



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41004

Entry Year 2019

Acreage: 1,488

County Schoolcraft

Management Area: Fox River Complex

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**Revision Date:** 2017-07-14

**Stand Examiner:** Sheila Clark

**Legal Description:**

T45N R13W Sections 4, 5, 9, 16

**Identified Planning Goals:**

The main goal in this compartment is to conduct multiple resource management for current and future generations.

**Soil and topography:**

The topography in this compartment is mainly flat with the only real elevation in the NE corner. Two main soil types found in the compartment are Wallace sands, naturally low in fertility on the high ground and the low ground is made up of mucks and/or peat. The LTS's for this compartment are Seney Drainage in the NE part and Seney Channel Fens to the SW.

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

Ownership within the compartment is all State Lands. East of the compartment is the Seney Wildlife Refuge with more State Lands to the West.

**Unique Natural Features:**

East of the compartment is the Seney Wildlife Refuge.

**Archeological, Historical, and Cultural Features:**

N/A

**Special Management Designations or Considerations:**

The Fox River flows through the compartment and is considered a high quality trout stream and an wild and scenic river.

**Watershed and Fisheries Considerations:**

The Fox River is found within this compartment. The Fox River supports good natural reproduction of brook trout and provides excellent nursery habitat for young fish and provides habitat for large, adult fish. 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:**

Located south of Seney and east of M-77, this compartment is dominated by wetlands. The Fox River courses through the center of the compartment. A marsh/low pine ridge complex dominates the area lying between M-77 and the Fox River. During pre-settlement times, the uplands within this compartment supported a mix of primarily hemlock, white pine, red maple and red pine. The lowland forests were dominated by tamarack and spruce with an element of cedar, black ash and elm.

The current forest cover on the ridges, within the marsh complex, exhibits a substantial increase in red pine and a corresponding decrease in the amount of hemlock and white pine. The uplands in the northwest corner of the compartment contain substantially more aspen than than was found circa 1850. Lowland forests within this compartment appear similar in species composition to the pre-settlement times.

The wildlife habitat management regime consists of allowing for natural succession in the marsh/ridge complex, protecting the hydrology of the Fox River, promoting aspen age class diversity and enhancing species and structural diversity within the northern hardwoods.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 200 feet. The Ordovician Stonington Formation and Utica Shale sub-crop below the glacial drift. The Stonington could be used for stone. Gravel pits at 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:**

M-77 is the boundary to the West with no real forest roads because of the amount of marsh area. County Road 456 allows good access to the high ground east of the Fox River.

**Survey Needs:**

N/A

**Recreational Facilities and Opportunities:**

The snowmobile trail follows County Road 456 in the compartment.

**Fire Protection:**

Fire response to the area will be fast because of the close proximity to the Seney Field Office. There is more potential for a wild land fire during a very dry season.

**Additional Compartment Information:****The following reports from the Inventory are attached:**

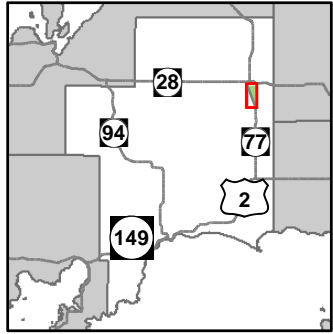
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

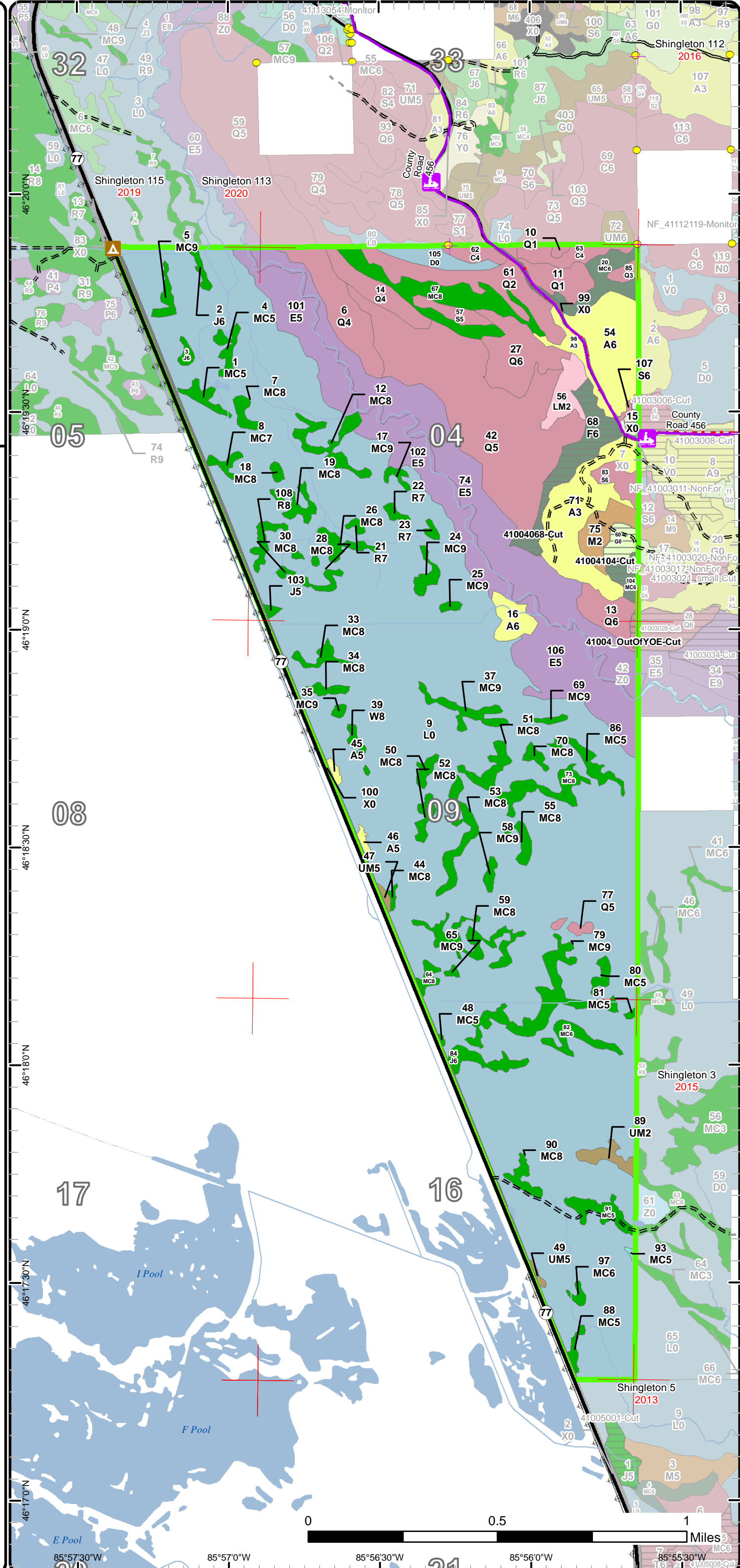
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 4  
 T45N,R13W, Sec: 4, 5, 9, 16  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Fox River Complex  
 YOE: 2019  
 Acres: 1,488 GIS Calculated  
 Examiner: Sheila Clark  
 Map Revised: 7/30/2018  
 Map Phase: Post Review



