



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41183

Entry Year 2025

Acreage: 1,937

County Alger

Management Area: Grand Marais Moraine Complex

Stand Examiner: Mario Molin

Legal Description:

T.46N, R17W, Sections 1 – 3.

Identified Planning Goals:

Vegetative management in the Cusino Complex MA will provide various timber products; maintain or enhance wildlife habitat; protect unique areas (ERA, SCA) and threatened, endangered, and special concern species; and provide many recreational opportunities.

Soil and topography:

Greylock-Cookson fine sandy loams, Carbondale, Lupton, Tawas and Deford mucks and mucky peats. The compartment is within a Ground Moraine landform area. Topography is level to rolling.

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

State owned land surrounds the north, west and south sides of the compartment. The land to the east is owned by The Forest Land Group.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

this compartment is obligate winter deer range.

Watershed and Fisheries Considerations:

This compartment contains Star Creek. Star Creek is a designated Type 1 trout stream less than 50-foot wide and has a predicted mean July temperature of 60.4 °F (cold stream). A 300-foot buffer is recommended for Star Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Located in the Grand Marais end moraine and outwash ecological sub-subsection and on the north side of the Petrel Deer Yard, this compartment is a composite of cedar swamp with large hardwood islands. The circa 1850 lowland vegetation was dominated by cedar, hemlock, tamarack, and spruce. Uplands at that time held a mixture of sugar maple, hemlock, yellow birch, balsam fir and elm. Current vegetation appears to be similar in species composition to that of pre-settlement times. Wildlife habitat objectives include maintaining closed canopy cedar swamps for wintering deer, enhancing small upland openings within the forest, providing deciduous browse, and promoting structural and species diversity in the northern hardwood system. Wildlife species of special interest potentially utilizing this compartment include red-shouldered hawks, red-tailed hawks, and bobcat.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck and medium-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien (PdC) Group subcrops below the glacial drift. The PdC could be used for stone. The nearest gravel pit is to the south but there may be some potential in Section 2 & 3. There is no commercial oil and gas production in the UP.

Vehicle Access:

The petrel road cuts through the compartment north to south the west side of the compartment has fairly good access. The area of the compartment east of star creek is isolated with difficult access from the south.

Survey Needs:

None

Recreational Facilities and Opportunities:

There are no developed recreation facilities within this compartment.

Fire Protection:

Wildfire potential is low.

Additional Compartment Information:

The following reports from the Inventory are attached:

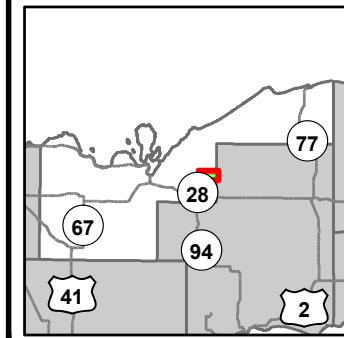
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

