



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41017

Entry Year 2018

Acreage: 1,447

County Schoolcraft

Management Area: Seney Manistique Swamp

Revision Date: 2016-08-31

Stand Examiner: Adam Petrelius

Legal Description:

45N 16W Sections 16, 19, 20, and 21

Identified Planning Goals:

Multiple resource management for current and future generations.

Soil and topography:

Compartment is mostly flat with slight elevation changes on the timbered islands . major soil types include Deford Muck and Paquin Sand.

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

Public ownership in the area is State land, but various private ownerships lie along the boundary.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

This compartment contains Hickey Creek which is a designated Type 1 trout stream less than 50' width. A 300' buffer is recommended for Hickey Creek in riparian areas adjacent to stands susceptible to Aspen regeneration. For all other riparian areas, Best Management Practices should be followed to reduce erosion into waterbodies.

Wildlife Habitat Considerations:

Although aspen has certainly increased from presettlement times, the rest of the vegetative community appears to be fairly similar in species composition. The wildlife habitat management regime consists of providing early successional deciduous habitat, promoting hemlock, and creating age and structural diversity of the forest within the compartment. This compartment lies within the Seney/Manistique Swamp Management Area and the featured species within this MA are American beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and peat & muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton and Black River Groups subcrop below the glacial drift. The Trenton and Black River are quarried for stone/dolomite elsewhere in the UP. Gravel pits are not found in the area and potential appears to be limited There is no commercial oil and gas production in the UP.

Vehicle Access:

Vehicle Access is extremely difficult and only possible with permission from adjacent private owners.

Survey Needs:

Not much survey data present in area.

Recreational Facilities and Opportunities:

No facilities. General opportunities for hunting, fishing, and other outdoor activity exist for limited numbers of individuals due to restricted access behind private land.

Fire Protection:

Extremely remote area with poor road network.

Additional Compartment Information:

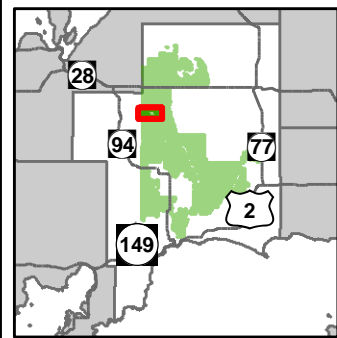
The following reports from the Inventory are attached:

- 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:

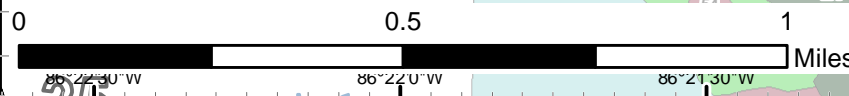
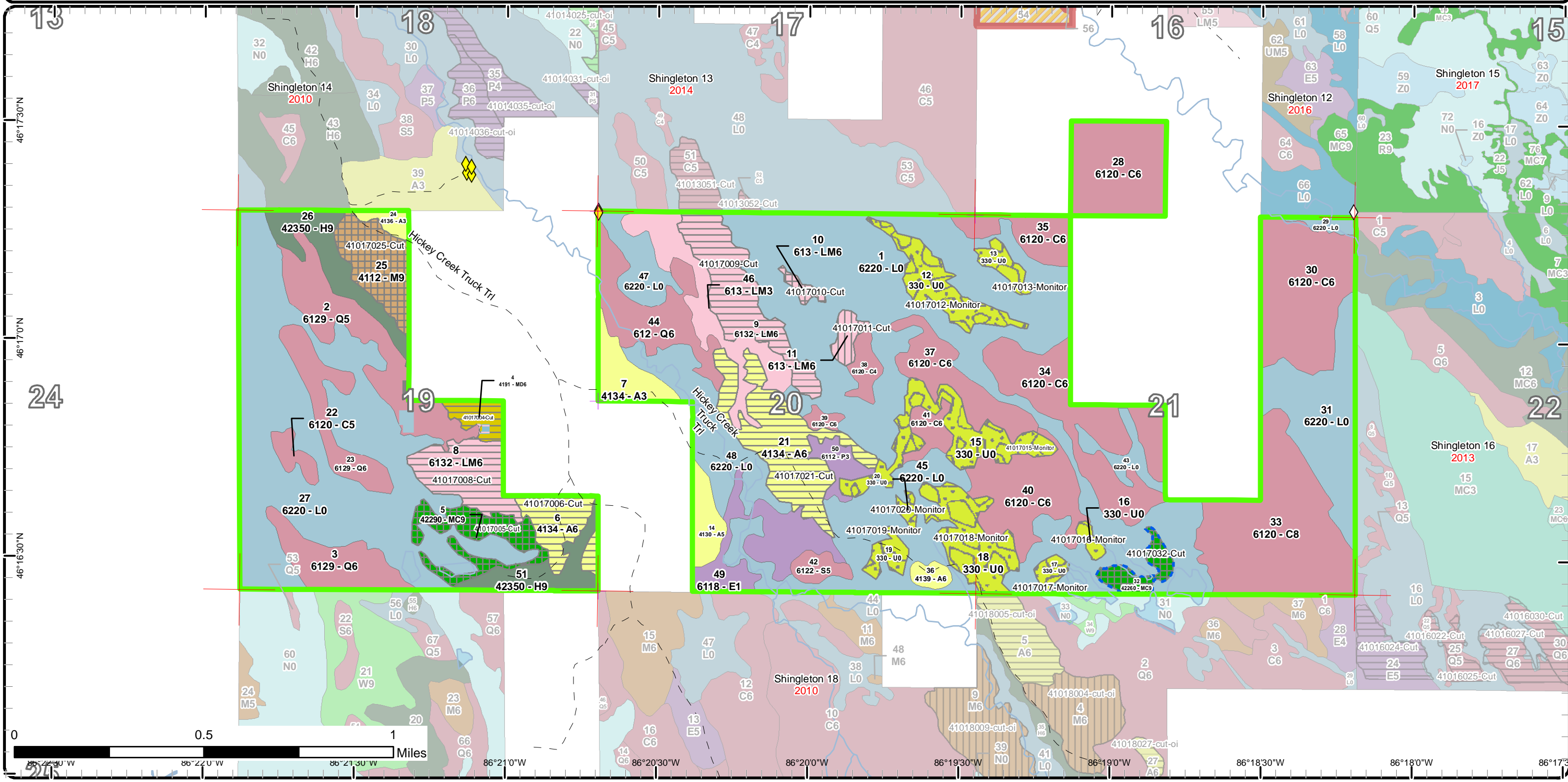
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



Compartment: 17
 T45N, R16W, Sec: 16, 19-21
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2018
 Acres: 1,447 GIS Calculated
 Examiner: Adam Petrelius
 Map Revised: 12/6/2016
 Map Phase: Post Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- - Poor Dirt Roads
- Rivers
- ▭ Compartment Boundary
- ▨ Treatments with Site Conditions
- ▩ Clearcut (w/Reserves)
- ▧ Regeneration Survey
- ▦ Shelter Wood (w/Reserves)
- ▤ Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes



86°23'00" W 86°22'00" W 86°21'30" W 86°21'00" W 86°20'00" W 86°19'30" W 86°19'00" W 86°18'30" W 86°18'00" W 86°17'30" W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	30	0	0	0	4	60	0	0	0	0	0	0	0	0	0	94
Cedar	0	0	0	0	0	0	0	47	279	0	0	0	0	0	0	0	0	0	326
Hemlock	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	38
Low-Density Trees	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
Lowland Aspen/Balsam Poplar	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	0	93	24	0	0	0	0	0	0	0	0	0	117
Lowland Deciduous	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	29
Lowland Mixed Forest	0	0	0	0	30	0	0	5	27	33	0	0	0	0	0	0	0	0	95
Lowland Shrub	583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	582
Lowland Spruce/Fir	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8
Natural Mixed Pines	0	0	0	0	0	0	0	0	20	9	0	0	0	0	0	0	0	0	29
Northern Hardwood	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	23
Total	674	0	0	30	8	30	35	51	475	102	42	0	0	0	0	0	0	0	1446



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2018

Acres of Harvest

Compartment 17
Total Compartment Acres: 1,447

Commercial Harvest - 176
Harvests with Site Condition - 9
Next Step Harvest - 42
Habitat Cut - 42

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	60	0	0	0	0	0	0	0	0	60
Lowland Mixed Forest	58	0	0	3	5	0	0	0	0	66
Mixed Upland Deciduous	8	0	0	0	0	0	0	0	0	8
Natural Mixed Pines	0	0	0	29	0	0	0	0	0	29
Northern Hardwood	0	0	0	23	0	0	0	0	0	23
Total	125	0	0	55	5	0	0	0	0	185

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	185	0	0	0	0	0	91	0	0	276
Next Step	42	0	0	0	0	0	143	0	0	185
Total	227	0	0	0	0	0	234	0	0	461



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
4	41017004-Cut	7.8	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription cut all trees except hemlock, oak, white pine and cedar. Place retention patches in areas heavy to paper birch if possible.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

5	41017005-Cut	20.1	42290 - Natural Mixed Pine	Sawtimber Well	80	81-110	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Leave some good quality red pine and white pine seed trees. Leave all hemlock and oak also. Exclude hemlock if too thick for operation.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

6	41017006-Cut	17.3	4134 - Aspen, Spruce/Fir	Poletimber Well	76	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription cut all trees except hemlock, oak, white pine and cedar. Place retention patches in areas heavy to paper birch if possible.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

8	41017008-Cut	24.6	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	83	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription cut all trees except hemlock, oak, white pine and cedar. Place retention patches in areas heavy to paper birch if possible.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
9	41017009-Cut	33.1	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	96	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees except hemlock and oak. Leave some scattered red pine and white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/10/2012

10	41017010-Cut	2.6	613 - Lowland Mixed Forest	Poletimber Well	81	81-110	Harvest	Seed Tree with Retention	612 - Lowland Coniferous Forest	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except hemlock and oak. Leave some scattered red pine and white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/10/2012

11	41017011-Cut	5.2	613 - Lowland Mixed Forest	Poletimber Well	76	81-110	Harvest	Shelterwood with Retention	613 - Lowland Mixed Forest	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except hemlock and oak. Leave some scattered red pine and white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/10/2012

12	41017012-Monitor	19.2	330 - Low-Density Trees	Nonstocked		Unspecified	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription check regeneration

Specs:

Next Step

Treatments:

Acceptable any species onsite

Regen:

Other

Percent to Treat = 100%

Comment:

Proposed Start Date: 10/01/2026



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
13	41017013- Monitor	5.7	330 - Low-Density Trees	Nonstocked		Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> check regeneration											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/21/2026											
15	41017015- Monitor	27.8	330 - Low-Density Trees	Nonstocked		Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> check regeneration											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2026											
16	41017016- Monitor	2.6	330 - Low-Density Trees	Nonstocked		Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> check regeneration											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 03/21/2016											
17	41017017- Monitor	3.6	330 - Low-Density Trees	Nonstocked	0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 03/21/2016											



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
18	41017018-Monitor	25.0	330 - Low-Density Trees	Nonstocked	0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> check regeneration											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2026											
19	41017019-Monitor	5.5	330 - Low-Density Trees	Nonstocked		Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 03/21/2016											
20	41017020-Monitor	2.0	330 - Low-Density Trees	Nonstocked		Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> check regeneration											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
21	41017021-Cut	42.3	4134 - Aspen, Spruce/Fir	Poletimber Well	76	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees except hemlock and oak.											
<u>Specs:</u>											
<u>Next Step</u> Harvest, Clearcut with Retention											
<u>Treatments:</u>											
<u>Acceptable</u> any species onsite											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/10/2012											



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
25	41017025-Cut	23.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	80	81-110	Harvest	Seed Tree with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Cut all trees except hemlock, oak, yellow birch, and cherry. May need to VBAR cruise the stand due to red maple log volumes.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

32	41017032-Cut	8.7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	90	111-140	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition: No Markets

Prescription Leave some red pine and white pine for seed. Do not cut hemlock and oak if present. Less than 3% retention is acceptable.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable any species onsite

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

Total Treatment Acreage Proposed: 276.3

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 17
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions				
		With Condition				4A	5C	2H	3L	5E
93	89	0		4	Aspen					4
326	326	0		0	Cedar					
38	0	0		38	Hemlock				38	
91	91	0		0	Low-Density Trees					
8	8	0		0	Lowland Aspen/Balsam Poplar					
117	94	24		0	Lowland Conifers		24			
29	29	0		0	Lowland Deciduous					
95	95	0		0	Lowland Mixed Forest					
582	582	0		0	Lowland Shrub			0		
6	6	0		0	Lowland Spruce/Fir					
8	8	0		0	Mixed Upland Deciduous					
29	20	9		0	Natural Mixed Pines	9				
23	23	0		0	Northern Hardwood					
1,447	1,372	32		42	Total Forested Acres	9	24	0	38	4
	95%	2%		3%	Relative Percent					

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3L: Other wildlife concerns	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: hemlock stand							
2	Unavailable	3L: Other wildlife concerns	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: hemlock stand							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 17
Year of Entry: 2018

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treatment of this stand, if desired and feasible should be combined with compartment to the south.							
6	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand is located between 2 creeks and was left when adjacent aspen stands were set up.							
7	Available	4A: No Markets Available for these Forest Products	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand alone will not sell. Keep prescription on stand and hopefully combine with adjacent compartments.							



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
	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area	Proposed SCA	40
Comments Check to see if meets type 2 old growth criteria.				
	Potential Old Growth		SCA Removal	37
Comments Does not meet current SCA criteria.				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	40.3	70	51-80	
3	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	23.5	85	81-110	
4	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	7.8	81	81-110	Stand is on contract, Thumbs Up Sale (41-032-08-01). Cruise volumes were 38 cords paper birch, 42 cords of mixed aspen, and 107 cords mixed hardwood, 5 cords fir, 2 cords black spruce. As of today this stand has not been harvested yet. The residual values to be left following harvest are: 4 sq. ft. paper birch, 2 sq. ft. hemlock, and 1 sq. ft. White Pine. TS: 41-032-08-01 was cancelled, no cutting took place.
5	42290 - Natural Mixed Pine	Sawtimber Well	20.1	80	81-110	
6	4134 - Aspen, Spruce/Fir	Poletimber Well	17.3	76	81-110	Stand is on contract, Thumbs Up Sale (41-032-08-01). As of today this stand has not been harvested yet. Cruise volumes were 36 cords paper birch, 11 fir, 34 black spruce, 64 aspen, 106 hardwood. TS: 41-032-08-01, sale was cancelled, no cutting took place.
7	4134 - Aspen, Spruce/Fir	Sapling Well	14.6	22	1-50	
8	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	24.6	83	81-110	Stand is on contract, Thumbs Up Sale (41-032-08-01). As of today it has not been harvested yet. Cruise volumes were 11 cords paper birch, 62 cords black spruce, 131 cords cedar, 17 cords tamarack, 56 cords mixed hardwood. TS: 41-032-08-01, sale was cancelled, no cutting took place.
9	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	33.1	96	81-110	Stand is currently on contract with sale 41-017-11-01, Middle Earth. As of today, it has not been harvested. Current cruise volumes are as follows: 21 MBF white pine, 42 cords mix hwd, 36 cords paper birch, 16 cords aspen, 106 cords fir, 442 cords cedar, 73 cords tamarack, 50 cords white pine. Residuals basal areas of mixed pine is 25 sq. ft.
10	613 - Lowland Mixed Forest	Poletimber Well	2.6	81	81-110	Stand is currently on contract with sale 41-017-11-01, Middle Earth. As of today, it has not been harvested.
11	613 - Lowland Mixed Forest	Poletimber Well	5.2	76	81-110	Stand is currently on contract with sale 41-017-11-01, Middle Earth. As of today, it has not been harvested.
14	4130 - Aspen	Poletimber Medium	10.6	22	1-50	Alder pockets throughout, beaver activity.
21	4134 - Aspen, Spruce/Fir	Poletimber Well	42.3	76	81-110	Stand is currently on contract with sale 41-017-11-01, Middle Earth. As of today, it has not been harvested yet. Current cruise volumes are as follows: mix hardwood - 151 cords, paper birch - 79 cords, aspen 130, fir 49, black spruce 41, cedar 10, white pine 8.
22	6120 - Lowland Cedar	Poletimber Medium	5.6	70	51-80	

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Shingleton Mgt. Unit

Report 7 – Forested Stands

Compartment: 17
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	21.5	76	51-80	
24	4136 - Aspen, Mixed Conifer	Sapling Well	4.3	22	1-50	
25	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.2	80	81-110	Partially harvested in the past, old orange paint still present.
26	42350 - Upland Hemlock	Sawtimber Well	21.6	76	111-140	Factor for hemlock cutting restraints.
28	6120 - Lowland Cedar	Poletimber Well	40.2	65	81-110	Believed to be old growth in the past but 3 stick cedar, not type 2 O.G.
30	6120 - Lowland Cedar	Poletimber Well	53.3	70	81-110	
32	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	8.7	90	111-140	
33	6120 - Lowland Cedar	Sawtimber Medium	77.6	70	51-80	
34	6120 - Lowland Cedar	Poletimber Well	55.3	76	81-110	
35	6120 - Lowland Cedar	Poletimber Well	15.8	70	81-110	
36	4139 - Aspen, Mixed Deciduous	Poletimber Well	4.0	65	81-110	
37	6120 - Lowland Cedar	Poletimber Well	24.7	70	81-110	
38	6120 - Lowland Cedar	Poletimber Poor	6.8	60	1-50	
39	6120 - Lowland Cedar	Poletimber Well	2.8	76	81-110	
40	6120 - Lowland Cedar	Poletimber Well	36.2	70	81-110	
41	6120 - Lowland Cedar	Poletimber Well	7.6	70	81-110	
42	6122 - Black Spruce	Poletimber Medium	6.2	50	51-80	overstory of mixed deciduous is dying and converting to black spruce.
44	612 - Lowland Coniferous Forest	Poletimber Well	31.9	75	81-110	

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Shingleton Mgt. Unit

Report 7 – Forested Stands

Compartment: 17
Year of Entry: 2018



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	613 - Lowland Mixed Forest	Sapling Well	29.5	40	1-50	
49	6118 - Lowland Deciduous with Cedar	Sapling Poor	29.2	50	1-50	
50	6112 - Lowland Aspen	Sapling Well	8.1	30	1-50	
51	42350 - Upland Hemlock	Sawtimber Well	16.8	70	111-140	factor- hemlock restraint



Stand	Cover Type	Acres	Managed Site	General Comments:
1	6220 - Alder/willow	229.1	No	
12	330 - Low-Density Trees	19.2		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE. 15 sq. ft of mixed red pine and white pine residual basal area is present.
13	330 - Low-Density Trees	5.7		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE. 70 feet of residual red pine and white pine were left and marked in green within this stand. If we ever get back out here we should harvest stand again and cut the green trees.
15	330 - Low-Density Trees	27.8		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE.
16	330 - Low-Density Trees	2.6		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE.
17	330 - Low-Density Trees	3.6		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE.
18	330 - Low-Density Trees	25.0		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE.
19	330 - Low-Density Trees	5.5		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE.
20	330 - Low-Density Trees	2.0		Stand is currently on contract with sale 41-017-11-01, Middle Earth. It has been harvested in winter of 2014 and contract is still open. Will need regeneration walkthrough next YOE.
27	6220 - Alder/willow	180.7	No	
29	6220 - Alder/willow	3.6	No	
31	6220 - Alder/willow	50.0	No	
43	6220 - Alder/willow	8.8	No	
45	6220 - Alder/willow	59.4	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
47	6220 - Alder/willow	15.1	No	
48	6220 - Alder/willow	35.8	No	