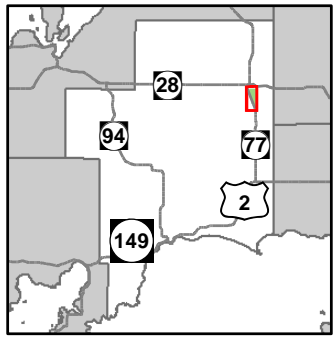
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State Highway
- == Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Campground
- ⊕ Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated
- Lakes



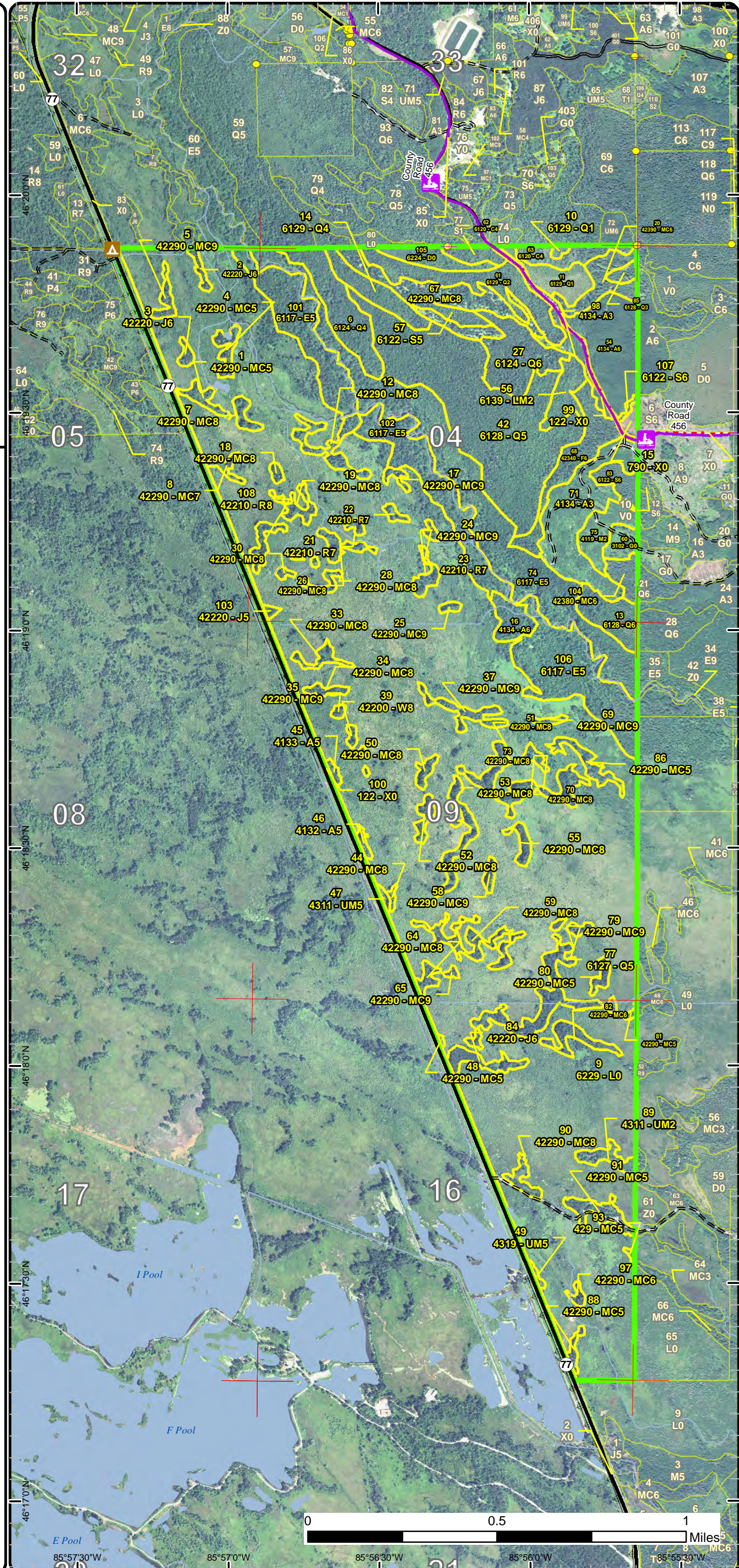


# Stand Boundary Map

Compartment: 4  
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- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
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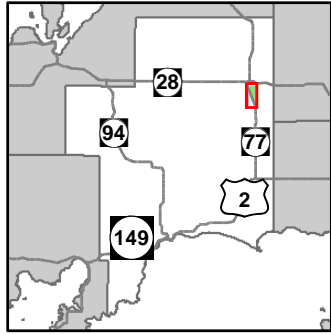