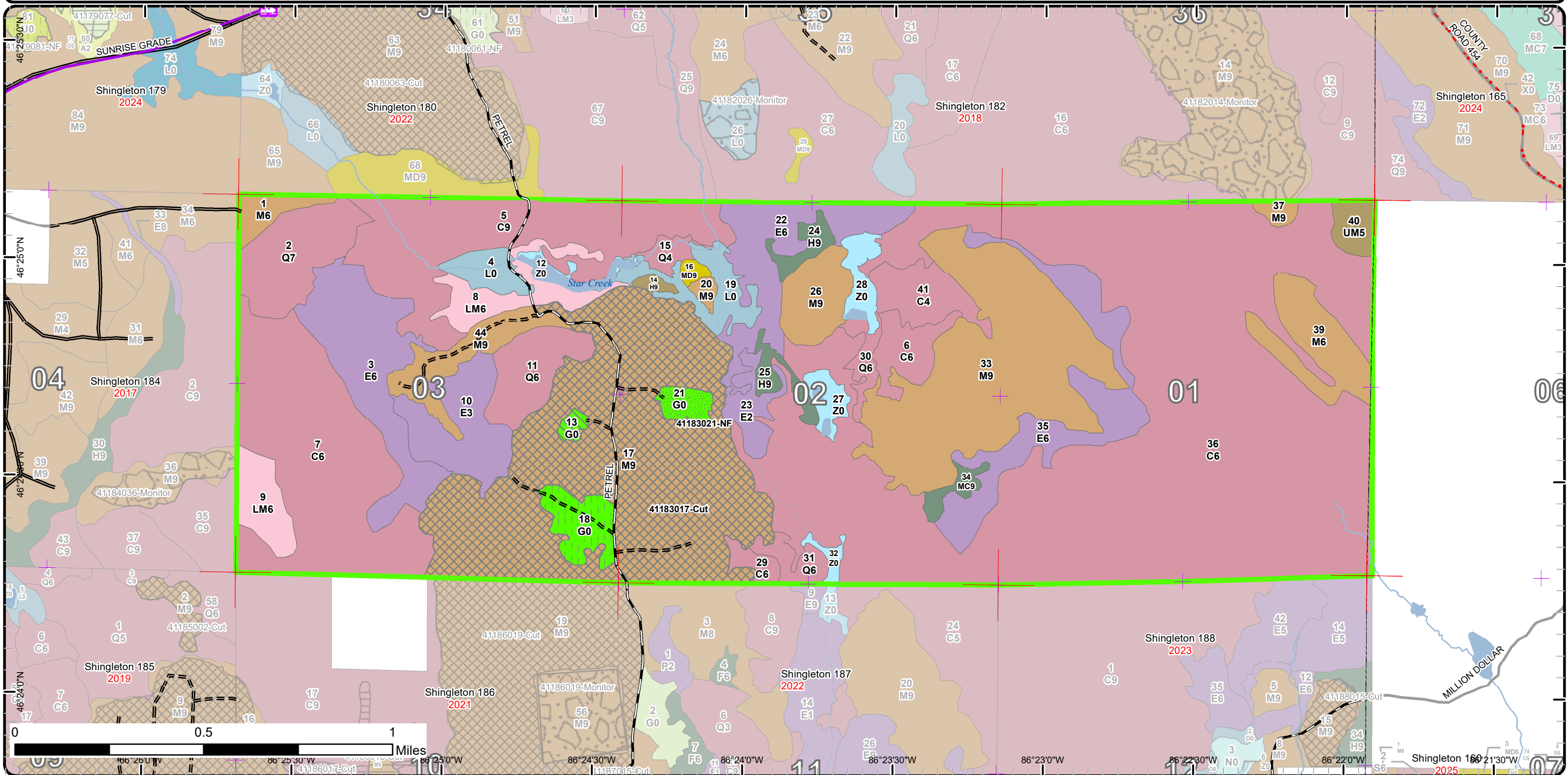
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 183
 T46N, R17W, Sec: 1-3
 County: Alger
 Unit: Shingleton
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2025
 Acres: 1936.7 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 8/22/2023
 Map Phase: Review

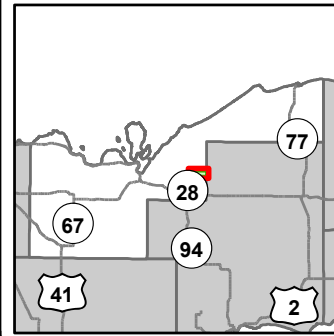


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Paved Road
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Other Harvest - See Comments
- Selection (Group, Single Tree)
- Opening Maintenance
- Mowing
- 411 - Northern Hardwood
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 211 - Cropland
- 500 - Water
- 622 - Lowland Shrub

