



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41006

Entry Year 2019

Acreage: 1,171

County Schoolcraft

Management Area: Fox River Complex

Revision Date: 2017-06-12

Stand Examiner: Peter Holodnick

Legal Description:

T45N, R13W, Sec. 25-28, 35

Identified Planning Goals:

Soil and topography:

There is a wide variety of soil types within the compartment. The soil type for the majority of the upland is Neconish-Wainola-Kinross Complex 0-6% slopes, and the soil type for the majority of the lowlands is Dawson, Greenwood and Loxley soils.

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

The Seney National Wildlife Refuge borders the west side of the compartment; the south and east sides are bordered by privately owned land, and the north side of the compartment is mainly bordered by state owned land.

Unique Natural Features:

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

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

HCVA - Fox River

Watershed and Fisheries Considerations:

This compartment has the Manistique River, Holland Ditch, and Holland Creek flowing through it. The Manistique River is classified as a non-trout water. The fisheries community consists of walleye, smallmouth bass, northern pike, sunfish, yellow perch, sucker spp., and minnow spp. Standard BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

Wildlife Habitat Considerations:

This compartment lies east of M-77 and north of Ten Curves Road. The Manistique River is the dominant feature coursing through the southeast portion of the compartment. Pre-settlement data indicates that the upland forest contained a mix of hemlock, white pine, and jack pine with lesser amounts of sugar maple, beech, basswood, and aspen. Lowland forests contained primarily black spruce and tamarack with smaller amounts of cedar and elm.

The current lowland forest contains basically the same species composition as the circa 1850 forest. The uplands show a significant increase in red pine and aspen.

The wildlife habitat management regime consists of facilitating the expansion of hemlock within the compartment, providing age and structural diversity within the aspen community, promoting naturally structured upland conifer stands and increasing hard mast availability.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel, coarse-textured till and peat and muck. The glacial drift thickness varies between 10 and 100 feet. The Silurian Manitoulin Dolomite and Ordovician Queenston Shale and Big Hill Dolomite subcrop below the glacial drift. The Manitoulin and Big Hill could be used for stone. Gravel pits are not found in the general area and potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

A portion of the compartment is not accessible by vehicle, due to lack of bridges.

Survey Needs:

Much of the proposed cutting cannot be completed without survey.

Recreational Facilities and Opportunities:

There are no DNR recreational facilities within the compartment; but the area is heavily used for hunting.

Fire Protection:

Portions of Sections 26 and 27 of this compartment lie within the Fox River Zone Dispatch Area. Lack of bridges makes access to fires in the east part of the compartment difficult.

Additional Compartment Information:

The following reports from the Inventory are attached:

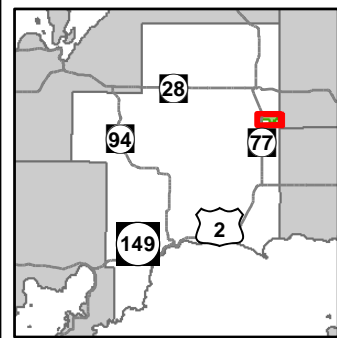
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

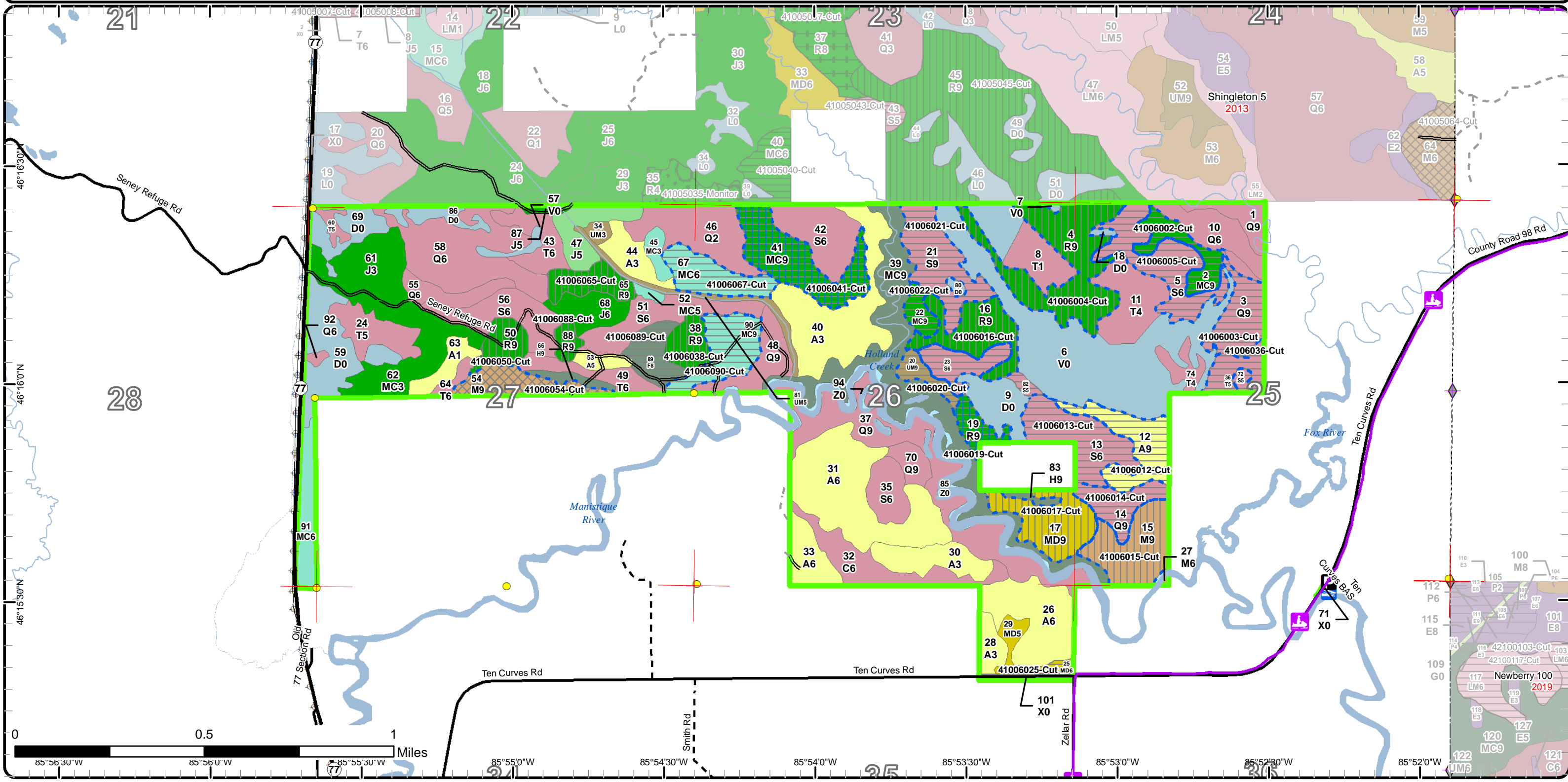
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 6
 T45N,R13W, Sec: 25-28
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Fox River Complex
 YOE: 2019
 Acres: 1,171 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 7/30/2018
 Map Phase: Post Review

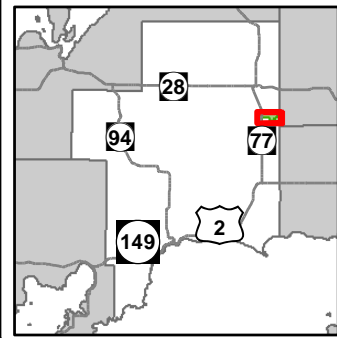


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Boating Access Site
- P Parking Lot
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- Lakes

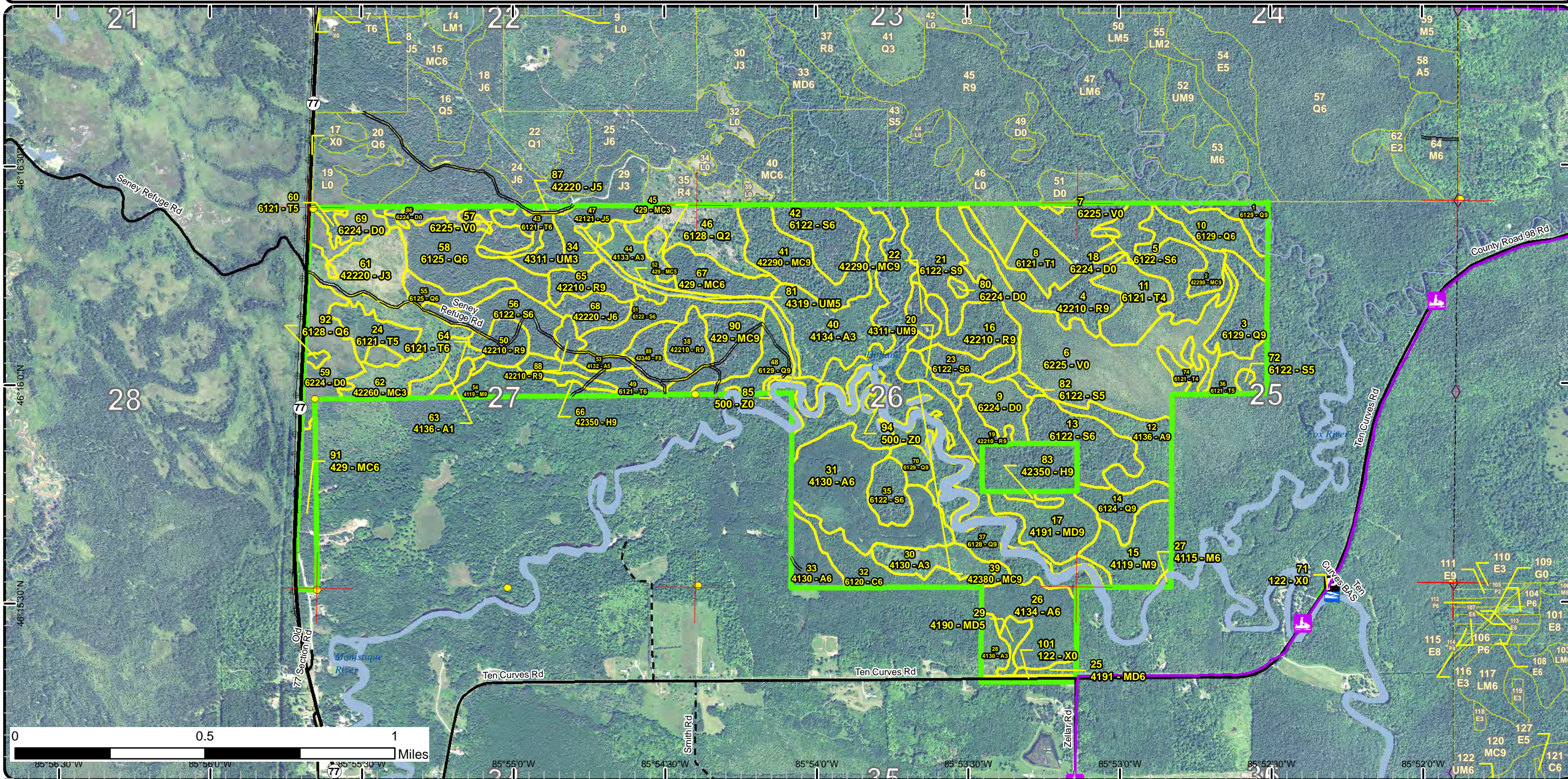


Stand Boundary Map

Compartment: 6
 T45N,R13W, Sec: 25-28
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Fox River Complex
 YOE: 2019
 Acres: 1,171 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 7/30/2018
 Map Phase: Post Review



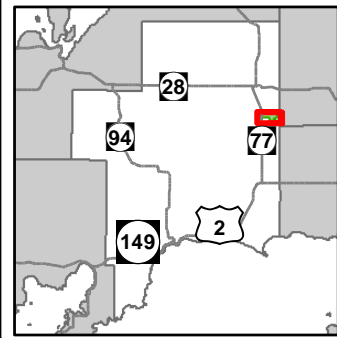
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
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- Perennial River
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen
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- 622 - Lowland Shrub



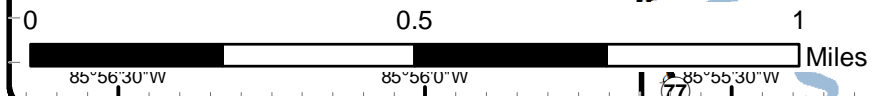
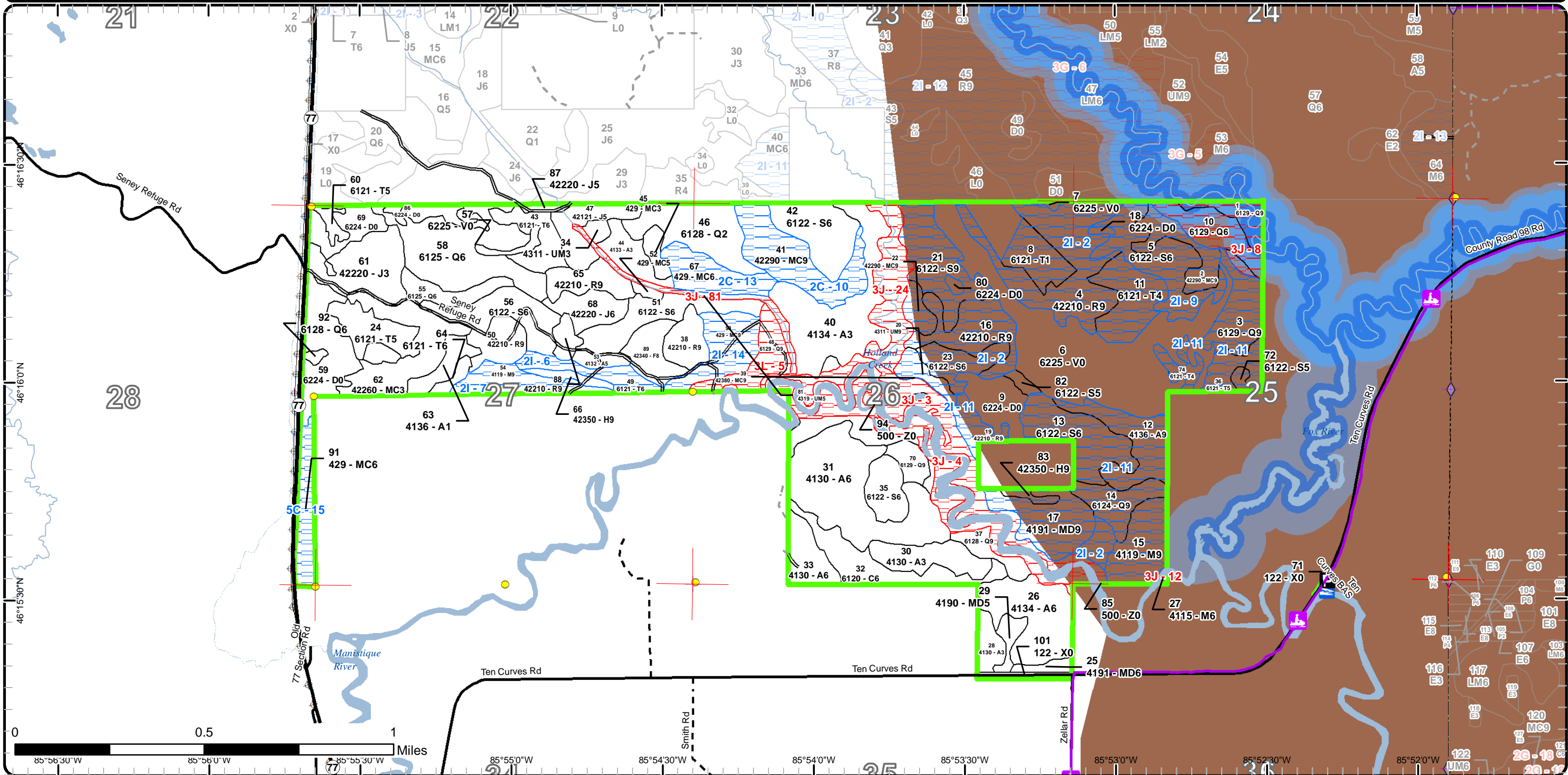
85°56'30"W 85°56'00"W 85°55'30"W 85°55'00"W 85°54'30"W 85°54'00"W 85°53'30"W 85°53'00"W 85°52'30"W 85°52'00"W

Special Conservation Areas & Site Conditions Map

Compartment: 6
 T45N,R13W, Sec: 25-28
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Fox River Complex
 YOE: 2019
 Acres: 1,171 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 7/30/2018
 Map Phase: Post Review



- Miris Corners
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- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- - - Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Boating Access Site
- P Parking Lot
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- + Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- High Priority Trout Stream Buffer
- Deer Winter Range





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	35	0	47	46	4	0	0	18	0	0	0	0	0	0	0	0	26	176
Bog	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Cedar	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	19
Hemlock	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	5
Jack Pine	0	22	0	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Conifers	0	23	0	0	0	9	0	37	75	7	12	0	0	0	0	0	0	14	176
Lowland Spruce/Fir	0	0	0	0	0	54	0	0	36	57	0	0	0	0	0	0	0	0	147
Mixed Upland Deciduous	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	23	27
Natural Mixed Pines	0	24	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	26	66
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35
Red Pine	0	0	0	0	0	0	0	0	7	29	0	0	0	0	0	0	0	63	99
Tamarack	0	0	0	0	0	3	23	12	44	0	0	0	0	0	0	0	0	0	81
Treed Bog	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Upland Conifers	0	4	0	0	0	0	15	49	30	0	0	0	0	0	0	0	0	1	98
Upland Mixed Forest	0	2	0	0	0	0	0	8	5	0	0	0	0	0	0	0	0	0	15
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Total	172	110	0	59	46	82	38	110	231	126	12	2	0	0	0	0	0	188	1173



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 6

Total Compartment Acres: 1,171

Commercial Harvest - 46
 Harvests with Site Condition - 335
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	18	0	0	0	0	0	0	0	0	18
Lowland Conifers	27	0	0	0	0	0	0	0	0	27
Lowland Spruce/Fir	83	0	0	0	0	0	0	0	0	83
Mixed Upland Deciduous	3	0	0	0	20	0	0	0	0	23
Natural Mixed Pines	16	0	0	26	0	0	0	0	0	42
Northern Hardwood	0	13	0	0	22	0	0	0	0	35
Red Pine	0	0	0	7	90	0	0	0	0	97
Tamarack	9	0	0	0	0	0	0	0	0	9
Upland Conifers	32	0	0	0	0	0	0	0	0	32
Upland Mixed Forest	5	0	0	0	0	0	0	0	0	5
Upland Spruce/Fir	11	0	0	0	0	0	0	0	0	11
Total	203	13	0	33	133	0	0	0	0	381

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	381	0	0	0	0	0	0	0	0	381
Next Step	0	32	0	0	0	0	381	0	0	413
Total	381	32	0	0	0	0	381	0	0	794



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	Approval Status
2	41006002-Cut	11.0	42290 - Natural Mixed Pine	Sawtimber Well	78	111- 140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Survey Needed

Prescription Clear cut with retention. No cut Hemlock, Cedar and Oak if present. Retention is in the fox river buffer.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any tree species currently on site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

3	41006003-Cut	15.0	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	78	111- 140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Clear cut with retention. Do not cut Hemlock, Cedar and Oak if present. Leave 3-10% retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any tree species

Regen:

Other

This stand is very wet. A survey needs to be done.

Comment:

Proposed Start Date: 10/01/2018

4	41006004-Cut	39.4	42210 - Natural Red Pine	Sawtimber Well	88	171- 200	Harvest	Shelterwood	429 - Mixed Upland Conifers	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Mark to 30-50 BA. Focus your marking on over mature pine (16-18" DBH and greater). Cut all Black Spruce and Red Maple. Leave 3-10% retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

5	41006005-Cut	24.3	6122 - Black Spruce Poletimber	Well	88	111- 140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Clear cut with retention. No cut Hemlock, Cedar, and Oak if present.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mix of trees currently found in this area

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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	Approval Status
12	41006012-Cut	18.0	4136 - Aspen, Mixed Conifer	Sawtimber Well	78	81-110	Harvest	Clearcut with Retention	413 - Aspen	Uneven- Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Survey Needed

Prescription Cut all trees except Hemlock and Oak. Leave 3-10% retention. Cut all deciduous trees down to 2 inches. No cut cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with a mix of the current species on site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

13	41006013-Cut	22.6	6122 - Black Spruce Well	Poetimber Well	78	141- 170	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Cut all trees except hemlock and oak. Leave 3-10% retention in the south portion of the stand where it is thick to cedar. Cut no cut Cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

14	41006014-Cut	11.8	6124 - Lowland Spruce-Fir	Sawtimber Well	78	111- 140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Cut all trees except Hemlock and Oak. Leave a retention pocket 3-10% in the northwest corner of stand where it is thick to cedar. No cut Cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

15	41006015-Cut	22.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	100	171- 200	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Mark to approximately 50 BA overall. Cut all Paper Birch, Spruce, Balsam Fir, and Aspen. Line out all aspen clones and cutting all trees is

Specs: acceptable. Protect drainages. If goshawk nest is found follow the guidelines. No cut Cedar.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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	Approval Status
16	41006016-Cut	19.4	42210 - Natural Red Pine	Sawtimber Well	78	141- 170	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Uneven- Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Survey Needed

Prescription Leave tree mark to between 30-50 BA of large diameter Red and White Pine. No cut Hemlock, Oak, Cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of current species on-site

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

17	41006017-Cut	20.3	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	78	111- 140	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Mark down to about 50 BA. Cut all Spruce, Balsam Fir, Aspen, and Paper Birch. No cut Hemlock, Oak, and Cedar. Lining out all aspen clone and cut all trees down to 2 inches. If hawk nest is found, follow guidelines. Protect drainages.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

19	41006019-Cut	6.6	42210 - Natural Red Pine	Sawtimber Well	78	81-110	Harvest	Seed Tree	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Seed tree cut leaving 10-30 BA of a mix of White and Red Pine. No cut Hemlock and Oak. No retention due to small size.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Mix of the current species on-site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

20	41006020-Cut	5.3	4311 - Pine, Aspen Mix	Sawtimber Well	78	141- 170	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Clear cut no retention due to size. Leave some super canopy White Pine. No cut Hemlock and Oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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	Approval Status
21	41006021-Cut	22.7	6122 - Black Spruce	Sawtimber Well	80	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition: Survey Needed								
<u>Prescription</u> Cut all trees except Hemlock, Oak, and Cedar. leave 3-10% retention.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of the current species on-site.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
22	41006022-Cut	4.9	42290 - Natural Mixed Pine	Sawtimber Well	78	141- 170	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition: Survey Needed								
<u>Prescription</u> Clear cut no retention due to size. No cut Hemlock, Oak, and Cedar.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of tree species currently on-site											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
23	41006023-Cut	10.2	6122 - Black Spruce	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition: Survey Needed								
<u>Prescription</u> Cut all trees except Hemlock and Oak. Leave no retention due to small size.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of the current species on-site.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
25	41006025-Cut	2.6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	81	111- 140	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Clear cut no retention because of its small size. No cut Hemlock, Oak, and Cedar if present.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of the current species on-site.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



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	Approval Status
36	41006036-Cut	8.5	6121 - Tamarack	Poetimber Medium	78	1-50	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Survey NeededPrescription Clear cut. No cut Hemlock, cedar and Oak.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable A mix of current species on-siteRegen:OtherComment:Proposed Start Date: 10/01/2018

38	41006038-Cut	8.8	42210 - Natural Red Pine	Sawtimber Well	80	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition:Prescription Mark to between 30-50BA of large diameter red and white pine. No cut Hemlock and Oak. Root rake for natural regeneration. No need forSpecs: retention due to small size.Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Other - SpecifyTreatments:Acceptable Any trees currently in the overstory would be acceptableRegen:OtherComment:Proposed Start Date: 10/01/2018

41	41006041-Cut	26.3	42290 - Natural Mixed Pine	Sawtimber Well	87	51-80	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Engineered Bridge NeededPrescription Leave 10-30BA of red and white pine where it exists. No cut Hemlock and Oak.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable A mix of currant species on-siteRegen:OtherComment:Proposed Start Date: 10/01/2018

50	41006050-Cut	8.6	42210 - Natural Red Pine	Sawtimber Well	85	111- 140	Harvest	Shelterwood	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition:Prescription Mark to between 30-50 BA of large diameter red and white pine. No cut Hemlock and Oak. Root rake for natural regeneration. No otherSpecs: retention needed due to small sizeNext Step Monitoring, Natural Regen (Intermediate); SitePrep, Other - SpecifyTreatments:Acceptable Any Tree Species currently in the over story would be acceptable.Regen:OtherComment:Proposed Start Date: 10/01/2018



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	Approval Status
54	41006054-Cut	13.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	88	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Survey Needed

Prescription Mark trees down to 80 BA. Mark trees with poor form and deformities. No cut Hemlock and Oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any tree species

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

65	41006065-Cut	10.2	42210 - Natural Red Pine	Sawtimber Well	85	111-140	Harvest	Shelterwood	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition:

Prescription Mark to 30-50 BA leaving some large diameter Red and White Pine. Cut all Jack pine. No cut Hemlock and Oak. Root rake for natural

Specs: regeneration. No other retention needed due to small size.

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Other - Specify

Treatments:

Acceptable Any tree species in the overstory would be acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

67	41006067-Cut	14.5	429 - Mixed Upland Conifers	Poetimber Well	56	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Engineered Bridge Needed

Prescription Cut all trees except Hemlock and Oak. Leave 3-10% retention. Buffer the Holland ditch 100'.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of species currently on-site

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

72	41006072-Cut	1.6	6122 - Black Spruce	Poetimber Medium	71	81-110	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Clear cut no retention because of small size. No cut Hemlock, Oak and Cedar if present.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site.

Regen:

Other

This needs a survey.

Comment:

Proposed Start Date: 10/01/2018



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	Approval Status
82	41006082-Cut	1.8	6122 - Black Spruce	Polett Medium	78	51-80	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear cut no retention due to size. No cut Hemlock and Oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of the current species on-site

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

88	41006088-Cut	3.9	42210 - Natural Red Pine	Sawtimber Well	85	111- 140	Harvest	Shelterwood	4319 - Mixed Upland Forest	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark trees down to between 30 to 60 BA. Focus your marking on the large 16-18 inch red and white pine. Root rake for natural regeneration. No

Specs: other retention needed due to small size.

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Other - Specify

Treatments:

Acceptable A mix of current species on-site

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

89	41006089-Cut	10.6	42340 - Upland Spruce/Fir	Sawtimber Medium	85	111- 140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all tree species except Hemlock and Oak. Also leave tree mark a few large White and Red Pine. Leave 3-10% retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of current species on-site

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

90	41006090-Cut	17.1	429 - Mixed Upland Conifers	Sawtimber Well	73	141- 170	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription Cut all trees except Hemlock and Oak. Also Leave tree mark a few White and Red Pine. Leave 3-10% retention. Leave retention near river.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of current species on-site

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 381.2**

Report 4 – Site Conditions

Shingleton Mgt. Unit
Peter Holodnick : Examiner

Compartment: 6
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions				
						2C	2I	5C	3J	3L
175	157	18	0	0	Aspen		18			
88	88	0	0	0	Bog					
19	19	0	0	0	Cedar					
5	3	2	0	0	Hemlock		2			
45	45	0	0	0	Jack Pine					
176	70	27	79	0	Lowland Conifers		27		67	12
147	66	81	0	0	Lowland Spruce/Fir		81			
27	7	20	0	0	Mixed Upland Deciduous		20			
66	24	42	0	0	Natural Mixed Pines	26	16			
36	0	35	0	0	Northern Hardwood		35		0	
98	32	65	0	0	Red Pine		65			
81	28	53	0	0	Tamarack		53			
56	54	0	2	0	Treed Bog				2	
99	5	45	49	0	Upland Conifers	14	17	13	49	
15	2	5	8	0	Upland Mixed Forest		5		8	
11	11	0	0	0	Upland Spruce/Fir					
3	3	0	0	0	Urban					
25	25	0	0	0	Water					
1,171	639	394	138	0	Total Forested Acres	41	341	13	126	12
	55%	34%	12%		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	2I: Survey needed	0	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Peter Holodnick : Examiner

Compartment: 6
Year of Entry: 2019

2	Available	2I: Survey needed	136	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Manistique River							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3L: Other wildlife concerns	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Trees are small							
7	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Peter Holodnick : Examiner

Compartment: 6
Year of Entry: 2019

8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	22	2I: Survey needed	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
Comments: Fox river buffer							
9	Available	2I: Survey needed	35	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The bridge needs to be redecked and some abutment work needs to be done.							
11	Available	2I: Survey needed	129	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	2I: Survey needed	Unspecified	Unspecified
Comments: Fox river buffer							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Peter Holodnick : Examiner

Compartment: 6
Year of Entry: 2019

13	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The bridge needs to be bedecked and some abutment work needs to be done.							
14	Available	2I: Survey needed	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
81	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	7.3	78	1-50	OPIC - FMD: HCVA-Natural River, Fox River. Fox River flood plain with scattered trees, tall brush and grass/sedge. 98=cedar, hemlock and spruce soil=65 AuSable, Deford & Tawas Mucks, Frequently flooded; also 27A Hendrie-Anninias Complex 0-3% slopes
2	42290 - Natural Mixed Pine	Sawtimber Well	10.9	78	111-140	Conifer/hardwood mix on slightly higher ground. Difficult access: need a bridge over Holland Creek, or a road through private. Regeneration of the same species mix is acceptable. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
3	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	16.7	78	111-140	Mix of conifers on lower ground. East property line was put in by private surveyor; accuracy is unknown. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
4	42210 - Natural Red Pine	Sawtimber Well	39.4	88	171-200	Scattered spruce Soil=37 Dawson, Greenwood and Loxley soils
5	6122 - Black Spruce	Poletimber Well	24.3	88	111-140	OPIC - FMD: Difficult access: needs bridge across Holland Creek, or road through private. soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes; and 37 Dawson, Greenwood and Loxley soils
8	6121 - Tamarack	Sapling Poor	11.6	73	1-50	Bog with leatherleaf and other brush species. Scattered spruce and tamarack. Soil=37 Dawson, Greenwood and Loxley soils
10	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	13.5	118	141-170	Natural River, Fox River. Large diameter Hemlock, White Pine and Birch are within the stand. East private line was put in by private surveyor and its accuracy is unknown. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
11	6121 - Tamarack	Poletimber Poor	17.9	73	1-50	Bog with leatherleaf and other brush species. Scattered spruce and tamarack. Soil=37 Dawson, Greenwood and Loxley soils
12	4136 - Aspen, Mixed Conifer	Sawtimber Well	18.0	78	81-110	East blue line was put in by private surveyor and accuracy is unknown. Difficult access: need bridge over Holland Creek or road through private. Regeneration of the same species mix is acceptable. 98=white pine, b.spruce. soil=525B Neconish-Wainola-Kinross complex 0-6% slopes
13	6122 - Black Spruce	Poletimber Well	22.6	78	141-170	Difficult access: need bridge across Holland creek, or road through private. Adjacent to private property; survey needed. 98=white pine, cedar soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes and 36 Carbondale, Lupton & Tawas soils
14	6124 - Lowland Spruce-Fir	Sawtimber Well	11.8	78	111-140	Difficult access: bridge needed across Holland creek, or road through private. Adjacent to private property; survey needed. Regeneration of the same species mix is acceptable. Soil=36 Carbondale, Lupton and Tawas soils



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	4119 - Mixed Northern Hardwoods	Sawtimber Well	22.0	100	171-200	Difficult access: bridge across Holland Creek needed, or a road through private land far to the north. There is an old road through the stand. The east property line was put in by private surveyor; accuracy unknown. 98=b.fir, hemlock, white pine soil=34B Liminga Fine Sand 0-6% slopes and 34E 15-35% slopes
16	42210 - Natural Red Pine	Sawtimber Well	19.4	78	141-170	Difficult access: bridge over Holland Creek needed, or road through private land to the north. 35/2=jack pine and white pine soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
17	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	20.3	78	111-140	Difficult access: bridge across Holland Creek needed, or a road through private land far to the north. There is an old road through the stand. Adjacent to private property; survey needed. 98= Hemlock, Spruce, Cedar and White Pine soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes and 13D Kalkaska sand 6-15% slopes
19	42210 - Natural Red Pine	Sawtimber Well	6.6	78	81-110	Follow BMP guidelines along the Manistique River. Difficult access: bridge needed across Holland Creek, or a road across private from the north. Stand is adjacent to private property; survey needed. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
20	4311 - Pine, Aspen Mix	Sawtimber Well	5.3	78	141-170	Follow BMP guidelines near Holland Creek and the Manistique River. Difficult access; bridge needed over Holland Creek, or a road from the north. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
21	6122 - Black Spruce	Sawtimber Well	22.7	80	81-110	Difficult access: bridge needed across Holland Creek, or a road through private to the north. Treat with C005 s 20 to the north. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
22	42290 - Natural Mixed Pine	Sawtimber Well	4.9	78	141-170	OPIC - FMD: Cut all trees except Hemlock. Leave some Red and White Pine for retention. Jack Pine is the preferred regeneration species, but a mix with other species similar to what is currently on site will be acceptable. Scarify or handplant to regenerate jack pine. Difficult access: bridge needed across Holland Creek, or a road through private to the north. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
23	6122 - Black Spruce	Poletimber Well	10.2	80	81-110	Difficult access: bridge over Holland Creek is needed, or road through private to the north. 35/2=red and white pine soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
24	6121 - Tamarack	Poletimber Medium	12.3	54	Unspecified	OPIC - FMD: Large bog next to M-77. Contains some small pockets of trees (b.spruce, tamarack). Soil=Markey Mucky Peat
25	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	2.6	81	111-140	Narrow stand adjacent to 10 Curves Rd. Dense b.fir regeneration. Soil=Wallace Sand 15-35% slopes
26	4134 - Aspen, Spruce/Fir	Poletimber Well	26.0	34	81-110	Aspen with b.fir, r.maple & spruce. Soil=Finch-Spot Complex 0-3% slopes and Wallace Sand 6-15% slopes



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	4115 - Y.Birch, Hemlock NH	Poletimber Well	0.4	68	111-140	Very small stand, on the opposite side of the Manistique River than the rest of the state land. 98=hemlock, w.pine, b.fir 99=r.maple, cherry soil=67B Pelkie, occasionally flooded-Deford, frequently flooded complex, 0-6% slopes
28	4130 - Aspen	Sapling Well	5.8	6	Immature	OPIC - FMD: Adjacent to 10 Curves Rd. There is an old trail road into the stand. Soil=Finch-Spot Complex 0-3% slopes. [4-7-10] Stand is now under contract TS 41-014-09-01 Beaver View. [4-28-12] Sale is now complete TCR dtd 4-16-12.
29	4190 - Mixed Upland Deciduous with Cedar	Poletimber Medium	3.9	68	51-80	OPIC - FMD: Low, wet area with tall brush and a scattered trees. Adjacent to 10 Curves Rd. 91=b.ash, tamarack Soil=Carbondale-Lupton-Tawas Mucks
30	4130 - Aspen	Sapling Well	13.4	6	Immature	OPIC - FMD: A mix of large Aspen and smaller conifers. Soil=Finch-Spot complex 0-3% slopes[4-7-10] Stand is now under contract TS 41-014-09-01 Beaver View. Sale is now complete TCR dtd 4-16-12.
31	4130 - Aspen	Poletimber Well	46.1	31	Immature	OPIC - FMD: Rolling terrain. Aspen with some cherry, r.maple, b.fir, p.birch and beech. Soil=Paquin-Finch Sands 0-6% slopes and Wallace sand 6-15% & 15-35% slopes
32	6120 - Lowland Cedar	Poletimber Well	18.6	88	81-110	OPIC - FMD: 98=hemlock, b.fir, w.pine 99=aspen, r.maple, birch soil= 36 Carbondale-Lupton-Tawas Mucks
33	4130 - Aspen	Poletimber Well	10.8	25	Immature	OPIC - FMD: Aspen with other species including: cherry, b.fir, r.maple and p.birch. Soil=Paquin-Finch Sand 0-6% slopes and Wallace sand 15-35% slopes
34	4311 - Pine, Aspen Mix	Sapling Well	2.0	6	Immature	Soil=Neconish-Kinross-Wainola Complex 0-6% slopes [4-28-12] Sale is now complete TCR dtd 4-16-12. (RH10/29/12) scarified summer of 2012 by holli .
35	6122 - Black Spruce	Poletimber Well	10.0	73	111-140	OPIC - FMD: Scattered large white pine with other conifers (spruce, tamarack, hemlock). Soil=Finch-Spot Complex 0-3% slopes
36	6121 - Tamarack	Poletimber Medium	8.5	78	1-50	OPIC - FMD: Mix of conifers on lower ground. East property line was put in by private surveyor; accuracy is unknown. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
37	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	39.3	76	81-110	OPIC - FMD: Manistique River riparian zone; includes a steep bank and floodplain with old oxbows. Mix of conifers and hardwoods - species composition and BA varies. Soil=Pelkie, occasionally flooded-Deford frequently flooded Complex 0-6% slopes
38	42210 - Natural Red Pine	Sawtimber Well	8.8	80	81-110	Soil=Neconish-Kinross-Wainola Complex 0-6% slopes



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	48.8	66	111-140	Riparian zone along the Manistique River and Holland creek - steep banks and floodplain. soil=Pelkie occasionally flooded- Deford frequently flooded Complex 0-6% slopes
40	4134 - Aspen, Spruce/Fir	Sapling Well	36.1	26	Immature	OPIC - FMD: Aspen with b.spruce, j.pine, r.maple, etc. Between Holland Ditch and Holland Creek. Soil=Neconish-Kinross- Wainola Complex 0-6% slopes
41	42290 - Natural Mixed Pine	Sawtimber Well	26.3	87	51-80	There is aspen regeneration in the south portion of the stand. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
42	6122 - Black Spruce	Poletimber Well	18.5	46	1-50	soil=Neconish-Kinross-Wainola Complex 0-6% slopes
43	6121 - Tamarack	Poletimber Well	10.7	56	51-80	soil=Neconish-Kinross-Wainola Complex 0-6% slopes. This should be ready to be put up next entry.
44	4133 - Aspen, Mixed Pine	Sapling Well	8.7	6	Immature	OPIC - FMD: This stand contains a large variety of tree species. Cut all trees except w.pine, r.pine, hemlock, oak and cedar. Follow BMP guidelines for Holland Ditch buffer (stand 39). The Holland Ditch buffer, in combination with the leave trees, will be used to satisfy the retention guidelines. Aspen with a combination of species currently on site is acceptable for regeneration. 91=cherry, r.pine, w.pine, b.fir, r.maple soil=Neconish-Kinross-Wainola Complex 0-6% slopes [4-7-10] Stand is now under contract TS 41-014-09-01 Beaver View. Residual BA: White pine = 4; red pine = 3; total = 7 sq.ft./acre. [4-28-12] Sale is now complete TCR dtd 4-16-12.
45	429 - Mixed Upland Conifers	Sapling Well	3.7	6	Immature	soil=Neconish-Kinross-Wainola Complex 0-6% slopes [4-7-10] Stand is now under contract TS 41-014-09-01 Beaver View. See also FTP C41-1414 (jack pine regeneration.) Residual BA: red pine = 2 sq.ft./acre. [4-28-12] Sale is now complete TCR dtd 4-16-12. RH10/29/12 scarified summer of 2012 by holli Fp regen check in 3 years per work instructions.
46	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	23.0	6	Immature	soil=Neconish-Kinross-Wainola Complex 0-6% slopes [4-28-12] Sale is now complete TCR dtd 4-16-12.
47	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Medium	11.8	21	Immature	Trenched and seeded in Oct 1997. A narrow buffer of trees was left along Holland Ditch. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
48	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	12.1	98	111-140	Along Holland Ditch and the Manistique River. soil=Neconish- Kinross-Wainola Complex 0-6% slopes and Pelkie occasionally flooded-Deford frequently flooded Complex 0-6% slopes (near river)
49	6121 - Tamarack	Poletimber Well	9.4	60	51-80	Low ground along the bottom of a hardwood ridge. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
50	42210 - Natural Red Pine	Sawtimber Well	9.6	85	111-140	Ridges with red and white pine. soil=Neconish-Kinross- Wainola Complex 0-6% slopes



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	6122 - Black Spruce	Poletimber Well	17.5	41	1-50	Near Holland Ditch. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
52	429 - Mixed Upland Conifers	Poletimber Medium	1.4	41	81-110	Near Holland Ditch. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
53	4132 - Aspen, Jack Pine	Poletimber Medium	3.6	41	1-50	soil=Neconish-Kinross-Wainola Complex 0-6% slopes
54	4119 - Mixed Northern Hardwoods	Sawtimber Well	13.2	88	111-140	Adjacent to private land. Hilly terrain. Soil=Liminga Fine Sand 0-6% & 15-35% slopes
55	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	8.6	41	1-50	soil=Finch-Spot Complex and Rosseau Fine Sand 15-35% slopes
56	6122 - Black Spruce	Poletimber Well	17.7	41	1-50	Soil=Markey Mucky Peat and Finch-Spot Complex 0-3% slopes
58	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	37.1	61	51-80	Cut next entry. soil=Finch-Spot Complex 0-3% slopes
60	6121 - Tamarack	Poletimber Medium	2.6	68	1-50	Cut next entry. Near M-77, surrounded by bog. Soil=Markey Mucky Peat
61	42220 - Natural Jack Pine	Sapling Well	22.1	6	Immature	OPIC - FMD: Partially visible from M-77. soil=Neconish-Kinross-Wainola Complex 0-6% slopes and Finch-Spot Complex 0-3% slopes [4-7-10] Stand is now under contract TS 41-014-09-01 Beaver View. See also FTP C41-1414 (jack pine regeneration.) Residual BA: red & white pine = 1 sq.ft./acre. [4-28-12] Sale is now complete TCR dtd 4-16-12. (RH10/29/12) scarified summer of 2012 by holli Fp regen check in 3 years per work instructions.
62	42260 - Natural Pine, Mixed Deciduous	Sapling Well	24.1	6	Immature	Adjacent to private property (to south), a survey request has been filed. Spruce with a mix of species similar to that currently on site will be acceptable for regeneration. 35=r.pine, w.pine soil=Neconish-Kinross-Wainola Complex 0-6% slopes and Markey Mucky Peat[4-7-10] Stand is now under contract TS 41-014-09-01 Beaver View. Residual BA: White pine = 1; red pine = 3; total = 4 sq.ft./acre.[4-28-12] Sale is now complete TCR dtd 4-16-12.
63	4136 - Aspen, Mixed Conifer	Sapling Poor	6.8	6	Immature	soil=Neconish-Kinross-Wainola Complex 0-6% slopes & Markey Mucky Peat [4-7-10] Stand is now under contract TS 41-014-09-01 Beaver View. See also FTP C41-1414 (jack pine regeneration.) Residual BA: White pine = 8; red pine = 8; total = 16 sq.ft./acre. [4-28-12] Sale is now complete TCR dtd 4-16-12. (RH10/29/12) scarified summer of 2012 by holli Fp regen check in 3 years per work instructions.
64	6121 - Tamarack	Poletimber Well	2.7	41	Unspecified	Low, wet ground. Soil=Markey Mucky Peat



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	42210 - Natural Red Pine	Sawtimber Well	10.2	85	111-140	soil=Neconish-Kinross-Wainola Complex 0-6% slopes
66	42350 - Upland Hemlock	Sawtimber Well	3.2	80	111-140	Narrow stand of hemlock at bottom of hardwood hill. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
67	429 - Mixed Upland Conifers	Poletimber Well	14.5	56	111-140	lots of small openings through out. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
68	42220 - Natural Jack Pine	Poletimber Well	10.0	49	51-80	soil=Neconish-Kinross-Wainola Complex 0-6% slopes and Rosseau Fine Sand 15-35% slopes
70	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	5.4	81	111-140	OPIC - FMD: Manistique River riparian zone; includes a steep bank and floodplain with old oxbows. Mix of conifers and hardwoods - species composition and BA varies. Soil=Pelkie, occasionally flooded-Deford frequently flooded Complex 0-6% slopes
72	6122 - Black Spruce	Poletimber Medium	1.6	71	81-110	OPIC - FMD: Slightly higher ground with med-tall brush species including leatherleaf and alder. Soil=37 Dawson, Greenwood and Loxley soils
74	6121 - Tamarack	Poletimber Poor	5.2	78	1-50	Low, wet ground with med-tall brush species including leatherleaf and alder. Old bog area filling in with trees. Soil=37 Dawson, Greenwood and Loxley soils
81	4319 - Mixed Upland Forest	Poletimber Medium	7.7	68	51-80	Riparian zone along Holland Ditch - steep bank and area at top of bank. soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
82	6122 - Black Spruce	Poletimber Medium	1.8	78	51-80	Narrow stand that is slightly higher than the surrounding bog stands.
83	42350 - Upland Hemlock	Sawtimber Well	2.1	108	171-200	OPIC - FMD: Adjacent to private property (lines are not in). Old road is near the property line. Soil=525B Neconish-Wainola-Kinross Complex 0-6% slopes
87	42220 - Natural Jack Pine	Poletimber Medium	1.6	41	1-50	Grassy hill along a trail road with a few trees. Next to Holland Ditch. soil=Rosseau Fine Sand 15-35% slopes
88	42210 - Natural Red Pine	Sawtimber Well	3.9	85	111-140	soil=Neconish-Kinross-Wainola Complex 0-6% slopes
89	42340 - Upland Spruce/Fir	Sawtimber Medium	10.6	85	111-140	soil=Neconish-Kinross-Wainola Complex 0-6% slopes
90	429 - Mixed Upland Conifers	Sawtimber Well	17.1	73	141-170	Scattered large red and white pine. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
91	429 - Mixed Upland Conifers	Poletimber Well	13.0	70	111-140	Cut next entry. Narrow stand between M-77 and private land. Soil=Markey Mucky Peat. Consider selling this property to consolidate state land better.

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Shingleton Mgt. Unit

Report 7 – Forested Stands

Compartment: 6
Year of Entry: 2019



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
92	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	1.1	85	51-80	Cut next entry year. Small group of trees within a bog, near M-77. Soil=Markey Mucky Peat



Stand	Cover Type	Acres	Managed Site	General Comments:
6	6225 - Bog	84.9	No	Bog with leatherleaf and other brush species. Scattered spruce and tamarack. Soil=37 Dawson, Greenwood and Loxley soils
7	6225 - Bog	0.6	No	Bog with leatherleaf and other brush species. Scattered spruce and tamarack. Soil=37 Dawson, Greenwood and Loxley soils
9	6224 - Treed Bog	12.5	No	Bog with leatherleaf and other brush species. Scattered spruce and tamarack. Soil=37 Dawson, Greenwood and Loxley soils
18	6224 - Treed Bog	2.3	No	
57	6225 - Bog	2.4	No	Low, wet ground. soil=Neconish-Kinross-Wainola Complex 0-6% slopes
59	6224 - Treed Bog	24.0	No	OPIC - FMD: Large bog next to M-77. Contains some small pockets of trees (b.spruce, tamarack). Soil=Markey Mucky Peat
69	6224 - Treed Bog	10.3	No	Bog adjacent to M-77. Soil=Markey Mucky Peat
71	122 - Road/Parking Lot	0.5	No	parking lot
80	6224 - Treed Bog	1.0	No	Small bog, with scattered trees, within a spruce stand. Place retention area around this stand when cutting surrounding stand 21. Sol=37 Dawson, Greenwood and Loxley soils
85	500 - Water	23.7	No	OPIC - FMD: Manistique River
86	6224 - Treed Bog	5.7	No	OPIC - FMD: Bog with a few scattered trees (j.pine, b.spruce, tamarack). Soil=Markey Mucky Peat
94	500 - Water	1.0	No	OPIC - FMD: Old oxbows of the Manistique River.
101	122 - Road/Parking Lot	2.8	No	OPIC - FMD: Co P 498 R-O-W (10 curves Rd).