85°57'30"W    85°57'0"W    85°56'30"W    85°56'0"W    85°55'30"W  
 46°17'0"N    46°17'30"N    46°18'0"N    46°18'30"N    46°19'0"N

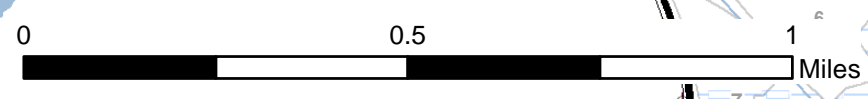
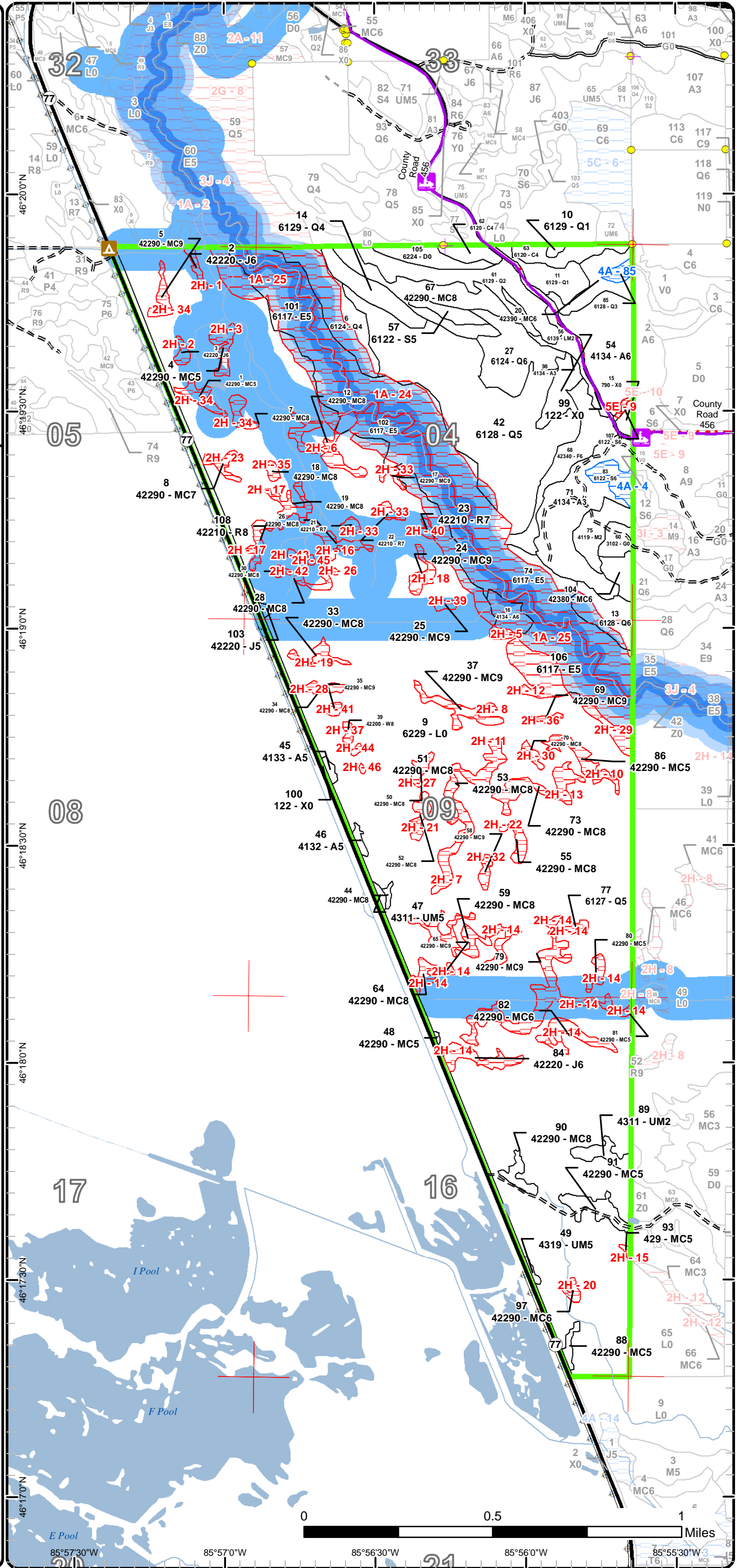


# Special Conservation Areas & Site Conditions Map

Compartment: 4  
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- Counties
- DNR - Secondary Forest Road
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- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Campground
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products
- 1A: Federal/State/Local Law
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer



46°20'0"N 46°19'0"N 46°18'30"N 46°18'0"N 46°17'30"N 46°17'0"N  
 85°57'30"W 85°57'0"W 85°56'30"W 85°56'0"W 85°55'30"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	30	0	30	0	2	0	0	0	0	6	0	0	0	0	0	0	0	68
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Cedar	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jack Pine	0	0	0	0	0	1	0	4	0	3	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	10	0	0	0	10	151	0	4	0	0	0	0	0	0	0	175
Lowland Deciduous	0	0	0	0	0	0	0	0	157	0	0	0	0	0	0	0	0	0	157
Lowland Mixed Forest	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Shrub	828	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	828
Lowland Spruce/Fir	0	0	0	0	1	0	0	0	4	0	5	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	0	0	0	4	0	0	16	113	0	0	0	0	0	0	0	133
Northern Hardwood	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Red Pine	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Treed Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Conifers	0	0	0	0	0	0	0	5	0	10	0	0	0	0	0	0	0	0	15
Upland Mixed Forest	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	16
Urban	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
White Pine	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
<b>Total</b>	<b>867</b>	<b>39</b>	<b>0</b>	<b>40</b>	<b>13</b>	<b>4</b>	<b>4</b>	<b>19</b>	<b>323</b>	<b>45</b>	<b>135</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1489</b>



## Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 4

Total Compartment Acres: 1,488

Commercial Harvest - 28  
 Harvests with Site Condition - 0  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	2
Lowland Conifers	1	0	0	0	0	0	0	0	0	1
Northern Hardwood	4	0	0	0	0	0	0	0	0	4
Upland Conifers	5	0	0	0	0	0	0	0	0	5
Upland Spruce/Fir	16	0	0	0	0	0	0	0	0	16
<b>Total</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	28	0	0	0	0	0	0	0	0	28
Next Step	0	25	20	0	0	32	0	0	0	78
<b>Total</b>	<b>28</b>	<b>25</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105</b>



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	41004_OutOfY OE-Cut	1.0	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	75	81-110	Harvest	Clearcut with Retention	6129 - Mixed Coniferous Lowland Forest	Even-Aged	Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Clearcut this stand reserve 3-7 percent of stand along Fox River corridor. Reserve all white pine, cedar and red pine also any hemlock and oak  
Specs: that occur in the sale area.

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Any species currently on site.  
Regen:

Other Combine with the other stands in the area this site is wet and as a result will need to be cut in winter or dry summer. If this stand is cut in the  
Comment: winter snowmobile issues will have to be addressed and the Seney snowmobile club will have to be contacted. Old next step comments:  
 Acceptable regeneration is a mix of species on site primarily red maple, spruce and fir. Check regeneration in accordance with work instructions.  
 If regeneration fails consider seeding spruce and cedar or other alternatives that TMS approves of.

Proposed Start Date: 10/01/2014

15	41004015-Cut	1.7	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clear-cut stand, leave retention along bog. leave all White pine, Red pine, hemlock and oak.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable spruce  
Regen:

Other this stand is Black spruce not Aspen.  
Comment:

Proposed Start Date: 10/01/2008

75	41004060-Cut	4.4	4119 - Mixed Northern Hardwoods	Sapling Medium	6	Immatur re	Harvest	Clearcut	212 - Non-tilled Herbaceous Agriculture		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription This is opening maintenance, no retention.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Other - Specify  
Treatments:

Acceptable Grass  
Regen:

Other There may be an old logging camp in the northern part of the stand. Will confirm at a later date. If this is the case, treatment shape will be  
Comment: modified to leave area undisturbed.

Proposed Start Date: 10/01/2018

68	41004068-Cut	15.6	42340 - Upland Spruce/Fir	Poletimber Well	83	111- 140	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Harvest all trees leaving retention along the edge. Protect drains. Do not cut cedar.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant  
Treatments:

Acceptable Any current species.  
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
104	41004104-Cut	4.8	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	65	111- 140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary

**Habitat Cut: No**

**Site Condition:**

Prescription Harvest all trees living retention along edge. Stand could be cut in the summer, Access road has some steep hills that could be an issue.

Specs: Consider opening maintenance in stand 60.

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)  
Treatments:

Acceptable Any current species.

Regen:

Other May want to consider artificial regen. Higher ground could possible support red or jack pine.

Comment:

Proposed Start Date: 10/01/2018

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**Total Treatment  
Acreage Proposed: 27.5**

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Sheila Clark : Examiner

Compartment: 4

Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions				
		With Condition				4A	5C	1A	2H	5E
68	37	0		31	Aspen			5	1	24
2	2	0		0	Bare/Sparsely Vegetated					0
11	11	0		0	Cedar		0			
4	4	0		0	Herbaceous Openland					
8	1	0		7	Jack Pine				7	
175	139	2		34	Lowland Conifers	2		24	2	9
157	5	0		152	Lowland Deciduous			139	13	
8	8	0		0	Lowland Mixed Forest					
828	807	0		22	Lowland Shrub			22		
10	4	5		1	Lowland Spruce/Fir	5				1
133	31	0		102	Natural Mixed Pines			0	101	
9	9	0		0	Northern Hardwood					
5	0	0		5	Red Pine			0	5	
7	7	0		0	Treed Bog					
15	14	0		0	Upland Conifers				0	
5	5	0		0	Upland Mixed Forest					
16	16	0		0	Upland Spruce/Fir					0
26	22	0		4	Urban					4
1	0	0		1	White Pine				1	
1,488	1,121	7		359	Total Forested Acres	7	0	190	131	38
	75%	0%		24%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Very difficult to access due to drains and low ground.							



Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 4

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Year of Entry: 2019

2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit

Compartment: 4

Sheila Clark : Examiner

Year of Entry: 2019

8	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 4

Sheila Clark : Examiner

Year of Entry: 2019

14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

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19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	1A: Federal/State/Local Law	86	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



**Report 4 – Site Conditions**

Shingleton Mgt. Unit  
Sheila Clark : Examiner

Compartment: 4  
Year of Entry: 2019

25	Unavailable	1A: Federal/State/Local Law	99	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Sheila Clark : Examiner

Compartment: 4

Year of Entry: 2019

32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Difficult access, aesthetic issues, low acreage.							
35	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 4

Sheila Clark : Examiner

Year of Entry: 2019

37	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Sheila Clark : Examiner

Compartment: 4

Year of Entry: 2019

43	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
85	Available	4A: No Markets Available for these Forest Products	2	2G: Too wet (sensitive soils, does not include access issues)	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

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**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.
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	42290 - Natural Mixed Pine	Poletimber Medium	2.7	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017-Stand is healthy, but should be cut. Stand does not meet old growth criteria. There is a trail through this stand and there is no drain on the eastern end.
2	42220 - Natural Jack Pine	Poletimber Well	1.5	81	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same.  2017 - Stand still looks healthy, but is blocked by physical access. Stand does not meet old growth criteria.
3	42220 - Natural Jack Pine	Poletimber Well	1.2	81	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is surrounds by lots of water, will not be able to cut. Stand does not meet old growth criteria.
4	42290 - Natural Mixed Pine	Poletimber Medium	3.0	81	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy, but no access. Stand does not meet old growth criteria.
5	42290 - Natural Mixed Pine	Sawtimber Well	2.3	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017-Stand is healthy, but should be cut. Stand does not meet old growth criteria.
6	6124 - Lowland Spruce-Fir	Poletimber Poor	18.3	75	1-50	OPIC - FMD: Stand is similar to stand 27 with the low ground and seep areas but with less BA and not as contiguous.3027 - Stand is not merchantable, very low ba and low ground.
7	42290 - Natural Mixed Pine	Sawtimber Medium	2.2	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017-Stand is healthy, but should be cut. Stand does not meet old growth criteria.
8	42290 - Natural Mixed Pine	Sawtimber Poor	1.9	91	51-80	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017- This stand is made up of 3 little islands. Not a lot of volume. Could cut or leave. Stand does not meet old growth criteria.
10	6129 - Mixed Coniferous Lowland Forest	Sapling Poor	0.8	61	Unspecified	2017 - Stand is very low and unproductive.
11	6129 - Mixed Coniferous Lowland Forest	Sapling Poor	8.9	61	Unspecified	2017 - Stand is very low, with trees starting to encroach.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
12	42290 - Natural Mixed Pine	Sawtimber Medium	6.5	91	171-200	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same. The East side of the stand would also fall under the Natural Rivers management plan for the Fox River.  2017 - Could not access stand due to flowing water. No harvest due to Fox River and access issues. Group of 6 islands. Stand does not meet old growth criteria.
13	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.4	75	81-110	OPIC - FMD: Low ground. Would have to be a winter cut. Stand also has white birch/black ash. Stand carries over into cmpt 3 to the East, treat at the same time. 2017 - There are lots of drains flowing towards the Fox River. Stand has not changed much since last inventory. Could harvest parts of stand to north and east with adjacent compartment. Trees get smaller further south. There is very little understory or young regeneration in the stand. Part of the stand is in timber sale Broken Gun 41-001-15-01.
14	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	9.8	21	1-50	OPIC - FMD: Was originally lowland marsh  2017 - Stand is slowly starting to fill in, very low and not very productive.
16	4134 - Aspen, Spruce/Fir	Poletimber Well	6.2	91	111-140	OPIC - FMD: HCVA - Fox River Plan. Stand is within the area managed under the Natural Rivers Plan for the Fox River.
17	42290 - Natural Mixed Pine	Sawtimber Well	1.3	91	171-200	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand does not meet old growth criteria.
18	42290 - Natural Mixed Pine	Sawtimber Medium	0.9	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is not old growth, but is very difficult to access for harvesting purposes. No activity.
19	42290 - Natural Mixed Pine	Sawtimber Medium	3.0	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is not as well stocked as stand 108. There is timber that could be very cut, but it will be difficult to be access due to low ground. Stand does not meet old growth criteria.
20	42390 - Mixed Non- Pine Upland Conifers	Poletimber Well	9.5	83	81-110	OPIC - FMD: Stand looks good. Fir in the understory is starting to become more merchantable.  2017 - Stand is variably stocked and healthy, no budworm damage. No harvest at this time.
21	42210 - Natural Red Pine	Sawtimber Poor	0.8	91	51-80	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 A healthy stand. Stand does not meet old growth criteria.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42210 - Natural Red Pine	Sawtimber Poor	1.1	91	51-80	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy. Stand does not meet old growth criteria.
23	42210 - Natural Red Pine	Sawtimber Poor	0.9	91	51-80	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is Healthy. Stand does not meet old growth criteria.
24	42290 - Natural Mixed Pine	Sawtimber Well	2.5	91	51-80	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy. Is not old growth. Difficult to access. Stand does not meet old growth criteria.
25	42290 - Natural Mixed Pine	Sawtimber Well	0.8	91	171-200	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 Stand is healthy, but inaccessible. Stand does not meet old growth criteria.
26	42290 - Natural Mixed Pine	Sawtimber Medium	3.0	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy, but difficult to access. Stand does not meet old growth criteria.
27	6124 - Lowland Spruce-Fir	Poletimber Well	18.0	75	81-110	OPIC - FMD: Low ground. Stand would have to be treated in the winter. Did not see any but there are indications that small seeps are present and could create problems with logging.  2017 - Stand is mostly 6-8 inch diameter trees.
28	42290 - Natural Mixed Pine	Sawtimber Medium	1.7	91	51-80	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy, inaccessible and not old growth.
30	42290 - Natural Mixed Pine	Sawtimber Medium	1.3	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same 2017 - Stand is still present. Not old growth.
33	42290 - Natural Mixed Pine	Sawtimber Medium	2.4	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same 2017 - No change. Not old growth.
34	42290 - Natural Mixed Pine	Sawtimber Medium	1.7	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change. Stand is healthy could cut or leave. Not old growth.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	42290 - Natural Mixed Pine	Sawtimber Well	0.7	91	111-140	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No Change. Difficult access. Not old growth.