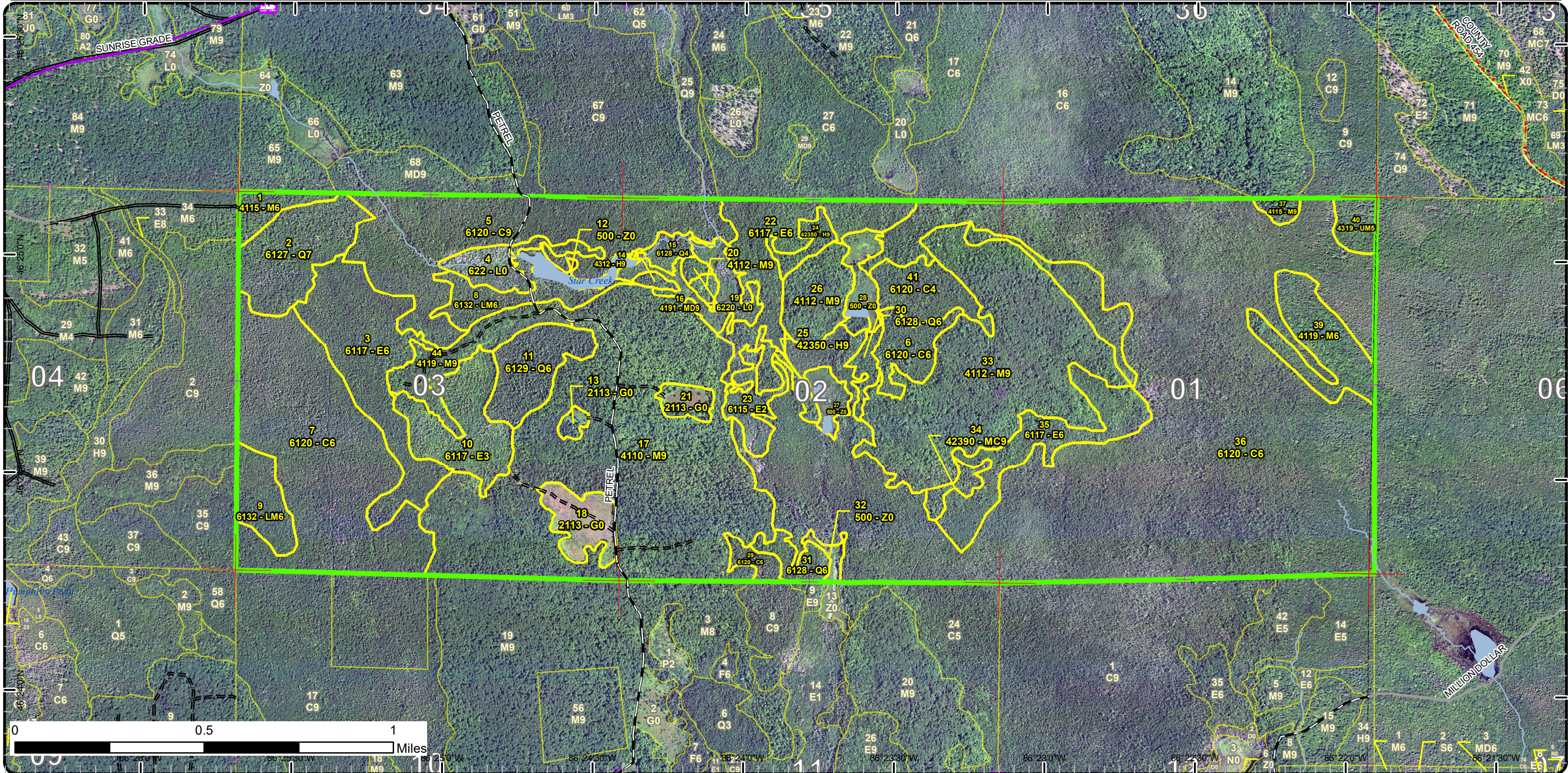


Stand Boundary Map

Compartment: 183
 T46N, R17W, Sec: 1-3
 County: Alger
 Unit: Shingleton
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2025
 Acres: 1936.7 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 8/22/2023
 Map Phase: Review

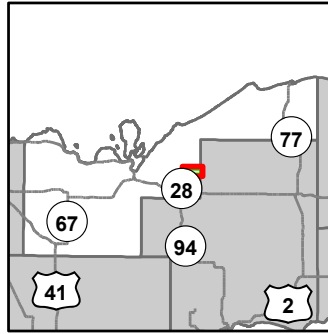


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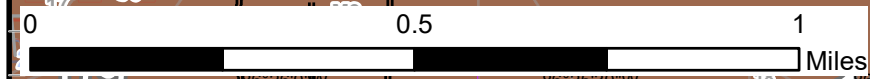
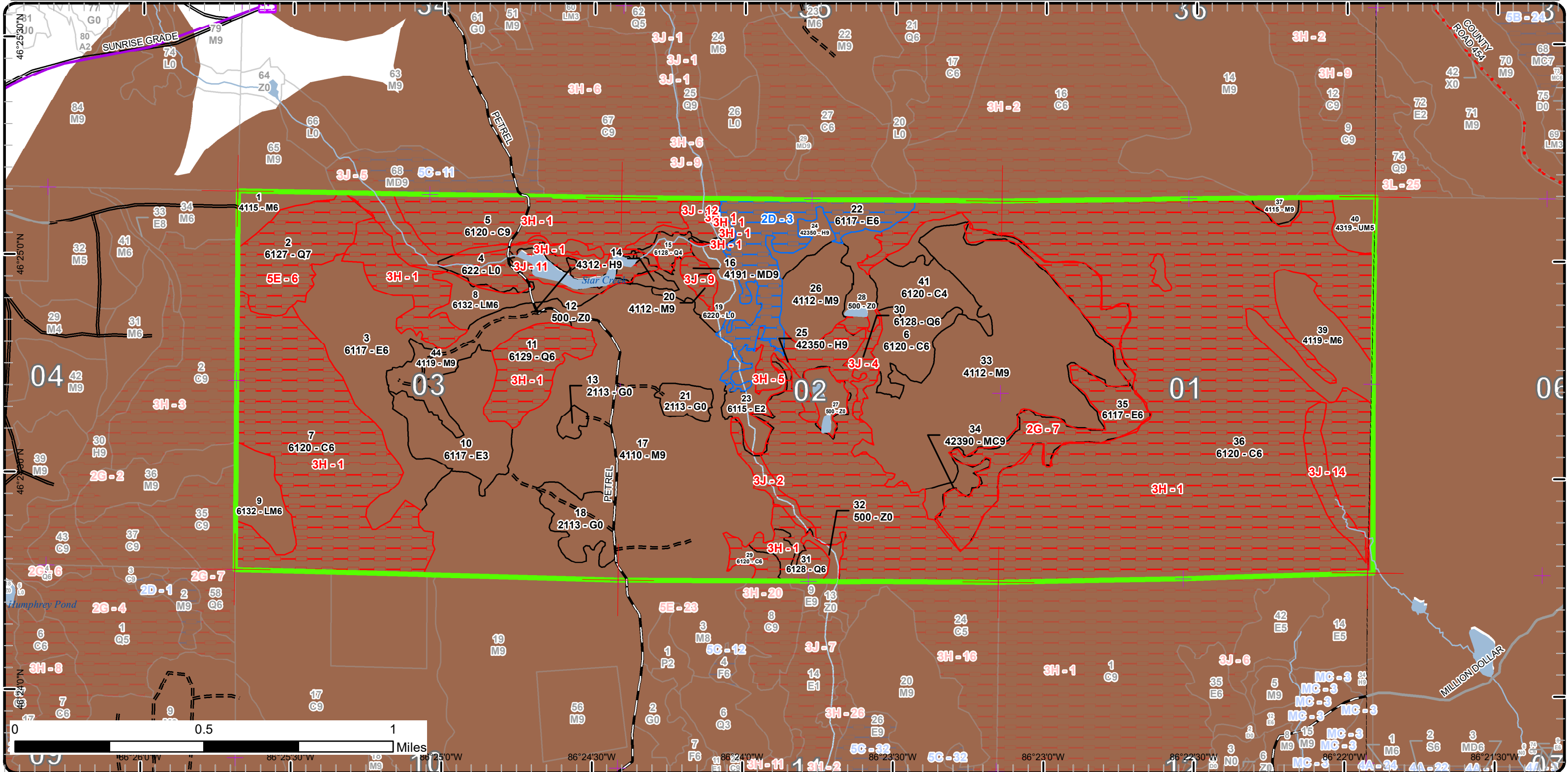


