feet	Sapling

48	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.5	75	81-110	N/A	This stand had TSI work done in 1983. 41-013-13-01 Melstrand Mole Hills TCR: 8/28/16
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	62	Log/Pole	10	75
Red Maple	30	Log/Pole	10	
Black Cherry	8	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Trace	10 - 20 feet	Sapling
Red Maple	High	< 5 feet	Sapling
Black Cherry	Low	5 - 10 feet	Sapling
Beech	Low	5 - 10 feet	Sapling
Sugar Maple	Low	5 - 10 feet	Sapling

51	4112 - Maple, Beech, Cherry Association	Sawtimber Well	47.3	77	81-110	N/A	41-013-13-01 Melstrand Mole Hills TCR: 8/28/16 The stand has just entered M9.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	8	
Yellow Birch	2	Pole	8	
Red Maple	38	Log/Pole	10	77
Black Cherry	15	Pole/Log	9	
Sugar Maple	33	Log/Pole	10	
White Pine	2	Log/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	< 5 feet	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling
Red Maple	High	< 5 feet	Seeding
Sugar Maple	Medium	< 5 feet	Seeding
Beech	Medium	< 5 feet	Sapling
Yellow Birch	Trace	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52 4112 - Maple, Beech, Cherry Association Sawtimber Well 14.8 74 111-140 N/A The hemlock is on the east edge of the stand. The yellow birch regen is concentrated in the west part of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	33	Log/Pole	10		Black Cherry	Low	10 - 20 feet	Sapling
Black Cherry	15	Log/Pole	11		Hemlock	Trace	5 - 10 feet	Sapling
Red Maple	45	Log/Pole	10	74	Red Maple	Medium	>20 feet	Sapling
Hemlock	2	Log/Pole	12		Beech	Trace	5 - 10 feet	Sapling
Beech	3	Log/Pole	10		Sugar Maple	Medium	>20 feet	Sapling
Balsam Fir	2	Pole/Sapling	6		Balsam Fir	Low	10 - 20 feet	Sapling
					Yellow Birch	Medium	>20 feet	Sapling

53 6225 - Bog Nonstocked 1.4 Unspecified No

54 6225 - Bog Nonstocked 8.1 Unspecified No

55 4112 - Maple, Beech, Cherry Association Poletimber Well 32.6 73 81-110 N/A This stand is located off of H-58. It contains hilly to rolling terrain. The stand was thinned in 2005 under T.S. # 031-03. Canopy is closed and BA averages 109.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	3	Log/Pole	10		Red Maple	High	< 5 feet	Sapling
Black Cherry	6	Log/Pole	10		White Pine	Trace	5 - 10 feet	Sapling
Yellow Birch	1	Log/Pole	10		Beech	Medium	5 - 10 feet	Sapling
Red Maple	35	Log/Pole	10		Sugar Maple	High	< 5 feet	Sapling
Sugar Maple	55	Log/Pole	10	73	Balsam Fir	Trace	Variable	Sapling
					Black Cherry	Low	10 - 20 feet	Sapling

56 3102 - Grass Nonstocked 1.2 Unspecified No

57 4112 - Maple, Beech, Cherry Association Poletimber Well 43.9 70 81-110 N/A This stand is composed of a mix of maple, beech, cherry, and fir. Records indicate that this stand had TSI work done in the 1980's.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	55	Pole	8	70	Black Cherry	Low	10 - 20 feet	Sapling
Black Cherry	10	Pole/Log	9		Beech	High	10 - 20 feet	Sapling
Beech	5	Pole	9		Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	13	Pole	6		Balsam Fir	Medium	>20 feet	Sapling
Sugar Maple	15	Pole	8		Sugar Maple	Low	10 - 20 feet	Sapling
White Pine	2	Log/Pole	16		White Pine	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58 4112 - Maple, Beech, Cherry Association Poletimber Well 34.6 70 81-110 N/A

Records indicate that this stand was thinned in 1996 and TSI work was done in the late 1960's. This stand is a red maple dominated stand with a mix of sugar maple, beech, and balsam fir. There are also scattered conifers in the overstory with a flush of beech regeneration underneath.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	50	Pole	9	70	Beech	High	10 - 20 feet	Sapling
White Spruce	3	Sapling/Pole	4		Red Maple	Medium	10 - 20 feet	Sapling
Beech	5	Pole	9		White Pine	Low	10 - 20 feet	Sapling
Hemlock	2	Sapling/Pole	4		Black Cherry	Low	10 - 20 feet	Sapling
Sugar Maple	15	Pole	9		Balsam Fir	Medium	>20 feet	Sapling
Balsam Fir	10	Pole/Sapling	6		Sugar Maple	Low	10 - 20 feet	Sapling
Black Cherry	10	Pole	9					
Yellow Birch	2	XLog/Log	16					
White Pine	3	Pole	9					

59 3102 - Grass Nonstocked 1.9 Unspecified No

Grassy area that is slowly filling in.

60 6116 - Lowland Birch Poletimber Well 22.2 79 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	65	Pole	8	79	Beech	Trace	< 5 feet	Sapling
Hemlock	2	Pole/Log	9		Red Maple	Medium	< 5 feet	Sapling
Red Maple	20	Pole	8					
Balsam Fir	5	Pole	6					
Northern White Cedar	8	Pole	8					

61 4113 - R.Maple, Conifer Poletimber Well 5.1 79 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	12	Pole	6		Red Maple	Medium	Variable	Sapling
Red Maple	70	Pole/Log	9	79	Hemlock	Trace	Variable	Sapling
White Pine	5	Log	14		Balsam Fir	Medium	Variable	Sapling
Paper Birch	5	Pole/Log	9					
Northern White Cedar	3	Pole/Log	9					
Hemlock	5	Log/Pole	12					

62 623 - Emergent Wetland Nonstocked 5.8 0 Unspecified No

63 4110 - Sugar Maple Association Sawtimber Well 0.7 98 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	95	Log/Pole	11	98	Sugar Maple	Low	Variable	Sapling
Balsam Fir	5	Pole	8		Balsam Fir	Low	Variable	Sapling