37	42290 - Natural Mixed Pine	Sawtimber Well	4.5	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change, inaccessible and not old growth.
39	42200 - Natural White Pine	Sawtimber Medium	1.4	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same2017 - No change, inaccessible and not old growth.
42	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	85.0	75	51-80	OPIC - FMD: Stand is similar to stand 27 with the low ground and seep areas but with less BA and not as contiguous. Thin with adjacent stand.2017 - This is a large stand that has a lot of variety. It has pockets of timber with cedar in it and other areas for small sub-merchantable saplings. No spruce budworm observed.
44	42290 - Natural Mixed Pine	Sawtimber Medium	0.6	91	111-140	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy could cut or leave. Stand does not meet old growth criteria.
45	4133 - Aspen, Mixed Pine	Poletimber Medium	0.8	41	51-80	OPIC - FMD: Fringe along M-77, SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 Stand is healthy but slow growing could leave for next entry. Stand does not meet old growth criteria.
46	4132 - Aspen, Jack Pine	Poletimber Medium	1.0	41	81-110	OPIC - FMD: FRINGE ALONG M-77, SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy and could be held for next entry. Stand does not meet old growth criteria.
47	4311 - Pine, Aspen Mix	Poletimber Medium	0.7	41	51-80	OPIC - FMD: FRINGE ALONG M-77, SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand is healthy. Stand does not meet old growth criteria.
48	42290 - Natural Mixed Pine	Poletimber Medium	0.2	41	81-110	OPIC - FMD: FRINGE ALONG M-77, SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand still looks healthy. Does not meet POG criteria.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	4319 - Mixed Upland Forest	Poletimber Medium	0.6	41	81-110	OPIC - FMD: FRINGE ALONG M-77, SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Small stand, healthy for being on low ground. No activity. Does not meet POG criteria.
50	42290 - Natural Mixed Pine	Sawtimber Medium	1.7	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change, inaccessible and not old growth.
51	42290 - Natural Mixed Pine	Sawtimber Medium	3.9	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change, difficult to access, not old growth.
52	42290 - Natural Mixed Pine	Sawtimber Medium	2.4	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change, difficult to access, not old growth.
53	42290 - Natural Mixed Pine	Sawtimber Medium	5.9	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change, difficult to access, not old growth.
54	4134 - Aspen, Spruce/Fir	Poletimber Well	24.4	29	Immature	OPIC - FMD: Stand is starting to get some merchantable sticks in it. There is also fir, spruce and a couple white pine coming up in the understory.  2017 - Stand looks healthy.
55	42290 - Natural Mixed Pine	Sawtimber Medium	2.3	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change, difficult to access, not old growth.
56	6139 - Mixed Lowland Forest	Sapling Medium	7.5	31	Immature	OPIC - FMD: OI Stand Year Origin was  2017 - Stand is low and slow growing, healthy. It is a little higher ground by the road. No activity.
57	6122 - Black Spruce	Poletimber Medium	4.1	76	51-80	OPIC - FMD: OI Stand Year Origin was  2017 - Stand is starting to fill in. No activity.
58	42290 - Natural Mixed Pine	Sawtimber Well	1.4	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand has not changed, healthy. No activity. Stand does not meet old growth criteria.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	42290 - Natural Mixed Pine	Sawtimber Medium	7.4	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Does not met POG criteria. Stand is healthy.
61	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	20.1	76	1-50	OPIC - FMD: OI Stand Year Origin was  2017 - Stand is low and unproductive.
62	6120 - Lowland Cedar	Poletimber Poor	3.9	75	51-80	OPIC - FMD: Not doing well because of high water table and low SI. Trees are relatively dense but with poor height.  2017 Stand has not changed much, slowly growing. No activity.
63	6120 - Lowland Cedar	Poletimber Poor	7.0	75	51-80	OPIC - FMD: Not doing well because of high water table and low SI. Trees are relatively dense but with poor height.  2017 - Stand is slow growing and not much change, starting to fill in. No activity.
64	42290 - Natural Mixed Pine	Sawtimber Medium	1.9	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Red Pine is starting to die. Road through stand. Stand does not meet old growth criteria.
65	42290 - Natural Mixed Pine	Sawtimber Well	0.5	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Red Pine is starting to die. It is a sparsely stocked stand with lots of tag alder. However, since it is right next to stand 64 it can be harvested then. Stand does not meet old growth criteria.
67	42290 - Natural Mixed Pine	Sawtimber Medium	20.0	91	81-110	OPIC - FMD: MIX OF RED PINE, BIRCH, ASPEN, MAPLE AND WHITE PINE. This stand is supported on a ridge surrounded by a D type. Next entry look at stand again and see if it should be treated with adjacent Q types.  2017 - Stand is healthy could leave or cut.
68	42340 - Upland Spruce/Fir	Poletimber Well	15.7	83	111-140	OPIC - FMD: Low ground with potential for seeps. Stand will need to be treated in the winter months. Fir is starting to become merchantable. Treat with surrounding stands. 2017 Stand is variably stocked, with more sub-merchantable on the southern end. Could harvest or leave. No budworm issues at this point.
69	42290 - Natural Mixed Pine	Sawtimber Well	0.9	91	81-110	OPIC - FMD: 20% OR MORE BEETLE DAMAGE ON MATURE RED PINE. SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same. Some of the tree that had damage are now dead or close to it.  2017 - Stand in similar conditions to previous inventory. Continuing to decline, but inaccessible. Stand does not meet old growth criteria.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
70	42290 - Natural Mixed Pine	Sawtimber Medium	1.4	91	81-110	<p>OPIC - FMD: 20% OR MORE BEETLE DAMAGE ON MATURE RED PINE. SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same. Some of the trees that had damage are either dead or dying.</p> <p>2017 - Stand is in similar condition as last entry. Still inaccessible. Stand does not meet old growth criteria.</p>
71	4134 - Aspen, Spruce/Fir	Sapling Well	30.2	6	Immature	<p>OPIC - FMD: Stand has a good mix of spp. The terrain is hilly to flat and wet. It would be best for this stand to be cut during a dry summer to protect soil. If not possible then a winter cut may be needed. There is an old two-track that will be usable for harvesting. Leave some large white pine. Use the edge trees and/or the spot in the middle of the stand where there is a patch of more unmerchantable trees for retention. 99 = mostly red maple and some spruce. There is also about a 3 acre patch of mainly fir in the SE corner. This should be treated with the stand. [4-2-10] Stand is now under contract TS 41-020-09-01 Little Italy. [8-10-12] Sale is now closed/completed TCR dtd 7-3-12. A 2" DBH cutting spec was used vice an FTP for aspen TSI.</p> <p>2017 - Stand has regenerated very well. No activity.</p>
73	42290 - Natural Mixed Pine	Sawtimber Medium	6.5	91	141-170	<p>OPIC - FMD: 20% OR MORE BEETLE DAMAGE TO MATURE RED PINE. SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same. Some of the trees that were damaged have died or on their way out.</p> <p>2017 - No change, inaccessible. Stand does not meet old growth criteria.</p>
74	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	71.6	75	81-110	<p>OPIC - FMD: HCVA - POG - This stand is potential old growth plus, it is a part of the Fox River Plan. High amount of mortality due to flooding.</p> <p>2017 - Stand is along the Fox River. No activity. No change from last inventory. Ash still looks healthy. Stand does not meet old growth criteria.</p>
75	4119 - Mixed Northern Hardwoods	Sapling Medium	8.8	6	Immature	<p>OPIC - FMD: Stand is in the center of the aspen stand 71. [comment for stand 71- treat at same time as this standIt would be best for this stand to be cut during a dry summer to protect soil. If not possible then a winter cut may be needed.] There is a pretty good amount of aspen in the stand mostly just becoming merchantable. The other is large over mature trees. The beech in the stand are all infected with scale. Final harvest the stand to convert to aspen. Save what yellow birch is present and some of the white pine and maybe white birch to meet retention guidelines.[4-2-10] Stand is now under contract TS 41-020-09-01 Little Italy.8-10-12] Sale is now closed/completed TCR dtd 7-3-12. A 2" DBH cutting spec was used vice an FTP for aspen TSI.2017 - Some yellow birch left from previous cutting. Stand is healthy and regenerating well. 70-75% stocking some beech regeneration, but not a lot. Hilly terrain.</p>
77	6127 - Lowland Pine	Poletimber Medium	1.6	91	51-80	<p>OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same</p> <p>2017 - Conditions are the same. Could harvest along with stand 79. Stand does not meet old growth criteria.</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
79	42290 - Natural Mixed Pine	Sawtimber Well	12.9	91	111-140	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand has variable stocking. Can be harvested. Stand does not meet old growth criteria.
80	42290 - Natural Mixed Pine	Poletimber Medium	1.8	51	111-140	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same.  2017 - Stand is in the same condition, may be accessible if can cut stand 79. Stand does not meet old growth criteria.
81	42290 - Natural Mixed Pine	Poletimber Medium	0.5	51	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change and no activity - inaccessible. Stand does not meet old growth criteria.
82	42290 - Natural Mixed Pine	Poletimber Well	4.5	91	81-110	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Not much change, will be difficult to access, but maybe. Stand does not meet old growth criteria.
83	6122 - Black Spruce	Poletimber Well	5.3	98	81-110	OPIC - FMD: SPARSE STOCKING, SURPRESSED TREES. Stand is very low ground. There is a seep that runs out to the west and crosses stands 75 and 71 to flow into stand 68.  2017- Spruce is growing, but slow. lots of sub-merchantable trees. No activity.
84	42220 - Natural Jack Pine	Poletimber Well	4.3	61	51-80	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - Stand in similar condition, could harvest. Still healthy. Stand does not meet old growth criteria.
85	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	2.0	98	1-50	OPIC - FMD: SPARSE STOCKING, SURPRESSED TRESS. Due to the extremely high water table stand will probably never produce merchantable timber for a sale.  2017 - No change.
86	42290 - Natural Mixed Pine	Poletimber Medium	4.0	86	111-140	OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same  2017 - No change, inaccessible. Stand does not meet old growth criteria.
88	42290 - Natural Mixed Pine	Poletimber Medium	1.4	51	81-110	OPIC - FMD: PAST INVENTORY CALLS FOR CLEAR CUT THIS PERIOD. Access maybe a problem because of the water issues. If cut leave trees to meet retention guidelines.  2017 - Trees look healthy. No activity.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
89	4311 - Pine, Aspen Mix	Sapling Medium	3.8	31	Immature	OPIC - FMD: Couple large red pine that were left. Others have blown down. There is some red pine and white pine seedlings.  2017 - Good regeneration. No activity.
90	42290 - Natural Mixed Pine	Sawtimber Medium	2.6	86	81-110	OPIC - FMD: REMOVE JACK PINE. THIN RED AND WHITE PINE. [4/12/02] never made it into a sale, dropped cult work. [5/03] Added cult codes for cleaning/weeding of Glossy Buckthorn. DOC labor will remove buckthorn in conjunction with Seney NWR, and herbicide will be applied to the stumps. [12-18-06] Although it is not captured in the 2008 compartment review notes, it was decided at the review to show the previous FTP (W41-1188 burn, W41-1129 for cutting) as completed and issue a new FTP (W41-1331) that will allow SNWR personnel to do broadcast spraying of herbicide to control buckthorn. They have shown this is far more effective at controlling the plant and need to do this to prevent spreading on state land. [11/16/05 jb] area near the Holland Ditch was treated. Project is in conjunction with USF&W. Stems were piled and will be burned under a different FTP. FTP (W41-1331) hasn't been done yet.  2017 - Stand can be harvested along with other stands along the highway.
91	42290 - Natural Mixed Pine	Poletimber Medium	4.9	86	81-110	OPIC - FMD: REMOVE JACK PINE. THIN RED AND WHITE PINE. [4/12/02] never made it into a timber sale, dropped cult work. 2017 - Stand looks healthy, no activity at this time.
93	429 - Mixed Upland Conifers	Poletimber Medium	0.4	34	81-110	OPIC - FMD: REMOVE JACK PINE. THIN RED AND WHITE PINE. Access should be through stand found in cmpt 3.  2017 - Stand is healthy, was cut in the past. No activity.
97	42290 - Natural Mixed Pine	Poletimber Well	1.0	87	81-110	OPIC - FMD: PAST INVENTORY CALLS FOR CLEAR CUT THIS PERIOD. ACCESS IS A PROBLEM BECAUSE OF THE DRAIN.  2017 - No change.
98	4134 - Aspen, Spruce/Fir	Sapling Well	5.1	29	Immature	OPIC - FMD: Stand is starting to get some merchantable sticks in it. There is also fir, spruce and a couple white pine coming up in the understory.  2017 - Stand is healthy - moderately stocked, but slow growing. No activity.
101	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	24.7	75	81-110	OPIC - FMD: HCVA - POG - This stand is potential old growth plus, it is a part of the Fox River Plan. High amount of mortality due to flooding.  2017 - No change or activity, part of Fox River Plan. Stand does not meet old growth criteria.
102	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	25.6	75	81-110	OPIC - FMD: HCVA - POG - This stand is potential old growth plus, it is a part of the Fox River Plan. High amount of mortality due to flooding.  2017 - Stand has not changed. Part of Fox River Plan. No activity. Stand does not meet old growth criteria.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
103	42220 - Natural Jack Pine	Poletimber Medium	0.6	46	51-80	2017- Stand was previously part of lowland, but has timber on it that could be harvested. The stand is healthy, but if cutting stands along highway, could cut as well.
104	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	4.8	65	111-140	<p>OPIC - FMD: Stand has a good mix of spp. The terrain is hilly to flat and wet. It would be best for this stand to be cut during a dry summer to protect soil. If not possible then a winter cut may be needed. There is an old two-track that will be usable for harvesting. Leave some large white pine. Use the edge trees and/or the spot in the middle of the stand where there is a patch of more unmerchantable trees for retention. 99 = mostly red maple and some spruce. There is also about a 3 acre patch of mainly fir in the SE corner. This should be treated with the stand. [4-2-10] Stand is now under contract TS 41-020-09-01 Little Italy. [8-10-12] Sale is now closed/completed TCR dtd 7-3-12. A 2" DBH cutting spec was used vice an FTP for aspen TSI.</p> <p>2017 - Stand could be harvested or left - it is healthy. Ground is higher in the north and slowly gets lower further to the south.</p>
106	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	35.3	75	51-80	<p>OPIC - FMD: HCVA - POG - This stand is potential old growth plus, it is a part of the Fox River Plan. High amount of mortality due to flooding.</p> <p>2017 - No change or activity. Part of Fox River Plan. Stand does not meet old growth criteria.</p>
107	6122 - Black Spruce	Poletimber Well	0.7	33	81-110	<p>OPIC - FMD: Starting to get some trees with merchantable sticks. Fir and spruce in the understory.</p> <p>2017 - This stand is a buffer left from harvest.</p>
108	42210 - Natural Red Pine	Sawtimber Medium	2.7	91	171-200	<p>OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same.</p> <p>2017 - Stand does not meet old growth criteria.</p>



Stand	Cover Type	Acres	Managed Site	General Comments:
9	6229 - Mixed lowland shrub	828.4	No	<p>OPIC - FMD: SCA - POG - CONSIDER FOR OLD GROWTH, stand did have a quick walk through conditions are the same</p> <p>Marsh stand with lots of drains. Along with scattered trees the area is covered with tag alder and cat tails.</p> <p>2017 - Stand does not meet old growth criteria.</p>
15	790 - Other Bare/Sparsely Vegetate	2.0	No	<p>OPIC - FMD: Starting to get some trees with merchantable sticks. Fir and spruce in the understory.</p> <p>2017 - Stand was cut in 2016. Part of Broken Gun sale 41-001-15-01. Very recently cut.</p>
60	3102 - Grass	4.4	No	<p>OPIC - FMD: NICE OPENING THAT IS BEGINNING TO FILL-IN WITH ASPEN AND CONIFER. When stands 104 and 107 are scheduled consider opening maintenance at that time. 2017 - Could open stand when cut stand 104. White spruce is filling in area.</p>
99	122 - Road/Parking Lot	4.1	No	<p>OPIC - FMD: COUNTY ROAD 456, OLD SENEY ROAD. PART OF SNOWMOBILE TRAIL</p>
100	122 - Road/Parking Lot	22.1	No	<p>OPIC - FMD: M-77 ROW</p> <p>2017 - No change.</p>
105	6224 - Treed Bog	6.8	No	<p>OPIC - FMD: OI Stand Year Origin was</p> <p>2017 - Unproductive marsh with scattered black spruce.</p>