



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41071

Entry Year 2025

Acreage: 1,625

County Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Steve Touvila

Legal Description:

T42N, R15W, Sections 1, 12-13

Identified Planning Goals:

Timber, wildlife, recreation, and fisheries are the main uses of this area. The goal is to manage for all uses simultaneously and to provide, enhance and perpetuate their uses through proper management. Proposed forest treatments will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat.

Soil and topography:

The general topography in the area is flat open marshes mixed with rolling upland ridges of pine throughout the majority of the compartment. However, the southern portion of the compartment near the Manistique River is a floodplain. The soils in the area range from poorly drained organics in the low areas to well drained sands on the ridges of pine. The northern portion of the compartment lays in the Manistique Sloughs/Muskeg Land Type Association (LTA) and the southern portion resides in the Stutts Creek Sands LTA.

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

The compartment contains all contiguous state land. Land use in the area is limited to hunters and people on the Manistique River.

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:

The southern border of this compartment is within the Manistique River Corridor. There are several old sloughs and wetland plant species scattered through these stands.

Watershed and Fisheries Considerations:

This compartment contains the Main Branch Manistique River and Clemons Creek. The Main Branch Manistique River and Clemons Creek are non-designated streams less than 50-foot wide and have predicted mean July temperatures that range from 59.3 to 69.4 °F (cold and cool streams). 100-foot, plus 5 feet per 1% increase in slope, buffers are recommended for these waterbodies to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Located within the Seney sand lake plain sub-section this compartment is bounded on the south by the Manistique River. The landscape is dominated by marsh/pine ridge systems. The first surveyors noted the uplands within the marshes contained primarily red and white pine. Along the river, upland forests were a mix of sugar maple, beech, hemlock, oak, and balsam fir. Lowland deciduous forest contained red maple, elm, hemlock, white birch. Most of the area adjacent to the Manistique River is likely similar in species composition to the pre-settlement forest. The pine ridges within the marsh complex have largely been converted to jack pine. The wildlife habitat objectives in this compartment include maintaining an old growth travel corridor along the Manistique River, protecting the integrity of the marsh complexes, and promoting age and structural diversity within the conifer forests away from the river.

Wildlife species of special interest potentially utilizing this compartment include gray wolf, Kirtland's warbler, and yellow rail.

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. The nearest known active sand/gravel pit is just over two miles east, and production of crushed stone from bedrock dolostone is occurring two miles east and southeast of the compartment. The compartment is dominated by wetlands, which would inhibit any significant surface mining. No current mineral leasing activity exists in the area, and there are no notable prospects for mineral development in the area of the compartment at this time.

Vehicle Access:

This compartment can be accessed by the Letson Road. Vehicle access stops in the middle of Section 1. There is a network of logging roads and skid trails that are in the northern part of the compartment. They are not useable year-round. The interior of the compartment is best accessed during the winter months on snowmobile.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

There are no developed recreation facilities within this compartment.

Fire Protection:

The marsh/pine ridge system is susceptible to wildfire especially during drought conditions.

Additional Compartment Information:

The following reports from the Inventory are attached:

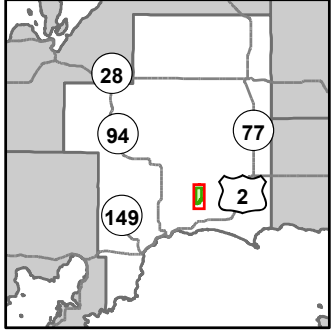
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