Special Conservation Areas

Compartment: 183
 T46N, R17W, Sec: 1-3
 County: Alger
 Unit: Shingleton
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2025
 Acres: 1936.7 GIS Calculated
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- Miris Corners
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- Counties
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- · - County - Gravel Road
- Private - Paved Road
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range



Map coordinates: 46°25'30"N, 86°24'30"W, 86°23'30"W, 86°22'30"W, 86°21'30"W

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
Cedar	0	0	0	0	0	0	0	0	0	0	41	0	622	261	0	0	0	0	923
Cropland	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Hemlock	0	0	0	0	0	0	0	0	0	7	2	0	0	0	0	0	0	8	17
Lowland Conifers	0	0	0	0	0	6	0	0	28	51	0	8	0	0	0	0	0	0	93
Lowland Deciduous	0	0	39	14	0	66	0	0	0	50	0	60	0	0	0	0	0	0	229
Lowland Mixed Forest	0	0	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	44
Lowland Shrub	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	0	0	0	0	0	482	39	0	0	0	0	0	0	0	0	521
Upland Conifers	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Water	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Total	90	0	39	14	0	66	6	0	10	563	189	0	690	261	0	0	0	8	1935



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 183
Total Compartment Acres: 1,937

Commercial Harvest - 270
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Cropland	0	0	0	0	0	0	0	0	3	3
Northern Hardwood	0	267	0	0	0	0	0	0	0	267
Total	0	267	0	0	0	0	0	0	3	270

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	270	0	0	0	0	0	0	0	26	296
Next Step	0	0	0	0	0	0	267	0	0	267
Total	270	0	0	0	0	0	267	0	26	562



S t a n d	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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Proposed Treatments:

13	41183013-Cut	3.0	2113 - Forage Crops	Nonstocked			Harvest	Other - Specify	2113 - Forage Crops		No
<p><u>Prescription</u> Include with stand 17 sale for opening maintenance. Cut all but oa and apple. <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
17	41183017-Cut	266.7	4110 - Sugar Maple Association	Sawtimber Well	89	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark down to 70/80BA. Some areas have good regen that needs to be released, other areas show little to no regeneration and need to have larger gaps made (75ft) on the ground. <u>Specs:</u></p> <p>No decking or skidding in openings 18 and 21</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Maple and other species. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											

Approved Treatments:

18	41183018-NF	18.4	2113 - Forage Crops	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Prescribed fire, herbicide, farming (dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming. Brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others. <u>Specs:</u></p> <p>No decking or skidding in opening</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> Under FTP W41-1272. <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/10/2025</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
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21	41183021-NF	7.4	2113 - Forage Crops	Nonstocked		NonForestMgt	Mowing	310 - Herbaceous Openland		No
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Prescription Specs: Prescribed fire, herbicide, farming (dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming. Brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

No decking or skidding in opening

Next Step Treatments:

Acceptable Regen:

