



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41027

Entry Year 2024

Acreage: 1,660

County Schoolcraft

Management Area: Seney Manistique Swamp

Stand Examiner: Sheila Clark

Legal Description:

T44N R16W Sections 19, 20 & 21

Identified Planning Goals:

The Management Unit goals in this compartment include ensuring forest regeneration within the recently harvested and immature stands. Maintaining forest health is also a top priority in this compartment due to the amount of old mature jack pine stands while maintaining age class diversity. It is also a top priority to ensure that drainages remain free of debris and fill.

Soil and topography:

The soils within the compartment vary from well drained sands on the upland ridges to poorly drained sands on the lower ground. The topography within the area is flat with very little elevation difference. The upland ground is situated between lower drainages in a predominate northwest-southeast fashion. This compartment lies within two Land Type Associations (LTA's). The western 2/3 of this compartment lies within the Channel Fens South LTA and the eastern 1/3 lies in the Shingleton Fen LTA.

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

The compartment is mainly a contiguous block of state land. However, there are two isolated blocks of private land that are mainly used for hunting. The main roads in this unit are used extensively by the public to recreate. There are very few land use issues in the area.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

This compartment contains Stutts Creek and Bear Slough. Stutts Creek is a non-designated stream less than 50' width with a predicted mean July temperature of 65.5°F (cold stream). Bear Slough is a non-designated stream less than 50' width with a predicted mean July temperature of 61.7°F (cold stream). This compartment is adjacent to where elemental occurrences of Wood Turtle (State Special Concern) are documented. Forestry activities that occur from April 1 through October 31st (active period) should accommodate a 300' buffer along Stutts Creek and Bear Slough to protect Wood Turtle during nesting, post-nesting, and pre-hibernation periods. For forestry activities that occur outside of the active period, 100' plus 5' per 1% increase in slope; buffers are recommended for Stutts Creek and Bear Slough to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46o F. Annual snowfall in this area averages approximately 140 inches. The compartment falls within the Seney Manistique Swamp Management Area which highlights the following Featured Species: Moose, sharp-tailed grouse, snowshoe hare and white-tailed deer. The landscape within this compartment consists of low ridges separated by fingers of wetlands on a NW to SE orientation. General Land Office (GLO) Surveyor notes show the ridges were historically dominated by jack and red pine. White pine occurred at substantially lower densities. Deciduous species found on the ridges included aspen, white birch, and red maple. The lowlands within the compartment varied in vegetative cover. The wettest areas displayed an open marsh characteristic. Moderate water levels resulted in alder/willow habitat while conifers such as tamarack, spruce and jack pine grew in the wetland with the least amount of water. Windthrow, fire, and beaver ponding all likely played major roles in the natural disturbance regime. Current upland forests appear to have shifted from a jack pine/red pine codominant

system to a jack pine dominated system. Stand structure has been significantly altered with a higher representation of smaller younger trees. Lowland conifer stands are likely quite similar in species composition to those found during the 1850s. Wildlife habitat objectives include maintaining age and structural diversity between upland conifer stands and protecting the integrity of stream corridors. Moose (Michigan special concern) likely utilize the compartment but no other rare species have actually been recorded. Other wildlife species of interest that may utilize this compartment include garter snake, American toad, chipping sparrow, mourning warbler and little brown bat.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and minor peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Utica and Collingwood Shales and Trenton Limestone subcrop below the glacial drift. The Trenton is used for stone/dolomite. The nearest gravel pit is located in Section 29 and potential appears to be limited. A clay pit is located 5 miles to the southeast. There is no commercial oil and gas production in the UP.

Vehicle Access:

Access to the eastern portion of the compartment is good with a main road running either side of Stutts Creek. The western portion of the compartment is very limited there are numerous old closed logging roads that are growing in with trees; access in these areas is limited to foot travel.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There are no recreational facilities in this area. The recreational opportunities are mainly hunting and blueberry picking, the Stutts does offer some fishing possibilities, see the fisheries comments above.

Fire Protection:

This resource was once dominated by large catastrophic fires before large scale suppression efforts came into play. Today the areas with poor access are mainly young healthy stands with minimal fuel loading. Response time to the eastern portion of the compartment will be fairly quick with adequate detection efforts.