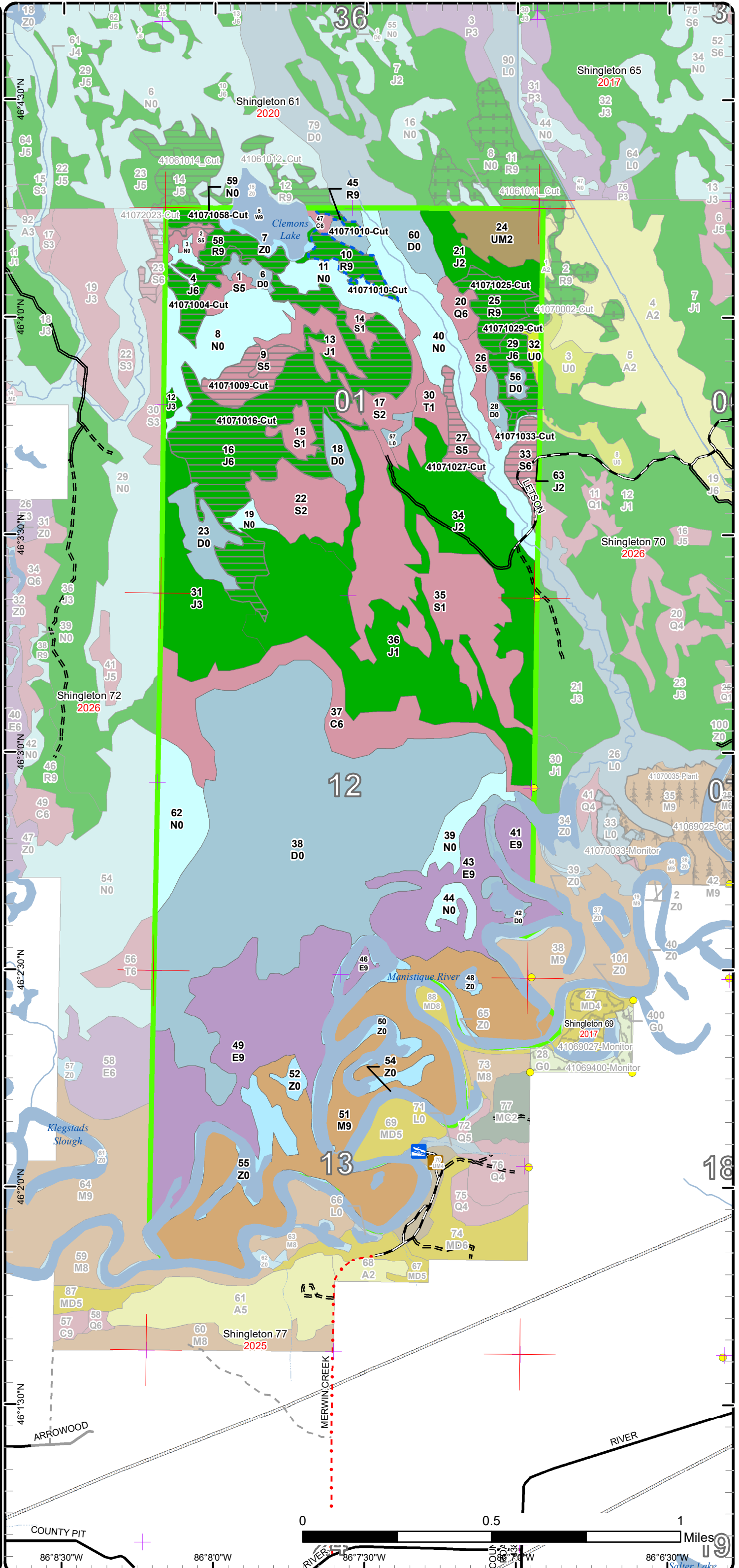
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 71
 T42N, R15W, Sec: 1, 12, 13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Lake Plain
 YOE: 2025
 Acres: 1625.1 GIS Calculated
 Examiner: Steve Touvila
 Map Revised: 8/21/2023
 Map Phase: Review

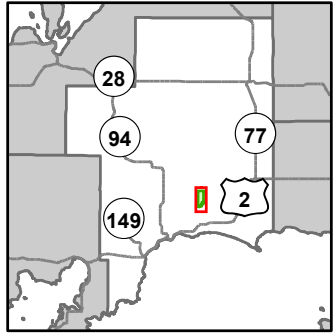


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- Private - Paved Road
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Boating Access Site
- ▲ Campground
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