Other Comment: Under FTP-W41-1504

Site Condition

Proposed Start Date: 10/10/2025

Total Treatment Acreage Proposed: 295.5

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 183

Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions					
		With Condition			2D	2G	3H	3J	5E	
923	51	0		871	Cedar		1	825	46	
29	29	0		0	Cropland					
18	10	0		8	Hemlock	0		8	0	
93	0	0		93	Lowland Conifers			38	14	41
230	123	50		57	Lowland Deciduous	50	56	1	0	
44	38	0		6	Lowland Mixed Forest				6	
32	19	0		14	Lowland Shrub	0			14	
2	0	0		2	Mixed Upland Deciduous				2	
521	517	0		4	Northern Hardwood	0	1	0	3	
6	6	0		0	Upland Conifers		0			
10	10	0		0	Upland Mixed Forest					
29	22	0		7	Water	0		1	7	
1,937	823	50		1,064	Total Forested Acres	50	58	873	92	41
	42%	3%		55%	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	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	865	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: RMZ to Star Creek.							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 183

Year of Entry: 2025

3	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments: In an obligate deer yard. Access will need a road through cedar types and a bridge.							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
6	Unavailable	5E: Long-Term Retention	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Overstory is long term retention.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	58	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 183

Mario Molin : Examiner

Year of Entry: 2025

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands. BMP issues accessing stand.							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	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



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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4115 - Y.Birch, Hemlock NH	Poletimber Well	10.3	94	51-80	N/A	This stand was set up in 2012 with stands in compartment 180. The sale name is Beaverville contract hardwood. TS # 41-029-12-01 - TS completed 12/10/13.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Yellow Birch					5	Log	12		Red Maple			Medium	5 - 10 feet	Sapling	
Beech					5	Log	12		White Spruce			Low	5 - 10 feet	Sapling	
White Spruce					15	Log	12		Hemlock			Medium	5 - 10 feet	Sapling	
Northern White Cedar					2	Pole	8								
White Pine					2	Log	14								
Balsam Fir					5	Pole	7								
Sugar Maple					6	Pole	8								
Hemlock					15	Log	12								
Red Maple					45	Pole	8	94							

2	6127 - Lowland Pine	Sawtimber Poor	41.0	94	1-50	N/A	Block 5 at high bend: TS:41-021-15-01
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Northern White Cedar					20	Pole	8		White Pine			Medium	5 - 10 feet	Sapling	
White Pine					80	XLog/Log	18	94	Red Maple			Low	5 - 10 feet	Sapling	
									Black Spruce			Low	5 - 10 feet	Sapling	
									Balsam Fir			Low	5 - 10 feet	Sapling	
									Hemlock			Low	5 - 10 feet	Sapling	

3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	66.3	48	1-50	N/A	There is much elm in the understory of this stand as well as some tag alder there is some older cedar and hemlock scattered throughout the stand.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Balsam Fir					10	Pole/Sapling	6		Balsam Fir			Medium	5 - 10 feet	Sapling	
Northern White Cedar					15	Pole/Log/Sap	8		Tag Alder			Medium	5 - 10 feet	Tall Shrub	
Red Maple					40	Pole	6	48	Black Ash			Medium	5 - 10 feet	Sapling	
American Elm					10	Pole/Sapling	5								
Hemlock					5	Pole/Log/Sap	7								
Black Spruce					5	Pole/Log/Sap	6								
Yellow Birch					10	Pole/Sap/Log	6								
Paper Birch					5	Pole/Log/Sap	6								

4	622 - Lowland Shrub	Nonstocked	11.9		Immature	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	Variable	Sapling
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5 6120 - Lowland Cedar Sawtimber Well 113.0 127 Unspecified N/A This stand is part of the petrel deer yard management area, this stand will managed with wildlife in mind.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sap/Log	8		Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	5	Pole/Sap/Log	8					
Black Ash	5	Pole/Sap/Log	8					
Northern White Cedar	81	Log	10	127				
Paper Birch	5	Pole/Sap/Log	8					
American Elm	2	Pole/Sap/Log	8					

6 6120 - Lowland Cedar Poletimber Well 17.8 95 1-50 N/A TS: Big Island Block unit 5.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	75	Pole	8	95	Red Maple	Medium	Variable	Sapling
Hemlock	25	Log	12		Black Ash	Medium	Variable	Sapling
					Sugar Maple	Medium	5 - 10 feet	Sapling

7 6120 - Lowland Cedar Poletimber Well 141.5 123 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log/Pole/XLog	12		Tag Alder	Low	< 5 feet	Tall Shrub
Hemlock	2	Pole/Log/Sap	8					
Paper Birch	2	Pole/Sap/Log	8					
Red Maple	2	Pole/Sap/Log	8					
Black Ash	2	Pole/Log/Sap	8					
Northern White Cedar	90	Pole/Sap/Log	8	123				

