

# **Compartment Review Presentation**

Shingleton Forest Management Unit

Compartment 41015 Entry Year 2017 Acreage: 1,783 County Schoolcraft Management Area: Seney Manistique Swamp

**Revision Date:** 2015-08-04

Stand Examiner: Mario Molin

## Legal Description:

T45N R16W Section 10, 14, 15

#### **Identified Planning Goals:**

Timber production and wildlife habitat management.

#### Soil and topography:

Flat marshland with small ridges. Soils in the low, wet areas are Deford Muck, Markey-Mucky Peat and Deford-AuSable-Tawas Mucks. Soils in the ridges are Paquin-Finch Sands, Rubixon-Croswell-Deford Complex, and Deford-AuGres-Rubicon Deep Water Table Complex.

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

State land north, west and south of the compartment; Seney National Wildlife Refuge borders the compartment on the east.

#### **Unique Natural Features:**

Currently under review by Michigan Natural Features Inventory (MNFI)

#### Archeological, Historical, and Cultural Features:

None identified at this time.

# **Special Management Designations or Considerations:**

None identified at this time.

#### Watershed and Fisheries Considerations:

The Creighton River is classified as warm-water in the compartment. BMP's should be followed as inputs of sediment and increases in sand bedload need to be prevented.

#### Wildlife Habitat Considerations:

This compartment lies between Hartman Camp Road and the Creighton River. Pre-settlement surveys showed open marsh to be the dominant feature within this compartment circa 1850. Tamarack, spruce, and cedar appear to have been the primary trees in the forested portions of the compartment. However, low ridges throughout the compartment also held white pine, red pine, and hemlock. In addition, surveyors recorded minor amounts of aspen, jack pine, white birch, yellow birch, red maple and beech. Although it appears that the open marshes are largely intact, forest species and structure on the low ridges have changed substantially. Red pine, jack pine, and aspen have all increased while tamarack, spruce, cedar, and white pine have shown marked decreases. Featured species in this compartment are beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. Beaver ponding is an important environmental activity within this compartment providing habitat for a variety birds, herpitiles, and plants. Wolves are also relatively common within this compartment. Wildlife habitat objectives include protecting the integrity of the marsh system and promoting structural and species diversity with the forested portions of the compartment.

# Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subcrops below the glacial drift. The Black River is 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:

Section 14 has several two-track roads, and the S. Creighton Truck Trail. The majority of the compartment is low, wet ground with islands of trees, and is without roads.

#### **Survey Needs:**

None at this time.

# **Recreational Facilities and Opportunities:**

There are no DNR recreational facilities within the compartment; but the area is used for deer and grouse hunting and people often set up hunting camps near the Creighton River.