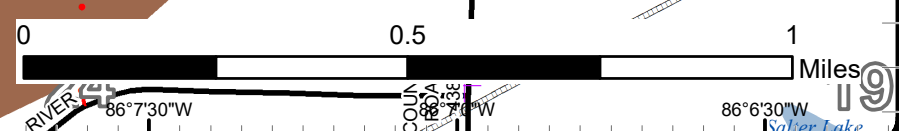
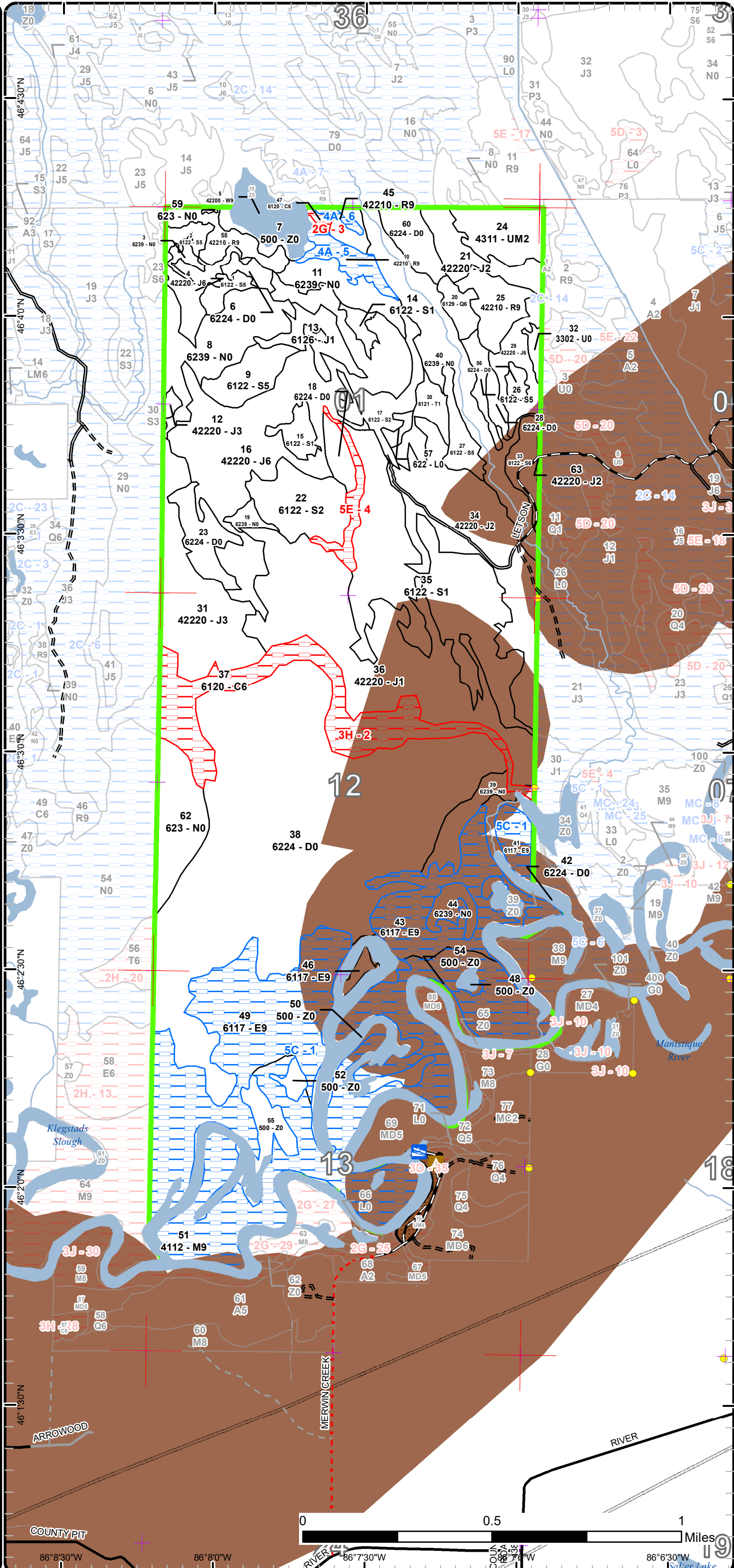


Special Conservation Areas

Compartment: 71
 T42N, R15W, Sec: 1, 12, 13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Lake Plain
 YOE: 2025
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- Miris Corners
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- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Boating Access Site
- Campground
- Pipeline
- Compartment Boundary
- Available w/ Constraints
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Deer Winter Range
- Boat Access Site
- State Forest Campground



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	0	0	2	0	0	57	0	0	59
Jack Pine	0	0	183	62	0	0	0	0	135	0	0	0	0	0	0	0	0	0	380
Low-Density Trees	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	0	7	0	0	0	0	0	0	0	0	7
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	166	0	0	0	0	0	0	166
Lowland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Spruce/Fir	0	0	0	0	113	26	5	0	6	29	9	0	0	0	0	0	0	0	188
Marsh	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151
Northern Hardwood	0	0	0	0	0	0	0	0	0	146	0	0	0	0	0	0	0	0	146
Red Pine	0	0	0	0	0	0	0	0	0	15	12	0	0	0	12	0	0	0	39
Tamarack	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Treed Bog	355	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	355
Upland Mixed Forest	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Water	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Total	611	0	202	62	123	26	5	0	141	197	21	166	2	1	12	57	0	0	1626



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 71
Total Compartment Acres: 1,625

Commercial Harvest - 188
Harvests with Site Condition - 11
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Jack Pine	127	0	0	0	0	0	0	0	0	127
Lowland Spruce/Fir	34	0	0	0	0	0	0	0	0	34
Red Pine	38	0	0	0	0	0	0	0	0	38
Total	199	0	0	0	0	0	0	0	0	199

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	199	0	0	0	0	0	0	0	0	199
Next Step	0	281	127	0	0	0	453	0	0	861
Total	199	281	127	0	0	0	453	0	0	1059



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:

2	41071002-Cut	1.5	6122 - Black Spruce	Poletimber Medium	83	51-80	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees. Acreage may vary due to ground conditions. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> black spruce, jack pine, red pine, white pine, tamarack, balsam fir <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>											
4	41071004-Cut	11.5	42220 - Natural Jack Pine	Poletimber Well	77	Unspec ified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees. Acreage may vary depending on ground conditions. Leave retention in appropriate area per work instructions. <u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) <u>Treatments:</u></p> <p><u>Acceptable</u> jack pine, black spruce, red pine, tamarack, balsam fir, aspen <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>											
9	41071009-Cut	13.2	6122 - Black Spruce	Poletimber Medium	83	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention all merchantable trees. Leave retention per work instructions. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> black spruce, tamarack, jack pine, white pine, red pine <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>											



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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
10 41071010-Cut	10.8	42210 - Natural Red Pine	Sawtimber Well	135	81-110	Harvest	Clearcut	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut all merchantable trees. Leave a few scattered red and white pine for seed source. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> red pine, jack pine, white pine, aspen, balsam fir, black spruce <u>Other Comment:</u> Access to this treatment and to stand 12 in compartment 41061 will likely need to be freezing across stand 11 and stand 40. There are BMP issues with a drainage from the lake in between stands 58 and 10 and then again within stand 10 in between the two treatment areas in this stand 10. <u>Site Condition</u> No Markets <u>Proposed Start Date:</u> 10/1 /2024</p>										
16 41071016-Cut	101.9	42220 - Natural Jack Pine	Poletimber Well	70	111-140	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees. Retention has been agreed upon and identified on the map. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial <u>Treatments:</u> Regen(1yr); Monitoring, Artificial Regen(3yr) <u>Acceptable Regen:</u> jack pine, red pine, white pine, black spruce, aspen <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
25 41071025-Cut	14.8	42210 - Natural Red Pine	Sawtimber Well	81	111-140	Harvest	Clearcut with Retention	4221 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees and leave retention per work instructions. Leave 10-20 BA red pine/white pine as a seed source. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> red pine, white pine, quaking aspen, paper birch, jack pine, black spruce, balsam fir <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
27 41071027-Cut	9.1	6122 - Black Spruce	Poletimber Medium	96	51-80	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees. Don't cut cedar or hemlock. No retention is needed. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> black spruce, tamarack, jack pine, paper birch, cedar, hemlock, balsam fir <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</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
29 41071029-Cut	13.7	42220 - Natural Jack Pine	Poletimber Well	77	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees and leave retention per work instructions. Don't cut red pine and white pine to leave as a seed source.</p> <p><u>Specs:</u> The long-term retention areas are suggested as these areas contain young black spruce. Another place to leave retention is along part of the UO stand where there is a steep side slope going down to younger black spruce.</p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial</p> <p><u>Treatments:</u> Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> jack pine, white pine, red pine, black spruce, aspen, balsam fir</p> <p><u>Other Comment:</u> Scarification won't likely be an option in the northern part of the stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
33 41071033-Cut	9.9	6122 - Black Spruce	Poletimber Well	81	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees. Don't cut red pine and white pine. No retention needed due to small acreage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> black spruce, tamarack, red pine, white pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
58 41071058-Cut	12.1	42210 - Natural Red Pine	Sawtimber Well	90	141-170	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees with retention per work instructions. Leave 10-20 BA red pine/white pine as a seed source. Try to protect the existing regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> red pine, white pine, jack pine, black spruce, balsam fir, aspen</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
23 41072023-Cut	6.8	6122 - Black Spruce	Poletimber Well	59	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut all merchantable trees. Leave a few scattered red pine/white pine for seed source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> black spruce, jack pine, red pine, tamarack, aspen</p> <p><u>Other Comment:</u> There's enough upland in the north and central part of the stand to scarify a portion of the stand to help promote jack pine and red pine regeneration in this area.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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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Total Treatment Acreage Proposed: 205.3

Report 4 – Site Conditions

Shingleton Mgt. Unit
Steve Touvila : Examiner

Compartment: 71
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		4A	5C	2G	3H	5E
59	0	0	59	Cedar			2	57	
380	372	0	8	Jack Pine					8
3	3	0	0	Low-Density Trees					
7	7	0	0	Lowland Conifers					
166	3	163	0	Lowland Deciduous		163			
2	2	0	0	Lowland Shrub					
188	188	0	0	Lowland Spruce/Fir					
151	151	0	0	Marsh					
146	0	146	0	Northern Hardwood		146			
39	27	11	0	Red Pine	11				
10	10	0	0	Tamarack					
355	355	0	0	Treed Bog		0			
19	19	0	0	Upland Mixed Forest					
100	100	0	0	Water					
1	1	0	0	White Pine					
1,625	1,238	321	67	Total Forested Acres	11	309	2	57	8
	76%	20%	4%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	309	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	57	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Steve Touvila : Examiner

Compartment: 71
Year of Entry: 2025

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wildlife corridor excluded from clearcut.							
5	Available	4A: No Markets Available for these Forest Products	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	4A: No Markets Available for these Forest Products	2	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	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		
1	6122 - Black Spruce	Poletimber Medium	4.8	55	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		90	Pole/Sapling	5	55	Black Spruce	Medium	>20 feet	Sapling
Jack Pine		10	Pole	6					
2	6122 - Black Spruce	Poletimber Medium	4.6	83	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		90	Pole/Sapling	7	83	Black Spruce	Medium	>20 feet	Sapling
Jack Pine		5	Pole/Sapling	7					
Red Pine		5	Pole/Log	9					
3	6239 - Mixed Emergent Wetland	Nonstocked	2.9		Unspecified	No			
Sub-Canopy Species		Density	Avg. Height	Size					
Tamarack		Low		Seeding					
Black Spruce		Trace		Seeding					
Tag Alder		Medium		Tall Shrub					
4	42220 - Natural Jack Pine	Poletimber Well	11.5	77	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		15	Log/Pole	15		Black Spruce	Low	Variable	Sapling
Black Spruce		20	Pole	8					
Jack Pine		65	Pole	8	77				
5	42200 - Natural White Pine	Sawtimber Well	1.1	123	81-110	N/A	Small island in Clemens Lake		
Canopy Species		% Cover	Size Class	DBH	Age				
Black Spruce		5	Pole/Sapling	7					
White Pine		95	Log/XLog/Pole	16	123				
6	6224 - Treed Bog	Nonstocked	4.2	0	Unspecified	No			
Sub-Canopy Species		Density	Avg. Height	Size					
Black Spruce		Medium	5 - 10 feet	Sapling					
7	500 - Water	Nonstocked	14.4		Unspecified	No	Clemons Lake.		
8	6239 - Mixed Emergent Wetland	Nonstocked	36.0		Unspecified	No			
9	6122 - Black Spruce	Poletimber Medium	14.3	83	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		5	Pole	8		Black Spruce	Low	>20 feet	Sapling
Black Spruce		95	Pole	8	83				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10	42210 - Natural Red Pine	Sawtimber Well	9.8	135	81-110	N/A	Tall and large diameter red pine and white pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	80	XLog/Log	18	135	Black Spruce	Low	Variable	Sapling
Northern White Cedar	5	Pole	8		Red Pine	Low	10 - 20 feet	Sapling
Jack Pine	5	Log/Pole	11		White Pine	High	10 - 20 feet	Sapling
Black Spruce	5	Pole	7					
White Pine	5	XLog/Log	22					

11	6239 - Mixed Emergent Wetland	Nonstocked	15.3		Unspecified	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace		Seeding
Tag Alder	Medium		Tall Shrub
Tamarack	Low		Seeding

12	42220 - Natural Jack Pine	Sapling Well	1.7	24	Unspecified	N/A	Stand was part of the West Branch Reserve sale. Stand was cut in multiple winters. Treated under FTP C41-765.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	90	Sapling	4	24
Black Spruce	10	Sapling	2	

13	6126 - Lowland Jack Pine	Sapling Poor	12.7	25	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	48	Sapling	2		Black Spruce	Low	< 5 feet	Sapling
White Pine	2	Sapling	2		Jack Pine	Low	< 5 feet	Sapling
Jack Pine	50	Sapling	3	25				

14	6122 - Black Spruce	Sapling Poor	3.7	30	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Sapling	3	
Jack Pine	20	Sapling	3	
Black Spruce	70	Sapling	2	30

15	6122 - Black Spruce	Sapling Poor	6.5	30	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	85	Sapling	3	30	Black Spruce	Low	< 5 feet	Sapling
White Pine	5	Sapling	3		White Pine	Low	< 5 feet	Sapling
Jack Pine	10	Sapling/Pole	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
16	42220 - Natural Jack Pine	Poletimber Well	109.7	70	111-140	N/A																																													
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17	6122 - Black Spruce	Sapling Medium	15.0	30	1-50	N/A	There's some variability in the black spruce diameter.																																												
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18	6224 - Treed Bog	Nonstocked	6.6		Unspecified	No																																													
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19	6239 - Mixed Emergent Wetland	Nonstocked	3.4	0	Unspecified	No																																													
20	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	6.6	85	Unspecified	N/A	South half of the stand contains most of the cedar. The northern 1/4 of the stand contains younger black spruce and tamarack.																																												
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21	42220 - Natural Jack Pine	Sapling Medium	16.0	12	Immature	N/A	Stand was originally set up and sold as part of the Which Way Do We Go Sale. Stand was returned to the state by the purchaser due to poor market conditions. The TCR date was 7/23/2007. The sale was resold and on contract again as 41-02-08. The sale was cut in the winter 2011. TCR date 8/31/2011. There are a few natural low open areas.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
22	6122 - Black Spruce	Sapling Medium	25.5	40	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		10	Sapling/Pole	4		Black Spruce	Low	Variable	Sapling
Black Spruce		90	Sapling/Pole	3	40	Jack Pine	Low	Variable	Sapling
23	6224 - Treed Bog	Nonstocked	14.6		Unspecified	No			
Sub-Canopy Species		Density	Avg. Height	Size					
Jack Pine		Low		Sapling					
Black Spruce		Medium		Sapling					
24	4311 - Pine, Aspen Mix	Sapling Medium	19.3	12	1-50	N/A	Stand was originally set up and sold as part of the Which Way Do We Go Sale. Stand was returned to the state by the purchaser due to poor market conditions. The TCR date was 7/23/2007. The sale was resold and on contract again as 41-02-08. The sale was cut in the winter 2011. TCR date 8/31/2011. There are some natural low open areas in the stand.		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		45	Sapling	2					
Quaking Aspen		55	Sapling	2	12				
25	42210 - Natural Red Pine	Sawtimber Well	14.8	81	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		14	Log/Pole	14		White Pine	Low	Variable	Sapling
Paper Birch		2	Pole	8		Black Spruce	Low	Variable	Sapling
Quaking Aspen		1	Log/Pole	10					
Jack Pine		3	Pole	9					
Black Spruce		5	Pole	8					
Red Pine		75	Log/Pole	14	81				
26	6122 - Black Spruce	Poletimber Medium	6.2	70	1-50	N/A	Lots of small diameter black spruce. Southern 1/3 has the most mature trees but low BA.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		95	Pole/Sapling	5	70	Black Spruce	High	>20 feet	Sapling
Jack Pine		5	Pole	8					
27	6122 - Black Spruce	Poletimber Medium	9.1	96	51-80	N/A	The northern part of the stand died off and was merged into the lowland area.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		75	Pole/Sap/Log	8	96	White Pine	Trace	5 - 10 feet	Sapling
Jack Pine		3	Pole	8		Paper Birch	Trace	5 - 10 feet	Sapling
Northern White Cedar		1	Pole	8		Tamarack	Low	5 - 10 feet	Sapling
Paper Birch		1	Pole	7		Black Spruce	Low	5 - 10 feet	Sapling
Tamarack		20	Pole	8					
28	6224 - Treed Bog	Nonstocked	3.9		Unspecified	No			
Sub-Canopy Species		Density	Avg. Height	Size					
Black Spruce		Low		Sapling					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	42220 - Natural Jack Pine	Poletimber Well	14.2	77	81-110	N/A	The north part of the stand contains mostly black spruce.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		70	Pole	9	77	Black Spruce	
Black Spruce		27	Pole	8		Low	
Red Pine		2	Log	14		Variable	
White Pine		1	Pole	8		Sapling	
30	6121 - Tamarack	Sapling Poor	10.0	30	Immature	N/A	Stand delineated and swapped to forested.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		20	Sapling	2			
Tamarack		80	Sapling	3	30		
31	42220 - Natural Jack Pine	Sapling Well	47.4	24	Unspecified	N/A	West Branch Reserve Sale. Stand was cut in multiple winters. Stand was treated under FTP C#41-765.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		90	Sapling	4	24	Red Maple	
Black Spruce		10	Sapling	2		Low	
						Variable	
						Sapling	
						Jack Pine	
						Low	
						< 5 feet	
						Sapling	
						Black Spruce	
						Low	
						< 5 feet	
						Sapling	
32	3302 - Low Density Conifer Trees	Nonstocked	2.7		Unspecified	Managed Opening	50-50 mix of upland and lowland. East 1/2 could eventually be treated with jack pine stand in adjacent compartment.
Sub-Canopy Species		Density	Avg. Height	Size			
Red Pine		Low		Log			
Tamarack		Low		Pole			
Black Spruce		Low		Pole			
33	6122 - Black Spruce	Poletimber Well	10.0	81	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		2	Pole	8		Black Spruce	
Jack Pine		5	Pole	8		Medium	
Red Pine		1	Log	12		Low	
Black Spruce		92	Pole	8	81	Medium	
						< 5 feet	
						Sapling	
						Tag Alder	
						Low	
						< 5 feet	
						Tall Shrub	
						Labrador Tea	
						Medium	
						< 5 feet	
						Tall Shrub	
34	42220 - Natural Jack Pine	Sapling Medium	65.2	12	Immature	N/A	Stand was cut in 1999. 10/18/2005: Regeneration counts - 971 jack pine, 241 black spruce. 12/28/2005: FTP was closed with a letter. There are natural low areas with black spruce saplings.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		90	Sapling	3	12		
Black Spruce		10	Sapling	1			
35	6122 - Black Spruce	Sapling Poor	88.1	30	Immature	N/A	Stand swapped from Non-Forested to Forested.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		90	Sapling/Pole	3	30		
Jack Pine		10	Sapling/Pole	3			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
36	42220 - Natural Jack Pine	Sapling Poor	101.0	12	1-50	N/A	Stand was part of the Which Way Do We Go Sale. [7/12/2007] The sale was returned to the State by the purchaser due to poor market conditions. [3/10/2008] Sale was resold as sale number 41-02-08 [10/4/2011] Sale was cut in the Winer of 2011. TCR date 8/31/2011. Count regeneration in 2015. 772 jack pine, 261 black spruce, 87 other (wp, fir, tam).																																									
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Black Spruce	30	Sapling	1																																													
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37	6120 - Lowland Cedar	Poletimber Well	57.4	140	Unspecified	N/A																																										
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39	6239 - Mixed Emergent Wetland	Nonstocked	11.7		Unspecified	No																																										
40	6239 - Mixed Emergent Wetland	Nonstocked	47.5		Unspecified	No																																										
41	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	9.6	102	81-110	N/A	There are a lot of old sloughs in the stand and obvious signs of flooding. Some of the old slough still had water in them. There is also meadow rue and sensitive fern in the understory. This stand is mature but would be very hard to treat due to access.																																									
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42	6224 - Treed Bog	Nonstocked	23.0		Unspecified	No																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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43 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Well 45.9 102 81-110 N/A There are a lot of old sloughs in the stand and obvious signs of flooding. Some of the old slough still had water in them. There is also meadow rue and sensitive fern in the understory. This stand is mature but would be very hard to treat due to access.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	15	Log/Pole	10		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	15	Pole/Log	9		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	40	Log/Pole	11	102				
White Ash	15	Log/Pole	10					
Balsam Fir	10	Pole/Log	9					

44 6239 - Mixed Emergent Wetland Nonstocked 7.0 Unspecified No

45 42210 - Natural Red Pine Sawtimber Well 1.7 135 81-110 N/A Tall and large diameter red pine and white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Log/Pole	11		Black Spruce	Low	Variable	Sapling
Red Pine	80	XLog/Log	18	135	White Pine	High	10 - 20 feet	Sapling
Black Spruce	5	Pole	7		Red Pine	Low	10 - 20 feet	Sapling
White Pine	5	XLog/Log	22					
Northern White Cedar	5	Pole	8					

46 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Well 2.8 102 51-80 N/A There are some spots in the canopy that are on the lower end of the 75-100 canopy closure. The understory is mostly fern. There is not a lot of trees regenerating. There are a lot of old sloughs in the stand and obvious signs of flooding. Some of the old slough still had water in them. There is also meadow rue and sensitive fern in the understory. This stand is mature but would be very hard to treat due to access.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole/Log	9		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	40	Log/Pole	11	102	Balsam Fir	Low	Variable	Sapling
White Ash	15	Log/Pole	10					
Northern White Cedar	15	Pole/Log	9					
Sugar Maple	5	Log/Pole	12					

47 6120 - Lowland Cedar Poletimber Well 1.7 110 81-110 N/A Wet ground with a seasonal drainage that dissipates before exiting the stand to the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	60	Pole	8	110	Black Spruce	Low	Variable	Sapling
Black Spruce	40	Pole/Sapling	6					

48 500 - Water Nonstocked 1.6 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
49	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	107.5	102	51-80	N/A	<p>There are some spots in the canopy that are on the lower end of the 75-100 canopy closure. The understory is mostly fern. There is not a lot of trees regenerating. There are a lot of old sloughs in the stand and obvious signs of flooding. Some of the old slough still had water in them. There is also meadow rue and sensitive fern in the understory. This stand is mature but would be very hard to treat due to access.</p>																																							
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50	500 - Water	Nonstocked	36.3		Unspecified	No																																								
51	4112 - Maple, Beech, Cherry Association	Sawtimber Well	146.1	89	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>Beech</td> <td>5</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>5</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>60</td> <td>Log/Pole</td> <td>14</td> <td>89</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Beech	5	Log/Pole	14		Sugar Maple	15	Log/Pole	12		Balsam Fir	15	Pole/Log	9		Yellow Birch	5	Log/Pole	14		Red Maple	60	Log/Pole	14	89	<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>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	Red Maple	Medium	Variable	Sapling	
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52	500 - Water	Nonstocked	3.2		Unspecified	No																																								
54	500 - Water	Nonstocked	20.6		Unspecified	No																																								
55	500 - Water	Nonstocked	23.9		Unspecified	No																																								
56	6224 - Treed Bog	Nonstocked	2.7	0	Unspecified	No																																								
57	622 - Lowland Shrub	Nonstocked	2.4		Unspecified	No																																								
58	42210 - Natural Red Pine	Sawtimber Well	12.3	90	141-170	N/A	<p>The northwest part of the stand is a mix of red/white pine, jack pine, black spruce, and paper birch. The paper birch is dying off in that location.</p>																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	623 - Emergent Wetland	Nonstocked	0.4	0	Unspecified	No	
60	6224 - Treed Bog	Nonstocked	12.0		Unspecified	No	
62	623 - Emergent Wetland	Nonstocked	26.4		Unspecified	No	
63	42220 - Natural Jack Pine	Sapling Medium	0.5	14	Immature	N/A	Stand was cut with sale 41-031-06-01 Half Speed. Scarified in summer 2010. Regen count needed. Regen count needed. 2014 Regen count results - 1555 jack pine, 53 black spruce, FTP is closed and stand is fully stocked.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	2	
Jack Pine	80	Sapling	2	14
Black Spruce	10	Sapling	1	