8 6132 - Mixed Lowland Forest with Cedar Poletimber Well 24.7 89 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	25	Pole/Sap/Log	8	89	Red Maple	Low	5 - 10 feet	Sapling
White Pine	2	Pole/Log/Sap	8		Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	15	Pole/Sap/Log	8					
Paper Birch	6	Pole/Sap/Log	8					
Balsam Fir	10	Pole/Sap/Log	8					
Yellow Birch	6	Pole/Log/Sap	8					
Black Ash	6	Pole/Sap/Log	8					
Tamarack	2	Pole/Log/Sap	8					
Red Maple	23	Pole/Sap/Log	8					
Hemlock	5	Pole/Sap/Log	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	19.0	83	1-50	N/A	This stand could be harvested due to poor access it should be held and cut when the adjacent hardwood in c 184 is cut.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole/Sap/Log	7		Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	5	Pole	7		Black Ash	Low	< 5 feet	Sapling
Northern White Cedar	32	Pole/Sap/Log	7		Black Spruce	Low	< 5 feet	Sapling
Paper Birch	33	Pole	8	83	Red Maple	Low	< 5 feet	Sapling
Sugar Maple	5	Pole	7					
White Pine	5	Pole	7					
Black Ash	10	Pole	7					

10	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	39.4	14	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	6	Sapling	2	
Sugar Maple	8	Sapling	2	
Black Ash	6	Sapling	2	
Black Spruce	8	Sapling	2	
Hemlock	4	Pole/Sap/Log	8	
Northern White Cedar	10	Pole/Log	8	
Paper Birch	10	Sapling	2	
Red Maple	48	Sapling	2	14

11	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	28.4	83	Unspecified	N/A	Stand should be looked at in snow free conditions to evaluate whether it should be cut now or be held for ten more years.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	10	Pole	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
Tamarack	30	Pole	7		Black Spruce	Low	5 - 10 feet	Sapling
Hemlock	5	Pole	7					
Black Spruce	35	Pole	7	83				
Balsam Fir	10	Pole	7					
Red Maple	5	Pole	7					
White Pine	5	Pole	7					

12	500 - Water	Nonstocked	6.7			No	
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13	2113 - Forage Crops	Nonstocked	3.0			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
14	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	2.3	93	Unspecified	N/A																																																	
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Hemlock	Medium	Variable	Sapling																																																				
15	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	6.1	55		N/A	Borderline Lowland Brush area vary wet with scattered trees and a lot of water.																																																
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16	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	2.4	85	171-200	N/A	Hemlock stand some hardwood and birch present this stand could be harvested if access is found.																																																
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17	4110 - Sugar Maple Association	Sawtimber Well	266.7	89	81-110	N/A	Cut under Contract 31-05 Petrol corner hardwood there are traces of red maple Ironwood and yellow birch in the stand. Should be able to be cut this stand again in 2025.																																																
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18	2113 - Forage Crops	Nonstocked	18.4			No	W41-1272-Stand Treatments "Petrel Dozer Opening": *opening was cleared of brush and stumps stand was then cultivated and planted to rye and other species for improvement of wildlife habitat. 2012. *Perimeter of opening was planted with Red Oak/Apple saplings, May 2016. *Re-farmed and planted with clover/rye. 2017. *Re-farmed, planted clover/rye, 2022. * Mowed 2014, 2015, 2016, 2018, 2019, 2020, 2021.																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19 6220 - Alder/willow Nonstocked 20.4 No

20 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.8 95 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	28	Log	14		Sugar Maple	Low	Variable	Sapling
Hemlock	5	Log	14		Beech	Low	Variable	Sapling
Red Maple	50	Log	14	95	Red Maple	Low	Variable	Sapling
Balsam Fir	3	Pole	8		Hemlock	Low	Variable	Sapling
Paper Birch	3	Pole	8		Balsam Fir	Low	Variable	Sapling
Yellow Birch	5	Log	14		White Spruce	Low	Variable	Sapling
Black Cherry	6	Log	12					

21 2113 - Forage Crops Nonstocked 7.4 Managed Opening
 W41-1504 stand treatments "Petrel Foundation":
 *Farmed and planted with rye 2012.
 *Re-farmed and planted with rye/clover, perimeter planted with red oak saplings 2013.
 *re-farmed and planted with clover/rye, 2017.
 *Mowed 2014, 2105, 2016, 2018, 2019, 2020, 2021.
 *Re-farmed, planted clover/rye, 2022.