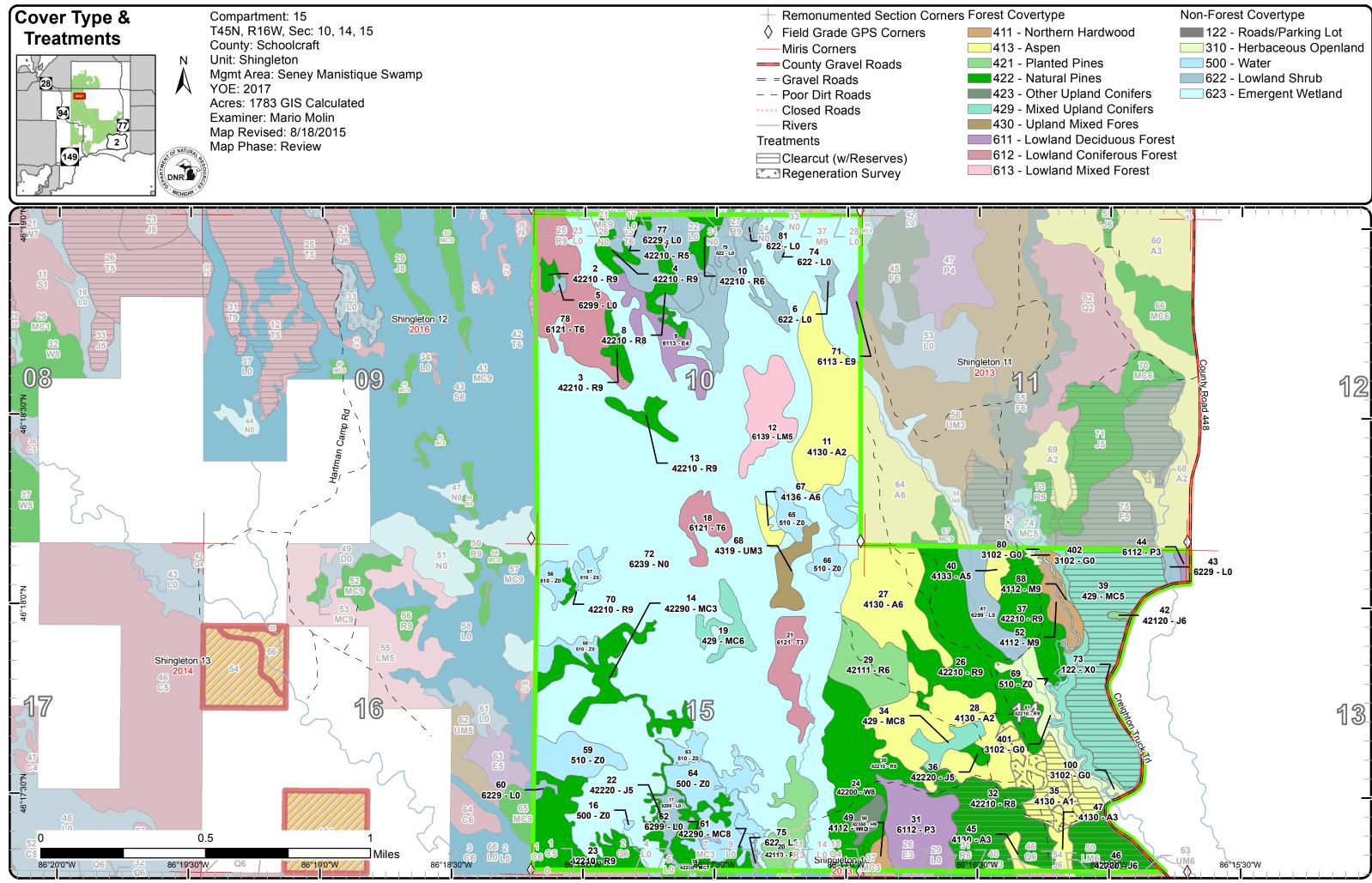
## **Fire Protection:**

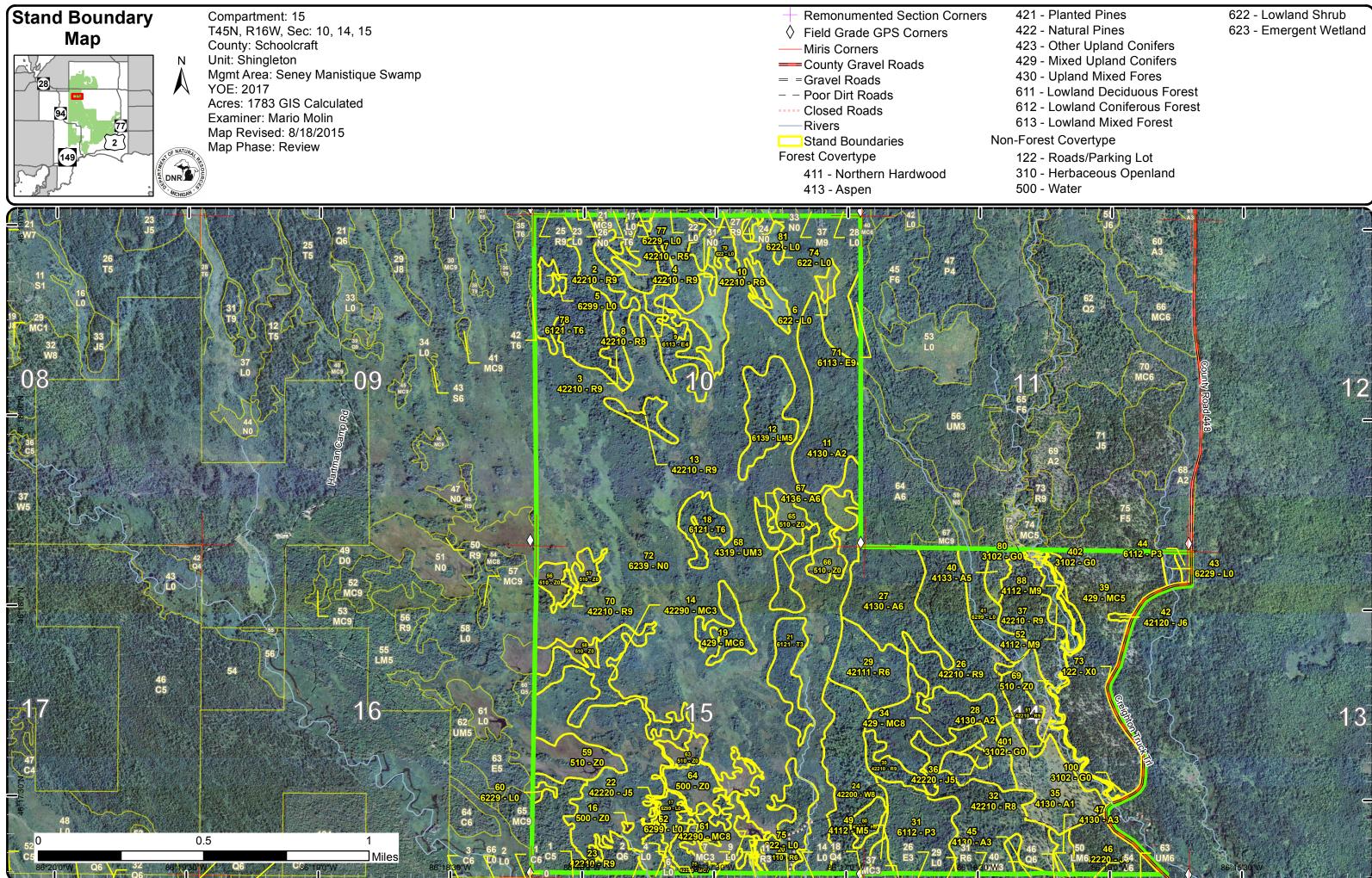
Lack of roads in most of the western portion of the compartment makes access to fires difficult.

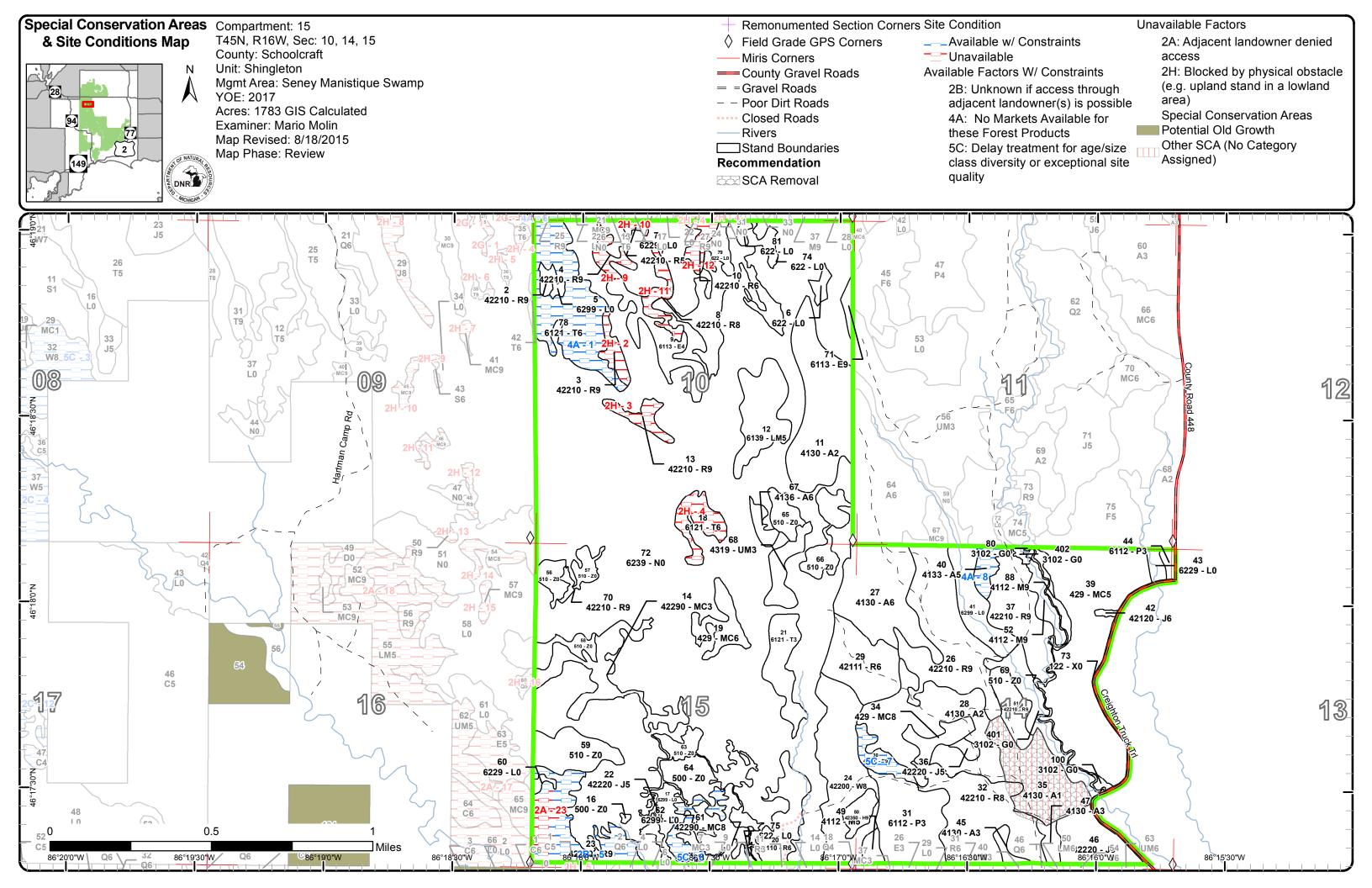
## **Additional Compartment Information:**

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







# Report 1 – Total Acres by Cover Type and Age Class

Shingleton Mgt. Unit

Mario Molin : Examiner



Age Class

|                             | Nor | Kolest C | 65 V | 61.00<br>43 | 52 53<br>5 5 5 55 | 83 V¥ | B. C. | 3 8 |    |     | 80 80 80 80 80 80 80 80 80 80 80 80 80 8 | 8 ,0 <sup>0</sup> | 70° | 61. 42 | er ver | OCL UN | No. Control of the second | DX Jrew | A LOU |
|-----------------------------|-----|----------|------|-------------|-------------------|-------|-------|-----|----|-----|--|-------------------|-----|--------|--------|--------|---------------------------|---------|-------|
| Aspen                       | 0   | 40       | 0    | 147         | 0                 | 0     | 6     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 193   |
| Hemlock                     | 0   | 0        | 0    | 0           | 0                 | 0     | 0     | 0   | 0  | 6   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 6     |
| Herbaceous Openland         | 19  | 0        | 0    | 0           | 0                 | 0     | 0     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 19    |
| Jack Pine                   | 0   | 0        | 0    | 8           | 0                 | 0     | 1     | 19  | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 28    |
| Lowland Aspen/Balsam Poplar | 0   | 0        | 0    | 35          | 0                 | 0     | 0     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 35    |
| Lowland Deciduous           | 0   | 0        | 0    | 17          | 0                 | 0     | 0     | 0   | 0  | 3   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 20    |
| Lowland Mixed Forest        | 0   | 0        | 0    | 0           | 0                 | 0     | 24    | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 24    |
| Lowland Shrub               | 107 | 0        | 0    | 0           | 0                 | 0     | 0     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 107   |
| Marsh                       | 708 | 0        | 0    | 0           | 0                 | 0     | 0     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 708   |
| Natural Mixed Pines         | 0   | 0        | 0    | 24          | 0                 | 0     | 0     | 0   | 0  | 2   | 0  | 0                 | 0   | 0      | 0      | 11     | 0                         | 0       | 37    |
| Northern Hardwood           | 0   | 0        | 0    | 0           | 0                 | 0     | 11    | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 4       | 15    |
| Red Pine                    | 0   | 0        | 0    | 44          | 0                 | 0     | 0     | 11  | 74 | 44  | 0  | 0                 | 0   | 0      | 0      | 33     | 0                         | 52      | 258   |
| Tamarack                    | 0   | 0        | 0    | 16          | 0                 | 0     | 0     | 0   | 11 | 44  | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 71    |
| Upland Conifers             | 0   | 0        | 0    | 11          | 0                 | 0     | 85    | 0   | 0  | 8   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 104   |
| Upland Mixed Forest         | 0   | 0        | 0    | 10          | 0                 | 0     | 0     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 10    |
| Urban                       | 9   | 0        | 0    | 0           | 0                 | 0     | 0     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 9     |
| Water                       | 96  | 0        | 0    | 0           | 0                 | 0     | 0     | 0   | 0  | 0   | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 96    |
| White Pine                  | 0   | 0        | 0    | 0           | 0                 | 0     | 0     | 0   | 0  | 43  | 0  | 0                 | 0   | 0      | 0      | 0      | 0                         | 0       | 43    |
| Total                       | 939 | 40       | 0    | 312         | 0                 | 0     | 127   | 30  | 85 | 150 | 0  | 0                 | 0   | 0      | 0      | 44     | 0                         | 56      | 1783  |



 Entry: 2017
 Acres of Harvest
 Total Compartment Acres:

 Commercial Harvest - 154
 Harvests with Site Condition - 0
 Next Step Harvest - 0

 Habitat Cut - 0
 Habitat Cut - 0
 Habitat Cut - 0

# Cover Type by Harvest Method

|               |       |     | Contraction of the second | delection<br>at a | Clear Clear Clear Clear | and the second | ich noo | Curring Contraction | Participation of the second | 100<br>00<br>00 | Current Los | A COLOR |
|---------------|-------|-----|---------------------------|-------------------|-------------------------|----------------|---------|---------------------|-----------------------------|-----------------|-------------|---------|
|               |       | /   | /                         | 1 20              | /                       | / "            |         | 03                  | /                           | /               | /           | /       |
| Aspen         |       | 15  | 0                         | 0                 | 0                       | 0              | 0       | 0                   | 0                           | 0               | 15          |         |
| Jack Pine     |       | 19  | 0                         | 0                 | 0                       | 0              | 0       | 0                   | 0                           | 0               | 19          |         |
| Lowland Shrub |       | 73  | 0                         | 0                 | 0                       | 0              | 0       | 0                   | 0                           | 0               | 73          |         |
| Red Pine      |       | 46  | 0                         | 0                 | 0                       | 0              | 0       | 0                   | 0                           | 0               | 46          |         |
|               | Total | 154 | 0                         | 0                 | 0                       | 0              | 0       | 0                   | 0                           | 0               | 154         |         |

# Proposed and Next Step Treatments by Method

|           |       | /.  | is in the second | 09.<br>(0) | Outino | O O | Contraction of the second | An Color | inition of the second | Notes Notes | 4° / 2 | Sec. Astronom |
|-----------|-------|-----|------------------|------------|--------|-----|---------------------------|----------|-----------------------|-------------|--------|---------------|
| Current   |       | 154 | 0                | 0          | 0      | 0   | 0                         | 17       | 0                     | 0           | 171    | [             |
| Next Step |       | 0   | 200              | 61         | 0      | 0   | 15                        | 171      | 0                     | 0           | 446    |               |
|           | Total | 154 | 200              | 61         | 0      | 0   | 15                        | 189      | 0                     | 0           | 618    |               |

| S<br>t                      |                        |   | Shing  | gleton Mgt. Unit  |  | Re                              | eport 4                           | Treatme                           | ents  | •  | ment: 15<br>Entry: 2017          | AND DNR COLORG               |
|-----------------------------|------------------------|---|--|---|--|---------------------------------|-----------------------------------|-----------------------------------|---|--|----------------------------------|------------------------------|
| a<br>n<br>d                 | Treat<br>Na            |   | Acres  | Stand<br>CoverType  | Size<br>Density                                | Stand<br>Age                    | BA<br>Range                       | Treatment<br>Type                 | Treatment<br>Method   | Cover Type<br>Objective                    | Age<br>Structure                 | Approval<br>Status           |
| <u>Hab</u>                  | cription               | ∙Cut<br><u>t:</u> No                    | 73.5<br>It with red                                  | 6229 - Mixed<br>lowland shrub<br><u>Site Condition</u><br>pine reserved | Nonstocke<br><u>:</u>                          | d                               | Unspec<br>ified                   | Harvest                           | Clearcut with<br>Retention  | 42290 - Natural<br>Mixed Pine              | Even-Aged                        | Completed -<br>Pending Edits |
|                             | <u>Step</u><br>tments: | SitePre                                 | p, Scarific  | ation; Monitoring,  | Artificial Re                                  | gen(1yr                         | )                                 |                                   |   |  |                                  |                              |
| <u>Acce</u><br>Rege         | •                      | Spruce                                  | fir and jac  | ck pine, with aspen   | and maple.                                     |                                 |                                   |                                   |   |  |                                  |                              |
| <u>Othe</u><br><u>Com</u>   | <u>er</u><br>Iment:    | proposa<br>C41-15<br>May 1 a<br>Scarify | al, "Super<br>50 is subr<br>and July 1<br>with natur | Duper Sale" Unit 7<br>nitted for Jack Pine<br>5 to protect potenti      | ' and 8. Rec<br>e regeneration<br>al nesting w | d pine R<br>on. Sta<br>ood turf | tesidual =<br>nd will ne<br>tles. | 5' '. River Bu<br>ed to be plante | Robert Burnham : 02<br>ffer is also Retention<br>ed. Stand cannot be<br>ptable regeneration | n for the stand as v<br>e harvested nor ca | well as island<br>n site prep oc | on road. FTP<br>cur between  |
| Prop                        | osod St                | FTP C4<br>art Date:                     | 1-1550<br>10/1 /                                     | /2012   |  |                                 |                                   |                                   |   |  |                                  |                              |
|                             | 410150                 |   | 46.1   | 42210 - Natural   | Sawtimbe                                       | r 70                            | 51-80                             | Harvest                           | Clearcut with   | 4211 - Planted                             | Even-Aged                        | Proposal                     |
| Uab                         | itat Cu                | t: No                                   |  | Red Pine<br>Site Condition  | Medium   |                                 |                                   |                                   | Retention   | Red Pine                                   |                                  |                              |
|                             | <u>cription</u>        |   | ut, retentio   |   |  | ne using                        | g the red I                       | ine. Site will b                  | e herbicide, trenche  | ed and planted to r                        | ed pine.                         |                              |
|                             | <u>Step</u><br>tments: | SitePre                                 | p, Other -   | Specify; SitePrep   | o, Trenching                                   | ; Plant                         | ting, Initia                      | l Plant; Monit                    | oring, Artificial Rege  | en(1yr)                                    |                                  |                              |
| <u>Acce</u><br>Rege         |                        | Red Pir                                 | ne   |   |  |                                 |                                   |                                   |   |  |                                  |                              |
| <u>Othe</u><br>Com          | er<br>ment:            | Old ne                                  | ext step co  | omments:  |  |                                 |                                   |                                   |   |  |                                  |                              |
|                             |                        | art Date:                               | -  |   |  |                                 |                                   |                                   | <b>2</b>  |  |                                  |                              |
| 35                          | 410150                 | 35-Cut                                  | 14.8   | 4130 - Aspen  | Sapling<br>Poor                                | 6                               | Immatu<br>re                      | Harvest                           | Clearcut  | 4211 - Planted<br>Red Pine                 | Even-Aged                        | Proposal                     |
|                             |                        | Clearcu                                 |  | Site Condition<br>of stand that has no<br>during write up.              | _  | ed heav                         | vily with as                      | spen. Plant to                    | red pine.   |  |                                  |                              |
|                             | <u>Step</u><br>tments: | Pesticio                                | de, Skidde   | er/Mechanical; Sit  | ePrep, Tren                                    | ching;                          | Planting,                         | Initial Plant;                    | Monitoring, Artificial  | Regen(1yr)                                 |                                  |                              |
| <u>Acce</u><br><u>Reg</u> e |                        | Red Pir                                 | ne.  |   |  |                                 |                                   |                                   |   |  |                                  |                              |
| <u>Othe</u><br><u>Com</u>   | er<br>ment:            | Old ne                                  | ext step co  | omments:  |  |                                 |                                   |                                   |   |  |                                  |                              |
| Duese                       | nsed St                | art Date:                               | 10/1   | /2016   |  |                                 |                                   |                                   |   |  |                                  |                              |

| S<br>t                |                                   | gleton Mgt. Unit |   | R                 | eport 4      | Treatme      | nts               | •                          | tment: 15<br>Entry: 2017    | OF NATURAL       |                         |
|-----------------------|-----------------------------------|------------------|---|-------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|------------------|-------------------------|
| a<br>n<br>d           | Treatment<br>Name                 | Acres            | Stand<br>CoverType                        | Size<br>Density   | Stand<br>Age | BA<br>Range  | Treatment<br>Type | Treatment<br>Method        | Cover Type<br>Objective     | Age<br>Structure | Approval<br>Status      |
| 35                    | 41015035-<br>Monitor              | 17.5             | 4130 - Aspen                              | Sapling<br>Poor   | 6            | Immatu<br>re | Monitoring        | Artificial<br>Regen(3yr)   | 413 - Aspen                 | Even-Aged        | Draft Field<br>Boundary |
| Presc<br>Specs        |                                   |                  | Site Condition:                           |                   |              |              |                   |                            |                             |                  |                         |
|                       | ments:                            |                  |   |                   |              |              |                   |                            |                             |                  |                         |
| <u>Accep</u><br>Rege  | <u>ptable</u> Aspen<br><u>n:</u>  |                  |   |                   |              |              |                   |                            |                             |                  |                         |
| <u>Other</u><br>Comr  | -                                 | t to Treat       | = 100% Old next ste                       | ep comme          | nts:         |              |                   |                            |                             |                  |                         |
| Propo                 | osed Start Date                   | <u>:</u> 8/3/    | 2015                                      |                   |              |              |                   |                            |                             |                  |                         |
| 46                    | 41015046-Cut                      | 19.2             | 42220 - Natural<br>Jack Pine              | Poletimbe<br>Well | r 66         | 51-80        | Harvest           | Clearcut with<br>Retention | 4222 - Natural<br>Jack Pine | Even-Aged        | Proposal                |
|                       |                                   | cut with ret     | Site Condition:<br>tention in the southea | ast corner        | of the s     | tand.        |                   |                            |                             |                  |                         |
|                       | <u>Step</u> SitePre<br>ments:     | ep, Scarific     | cation; Monitoring, A                     | rtificial Re      | gen(1yr      | .)           |                   |                            |                             |                  |                         |
| <u>Acce</u> p<br>Rege | <u>ptable</u> Jack P<br><u>n:</u> | ine              |   |                   |              |              |                   |                            |                             |                  |                         |
| <u>Other</u><br>Comr  | -                                 | ext step co      | omments:                                  |                   |              |              |                   |                            |                             |                  |                         |
| Propo                 | osed Start Date                   | <u>:</u> 10/1    | /2016                                     |                   |              |              |                   |                            |                             |                  |                         |
|                       | Total Treatme<br>creage Propos    | ent 1            | 71.0                                      |                   |              |              |                   |                            |                             |                  |                         |

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 15 Year of Entry: 2017

# Availability for Management

| Total | Acres     | Acres Avail    | Acres         | De                          | ominaı | nt Site | e Con | dition | S  |
|-------|-----------|----------------|---------------|-----------------------------|--------|---------|-------|--------|----|
| Acres | Available | With Condition | Not Available |                             | 2B     | 4A      | 5C    | 2A     | 2H |
| 192   | 187       | 6              | 0             | Aspen                       |        | 6       |       |        |    |
| 6     | 6         | 0              | 0             | Hemlock                     |        |         |       |        |    |
| 19    | 19        | 0              | 0             | Herbaceous Openland         |        |         |       |        |    |
| 28    | 28        | 0              | 0             | Jack Pine                   |        |         |       |        |    |
| 35    | 35        | 0              | 0             | Lowland Aspen/Balsam Poplar |        |         |       |        |    |
| 19    | 19        | 0              | 0             | Lowland Deciduous           |        |         |       |        |    |
| 24    | 24        | 0              | 0             | Lowland Mixed Forest        |        |         |       |        |    |
| 107   | 107       | 0              | 0             | Lowland Shrub               |        |         |       |        | 0  |
| 708   | 708       | 0              | 0             | Marsh                       |        |         |       |        |    |
| 38    | 27        | 11             | 0             | Natural Mixed Pines         |        |         | 11    |        |    |
| 15    | 15        | 0              | 0             | Northern Hardwood           |        |         |       |        |    |
| 258   | 185       | 33             | 40            | Red Pine                    | 25     |         | 8     | 7      | 32 |
| 71    | 16        | 44             | 11            | Tamarack                    |        | 44      |       |        | 11 |
| 104   | 104       | 0              | 0             | Upland Conifers             |        |         |       |        |    |
| 10    | 10        | 0              | 0             | Upland Mixed Forest         |        |         |       |        |    |
| 8     | 8         | 0              | 0             | Urban                       |        |         |       |        |    |
| 96    | 96        | 0              | 0             | Water                       |        |         |       |        |    |
| 43    | 43        | 0              | 0             | White Pine                  |        |         |       |        |    |
| 1,783 | 1,638     | 94             | 51            | Total Forested Acres        | 25     | 49      | 19    | 7      | 44 |
|       | 92%       | 5%             | 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<br>No. | Dominant Site<br>Cond Availability | Dominant Site Condition                            | Acres      | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|-------------|------------------------------------|--|------------|----------------------|----------------------|----------------------|----------------------|
| 1           | Available                          | 4A: No Markets Available for these Forest Products | 44         | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
|             | Comments:<br>Stand has deteriora   | ted to a point where harvestin                     | g is no lo | nger an option.      |                      |                      |                      |
|             |                                    |  |            |                      |                      |                      |                      |
|             |                                    |  |            |                      |                      |                      |                      |
|             |                                    |  |            |                      |                      |                      |                      |

|   |  | ngleton Mgt. Unit<br>Molin : Examiner  |    | Report 5 – Site Cor | nditions    | Compartment: 15<br>Year of Entry: 20 |             |
|---|--|--|----|---------------------|-------------|--------------------------------------|-------------|
| 2 | Unavailable                            | 2H: Blocked by physical<br>obstacle (e.g. upland<br>stand in a lowland area)       | 6  | Unspecified         | Unspecified | Unspecified                          | Unspecified |
|   | Comments:                              |  |    |                     |             |                                      |             |
| 3 | Unavailable                            | 2H: Blocked by physical<br>obstacle (e.g. upland<br>stand in a lowland area)       | 6  | Unspecified         | Unspecified | Unspecified                          | Unspecified |
|   | Comments:                              |  |    |                     |             |                                      |             |
| 1 | Unavailable                            | 2H: Blocked by physical<br>obstacle (e.g. upland<br>stand in a lowland area)       | 11 | Unspecified         | Unspecified | Unspecified                          | Unspecified |
|   | Comments:                              |  |    |                     |             |                                      |             |
| 5 | Available                              | 2B: Unknown if access<br>through adjacent<br>landowner(s) is possible              | 26 | Unspecified         | Unspecified | Unspecified                          | Unspecified |
|   | Comments:                              |  |    |                     |             |                                      |             |
| 5 | Available                              | 5C: Delay treatment for<br>age/size class diversity or<br>exceptional site quality | 11 | Unspecified         | Unspecified | Unspecified                          | Unspecified |
|   | Comments:                              |  |    |                     |             |                                      |             |
| , | Available                              | 5C: Delay treatment for<br>age/size class diversity or<br>exceptional site quality | 8  | Unspecified         | Unspecified | Unspecified                          | Unspecified |
|   | <b>Comments:</b><br>Pine is beyond the | e marketable size class.   |    |                     |             |                                      |             |

**Report 5 – Site Conditions** Shingleton Mgt. Unit **Compartment: 15** Year of Entry: 2017 Mario Molin : Examiner 8 Available Unspecified Unspecified Unspecified Unspecified 4A: No Markets Available 6 for these Forest Products Comments: Aspen is too far gone, and site is converting naturally and well to mixed pine. 9 Unavailable 2H: Blocked by physical 6 Unspecified Unspecified Unspecified Unspecified obstacle (e.g. upland stand in a lowland area) Comments: 10 Unavailable 2H: Blocked by physical 2 Unspecified Unspecified Unspecified Unspecified obstacle (e.g. upland stand in a lowland area) Comments: 11 Unavailable 2H: Blocked by physical 7 Unspecified Unspecified Unspecified Unspecified obstacle (e.g. upland stand in a lowland area) **Comments:** 12 2H: Blocked by physical 6 Unspecified Unspecified Unspecified Unspecified Unavailable obstacle (e.g. upland stand in a lowland area) **Comments:** 2A: Adjacent landowner 7 Unspecified Unspecified Unspecified Unspecified 23 Unavailable denied access **Comments:** 



## Report 6 – 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 |
|--|--------------|-------------|----------------|-------|
| Unspecified                            | Other SCA    |             | SCA Removal    | 34    |
| Comments<br>Does not meet SCA criteria |              |             |                |       |



# Report 7 – 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.

|  | = High Conservation Value Area<br>Special Conservation Area |
|--|---|
|--|---|

| S<br>t      | Shingletor                  | n Mgt. Unit          |       | Report 8     | – Forested  | Stands Compartment: 15<br>Year of Entry: 2017  |
|-------------|-----------------------------|----------------------|-------|--------------|-------------|--|
| a<br>n<br>d | Level 4<br>Cover Type       | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:   |
| 2           | 42210 - Natural Red<br>Pine | Sawtimber<br>Well    | 2.5   | 85           | 81-110      | <ul> <li>OPIC - FMD: Small area of high ground. Thin Red and White Pine, cut all other trees except oak &amp; hemlock. Try to regenerate pine using prescribed burning; or scarify or plant. Will accept red or white pine regeneration. Soils: Rubicon-Croswell-Deford Complex. PVE</li> <li>Layout the road to these stands with snow free conditions; then evaluate the need to have a MNFI survey done for rare plants</li> </ul>  |
|             |                             |                      |       |              |             | as found to the north.<br>[10-1-07] Unmerchantable in current market conditions. Stand<br>is an island in the marsh. It has been factored off the POW and<br>factor limited in OI, comments updated and the merchantability<br>code changed to 7   |
| 3           | 42210 - Natural Red<br>Pine | Sawtimber<br>Well    | 5.5   | 85           | 111-140     | <ul> <li>OPIC - FMD: Pine ridge: thin red and white pine; cut all other trees except oak &amp; hemlock. Try to regenerate pine using prescribed burning; or scarify or plant. Will accept red or white pine regeneration. Soil=Paquin-Finch Sands. ATFD</li> <li>Layout the road to these stands with snow free conditions; then evaluate the need to have a MNFI survey done for rare plants as found to the north.</li> <li>[10-1-07] Unmerchantable in current market conditions. Stand is an island in the marsh. It has been factored off the POW and factor limited in OI, comments updated and the merchantability code changed to 7</li> </ul>   |
| 4           | 42210 - Natural Red<br>Pine | Sawtimber<br>Well    | 5.6   | 82           | 81-110      | <ul> <li>OPIC - FMD: Ridge in marsh - difficult access. Thin RP &amp; WP, cut all other trees (except oak &amp; hemlock if they occur).</li> <li>Prescribed burn to regenerate pine, or scarify or handplant.</li> <li>Will accept red or white pine regeneration. Soil=Rubicon-Croswell-Deford Complex. PVE</li> <li>Layout the road to these stands with snow free conditions; then evaluate the need to have a MNFI survey done for rare plants as found to the north.</li> <li>[10-1-07] Unmerchantable in current market conditions. Stand is an island in the marsh. It has been factored off the POW and factor limited in OI, comments updated and the merchantability code changed to 7</li> <li>[4-7-08] There is disagreement between specialists regarding which limiting factor to use and it has been changed from 4D to 2G</li> </ul> |
| 7           | 42210 - Natural Red<br>Pine | Poletimber<br>Medium | 1.9   | 83           | 81-110      | <ul> <li>OPIC - FMD: Small island in marsh - difficult access. Higher ground with RP, lower ground with Tamarack &amp; tall brush. Cut all trees except RP, WP, Oak &amp; Hemlock. Prescribed burn to regenerate pine if possible; or scarify, or hand plant with inmates. Will accept red or white pine regeneration. Soil=Rubicon-Croswell-Deford Complex. PVE</li> <li>Layout the road to these stands with snow free conditions; then evaluate the need to have a MNFI survey done for rare plants as found to the north.</li> </ul>   |
| 8           | 42210 - Natural Red<br>Pine | Sawtimber<br>Medium  | 7.3   | 82           | 81-110      | <ul> <li>OPIC - FMD: Ridge in marsh - difficult access. Thin RP &amp; WP, cut all other trees (except oak &amp; hemlock if they occur).</li> <li>Prescribed burn to regenerate pine, or scarify or handplant. Try to regenerate using prescribed burning; or scarify or plant. Will accept red or white pine regeneration. Soil=Rubicon-Croswell-Deford Complex. PVELayout the road to these stands with snow free conditions; then evaluate the need to have a MNFI survey done for rare plants as found to the north.</li> </ul>   |

| S<br>t      | Shingletor                     | n Mgt. Unit          |       | Report 8     | – Forested  | Stands  | Compartment: 15<br>Year of Entry: 2017   | DNR DNR  |
|-------------|--------------------------------|----------------------|-------|--------------|-------------|---|--|--|
| a<br>n<br>d | Level 4<br>Cover Type          | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range |   | General<br>Comments:   | MICHIGAN   |
| 9           | 6113 - Lowland Maple           | Poletimber<br>Poor   | 16.7  | 20           | 1-50        | a marsh. Tall, thick<br>with pine occur with<br>of species alrea<br>Muck.Layout the<br>conditions; then eval<br>for rare plants a<br>disagreement betw  | t area of trees connecting islan<br>brush. Some small areas of hi<br>in the stand. Will accept any o<br>dy there as regeneration. Soil-<br>e road to these stands with sno<br>uate the need to have a MNFI<br>s found to the north.[4-7-08] Th<br>ween specialists regarding whic<br>nd it has been changed from 4I  | gher ground<br>combination<br>=Deford<br>w free<br>survey done<br>here is<br>ch limiting                                 |
| 10          | 42210 - Natural Red<br>Pine    | Poletimber<br>Well   | 5.7   | 83           | 51-80       | when treating other of<br>White Pine where ne<br>oak (if they occur). H<br>with more paper biro<br>regeneration. Soil=D<br>Layout the road to th<br>evaluate the need to<br>[4-7-08] There is dis | in marsh that extends into C01<br>ompartment. Difficult access.<br>beded, cut all other trees excep<br>digher ground with more pine, li-<br>h and aspen. Will accept red co<br>beford-AuGres-Rubicon Deep V<br>PArV<br>ese stands with snow free comp<br>o have a MNFI survey done for<br>as found to the north.<br>sagreement between specialists<br>to use and it has been changed<br>2G | Thin Red &<br>t hemlock &<br>ower ground<br>or white pine<br>Vater Table.<br>ditions; then<br>rare plants<br>s regarding |
| 11          | 4130 - Aspen                   | Sapling<br>Medium    | 49.8  | 25           | 1-50        | of aspen and tamara   | f sale #035-89, S.Creighton Co<br>ck regen with some b. spruce a<br>and Deford-AuGres-Rubicon D<br>Table Complex.  | and r.maple.   |
| 12          | 6139 - Mixed Lowland<br>Forest | Poletimber<br>Medium | 23.8  | 54           | 1-50        |   | ound 1990 with stand 11. Resi<br>I tamarack regen. Soil=Deford   |  |
| 13          | 42210 - Natural Red<br>Pine    | Sawtimber<br>Well    | 6.3   | 80           | 111-140     |   | ow ridge in large marsh - difficu<br>pruce soil=Paquin-Finch Sanc  |  |
| 14          | 42290 - Natural Mixed<br>Pine  | Sapling Well         | 24.5  | 24           | 1-50        | a large marsh, with<br>density varies; specie<br>aspen and b. spru  | ree cut in apx 1989; sale #83-86<br>n difficult access. Regeneration<br>es includes: red pine, white pin<br>uce. Soil=Markey Mucky Peat<br>n-Croswell-Deford Complex on<br>ridges.   | n type and<br>le, jack pine,<br>on lower   |
|             |                                |                      |       |              |             | 2015: lots of varia   | ability along the different fingers saplings.  | sLog to  |
| 18          | 6121 - Tamarack                | Poletimber<br>Well   | 11.3  | 73           | 81-110      | OPIC - FMD: Is  | sland in large marsh, difficult ac<br>Soil=Deford Muck   | ccess.   |
| 19          | 429 - Mixed Upland<br>Conifers | Poletimber<br>Well   | 11.4  | 25           | 51-80       | a large marsh, with<br>density varies; specie<br>aspen and b. spru  | ee cut in apx 1989; sale #83-80<br>n difficult access. Regeneration<br>es includes: red pine, white pin<br>uce. Soil=Markey Mucky Peat<br>n-Croswell-Deford Complex on<br>ridges.  | n type and<br>le, jack pine,<br>on lower   |
| 20          | 42110 - Planted Red<br>Pine    | Poletimber<br>Well   | 17.9  | 20           | 1-50        | residual red & whi  | ed in 91 and 95 with FTP C41-4<br>te pine. Some natural regen -<br>e, aspen. Soil=Rubicon Sand   |  |

| S<br>t      | Shingleto                     | n Mgt. Unit          |       | Report 8     | - Forested  | Stands Compartment: 15<br>Year of Entry: 2017   |
|-------------|-------------------------------|----------------------|-------|--------------|-------------|---|
| a<br>n<br>d | Level 4<br>Cover Type         | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
| 21          | 6121 - Tamarack               | Sapling Well         | 15.9  | 25           | 1-50        | OPIC - FMD: Cut in 1989, sale #83-86. Regeneration is mainly<br>aspen, with red maple, paper birch, b. spruce & tamarack. The<br>access road in the center of the ridge was planted with red pine;<br>now apx. 10' tall. Soil=Proper Fine Sand  |
| 22          | 42220 - Natural Jack<br>Pine  | Poletimber<br>Medium | 5.9   | 25           | 1-50        |   |
| 23          | 42210 - Natural Red<br>Pine   | Sawtimber<br>Well    | 32.8  | 143          | 81-110      | <ul> <li>OPIC - FMD: [7/7/04] Cut this stand along with the adjacent red pine stand in section 16 (Cmp 012, stand #120 on the YOE 2006 inventory). Shelterwood - remove poor quality Red &amp; White Pine, and remove all other trees (except oak, hemlock &amp; cedar if present). Scarify for natural regeneration. Will accept red or white pine for regeneration.</li> <li>[11-20-06] KM Only a portion of this stand was cut. The rest of this stand is now stand 77.</li> <li>[4-22-07 JS] The reason for this is a large portion of the stand contained low ground (cedar) that was of marginal quality. There were scattered pine islands, but not worth going after at this time.</li> <li>[9-18-07] This stand is now under contract TS# 41-004-07-01 Hartman Pine. See also FTP# C41-1320 (scarification for natural red pine regeneration.) Residual BA - Red pine = 12; white pine = 21; total = 33 sq.ft./acre.</li> <li>[6-17-10] JS: Sale has been returned uncut because the adjacent owner will no longer allow access. FTP#C41-1320 is being cancelled.</li> <li>[11/03/2011 JB] FTP C41-1320 is cancelled as part of 2012 Compartment Review. Create new FTP if sale is prepped again and/or sold.</li> </ul> |
| 24          | 42200 - Natural White<br>Pine | Sawtimber<br>Medium  | 43.3  | 89           | 1-50        | OPIC - FMD: Cut in 2001-2002. Scattered WP, with some<br>Hemlock & RP. Mixed regeneration: WP, B.Fir, B.Spruce,<br>R.Maple, Aspen, Hemlock. Deford-AuGres-Rubicon Deep<br>Water Table Complex. PArV   |
| 26          | 42210 - Natural Red<br>Pine   | Sawtimber<br>Well    | 51.7  | 73           | 51-80       | OPIC - FMD: Thinned in 1990; now all ages/sizes of Red &<br>White Pine. 98=B.Spruce & JP Duck-Crowell soils. PArVAa<br>North half (north of 2 track) is very heavy with maple and aspen<br>regeneration. What is the Desired future condition?? More<br>mixed conifer to north.<br>South 1/2 Clear cut, herbicide, trench and plant to red pine   |
| 27          | 4130 - Aspen                  | Poletimber<br>Well   | 42.6  | 24           | Immature    | <ul> <li>OPIC - FMD: Aspen with B.Fir &amp; B.Spruce mixed in. Some low/wet areas. Deford-AuGres-Rubicon Deep Water Table Complex. PArV</li> <li>South tip is flooded with some larger residual poles. Stand edge does wander in and out of the adjacent stands.</li> </ul>   |
| 28          | 4130 - Aspen                  | Sapling<br>Medium    | 50.4  | 24           | Immature    | <ul> <li>OPIC - FMD: Aspen regen is variable - areas of A3 &amp; A2. Some B.Spruce &amp; B.Fir regeneration. A few residual RP &amp; WP. Deford-AuGres-Rubicon Deep Water Table Complex. PArV</li> <li>2015: previous comment still apply. Stand was multiple stands originally but harvested all at the same time.</li> </ul>  |

| S<br>t      | Shingletor                                   | Shingleton Mgt. Unit |       |              | - Forested  | Stands Compartment: 15<br>Year of Entry: 2017  |
|-------------|--|----------------------|-------|--------------|-------------|--|
| a<br>n<br>d | Level 4<br>Cover Type                        | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:   |
| 29          | 42111 - Planted Red<br>Pine, Mixed Deciduous | Poletimber<br>Well   | 26.6  | 20           | 1-50        | OPIC - FMD: Burned and planted to Red Pine in 1995. Some<br>low/wet areas within the stand. Natural R.Maple, B.Spruce and<br>Aspen regeneration throughout. Deford-AuGres-Rubicon Deep<br>Water Table Complex. PArV  |
|             |  |                      |       |              |             | 2015: Stand is difficult to delineate out from the photos, its a patchwork of red pine plantation and aspen with a few other random species mixed in.  |
| 30          | 42210 - Natural Red<br>Pine                  | Sawtimber<br>Well    | 7.9   | 80           | 81-110      | OPIC - FMD: Previously thinned - mix of RP & WP. Mixed<br>regeneration=WP, B. Spruce and B. Fir. Deford-AuGres-<br>Rubicon Deep Water Table Complex. PArV  |
|             |  |                      |       |              |             | Thinned in early 1990's, Most Pine is beyond desirable<br>merchantability. Stand is surrounded by aspen and will likely<br>convert to aspen if harvested.  |
| 31          | 6112 - Lowland Aspen                         | Sapling Well         | 33.0  | 23           | 1-50        | OPIC - FMD: Aspen with some B.Fir, B.Spruce, RP and<br>P.Birch. Some areas of low/wet ground. Deford-AuGres-<br>Rubicon Deep Water Table Complex. PArV2015: In<br>southern portion of stand is a small red pine ridge. South1/2<br>seems to be more mixed with the fir and maple. Slight topo<br>changes everywhere lows are filled with water.  |
| 32          | 42210 - Natural Red<br>Pine                  | Sawtimber<br>Medium  | 46.1  | 70           | 51-80       | OPIC - FMD: Some areas of lower ground with aspen and red<br>maple. Thin red & white pine, cut all other trees. Will accept<br>red or white pine for regeneration. Duck-Crowell Soil. PArVAa<br>[8/17/07] Stand is now under contract TS # 41-010-07-01<br>Creighton Camp Pine. Residual BA: red pine = 36, white pine =<br>3, others = 1; total residual BA = 40 sq.ft./acre.<br>[12-03-09] Sale is completed TCR dtd 12-01-09.   |
|             |  |                      |       |              |             | 2015: natural regeneration is not working.   |
| 34          | 429 - Mixed Upland<br>Conifers               | Sawtimber<br>Medium  | 8.2   | 84           | 81-110      | OPIC - FMD: Ridge with mixed pine. Thinned in 1990. Deford-<br>AuGres-Rubicon Deep Water Table Complex. PArV   |
|             |  |                      |       |              |             | West 1/2 is more lowland with timber type changing to tamarack and fir.  |
| 35          | 4130 - Aspen                                 | Sapling Poor         | 32.3  | 6            | Immature    | <ul> <li>OPIC - FMD: SCA-Wood Turtles. No logging operations May through August in the east part of the stand because of wood turtle nesting time. Follow BMP guidelines where stand is close to the river. Variable BA: some areas are J5. Cut all trees except red &amp; white pine (may cut some) and oak. Regenerate to Jack Pine. Duck-Crowell Soils. PArVAa [8/17/07] Stand is now under contract TS # 41-010-07-01</li> <li>Creighton Camp Pine. Residual BA: red pine = 14, white pine = 4, others = 3; total residual BA = 21 sq.ft./acre.</li> <li>[12-03-09] Sale is completed TCR dtd 12-01-09. See FTP C41-1326.</li> <li>[10-19-10 JB] Sale was scarified. Needs 2013 regen. Check . (14 count results are 290T/A, need to be trenched and planted.</li> </ul> |
| 36          | 42220 - Natural Jack<br>Pine                 | Poletimber<br>Medium | 2.1   | 25           | 1-50        | OPIC - FMD: Small area naturally regenerating to JP, after<br>being cut in 1990. Deford-AuGres-Rubicon Deep Water Table<br>Complex. PArV   |
|             |  |                      |       |              |             | Mix of trees predominately jack pine, naturally regenerating with various other species.   |

| S<br>t      | Shingleton Mgt. Unit                       |                      |       | Report 8     | - Forested  | Stands Compartment: 15<br>Year of Entry: 2017   |
|-------------|--|----------------------|-------|--------------|-------------|---|
| a<br>n<br>d | Level 4<br>Cover Type                      | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
| 37          | 42210 - Natural Red<br>Pine                | Sawtimber<br>Well    | 28.1  | 70           | 81-110      | OPIC - FMD: Must cross a creek without a bridge to get here.<br>Many RP 1-4"DBH.  |
| 39          | 429 - Mixed Upland<br>Conifers             | Poletimber<br>Medium | 84.8  | 54           | 51-80       | OPIC - FMD: W.Spruce planted in 1961 - many trees are not yet<br>merchantable. BA is variable, with small grass openings<br>throughout. Naturally growing Aspen and Jack Pine throughout<br>the stand. Next to the S. Creighton Truck Trail.3/5/13 bb<br>Stand was scheduled at the 2014 Compartment Review due to<br>recommendations received from Bob Heyd due to forest health<br>reasons (spruce bud worm). The white spruce is in very poor<br>shape and is actually off-site, convert to jack pine. Stand is on<br>proposal 41-014-13, "Super Duper Sale" Units 7 and 8. Red<br>pine was reserved and there are iver buffers as well for retention<br>also a piece of jack pine on road. FTP C41-1550 is also<br>submitted for Jack Pine Regeneration, site will need to be<br>planted. |
| 40          | 4133 - Aspen, Mixed<br>Pine                | Poletimber<br>Medium | 5.8   | 57           | 1-50        | OPIC - FMD: Cut when harvesting adjacent stand 37.Aspen<br>is falling out and converting to mixed conifer.  |
| 42          | 42120 - Planted Jack<br>Pine               | Poletimber<br>Well   | 0.8   | 56           | 81-110      |   |
| 44          | 6112 - Lowland Aspen                       | Sapling Well         | 2.3   | 25           | Immature    | OPIC - FMD: Next to the S.Creighton Truck Trail. Deford-<br>AuSable-Tawas Mucks, frequently flooded.  |
| 45          | 4130 - Aspen                               | Sapling Well         | 3.2   | 6            | 1-50        | <ul> <li>OPIC - FMD: Lower ground between RP ridges. Regenerate to Aspen. TSI if necessary. 98=JP &amp; RP Deford-AuGres-Rubicon Deep Water Table Complex. PArV [8/17/07] Stand is now under contract TS # 41-010-07-01 Creighton Camp Pine. Residual BA: red pine = 5, white pine = 1, others = 5; total residual BA = 11 sq.ft./acre.</li> <li>[12-03-09] Sale is completed TCR dtd 12-01-09. See FTP W41-1327.</li> <li>[5/12/2011] FTP# W41-1327 cancelled at 2011 review and approved by area biologist and unit manager. Natural Regen Survey done Summer 2015 = Passed.</li> </ul>   |
| 46          | 42220 - Natural Jack<br>Pine               | Poletimber<br>Well   | 19.2  | 66           | 51-80       | OPIC - FMD: Next to the S.Creighton Truck Trail. Duck-Crowell soils. PArVAa   |
| 47          | 4130 - Aspen                               | Sapling Well         | 4.4   | 6            | Immature    | OPIC - FMD: Slightly lower ground, wet in the spring.<br>Regenerate to Aspen. TSI if necessary. Duck-Crowell soils.<br>PArVAa<br>[8/17/07] Stand is now under contract TS # 41-010-07-01<br>Creighton Camp Pine. Residual BA: red pine = 5, white pine =<br>1, others = 5; total residual BA = 11 sq.ft./acre.<br>[12-03-09] Sale is completed TCR dtd 12-01-09. See FTP W41-<br>1327.<br>[5/12/2011] FTP# W41-1327 cancelled at 2011 review and<br>approved by area biologist and unit manager. Natural Regen<br>survey done Summer 2015 = Passed.   |
| 49          | 4112 - Maple, Beech,<br>Cherry Association | Poletimber<br>Medium | 3.5   | 63           | 1-50        | OPIC - FMD: Low, wet ground. Deford-AuGres-Rubicon Deep<br>Water Table Complex. PArV<br>2015: Cut in 2002.  |

| S<br>t      | Shingleton Mgt. Unit                       |                     |       | Report 8     | – Forested  | Stands Compartment: 15<br>Year of Entry: 2017  |
|-------------|--|---------------------|-------|--------------|-------------|--|
| a<br>n<br>d | Level 4<br>Cover Type                      | Size<br>Density     | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:   |
| 50          | 42350 - Upland<br>Hemlock                  | Sawtimber<br>Well   | 5.7   | 85           | 111-140     | OPIC - FMD: A small hemlock stand that was reserved when<br>the surrounding stand was cut in 2002. Deford-AuGres-Rubicon<br>Deep Water Table Complex. PArV   |
| 51          | 42210 - Natural Red<br>Pine                | Sawtimber<br>Well   | 11.2  | 65           | 81-110      | OPIC - FMD: Duck-Crowell soils. PArVa  |
| 52          | 4112 - Maple, Beech,<br>Cherry Association | Sawtimber<br>Well   | 7.3   | 55           | 51-80       | OPIC - FMD: Along the Creighton River. Scattered Cherry<br>trees, with other trees naturally regenerating an old grass<br>stand. (JP, WP, RP, b.fir, spruce, maple, aspen)Most of this<br>stand will be river buffer if ever harvested           |
| 61          | 42290 - Natural Mixed<br>Pine              | Sawtimber<br>Medium | 2.4   | 80           | 51-80       |  |
| 67          | 4136 - Aspen, Mixed<br>Conifer             | Poletimber<br>Well  | 3.9   | 26           | 1-50        | OPIC - FMD: Cut with sale #083-86. Mainly aspen with red<br>maple, cherry and some conifers (tamarack, spruce and pine).<br>Lower ground with tall, dense shrubs, higher ground with<br>smaller shrubs. Soil=Rubicon-Croswell-Deford Complex PVE |
| 68          | 4319 - Mixed Upland<br>Forest              | Sapling Well        | 9.8   | 26           | 1-50        | OPIC - FMD: Part of sale #083-86. Mainly aspen with red<br>maple, cherry and some conifers (tamarack, spruce and pine).<br>Lower ground with tall, dense shrubs, higher ground with<br>smaller shrubs. Soil=Rubicon-Croswell-Deford Complex PVE  |
| 70          | 42210 - Natural Red<br>Pine                | Sawtimber<br>Well   | 1.4   | 80           | 81-110      | OPIC - FMD: Small island in marsh - difficult access.<br>soil=Markey Mucky Peat  |
| 71          | 6113 - Lowland Maple                       | Sawtimber<br>Well   | 2.7   | 80           | 81-110      | OPIC - FMD: Previously cut with stand 17 in C011. Mainly aspen with red maple, cherry, tamarack, spruce and pine.<br>Soil=Deford Muck  |
|             |  |                     |       |              |             | Majority of this stand appears to be uncut   |
| 76          | 42290 - Natural Mixed<br>Pine              | Sawtimber<br>Poor   | 11.1  | 145          | 1-50        | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford<br>Muck and Markey Mucky Peat   |
| 78          | 6121 - Tamarack                            | Poletimber<br>Well  | 43.6  | 81           | 81-110      | OPIC - FMD: Low, wet area with tall brush. Deford Muck soil.   |
| 88          | 4112 - Maple, Beech,<br>Cherry Association | Sawtimber<br>Well   | 4.1   | 55           | 81-110      | OPIC - FMD: Along the Creighton River. Scattered Cherry trees, with other trees naturally regenerating an old grass stand. (JP, WP, RP, b.fir, spruce, maple, aspen)   |

Compartment: 15 Year of Entry: 2017



| Stand | Cover Type                 | Acres | Managed<br>Site | General Comments:   |
|-------|----------------------------|-------|-----------------|---|
| 5     | 6299 - Lowland Shrub (OI)  | 1.2   | No              | OPIC - FMD: Low, wet area with tall brush. Deford Muck soil.  |
| 6     | 622 - Lowland Shrub        | 2.6   | No              | Looks to be a flooded area from the photo.  |
| 16    | 500 - Water                | 0.5   | No              |   |
| 17    | 6299 - Lowland Shrub (OI)  | 6.7   | No              | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford Muck and Markey<br>Mucky Peat  |
| 41    | 6299 - Lowland Shrub (OI)  | 18.2  | No              | OPIC - FMD: Low, brushy area with a creek flowing through. Deford-AuSable-<br>Tawas Mucks, frequently flooded.  |
| 43    | 6229 - Mixed lowland shrub | 2.9   | No              | OPIC - FMD: Low, brushy area with a creek flowing through. Deford-AuSable-<br>Tawas Mucks, frequently flooded.  |
|       |                            |       |                 | Alder willow with scattered trees.  |
| 56    | 510- Water (OI)            | 5.5   | No              | OPIC - FMD: pond in marsh   |
| 57    | 510- Water (OI)            | 4.5   | No              | OPIC - FMD: pond in marsh   |
| 58    | 510- Water (OI)            | 6.6   | No              | OPIC - FMD: pond in marsh   |
| 59    | 510- Water (OI)            | 17.2  | No              | OPIC - FMD: pond in marsh   |
| 60    | 6229 - Mixed lowland shrub | 1.4   | No              | <ul> <li>OPIC - FMD: [7/7/04] Cut this stand along with the adjacent red pine stand in section 16 (Cmp 012, stand #120 on the YOE 2006 inventory). Shelterwood - remove poor quality Red &amp; White Pine, and remove all other trees (except oak, hemlock &amp; cedar if present). Scarify for natural regeneration. Will accept red or white pine for regeneration.</li> <li>[11-20-06] KM Only a portion of this stand was cut. The rest of this stand is now stand 77.</li> <li>[4-22-07 JS] The reason for this is a large portion of the stand contained low ground (cedar) that was of marginal quality. There were scattered pine islands, but not worth going after at this time.</li> <li>[9-18-07] This stand is now under contract TS# 41-004-07-01 Hartman Pine. See also FTP# C41-1320 (scarification for natural red pine regeneration.) Residual BA - Red pine = 12; white pine = 21; total = 33 sq.ft./acre.</li> <li>[6-17-10] JS: Sale has been returned uncut because the adjacent owner will no longer allow access. FTP#C41-1320 is being cancelled.</li> <li>[11/03/2011 JB] FTP C41-1320 is cancelled as part of 2012 Compartment Review. Create new FTP if sale is prepped again and/or sold.</li> </ul> |
| 62    | 6299 - Lowland Shrub (OI)  | 0.9   | No              | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford Muck and Markey<br>Mucky Peat  |
| 63    | 510- Water (OI)            | 14.3  | No              |   |

Shingleton Mgt. Unit

Compartment: 15 Year of Entry: 2017



| Stand | Cover Type                    | Acres | Managed<br>Site | General Comments:   |
|-------|-------------------------------|-------|-----------------|---|
| 64    | 500 - Water                   | 24.7  | No              |   |
| 65    | 510- Water (OI)               | 6.8   | No              | OPIC - FMD: pond in marsh   |
| 66    | 510- Water (OI)               | 11.9  | No              | OPIC - FMD: pond in marsh   |
| 69    | 510- Water (OI)               | 4.2   | No              | OPIC - FMD: Along the banks of the Creighton River. Scattered trees throughout (RP, WP, JP, & Cherry).  |
| 72    | 6239 - Mixed Emergent Wetland | 707.7 | No              | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford Muck and Markey<br>Mucky Peat  |
|       |                               |       |                 | Scattered trees and shrubs throughout.  |
| 73    | 122 - Road/Parking Lot        | 8.6   | No              | OPIC - FMD: S. Creighton Truck Trail R-O-W.   |
| 74    | 622 - Lowland Shrub           | 32.4  | No              | Scattered tag alder.  |
| 75    | 622 - Lowland Shrub           | 0.6   | No              | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford Muck and Markey<br>Mucky Peat  |
| 77    | 6229 - Mixed lowland shrub    | 33.7  | No              | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford Muck and Markey<br>Mucky Peat  |
| 79    | 622 - Lowland Shrub           | 5.3   | No              | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford Muck and Markey<br>Mucky Peat  |
| 80    | 3102 - Grass                  | 0.1   | No              | OPIC - FMD: Along the banks of the Creighton River. Scattered trees throughout (RP, WP, JP, & Cherry).  |
| 81    | 622 - Lowland Shrub           | 1.6   | No              | OPIC - FMD: Large low, wet area with tall brush. Soil=Deford Muck and Markey<br>Mucky Peat  |
| 100   | 3102 - Grass                  | 1.0   | No              | OPIC - FMD: Along the banks of the Creighton River. Scattered trees throughout (RP, WP, JP, & Cherry). Soil=Deford-AuSable-Tawas Mucks  |
| 401   | 3102 - Grass                  | 16.5  | No              | OPIC - FMD: Along the banks of the Creighton River. Scattered trees throughout<br>(RP, WP, JP, & Cherry). Soil=Deford-AuSable-Tawas Mucks<br>Majority of stand would be considered river buffer |
| 402   | 3102 - Grass                  | 1.2   | No              | OPIC - FMD: Along the banks of the Creighton River. Scattered trees throughout (RP, WP, JP, & Cherry).  |