Additional Compartment Information:

The following reports from the Inventory are attached:

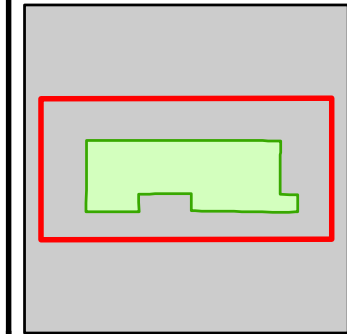
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

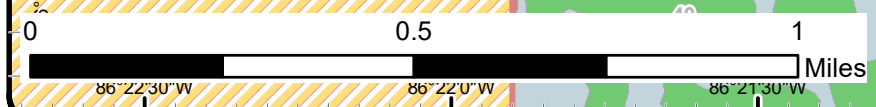
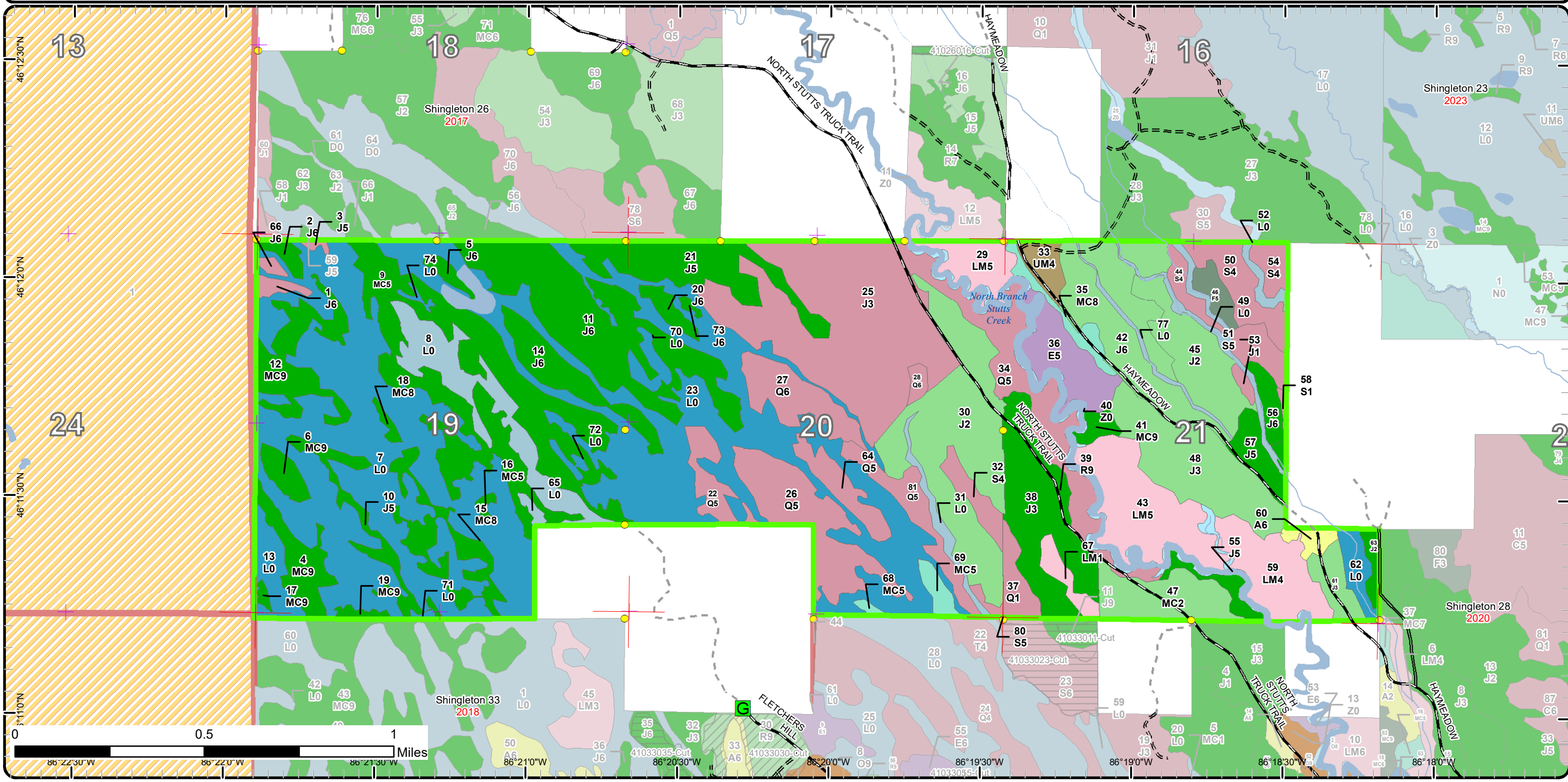
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 27
 T44N, R16W, Sec: 19-21
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2024
 Acres: 1660 GIS Calculated
 Examiner: Sheila Clark
 Map Revised: 8/17/2022
 Map Phase: Web Post



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Private - Dirt / Gravel Road
- G Gate
- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

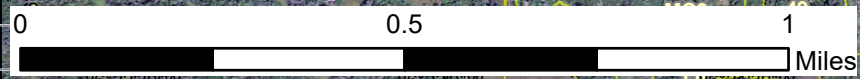
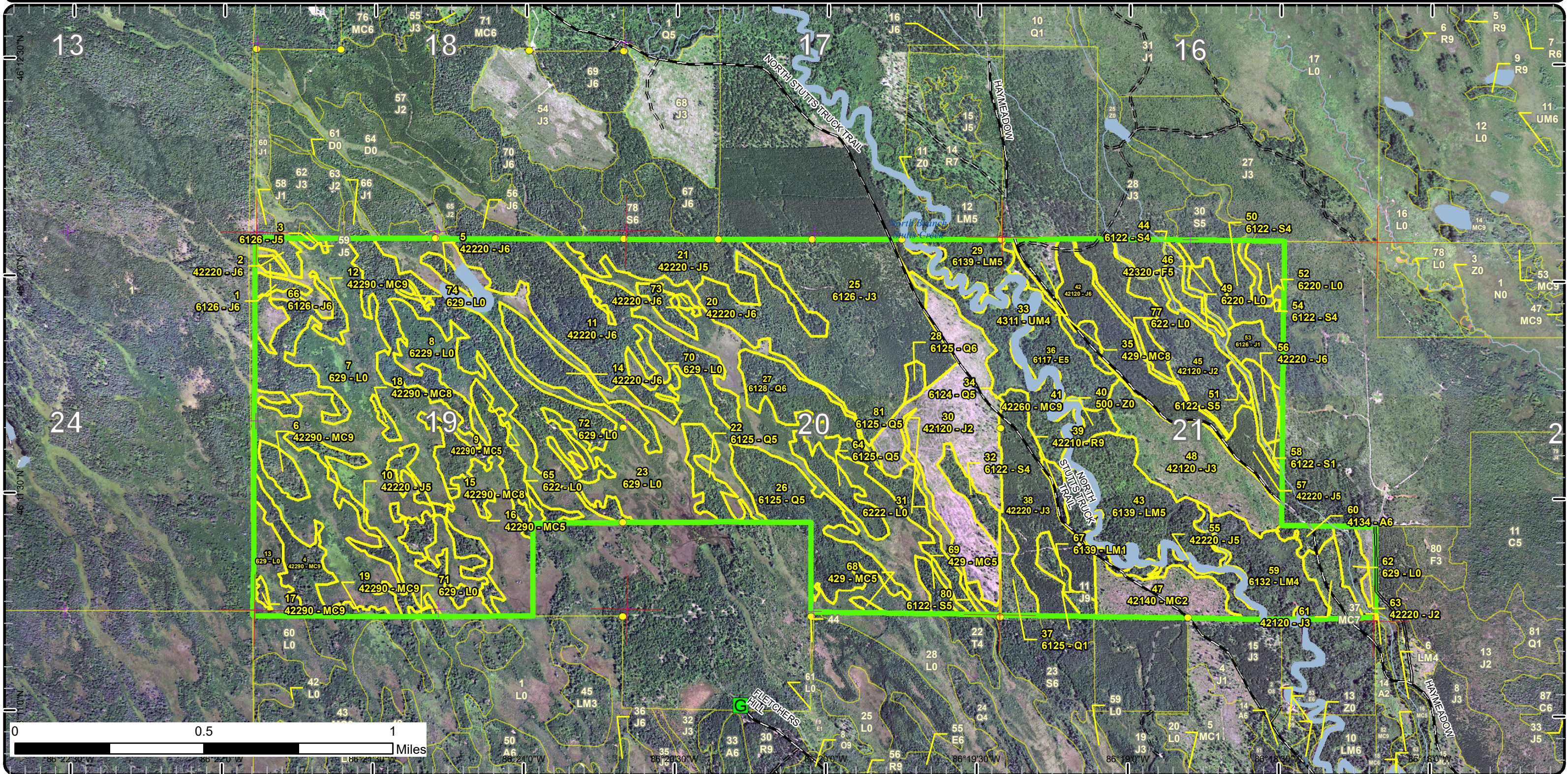


Stand Boundary Map

Compartment: 27
 T44N, R16W, Sec: 19-21
 County: Schoolcraft
 Unit: Shingleton
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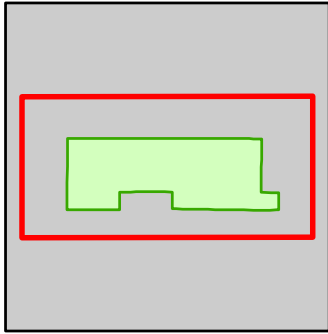


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
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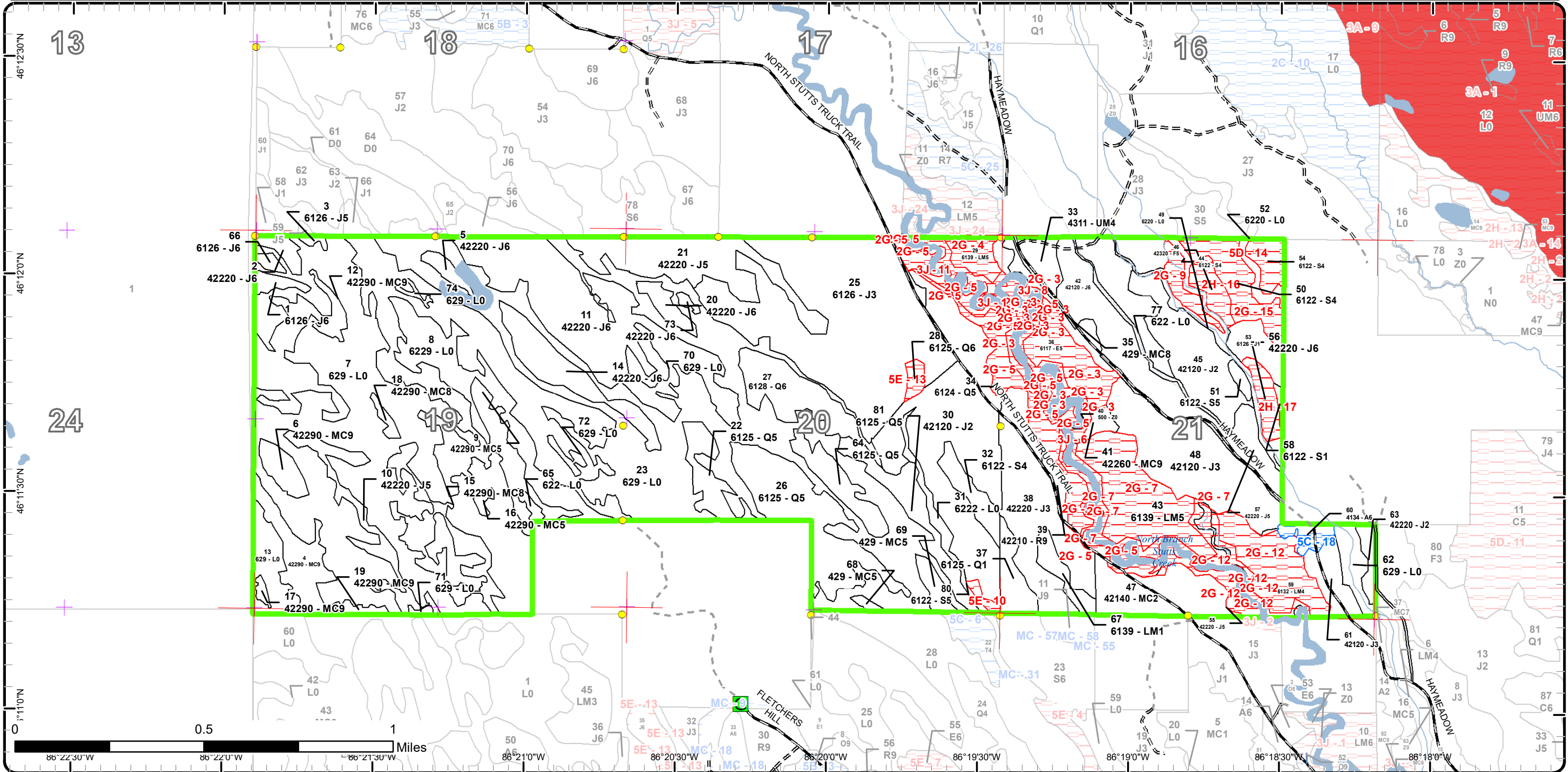


Special Conservation Areas

Compartment: 27
 T44N, R16W, Sec: 19-21
 County: Schoolcraft
 Unit: Singleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2024
 Acres: 1660 GIS Calculated
 Examiner: Sheila Clark
 Map Revised: 8/17/2022
 Map Phase: Web Post



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- DNR - Forest Access Route
- Private - Dirt / Gravel Road
- G Gate
- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams



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	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
Jack Pine	0	79	53	238	99	113	0	0	7	0	7	0	0	0	0	0	0	0	595
Lowland Conifers	0	0	0	9	85	0	3	0	16	0	0	44	0	0	0	0	0	0	157
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	25
Lowland Mixed Forest	0	0	0	7	0	0	0	0	0	0	45	46	0	0	0	0	0	0	98
Lowland Shrub	476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	476
Lowland Spruce/Fir	0	0	0	1	0	0	10	0	2	24	6	0	0	0	0	0	0	0	43
Natural Mixed Pines	0	0	0	0	100	0	0	0	75	5	0	0	0	0	0	0	0	0	180
Planted Mixed Pines	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Red Pine	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	0	1	0	5	0	0	0	8	0	0	0	0	0	0	0	14
Upland Mixed Forest	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	6
Water	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Total	500	79	80	263	285	118	18	0	100	36	94	90	0	0	0	0	0	0	1661



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2024

Compartment 27
Total Compartment Acres: 1,660

Acres of Harvest

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

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Mgt. Unit

Report 3 -- Treatments

Compartment:

Year of Entry:



Treatment
Name

Acres

Stand
CoverType

Size
Density

Stand
Age

BA
Range

Treatment
Type

Treatment
Method

Cover Type
Objective

Age
Structure

Habitat
Cut

Total Treatment
Acreage Proposed: 0

Report 4 – Site Conditions

Shingleton Mgt. Unit
Sheila Clark : Examiner

Compartment: 27
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		5C	2G	2H	3J	5D	5E	
5	0	5	0	Aspen	5						
595	582	0	13	Jack Pine		0	7	7			
157	111	0	46	Lowland Conifers		23		21			3
25	0	0	25	Lowland Deciduous		18		7			
98	9	0	88	Lowland Mixed Forest		68		21			
476	476	0	0	Lowland Shrub		0					
44	11	0	32	Lowland Spruce/Fir		24			7	2	
179	178	0	1	Natural Mixed Pines				1			
27	27	0	0	Planted Mixed Pines							
3	3	0	0	Red Pine							
14	14	0	0	Upland Conifers							
8	8	0	0	Upland Mixed Forest							
7	0	0	7	Upland Spruce/Fir			7				
24	21	0	3	Water				3			
1,660	1,439	5	216	Total Forested Acres	5	132	13	59	7	5	
	87%	0%	13%	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	3J: Water quality / BMPs (stream, river, or lake)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Buffer along Stutts Creek.							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Sheila Clark : Examiner

Compartment: 27
Year of Entry: 2024

4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Too wet and poorly stocked.							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Sheila Clark : Examiner

Compartment: 27
Year of Entry: 2024

10	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5D: Unproductive Forest Land	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is too small to justify the amount of work to harvest it. Poor quality and low ground.							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5D: Unproductive Forest Land	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Sheila Clark : Examiner

Compartment: 27

Year of Entry: 2024

16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Need to harvest with another compartment whenever possible.							

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

Mgt. Unit

Compartment:

Year of Entry



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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
1	6126 - Lowland Jack Pine	Poletimber Well	3.2	38	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>Jack Pine</td> <td>75</td> <td>Pole/Sapling</td> <td>5</td> <td>38</td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	75	Pole/Sapling	5	38	Black Spruce	25	Pole/Sapling	5											
Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	75	Pole/Sapling	5	38																												
Black Spruce	25	Pole/Sapling	5																													
2	42220 - Natural Jack Pine	Poletimber Well	3.9	38	81-110	N/A																										
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Canopy Species	% Cover	Size Class	DBH	Age																												
Black Spruce	10	Pole/Sapling	5																													
Red Pine	10	Pole/Sapling	5																													
Jack Pine	80	Pole/Sapling	5	38																												
3	6126 - Lowland Jack Pine	Poletimber Medium	1.0	38	81-110	N/A																										
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4	42290 - Natural Mixed Pine	Sawtimber Well	16.3	71	81-110	N/A																										
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5	42220 - Natural Jack Pine	Poletimber Well	3.4	38	111-140	N/A																										
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7	629 - Mixed non-forested wetland	Nonstocked	208.9			No																										
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Sub-Canopy Species	Density	Avg. Height	Size																													
Black Spruce	Low	10 - 20 feet	Pole																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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8 6229 - Mixed lowland shrub Nonstocked 34.9 No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	Medium	10 - 20 feet	Sapling

9 42290 - Natural Mixed Pine Poletimber Medium 98.1 38 51-80 N/A Stand was cut in 1984. whole nest side cut.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole/Sapling	5	
Red Pine	10	Pole/Sapling	5	
White Pine	5	Pole	6	
Bigtooth Aspen	10	Pole/Sapling	5	
Jack Pine	55	Pole/Sapling	7	38
Paper Birch	5	Pole/Sapling	5	
Tamarack	5	Pole/Sapling	5	

10 42220 - Natural Jack Pine Poletimber Medium 14.2 38 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	60	Pole/Sapling	6	38
Tamarack	5	Pole/Sapling	6	
Red Pine	10	Pole/Sapling	5	
Paper Birch	5	Pole/Sapling	6	
Black Spruce	15	Pole/Sapling	5	
White Pine	5	Log	14	

11 42220 - Natural Jack Pine Poletimber Well 76.4 49 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Pole/Sapling	5	
Jack Pine	80	Pole	8	49
Black Spruce	15	Pole/Sapling	5	

12 42290 - Natural Mixed Pine Sawtimber Well 25.7 71 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	40	Pole	6	38
Red Pine	50	Log/Pole	12	71
White Pine	5	Log	14	
Black Spruce	5	Pole/Sapling	6	

13 629 - Mixed non-forested wetland Nonstocked 13.5 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14 42220 - Natural Jack Pine Poletimber Well 19.9 38 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	75	Pole/Sapling	6	38
Black Spruce	15	Pole/Sapling	5	
Red Pine	10	Pole/Sapling	5	

15 42290 - Natural Mixed Pine Sawtimber Medium 20.8 78 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	25	Log	14	78
White Pine	20	Log	14	
Black Spruce	15	Pole	8	
Bigtooth Aspen	10	Pole/Sapling	6	
Jack Pine	30	Log	16	78

16 42290 - Natural Mixed Pine Poletimber Medium 1.4 38 51-80 N/A Stand was cut in 1984.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole/Sapling	5	
Tamarack	5	Pole/Sapling	5	
Jack Pine	55	Pole/Sapling	7	38
Bigtooth Aspen	10	Pole/Sapling	5	
Black Spruce	10	Pole/Sapling	5	
Red Pine	10	Pole/Sapling	5	
White Pine	5	Pole	6	

17 42290 - Natural Mixed Pine Sawtimber Well 1.2 71 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	7	Log	14	
Tamarack	8	Pole	8	
Jack Pine	30	Pole	8	71
Black Spruce	20	Pole	8	
Red Pine	35	Log	14	71

18 42290 - Natural Mixed Pine Sawtimber Medium 1.9 78 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	15	Pole	8	
White Pine	20	Log	14	
Bigtooth Aspen	10	Pole/Sapling	6	
Red Pine	25	Log	14	78
Jack Pine	30	Log	16	78



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
19	42290 - Natural Mixed Pine	Sawtimber Well	2.3	71	81-110	N/A																										
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20	42220 - Natural Jack Pine	Poletimber Well	5.3	38	111-140	N/A																										
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Black Spruce	15	Pole/Sapling	5																													
Jack Pine	80	Pole/Sapling	7	38																												
21	42220 - Natural Jack Pine	Poletimber Medium	37.2	49	141-170	N/A																										
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Jack Pine	75	Pole	8	49																												
22	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	11.7	36	111-140	N/A	mixed upland lowland. Stand was cut in 1986.																									
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Tamarack	20	Pole	6																													
Bigtooth Aspen	10	Pole	6																													
Jack Pine	30	Pole/Sapling	6	36																												
Black Spruce	40	Pole/Sapling	6	36																												
23	629 - Mixed non-forested wetland	Nonstocked	175.7			No																										
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Tamarack	Low	10 - 20 feet	Sapling																													
Black Spruce	Low	10 - 20 feet	Pole																													
25	6126 - Lowland Jack Pine	Sapling Well	119.8	25	111-140	N/A	First Martin sale, 410569401																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Black Spruce	30	Sapling/Pole	4																													
Tamarack	15	Sapling/Pole	4																													
White Pine	5	Sapling/Pole	4																													
Jack Pine	50	Sapling/Pole	4	25																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	39.1	36	111-140	N/A	mixed upland lowland. Stand was cut in 1986.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	40	Pole/Sapling	6	36
Jack Pine	30	Pole/Sapling	6	36
Bigtooth Aspen	10	Pole	6	
Tamarack	20	Pole	6	

27	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	22.0	34	111-140	N/A	mixed upland and lowland
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	30	Pole	6	
Jack Pine	10	Pole/Sapling	5	
Black Spruce	35	Pole/Sapling	5	34
Red Maple	15	Pole/Sapling	5	
Paper Birch	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	Tall Shrub

28	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	2.8	56	81-110	N/A	2022 - This is was originally part of stand 30, but was left as retention during set up.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	45	Pole/Sapling	6	56
Red Pine	10	Log/Pole	12	
Black Spruce	45	Pole/Sapling	6	56

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	< 5 feet	Seeding
Tag Alder	Low	5 - 10 feet	Tall Shrub

29	6139 - Mixed Lowland Forest	Poletimber Medium	14.7	97	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	8	
Quaking Aspen	5	Pole	8	
Black Ash	15	Pole	5	
White Pine	20	Log/Pole	10	
Balsam Fir	15	Pole	6	
Black Spruce	20	Pole	8	97
Red Maple	20	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	Medium	5 - 10 feet	Sapling
Tag Alder	High	5 - 10 feet	Tall Shrub

30	42120 - Planted Jack Pine	Sapling Medium	79.2	3	Immature	N/A	Stand was cut as part of the Cranberry Pine Sale # 41-10-14-01. TCR Date 11/19/2014. 10/1/2018: Regeneration check was in fall 2018. Plots taken showed 405 trees per acre, most of this regeneration was closer to the road. Large area to the south is mostly grass without trees. Stand is being placed on the list to trench and plant with treatment boundary adjustments. Portions of stand were trenched in summer 2019. Stand was planted in spring 2020, 996 trees per acre. 11/10/2020 AP: Regen check conducted in fall 2020. 1222 jack pine, 683 other species.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Sapling	1	
Black Spruce	15	Sapling	1	
Tamarack	5	Sapling	1	
Red Pine	10	Sapling	1	
Jack Pine	65	Sapling	1	3

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	< 5 feet	Seeding
Red Pine	Low	< 5 feet	Seeding
White Pine	Low	< 5 feet	Seeding
Jack Pine	Medium	< 5 feet	Seeding



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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31 6222 - Shrub-Carr Nonstocked 6.3 No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub

32 6122 - Black Spruce Poletimber Poor 8.4 58 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole/Sapling	5					
Jack Pine	5	Pole/Sapling	6					
Balsam Fir	10	Pole	6					
Black Spruce	55	Pole	6	58				

33 4311 - Pine, Aspen Mix Poletimber Poor 8.1 28 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	25	Pole	6	
Jack Pine	15	Sapling/Pole	4	
Red Pine	10	Sapling/Pole	4	
Quaking Aspen	50	Pole/Sapling	5	28

34 6124 - Lowland Spruce-Fir Poletimber Medium 43.6 106 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	20	Log	12	106	Red Maple	Medium	10 - 20 feet	Sapling
Black Spruce	20	Pole	8		Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	15	Pole	8		Black Ash	Medium	10 - 20 feet	Sapling
Northern White Cedar	5	Log	17		Tag Alder	High	< 5 feet	Tall Shrub
Black Ash	10	Pole/Sapling	5					
Balsam Fir	20	Pole	6					
Paper Birch	10	Pole	9					

35 429 - Mixed Upland Conifers Sawtimber Medium 7.5 90 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	20	Log	14		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	15	Pole/Log	9		Black Spruce	Low	5 - 10 feet	Sapling
Red Maple	10	Pole	6		Quaking Aspen	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole	6					
White Pine	35	Log	16	90				
Black Spruce	10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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36 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 24.8 90 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Pole	6	
Black Spruce	15	Pole	6	
Balsam Fir	10	Pole	6	
Northern White Cedar	10	Log/Pole	10	
White Pine	5	Log	14	
Paper Birch	10	Pole	8	
Black Ash	15	Pole	6	
Red Maple	20	Pole	9	90

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub

37 6125 - Lowland Black Spruce, Jack Pine Sapling Poor 9.2 26 Immature N/A Stand was cut, lower ground - didn't regenerate as well.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	40	Sapling	4	
Tamarack	5	Sapling	2	
Jack Pine	45	Sapling	4	26
Red Maple	5	Sapling	3	
Quaking Aspen	5	Sapling	2	

38 42220 - Natural Jack Pine Sapling Well 45.6 26 141-170 N/A Jack pine with supercanopy of red and white pine. Stand was scarified.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Log	16	
White Pine	10	Log	16	
Jack Pine	75	Sapling/Pole	4	26
Quaking Aspen	5	Sapling	2	

39 42210 - Natural Red Pine Sawtimber Well 3.4 90 51-80 N/A no change

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole	6	
White Pine	10	Log	15	
Jack Pine	15	Pole	8	
Red Maple	5	Pole	6	
Red Pine	65	Log	16	90

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	5 - 10 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling
Beech	Low	5 - 10 feet	Sapling

40 500 - Water Nonstocked 23.7 No Stutts Creek



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
41	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	4.6	87	81-110	N/A																																																								
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42	42120 - Planted Jack Pine	Poletimber Well	49.8	28	81-110	N/A	Stand was cut in 1993, regeneration was poor and planted in 1994. A slough runs through the middle of the stand from north to south.																																																							
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White Pine	20	Sapling	4																																																											
Quaking Aspen	10	Sapling	4																																																											
43	6139 - Mixed Lowland Forest	Poletimber Medium	45.9	102	51-80	N/A																																																								
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44	6122 - Black Spruce	Poletimber Poor	6.2	90	51-80	N/A																																																								
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45	42120 - Planted Jack Pine	Sapling Medium	36.6	38	51-80	N/A	Slough runs through northern portion.																																																							
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46	42320 - Upland Spruce	Poletimber Medium	6.5	85	111-140	N/A	This is higher ground than adjacent spruce stand.																																																							
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47	42140 - Planted Mixed Pine	Sapling Medium	26.6	11	Immature	N/A																																		
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48	42120 - Planted Jack Pine	Sapling Well	48.1	11	Immature	N/A	Stand passed regeneration count.																																	
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49	6220 - Alder/willow	Nonstocked	9.6			No																																		
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50	6122 - Black Spruce	Poletimber Poor	17.5	82	1-50	N/A																																		
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51	6122 - Black Spruce	Poletimber Medium	2.0	71	51-80	N/A																																		
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52	6220 - Alder/willow	Nonstocked	3.7			No																																		
53	6126 - Lowland Jack Pine	Sapling Poor	9.1	38	Unspecified	N/A	Regeneration looks good for lowland.																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54	6122 - Black Spruce	Poletimber Poor	6.8	82		N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		80	Pole	5	82	Black Spruce	
Tamarack		10	Pole	5		Density	
Jack Pine		10	Pole	5		Avg. Height	
						Size	
						Sapling	

55	42220 - Natural Jack Pine	Poletimber Medium	6.6	92	81-110	N/A	Buffer along Stutts Creek.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	8		Tag Alder	
Black Spruce		3	Pole	6		Density	
Tamarack		2	Pole	8		Avg. Height	
Red Pine		20	Log/Pole	13		Size	
White Pine		10	Log	14		Tall Shrub	
Jack Pine		60	Pole	8	92		

56	42220 - Natural Jack Pine	Poletimber Well	6.8	73	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		15	Log/Pole	12			
White Pine		5	Log/Pole	10			
Black Spruce		15	Pole	6			
Jack Pine		65	Pole	8	73		

57	42220 - Natural Jack Pine	Poletimber Medium	11.7	26	141-170	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		5	Pole/Sapling	5			
White Pine		3	Pole	8			
Jack Pine		90	Pole/Sapling	5	26		
Red Pine		2	Pole	8			

58	6122 - Black Spruce	Sapling Poor	1.1	20	1-50	N/A	Small jack pine and black spruce coming up.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		85	Sapling	4	20	Black Spruce	
Jack Pine		15	Sapling	1		Density	
						Avg. Height	
						Size	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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59 6132 - Mixed Lowland Forest with Cedar Poletimber Poor 30.3 97 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	20	Pole	5		Balsam Fir	Medium	5 - 10 feet	Sapling
Paper Birch	10	Pole	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Quaking Aspen	10	Pole	6					
Northern White Cedar	25	Pole	9					
Black Spruce	25	Pole	8	97				
Red Maple	10	Pole	9					

60 4134 - Aspen, Spruce/Fir Poletimber Well 4.8 48 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	40	Pole	6	48
Balsam Fir	25	Pole	5	
White Spruce	5	Pole	8	
Red Maple	30	Pole	6	

61 42120 - Planted Jack Pine Sapling Well 10.5 20 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Pole	6	
White Pine	5	Pole	5	
Black Spruce	10	Sapling	3	
Tamarack	5	Sapling/Pole	4	
Bigtooth Aspen	10	Pole	6	
Jack Pine	65	Sapling/Pole	4	20

62 629 - Mixed non-forested wetland Nonstocked 8.2 No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	High	10 - 20 feet	Pole
Black Ash	Medium	10 - 20 feet	Pole
Red Maple	Medium	5 - 10 feet	Pole
Quaking Aspen	Medium	10 - 20 feet	Pole
Tag Alder	Full	5 - 10 feet	Tall Shrub
White Pine	Medium	5 - 10 feet	Pole

63 42220 - Natural Jack Pine Sapling Medium 4.5 15 Immature N/A

FTP C41-1163
Tsale 41-012-04-01

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	70	Sapling/Pole	3	15
Black Spruce	20	Sapling	2	
White Pine	5	Sapling/Pole	2	
Red Maple	5	Pole/Sapling	5	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
64	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	12.2	36	111-140	N/A	mixed upland lowland.																																
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Tag Alder	Medium	5 - 10 feet	Tall Shrub																																				
65	622 - Lowland Shrub	Nonstocked	1.8	0		No																																	
66	6126 - Lowland Jack Pine	Poletimber Well	1.6	38	81-110	N/A																																	
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67	6139 - Mixed Lowland Forest	Sapling Poor	6.7	26	81-110	N/A	This stand was cut the same time as the jack pine stand 38. It is lower ground and more aspen and lower ground.																																
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68	429 - Mixed Upland Conifers	Poletimber Medium	1.2	36	51-80	N/A	mixed upland and lowland																																
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70	629 - Mixed non-forested wetland	Nonstocked	5.4	0		No																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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71	629 - Mixed non-forested wetland	Nonstocked	0.8	0		No	
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72	629 - Mixed non-forested wetland	Nonstocked	1.9	0		No	
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73	42220 - Natural Jack Pine	Poletimber Well	1.0	38	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	80	Pole	7	38
Black Spruce	20	Pole/Sapling	5	

74	629 - Mixed non-forested wetland	Nonstocked	1.1	0		No	
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77	622 - Lowland Shrub	Nonstocked	3.9	0	Unspecified	No	Drain.
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80	6122 - Black Spruce	Poletimber Medium	1.8	59	81-110	N/A	This stand was originally part of stand 30, but is now the long term retention for the cut.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	50	Pole	8	59	White Pine	Low	5 - 10 feet	Sapling
Red Maple	20	Pole/Sapling	6					
Jack Pine	5	Pole	8					
Tamarack	10	Pole	8					
White Pine	15	Log/Pole	12					

81	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	16.3	75	Unspecified	N/A	mixed upland and lowland
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	25	Log/Pole	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	10	Pole/Sapling	6		Red Maple	Medium	5 - 10 feet	Sapling
Tamarack	15	Pole	8		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	45	Pole	8	75				
Jack Pine	5	Pole	8					