22 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 50.0 93 1-50 N/A
 Low hardwood, conifer mix stand is surrounded by a couple of creeks and is very difficult to access trees look good and could be cut at some point if access can be found.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	20	Pole/Sap/Log	6		Red Maple	Medium	Variable	Sapling
Balsam Fir	5	Pole/Sap/Log	6		Paper Birch	Medium	Variable	Sapling
Black Spruce	5	Pole/Sap/Log	6		Black Ash	Medium	Variable	Sapling
American Elm	15	Sapling/Pole	4		Yellow Birch	Medium	Variable	Sapling
Black Ash	8	Sapling/Pole	4					
White Pine	2	Log/XLog/Pole	12					
Hemlock	10	Pole/Log	8					
Northern White Cedar	10	Pole/Sap/Log	6					
Red Maple	25	Pole/Sap/Log	8	93				

23 6115 - Lowland Ash Sapling Medium 13.9 25 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	100	Sapling	3	25



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 42350 - Upland Hemlock Sawtimber Well 7.4 85 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	4	Pole/Sap/Log	7		Hemlock	Medium	5 - 10 feet	Sapling
Hemlock	80	Log/XLog	16	85	Red Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	2	Pole/Sap/Log	7		Yellow Birch	Low	10 - 20 feet	Sapling
Black Spruce	4	Pole/Log/Sap	8					
Yellow Birch	4	Log	10					
Red Maple	6	Log/Pole/XLog	12					

25 42350 - Upland Hemlock Sawtimber Well 8.2 93 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Log/Pole/XLog	10		Red Maple	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Log/Pole/XLog	10		White Pine	Medium	5 - 10 feet	Sapling
Northern White Cedar	10	Log/Pole/XLog	10		Hemlock	Medium	5 - 10 feet	Sapling
Hemlock	70	Log/XLog/Pole	14	241				
Red Maple	10	Log/XLog/Pole	12					

26 4112 - Maple, Beech, Cherry Association Sawtimber Well 23.7 85 81-110 N/A

Hardwood stand, looks good harvest in 10-20 years depending on BA at that time.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole/Sap/Log	8		Sugar Maple	Medium	5 - 10 feet	Sapling
Beech	2	Log/Pole	12					
Hemlock	4	Log/XLog/Pole	13					
Sugar Maple	76	Log/XLog/Pole	13	85				
Yellow Birch	2	Log/Pole	10					
Red Maple	10	Pole/Sap/Log	9					
Northern White Cedar	2	Pole/Log/Sap	8					
Paper Birch	2	Log/Pole	10					

27 500 - Water Nonstocked 8.2 No

28 500 - Water Nonstocked 10.8 No

29 6120 - Lowland Cedar Poletimber Well 6.0 122 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	7		Red Maple	Low	Variable	Sapling
Northern White Cedar	96	Pole/Sap/Log	8	122				
Balsam Fir	2	Pole/Log	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 8.2 113 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
American Elm	2	Pole/Sapling	5	
Black Ash	6	Pole/Sapling	5	
Red Maple	15	Pole/Sapling	5	
Yellow Birch	5	Pole/Sapling	5	
Balsam Fir	25	Pole/Sapling	6	
Paper Birch	2	Pole/Sapling	5	
Northern White Cedar	18	Log/Pole	10	
Hemlock	25	Log/Pole/XLog	12	113
White Pine	2	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Hemlock	Medium	5 - 10 feet	Sapling

31 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 9.6 99 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log/Sap	8	
Paper Birch	10	Pole/Log/Sap	8	
Balsam Fir	10	Pole/Log/Sap	8	
Hemlock	30	Pole/Sap/Log	8	99
Black Ash	10	Pole/Sap/Log	8	
Northern White Cedar	30	Pole/Sap/Log	8	99

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Hemlock	Medium	Variable	Sapling
Black Ash	Medium	Variable	Sapling

32 500 - Water Nonstocked 3.3 No

33 4112 - Maple, Beech, Cherry Association Sawtimber Well 153.0 84 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Beech	2	Log	14	
Balsam Fir	2	Pole	8	
White Spruce	2	Log	10	
Northern White Cedar	2	Log/Pole	10	
White Pine	2	Log	14	
Sugar Maple	67	Log	14	84
Hemlock	6	Log	14	
Red Maple	15	Log	14	
Yellow Birch	2	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling
Yellow Birch	Medium	10 - 20 feet	Sapling
Silver Maple	High	10 - 20 feet	Sapling

Island in cedar swamp, The island is made up of sugar maple and other associated hardwood species. TS: Big Island Block units 1-4
TCR:9/2/2020



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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34 42390 - Mixed Non-Pine Upland Conifers Sawtimber Well 6.1 93 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Log/Pole/XLog	10		Red Maple	Medium	5 - 10 feet	Sapling
Hemlock	45	Log/XLog/Pole	12	93	Hemlock	Medium	5 - 10 feet	Sapling
Paper Birch	5	Pole/Log/Sap	8		Black Spruce	Medium	5 - 10 feet	Sapling
Red Maple	15	Log/Pole/XLog	10					
Yellow Birch	5	Log/Pole	10					
Northern White Cedar	10	Pole	8					

35 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 60.3 111 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	7		Red Maple	Medium	5 - 10 feet	Sapling
Black Spruce	10	Pole	7		Black Spruce	Low	5 - 10 feet	Sapling
Northern White Cedar	8	Pole	8		Black Ash	Medium	5 - 10 feet	Sapling
White Pine	4	Log	12					
Yellow Birch	8	Pole	8					
Paper Birch	5	Pole	7					
American Elm	15	Pole	6					
Black Ash	20	Pole	6	111				
Red Maple	20	Pole	7					

36 6120 - Lowland Cedar Poletimber Well 621.7 111 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole/Sap/Log	5		Northern White Cedar	Medium	10 - 20 feet	Sapling
Black Spruce	11	Pole/Sap/Log	5		Black Ash	Low	10 - 20 feet	Sapling
Tamarack	11	Pole/Sap/Log	5					
Balsam Fir	2	Pole/Sap/Log	5					
White Pine	2	Log/Pole	10					
American Elm	2	Pole/Sap/Log	6					
Hemlock	4	Pole/Sap/Log	8					
Yellow Birch	2	Pole/Sap/Log	8					
Black Ash	4	Pole/Sap/Log	6					
Northern White Cedar	60	Pole/Sap/Log	7	111				

This is a mixed lowland conifer stand with cedar being dominant; there are areas where the overstory is of poor quality with mortality. These areas have full stocking of cedar in the understory and low volumes so a harvest is not advisable. Other areas of this stand are well stocked cedar that looks good at this time. This stand is also part of the petrel deer yard management area, this stand will managed with wildlife in mind



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37	4115 - Y.Birch, Hemlock NH	Sawtimber Well	3.9	85	51-80	N/A	Cut with the stand to the north, continue to cut this with the stand to the north. 41-014-18 Kabooki Hardwoods Part of unit 4. TCR: 11/12/20
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/Pole/XLog	16	85	Red Maple	Low	5 - 10 feet	Sapling
Yellow Birch	3	Log/XLog/Pole	14		Beech	Low	5 - 10 feet	Sapling
Beech	2	Log/XLog/Pole	14		Balsam Fir	Low	5 - 10 feet	Sapling
Hemlock	20	Log/XLog/Pole	14		Sugar Maple	Full	5 - 10 feet	Sapling
Red Maple	25	Log/XLog/Pole	14					

39	4119 - Mixed Northern Hardwoods	Poletimber Well	34.8	89	81-110	N/A	2013: This stand was cut using a shelterwood in the past. The regeneration from the old harvest is just making pulp size the stand should be looked at for cutting in 20-30 years.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	36	Pole/Log/Sap	8	89	Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	36	Pole/Sap/Log	8	89	Balsam Fir	Medium	10 - 20 feet	Sapling
Yellow Birch	10	Pole/Log/Sap	8		Red Maple	Medium	10 - 20 feet	Sapling
Hemlock	8	Log	10					
Black Spruce	5	Pole/Log	8					
Balsam Fir	5	Pole/Sap/Log	7					

40	4319 - Mixed Upland Forest	Poletimber Medium	9.8	75	81-110	N/A	2013: Cut this stand when stands in adjacent compartments are ready in about 20 years.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole/Sap/Log	7	75	Black Spruce	Medium	Variable	Sapling
Northern White Cedar	5	Pole/Sap/Log	7		Balsam Fir	Full	Variable	Sapling
Paper Birch	10	Pole/Sap/Log	7		Yellow Birch	Low	Variable	Sapling
Black Spruce	30	Pole/Sap/Log	7	75	Red Maple	Medium	Variable	Sapling
Hemlock	20	Log/Pole/XLog	10					
White Pine	2	Log/XLog/Pole	12					
Yellow Birch	3	Pole/Sapling	7					

41	6120 - Lowland Cedar	Poletimber Poor	22.6	95	1-50	N/A	TS: Big Island Block unit 5.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	25	Log	12		Sugar Maple	Medium	5 - 10 feet	Sapling
Northern White Cedar	75	Pole	8	95	Black Ash	Medium	Variable	Sapling
					Red Maple	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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44 4119 - Mixed Northern Hardwoods Sawtimber Well 25.6 96 51-80 N/A

2023: Stand was initially split during sale prep. (cut in 2018) East 1/3 was removed, rest of stand was cut and now merged into one stand again.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	4	Log/Pole	12	
Balsam Fir	5	Pole/Log/Sap	8	
White Spruce	5	Pole/Log/Sap	8	
Hemlock	10	Log/Pole	12	
Black Cherry	5	Log/Pole	12	
Red Maple	35	Log/XLog/Pole	12	96
Paper Birch	6	Pole/Log	8	
Sugar Maple	30	Log/Pole/XLog	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	5 - 10 feet	Sapling
Hemlock	Low	5 - 10 feet	Sapling
Sugar Maple	Low	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling