

# **Shingleton Forest Management Unit Compartment Review Presentation**

Compartment #81 Entry Year: 2014 Compartment Acreage: 2,259 County: Schoolcraft

**Revision Date:** 7/16/2012

**Stand Examiner:** Adam Petrelius

**Legal Description:** T42N R17W, Section 36: T41N R17W, Sections 1, 12, 13

RMU (if applicable): Compartment 81 lies within Garden Thompson Plains Management Area.

**Management Goals:** The main goal of this compartment is to conduct multiple resource management for current and future generations.

**Soil and Topography:** The topography within the compartment fairly consistent. Elevation values peak at 682 feet and drop to 620 near the Indian Lake shoreline. With the exception of a few small stands, the entire compartment is forested. Forested land is mostly northern hardwoods, red pine plantations, and aspen. The two most abundant soils are Rubicon Sand and Kalkaska Sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land within this compartment was acquired between 1972 and 1980 from a federal government exchange. The compartment boundary borders private, state land, and some school forest land. It receives heavy use by various people for hunting, berry picking, ORV, walking, riding horses, and fishing. It also sees a lot of illegal use such as littering, off road riding, and firewood theft.

**Special Management Designations or Considerations:** The northern part of the compartment is a deer wintering area.

**Watershed and Fisheries Considerations:** Streams are classified from First Quality Cold Water (FQCW) down to Second Quality Warm Water (SQWW). In this area, the FQCW means an excellent trout fishery, one that is supplemented by a Fisheries Division annual stocking program. These waters are generally the famous ones, but also include somewhat smaller waters that are capable of supporting the fish population density necessary to provide a superior angling experience. SQCW implies a cold stream that supports a natural trout population, but is limited by either physical size or lack of spawning/foraging habitat. Its limitations mean that it will never support a heavy angling pressure and harvest, so Fisheries Division does not publicize the water. Local anglers, however, know what the streams support, and do fish them quite a bit. In-stream habitat is usually in the form of large woody debris, or downed trees. Fish need them because they provide protection from overhead predators and because they force water currents to scour holes under and around them. The holes provide more water volume in the stream, keeping it cooler, as well as giving the fish more volume to "hide" in. The woody structure also forces more eddy currents, breaking the "solid" water flow so that fish can get out of the current to rest. First Quality Warm Waters, (FQWW) are large, productive waters capable of supporting a good fishery for either warm-water species or cool-water species. In the Upper Peninsula, the designation generally applies to walleye, pike, musky or smallmouth bass waters. SQWW means small, possibly stagnant, warm streams that produce little to no actual fishery. Although small, their warm temperatures and generally high nutrient levels imply generally a higher productivity than the more "fishable" streams. Their value is attained from the production of forage that migrates downstream into areas of either cold-water or warm-water sports fish populations. For that reason, they are NOT useless

waters, and they should be protected somewhat for the aquatic invertebrate and fish forage that they produce. Beaver populations in these streams could be a benefit, as their dams will increase productivity as well as inhibit sand bedload migration. Fisheries Values Good. Both Dufour and Silver Creeks are classified as FQCW and should be protected as much as possible.

Wildlife Habitat Considerations: This compartment is contained within the Escanaba/Door Peninsula ecological sub-subsection. The growing season is 140 days. Extreme minimum temperatures are around -35 degrees F. Annual average snowfall is 70 inches. The compartment falls within the Garden Thompson Plains Management Area which highlights the following Featured Species: American woodcock, ruffed grouse, wild turkey and white-tailed deer. General Land Office (GLO) Surveyor notes show the circa 1850 upland forest in the northern portion of this compartment was dominated by hemlock with a mixture of beech, sugar maple, birch, and beech. Lowlands were predominantly cedar. The southern portion of the compartment contained open and semi-open pine plains containing red and white pine. Windthrow, fire, and beaver ponding were likely the major forms of natural disturbance. Current upland forests are substantially altered from pre-settlement conditions. While there is a fairly significant amount of northern hardwoods remaining within the compartment, the sugar maple is now the most abundant species. In addition red pine plantations, jack pine plantations, and aspen stands are distributed across the southern half of the department. The silver creek basin is a deer yarding area. Wildlife habitat objectives include maintaining species and structural diversity within and between hardwood stands, maintaining age-class diversity between aspen stands and conifer stands, and maintaining closed canopy conifer stands. There are no known rare species within this compartment. Other wildlife species of interest that may utilize this compartment include red-backed salamander, ring-necked snake, brown thrasher, gray squirrel and southern flying squirrel.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel, an end moraine of medium-textured till and minor peat and muck. The glacial drift thickness varies between 10 and 100 feet. The Silurian Manistique and Burnt Bluff Groups subcrop below the glacial drift. The Burnt Bluff is quarried for stone on private land in Section 8, 3 miles to the west, for the limited production of dimension building stone and decorative stone. Gravel pits are located in Section 15, but potential may be limited. There is no commercial oil and gas production in the UP.

**Vehicle Access:** A lot of roads are present and the land is mostly upland. Access is very good. A portion of the Silver Creek Grade was formerly closed to use two years ago due to BMP issues.

**Survey Needs:** Survey work will be needed for timbersale purposes.

**Recreational Facilities and Opportunities:** Snowmobile Trails 2 and 7 intersect in the Southern portion of the compartment and Trail 7 continues north through much of the compartment. The Indian Lake State Park Westshore Campground lies to the east. Local equestrian's riders frequently use the area and take advantage of a turn-around at intersection of the snowmobile trails listed above.

**Fire Protection:** Response time to fire will be fairly fast due to good access and distance from Thompson office. A variety of fuels exist, mostly upland and spring fires would be the concern here. This area receives a lot of public use also.

#### **Additional Compartment Information:**

- > The following reports from the Inventory are attached:
  - **♦** Total Acres by Cover Type and Age Class
  - **♦** Proposed Treatment Summary
  - **♦** Proposed Treatments No Limiting Factors
  - **♦** Proposed Treatments With Limiting Factors

- ♦ Stand Details (Forested and Nonforested)
- **♦** Dedicated and Proposed Special Conservation Areas
- > The following information is displayed, where pertinent, on the attached compartment maps:
  - ♦ Base feature information, stand boundaries, cover types, and numbers
  - **♦** Proposed treatments
  - ♦ Details on the road access system

 $\triangleright$ 

Compartment 081 Year of Entry 2014

Shingleton Mgt. Unit

Adam Petrelius : Examiner



|                        |     |    |        |      |     |  |        |     |         |       |        |          |                |         |      | - Com   |
|------------------------|-----|----|--------|------|-----|--|--------|-----|---------|-------|--------|----------|----------------|---------|------|---------|
| Age Class              |     |    |        |      |     |  |        |     |         |       |        |          |                |         |      |         |
|                        |     | 80 | \$ 7.0 | 2.50 | No. | do de la companya della companya della companya de la companya della companya del | 18 / S | 8 / | , R. J. | \$ 6. | , ss / | 00'.00'. | 70,70<br>10,70 | Jue Jue | 8    | , r. r. |
| Aspen                  | 84  | 9  | 117    | 257  | 57  | 55   | 5      | 0   | 0       | 0     | 0      | 0        | 0              | 0       | 585  |         |
| Cedar                  | 0   | 0  | 0      | 0    | 0   | 0  | 0      | 55  | 0       | 9     | 11     | 0        | 0              | 0       | 74   |         |
| Hemlock                | 0   | 0  | 0      | 0    | 0   | 0  | 0      | 0   | 0       | 3     | 0      | 0        | 0              | 0       | 3    |         |
| Herbaceous Openland    | 18  | 0  | 0      | 0    | 0   | 0  | 0      | 0   | 0       | 0     | 0      | 0        | 0              | 0       | 18   |         |
| Jack Pine              | 72  | 28 | 0      | 0    | 0   | 0  | 0      | 0   | 0       | 0     | 0      | 0        | 0              | 0       | 100  |         |
| Lowland Conifers       | 0   | 7  | 0      | 0    | 0   | 0  | 0      | 0   | 0       | 0     | 38     | 0        | 0              | 0       | 45   |         |
| Lowland Deciduous      | 0   | 0  | 0      | 0    | 0   | 0  | 0      | 30  | 0       | 0     | 0      | 0        | 0              | 0       | 30   |         |
| Lowland Shrub          | 14  | 0  | 0      | 0    | 0   | 0  | 0      | 0   | 0       | 0     | 0      | 0        | 0              | 0       | 14   |         |
| Mixed Upland Deciduous | 0   | 0  | 0      | 0    | 0   | 0  | 0      | 0   | 39      | 0     | 0      | 0        | 0              | 0       | 39   |         |
| Northern Hardwood      | 0   | 0  | 0      | 0    | 25  | 0  | 0      | 10  | 16      | 745   | 0      | 0        | 0              | 0       | 795  |         |
| Red Pine               | 18  | 0  | 0      | 0    | 28  | 3  | 420    | 1   | 0       | 0     | 0      | 0        | 0              | 0       | 472  |         |
| Upland Mixed Forest    | 0   | 0  | 25     | 0    | 0   | 0  | 7      | 0   | 0       | 0     | 0      | 0        | 0              | 0       | 32   |         |
| Urban                  | 36  | 0  | 0      | 0    | 0   | 0  | 0      | 0   | 0       | 0     | 0      | 0        | 0              | 0       | 36   |         |
| Water                  | 8   | 0  | 0      | 0    | 0   | 0  | 0      | 0   | 0       | 0     | 0      | 0        | 0              | 0       | 8    |         |
| White Pine             | 0   | 0  | 0      | 0    | 0   | 0  | 0      | 8   | 0       | 0     | 0      | 0        | 0              | 0       | 8    |         |
| Total                  | 249 | 44 | 143    | 257  | 110 | 58   | 433    | 104 | 55      | 757   | 49     | 0        | 0              | 0       | 2259 | 1       |



#### **Table 2 - Proposed Treatment Summaries**

## Shingleton Mgt. Unit

Compartment 081 Year of Entry 2014 **Total Compartment Acres: 2259** 

#### **Acres by Treatment Type**

Commercial Harvest - 1323 Site Prep - 0 Tree Planting - 0 Prescribed Burn - 0 Other - 0

Habitat Cut - 0 Opening Maintenance - 0 Tree Seeding - 0 Pesticide - 18

#### **Cover Type by Harvest Method**

|                 |         | oover Type by Harvest Method |  |   |   |     |   |      |  |  |  |  |  |
|-----------------|---------|------------------------------|--|---|---|-----|---|------|--|--|--|--|--|
|                 |         | /                            | The second secon |   |   |     |   |      |  |  |  |  |  |
| Aspen           |         | 64                           | 0  | 0 | 0 | 0   | 0 | 64   |  |  |  |  |  |
| Mixed Upland De | ciduous | 25                           | 0  | 0 | 0 | 0   | 0 | 25   |  |  |  |  |  |
| Northern Hardwo | od      | 10                           | 737  | 0 | 0 | 0   | 0 | 747  |  |  |  |  |  |
| Red Pine        |         | 0                            | 0  | 0 | 0 | 421 | 0 | 421  |  |  |  |  |  |
| Upland Mixed Fo | rest    | 66                           | 0  | 0 | 0 | 0   | 0 | 66   |  |  |  |  |  |
|                 | Total   | 164                          | 737  | 0 | 0 | 421 | 0 | 1323 |  |  |  |  |  |

## Table 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 081
Year of Entry 2014

| DEPARTME | DNR DNR  | Source |
|----------|----------|--------|
| 10       | MICHIGAN | 9      |

| a<br>n<br>d | Treatment<br>Name | Acres | CoverType                   | Size<br>Density     | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective     | Approval<br>Status       |
|-------------|-------------------|-------|-----------------------------|---------------------|--------------|-------------|-------------------|---------------------|-----------------------------|--------------------------|
| 8           | 41081001-Cut      | 3.5   | 42110 - Planted<br>Red Pine | High<br>Density Log | 65<br>}      | 111-140     | Harvest           | Crown Thinning      | 42110 - Planted<br>Red Pine | Cmpt. Review<br>Proposal |

Prescription Thin stand to 120 basal area.

Specs:

S

Other Use of the snowmobile trail during snowmobile season for harvesting will not be allowed. Trail may be crossed only during winter months.

Comments:

Some areas of the plantion have rows which are getting very tight to operate. These should be evaluated at time of sale prep and whole rows

may need to be removed in areas.

<u>Next</u>

Thin again next year of entry.

Steps:

Proposed

Start Date: 10/01/2013

2 41081002-Cut 5.3 4139 - Aspen, Medium 60 Harvest Clearcut 4139 - Aspen, Cmpt. Review Mixed Deciduous Density Mixed Deciduous Proposal

Pole

Prescription Cut all species except hemlock and oak if they exist. Leave the apple trees located within stand.

Specs:

Other Chipping is allowed. No winter harvesting for deer yard managment. Include small portion that crosses compartment boundary. Less than 3%

Comments: retention is acceptable due to stands size.

Next Check regeneration next year of entry.

Steps:

Proposed\_

Start Date: 10/01/2013

41081003-Cut 4.0 4110 - Sugar Maple High 90 111-140 Harvest Single Tree 4110 - Sugar Maple Cmpt. Review 10 Association Density Log Selection Association Proposal

Prescription Mark hardwood according complete marker standards. Designate all beech to be cut. Some areas of stand have beech bark disease present. If

Specs:

resistant trees are found, mark those to leave. Also leave some large mast produceing beech with bear claw marks. Make sure that sufficient regeneration holes are created.

regeneration notes are created.

Other No winter harvesting. In areas that were harvested heavily 20 years ago sugar maple regenerated well and out competed the beech. It is very

<u>Comments:</u> important that overall residual basal area is lower than 80 and sufficient large regen holes are present.

Some sinkholes and vernal ponds are located NE of county road 455. No trees should be marked in these areas and equipment should be kept

out.

Next Check regeneration next year of entry.

Steps:

<u>Proposed</u>

Start Date: 10/01/2013

4 41081004-Cut 9.7 4116 - Mixed N. High 70 111-140 Harvest Clearcut with 4139 - Aspen, Cmpt. Review Hardwood - Aspen Density Log Reserves Mixed Deciduous Proposal

<u>Prescription</u> Cut all trees except hemlock and oak if they are present.

Specs:

Other Winter harvest for deeryard managmenet. There is a small pocket in the middle of the stand that has thick fir regeneration. This should be saved

Comments: for retention.

Next Check regeneration next year of entry.

Steps:

<u>Proposed</u>

Start Date: 10/01/2013

## Table 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 081 Year of Entry 2014

| 10     | F NATURAL |
|--------|-----------|
| 13     | ( )       |
| PART D | NR UR     |
| 12/    | 15/       |
| /      | MICHIGAN  |
| ۱nnı   | oval      |

| a<br>n<br>d | Treatment<br>Name | Acres | CoverType                   | Size<br>Density     | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective     | Approval<br>Status       |
|-------------|-------------------|-------|-----------------------------|---------------------|--------------|-------------|-------------------|---------------------|-----------------------------|--------------------------|
| 8           | 41081006-Cut      | 13.3  | 42110 - Planted<br>Red Pine | High<br>Density Log | 65<br>}      | 111-140     | Harvest           | Crown Thinning      | 42110 - Planted<br>Red Pine | Cmpt. Review<br>Proposal |

Prescription Thin stand to 120 basal area.

Specs:

S

Other Use of the snowmobile trail during snowmobile season for harvesting will not be allowed. Trail may be crossed only during winter months.

Comments:

Some areas of the plantion have rows which are getting very tight to operate. These should be evaluated at time of sale prep and whole rows

may need to be removed in areas.

<u>Next</u>

Thin again next year of entry.

Steps:

Proposed

Start Date: 10/01/2013

8 41081008-Cut 78.7 42110 - Planted High 65 111-140 Harvest Crown Thinning 42110 - Planted Cmpt. Review Red Pine Density Log Red Pine Proposal

<u>Prescription</u> Thin stand to 120 basal area. No winter harvesting for deer yard management.

Specs:

Other Use of the snowmobile trail during snowmobile season for harvesting will not be allowed. Trail may be crossed only during winter months.

Comments:

Some areas of the plantion have rows which are getting very tight to operate. These should be evaluated at time of sale prep and whole rows

may need to be removed in areas.

Next Thin again next year of entry.

Steps:

Proposed

Start Date: 10/01/2013

1041081010-Cut199.14110 - Sugar MapleHigh90111-140HarvestSingle Tree4110 - Sugar MapleCmpt. ReviewAssociationDensity LogSelectionAssociationProposal

<u>Prescription</u> Mark hardwood according complete marker standards. Designate all beech to be cut. Some areas of stand have beech bark disease present. If resistant trees are found, mark those to leave. Also leave some large mast produceing beech with bear claw marks. Make sure that sufficient

regeneration holes are created.

Other Winter harvest for deer yard management. In areas that were harvested heavily 20 years ago sugar maple regenerated well and out competed

Comments: the beech. It is very important that overall residual basal area is lower than 80 and sufficient large regen holes are present.

Some sinkholes and vernal ponds are located NE of county road 455. No trees should be marked in these areas and equipment should be kept

out.

Next Check regeneration next year of entry.

Steps:

отера.

<u>Proposed</u>

Start Date: 10/01/2012

841081014-Cut11.542110 - Planted<br/>Red PineHigh<br/>Density Log65111-140HarvestCrown Thinning<br/>Review<br/>Red Pine42110 - Planted<br/>Red PineCmpt. Review<br/>Proposal

Prescription Thin stand to 120 basal area.

Specs:
Other

Use of the snowmobile trail during snowmobile season for harvesting will not be allowed. Trail may be crossed only during winter months.

Comments:

Some areas of the plantion have rows which are getting very tight to operate. These should be evaluated at time of sale prep and whole rows

may need to be removed in areas.

Next Steps: Thin again next year of entry.

Proposed

Start Date: 10/01/2013

#### Table 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 08 Year of Entry 201

| 1 | TOF NATURAL P |
|---|---------------|
| 4 | DNR           |
|   | MICHIGAN .    |

| a<br>n<br>d | Treatment<br>Name | Acres | CoverType                         | Size<br>Density     | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method      | Cover Type<br>Objective           | Approval<br>Status       |
|-------------|-------------------|-------|-----------------------------------|---------------------|--------------|-------------|-------------------|--------------------------|-----------------------------------|--------------------------|
| 10          | 41081015-Cut      | 488.2 | 4110 - Sugar Maple<br>Association | High<br>Density Log | 90           | 111-140     | Harvest           | Single Tree<br>Selection | 4110 - Sugar Maple<br>Association | Cmpt. Review<br>Proposal |

Specs:

S

Prescription Mark hardwood according complete marker standards. Designate all beech to be cut. Some areas of stand have beech bark disease present. If resistant trees are found, mark those to leave. Also leave some large mast produceing beech with bear claw marks. Make sure that sufficient

regeneration holes are created.

Other\_ Comments: Winter harvest for deer yard management. In areas that were harvested heavily 20 years ago sugar maple regenerated well and out competed the beech. It is very important that overall residual basal area is lower than 80 and sufficient large regen holes are present.

Some sinkholes and vernal ponds are located NE of county road 455. No trees should be marked in these areas and equipment should be kept

Next Check regeneration next year of entry.

Steps:

Proposed

11/05/2012 Start Date:

Cmpt. Review 22 41081022-Cut 11.9 4119 - Mixed High 80 111-140 Harvest **Group Selection** 4119 - Mixed Northern Hardwoods Density Northern Hardwoods Proposal Pole

Prescription Create large canopy gaps, 60 to 120 feet diameter, to favor regeneration of intollerant and mid tollerant species. Paths should be marked for

Specs: equipment to travel from gap to gap.

Cut in winter for deer yard management. Creek buffer should be 100 feet at least or on edge of conifer transition zone. <u>Other</u>

Comments:

<u>Next</u> Check regeneration next year of entry.

Steps:

Proposed

11/05/2012 Start Date:

41081023-Cut 52 23 5.1 4136 - Aspen, High Harvest Clearcut with 4136 - Aspen, Cmpt. Review Mixed Conifer Reserves Mixed Conifer Proposal Density

Pole

Prescription Cut all trees except hemlock and oak.

Specs:

Other Winter harvest for deer yard managmeent. Buffer creek 100 feet minimum, larger buffer along dense conifer. Do not use 2 inch spec on

Comments: hardwood

Next Check regeneration next year of entry.

Steps:

Proposed

10/01/2013 Start Date:

41081026-Cut 33.8 4110 - Sugar Maple High 90 111-140 Harvest Single Tree 4110 - Sugar Maple Cmpt. Review Association Density Loa Selection Association Proposal

Prescription Mark hardwood according complete marker standards. Designate all beech to be cut. Some areas of stand have beech bark disease present. If resistant trees are found, mark those to leave. Also leave some large mast produceing beech with bear claw marks. Make sure that sufficient Specs: regeneration holes are created.

Winter harvest for deer yard management. In areas that were harvested heavily 20 years ago sugar maple regenerated well and out competed Other

the beech. It is very important that overall residual basal area is lower than 80 and sufficient large regen holes are present. Comments:

Some sinkholes and vernal ponds are located NE of county road 455. No trees should be marked in these areas and equipment should be kept

Check regeneration next year of entry. <u>Next</u> Steps:

<u>Proposed</u>

Start Date: 11/05/2012

Compartment: 081 Shingleton Mgt. Unit Table 3 -- Treatments Prescribed with No Limiting Factor Year of Entry 2014 s t а **Treatment** Acres CoverType Size Stand BA **Treatment Treatment** Cover Type **Approval** n Density Name Method Objective Status Range Age Type d 28 41081028 sm 25.0 4191 - Mixed 80 Harvest Clearcut with 4191 - Mixed Cmpt. Review High **Upland Deciduous** Density **Upland Deciduous** all-Cut Reserves Proposal Pole with Conifer with Conifer Prescription Cut all trees except hemlock and oak. Specs: Other\_ Winter harvest for deer yard management required. Buffer creek 100 feet or more depending on slope and conifer component adjacent to creek. Comments: <u>Next</u> Check regeneration next year of entry. Steps: **Proposed** 10/01/2013 Start Date: 41081032-Cut 42110 - Planted 76 171-200 Low Thinning 42110 - Planted Cmpt. Review 32 1.2 High Harvest Red Pine Density Red Pine Proposal Pole Prescription Thin to 120 basal area. Specs: Stand is already on contract. Other\_ Comments: <u>Next</u> Steps: **Proposed** 05/01/2012 Start Date:

41081037-Cut 254.6 42110 - Planted 42110 - Planted 8 High 65 111-140 Harvest Crown Thinning Cmpt. Review Red Pine Density Log Red Pine

Prescription Thin stand to 120 basal area.

Specs:

Other\_ Use of the snowmobile trail during snowmobile season for harvesting will not be allowed. Trail may be crossed only during winter months.

Comments:

Some areas of the plantion have rows which are getting very tight to operate. These should be evaluated at time of sale prep and whole rows

may need to be removed in areas.

<u>Next</u>

Thin again next year of entry.

Steps:

<u>Proposed</u>

10/01/2013 Start Date:

41081038-Cut 59 38 24.3 4130 - Aspen High Harvest Clearcut with 4130 - Aspen Cmpt. Review Density Reserves Proposal Pole

Prescription Cut all species except hemlock, oak, red pine, and white pine.

Specs:

<u>Other</u> Protect all conifer regeneration.

Comments:

Check regeneration next year of entry.

<u>Next</u> Steps:

<u>Proposed</u>

10/01/2013 Start Date:

Proposal

## Table 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 081
Year of Entry 2014

| 1      | TOF NATURAL |     |
|--------|-------------|-----|
| RETAIL | 90          | OUF |
| OEP    | DNR         | CE  |
|        | M/CHIGAN    |     |

| a<br>n<br>d | Treatment<br>Name | Acres | CoverType                  | Size<br>Density         | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method | Cover Type<br>Objective    | Approval<br>Status       |
|-------------|-------------------|-------|----------------------------|-------------------------|--------------|-------------|-------------------|---------------------|----------------------------|--------------------------|
| 42          | 41081042-Cut      | 3.5   | 4132 - Aspen, Jack<br>Pine | High<br>Density<br>Pole | 53           |             | Harvest           | Clearcut            | 4132 - Aspen, Jack<br>Pine | Cmpt. Review<br>Proposal |

Prescription Cut all species except hemlock and oak if present.

Specs:

s

Other Snowmobile trail may not be used for harvesting operations. Stand will likely regenerate to aspen, but will also be used heavily every 10 years as Comments: a decking area for adjacent red pine stand and an absence of regeneration is acceptable.

<u>Next</u> Steps:

<u>Proposed</u>

Start Date: 10/01/2013

4641081046-Cut21.94130 - AspenHigh58HarvestClearcut with4130 - AspenCmpt. ReviewDensityReservesProposal

Prescription Cut all trees except hemlock and oak.

Specs:

Other Leave trees of assorted species should be painted for retention. Focus leaving red pine and white birch clumps. Also, leave trees where needed

Comments: along M149 for visual management.

Next Steps: Check regeneration next year of entry.

оторо.

Proposed

Start Date: 10/01/2013

8 41081058-Cut 58.7 42110 - Planted High 65 111-140 Harvest Crown Thinning 42110 - Planted Cmpt. Review Red Pine Density Log Red Pine Proposal

Prescription Thin stand to 120 basal area.

Specs:

Other Use of the snowmobile trail during snowmobile season for harvesting will not be allowed. Trail may be crossed only during winter months.

Comments:

Some areas of the plantion have rows which are getting very tight to operate. These should be evaluated at time of sale prep and whole rows

may need to be removed in areas.

<u>Next</u>

Thin again next year of entry.

Steps:

<u>Proposed</u>

Start Date: 10/01/2013

64 41081064\_sm 3.7 4132 - Aspen, Jack High 25 Harvest Clearcut 4132 - Aspen, Jack Cmpt. Review Pine Proposal Pole

<u>Prescription</u> Cut all trees except hemlock and oak if present. <u>Specs:</u>

Other Treatment is a portion of a larger stand that was left as a buffer strip. Stand behind buffer strip is now well stocked aspen and this strip can be

Comments: removed.

Next Check regeneration next year of entry.

Steps:

Proposed

Start Date: 10/01/2013

#### Table 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 081 Year of Entry 2014

| 6      | OF NATURAL | 1    |
|--------|------------|------|
| RTME   | 4          | 8800 |
| PEPA 1 | ONR M      | SES. |
| 1.     | M/CHIGAN   | /    |
| nn     | roval      |      |

| a<br>n<br>d | Treatment<br>Name | Acres | CoverType                 | Size<br>Density        | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method       | Cover Type<br>Objective | Approval<br>Status       |
|-------------|-------------------|-------|---------------------------|------------------------|--------------|-------------|-------------------|---------------------------|-------------------------|--------------------------|
| 69          | 41081069-Cut      | 58.5  | 4311 - Pine, Aspen<br>Mix | Low<br>Density<br>Pole | 22           |             | Harvest           | Clearcut with<br>Reserves | 3102 - Grass            | Cmpt. Review<br>Proposal |

Prescription Cut all trees except hemlock and oak if they exist. Leave all cherry. Exclude areas of younger cherry regeneration which is growning along the Specs:

edges of stand 7. Do not cut juneberry.

Other\_ Chipping is required. Winter harvest for deer yard management. Stand is being managed for grass. Less than 3% retention acceptable due to Comments:

grass managment objective.

Burn stand 36 following harvest. Plant hard or soft mast producing trees along edges of stands. Species recommendations will depend on wildlife <u>Next</u>

objectives and tree availability at time of planting. Steps:

**Proposed** 

s

Start Date: 10/01/2013

4311 - Pine, Aspen 41081073-Cut 4311 - Pine, Aspen 62 Cmpt. Review 73 7.3 High Harvest Clearcut with Mix Density Reserves Mix Proposal

Pole

Prescription Cut all trees except hemlock and oak if present. Jack pine can be designated for harvest, but all other conifer trees should be marked in orange

paint. Leave those conifers that would make the stand more visually appealing. Specs:

<u>Other</u> Protect all conifer regeneration. Red line placement should protect younger conifer near corner of stand.

Comments:

Sapling

Check regeneration next year of entry. <u>Next</u>

Steps:

**Proposed** 10/01/2013 Start Date:

42111 - Planted 42110 - Planted 74 41081074-18 4 Medium 3 Pesticide Other - Specify Cmpt. Review Red Pine, Mixed Density in Comments Red Pine Proposal Spray

Prescription Spray hardwood competition if determined needed by TMS.

Specs:

Other FTP C41-1165 is currently written and being kept open for possible release work.

Deciduous

Comments:

Next Steps: Proposed

05/01/2012 Start Date:

**Total Treatment** 

1341.5 Acreage Proposed:

Shingleton Mgt. Unit Table 4 -- Treatments Prescribed with Compartment: 081 a Limiting Factor s Year of Entry 2014 Treatment CoverType Treatment Treatment **Cover Type** n Acres Size Stand BA **Approval** Name Method Objective Status Density Age Range Type d #Error Prescription Specs: <u>Other</u> Comment: <u>Next</u> Steps: <u>Proposed</u> Start Date: #Error

Total Treatment Acreage Proposed:

<u>Limiting Factor and No</u> <u>Treatment Reason</u>

0

#### Out of YOE -- Treatments **Prescribed with No Limiting Factor**

Year of Entry: 2014

|                   | Treatment<br>Name     | Acres        | CoverType               | Size<br>Density         | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method        | Cover Type<br>Objective     | Approval<br>Status                       |
|-------------------|-----------------------|--------------|-------------------------|-------------------------|--------------|-------------|-------------------|----------------------------|-----------------------------|--|
|                   | 41009014-<br>Cut1     | 5.2          | 6120 - Lowland<br>Cedar | High<br>Density<br>Pole | 141          |             | Harvest           | Patch or Strip<br>Clearcut | 6120 - Lowland<br>Cedar     | Cmpt. Review<br>Proposal -<br>Incomplete |
| Prescri<br>Specs: |                       | ut app. 5 ac | cres, determined at tir | me of prep              |              |             |                   |                            |                             |  |
| Other<br>Comme    | ents:                 |              |                         |                         |              |             |                   |                            |                             |  |
| Next<br>Steps:    | Monitor               | according    | to work instructions.   |                         |              |             |                   |                            |                             |  |
| Propos<br>Start D |                       | 011          |                         |                         |              |             |                   |                            |                             |  |
| 4                 | 1044_OutOfY<br>OE-Cut | 0.9          |                         |                         |              |             | Harvest           | Crown Thinning             | 42210 - Natural<br>Red Pine | Cmpt. Review<br>Proposal -               |

Prescription Mark red pine and white pine to 80 sq.ft. where densities are high enough. Cut all other species except hemlock, oak, and cedar.

Specs:

Other

Retention will be a portion of the red pine and white pine trees remaining. Comments:

Possible regeneration harvest next year of entry. <u>Next</u>

Steps:

<u>Proposed</u> 10/01/2013 Start Date:

> 41172002-Cut 4.4 49 Single Tree 4110 - Sugar Maple Cmpt. Review 4112 - Maple, High Harvest Density Beech, Cherry Selection Association Proposal

Pole Association

Prescription Treatment=Thin stand down to 80 BA on average while putting in regen gaps to promote species diversity and Sugar Maple. Put stand up with

Specs: adjacent hardwood in comp 169 in 2014.

MO=Un-even aged hardwoods with quality Sugar Maple stems

Retention=Residual BA

<u>Other</u> Comments:

Natural regen survey to follow harvest during the next inventory cycle. <u>Next</u>

Steps:

**Proposed** 10/01/2014

Start Date:

**Total Treatment** 10.5 Acreage Proposed:

Incomplete

| Simigleton                                       | wigt. Offit  |   |   | orested Ota  | Year of Entry: 2014   |  |  |
|--|--|---|---|--|---|--|--|
| Level 4<br>Cover Type                            | Size<br>Density  | Acres   | Stand<br>Age  | BA<br>Range  | General<br>Comments:  |  |  |
| 42110 - Planted Red<br>Pine                      | High Density<br>Pole   | 3.5   | 51  | 111-140  | First thinning occured in 2005, North Riley Road Red Pine, 41-<br>006-04-01. Residual basal area was 130.   |  |  |
| 4139 - Aspen, Mixed<br>Deciduous                 | Medium<br>Density Pole   | 5.3   | 60  |  | New stand added.  |  |  |
| 4112 - Maple, Beech,<br>Cherry Association       | High Density<br>Pole   | 4.0   | 80  | 81-110   |   |  |  |
| 4116 - Mixed N.<br>Hardwood - Aspen              | High Density<br>Log  | 9.7   | 70  | 111-140  | New stand added. half ba is aspen and beech   |  |  |
| 4130 - Aspen                                     | High Density<br>Pole   | 6.5   | 32  |  |   |  |  |
| 42110 - Planted Red<br>Pine                      | High Density<br>Log  | 13.3  | 63  | 141-170  | Cut in 2005 North Riley Road Red Pine.41-006-04-01  |  |  |
| 4110 - Sugar Maple<br>Association                | Low Density<br>Pole  | 24.6  | 40  |  | old grass opening   |  |  |
| 42110 - Planted Red<br>Pine                      | High Density<br>Log  | 78.7  | 65  | 111-140  | Stand was row thinned in 1987, second thinning in 1995, third thinning in 2005.   |  |  |
| 4130 - Aspen                                     | High Density<br>Pole   | 4.7   | 22  |  |   |  |  |
| 4110 - Sugar Maple<br>Association                | High Density<br>Log  | 199.1   | 90  | 111-140  | 10 plots taken in stand. south 20 acres is heavy to beech. scale heavy in south, not bad in north   |  |  |
| 42350 - Upland Hemlock                           | High Density<br>Log  | 3.2   | 90  |  | vernal pond   |  |  |
| 4130 - Aspen                                     | High Density<br>Pole   | 15.5  | 29  |  | Stand was converted from hardwood to aspen for deer browse.   |  |  |
| 42110 - Planted Red<br>Pine                      | High Density<br>Log  | 11.5  | 65  | 111-140  | Stand was cut in 2004 with North Riley Road Red Pine Sale, 41-<br>006-04-01. Residual basal area was 110 red pine 10 cherry.  |  |  |
| 4111 - S.Maple, Hard<br>Mast Association         | High Density<br>Log  | 488.2   | 90  | 111-140  | Cut in 1997 and 1998.   |  |  |
| 4111 - S.Maple, Hard<br>Mast Association         | High Density<br>Log  | 23.7  | 90  | 81-110   | Stand cut in 2005, 4 Buck No Luck sale.   |  |  |
| 6117 - Lowland<br>Deciduous, Mixed<br>Coniferous | High Density<br>Log  | 30.3  | 70  |  | stand should get a closer look next time. Many thick patches of hemlock and cedar exist, but the more open areas could be delineated out and cut.   |  |  |
| 6128 - Lowland<br>Coniferous, Mixed<br>Deciduous | High Density<br>Log  | 4.5   | 100   |  | vernal pond   |  |  |
|  | Level 4 Cover Type  42110 - Planted Red Pine  4139 - Aspen, Mixed Deciduous  4112 - Maple, Beech, Cherry Association  4116 - Mixed N. Hardwood - Aspen  4130 - Aspen  4110 - Planted Red Pine  4110 - Sugar Maple Association  42110 - Planted Red Pine  4130 - Aspen  4130 - Aspen  4130 - Aspen  4130 - Aspen  4110 - Sugar Maple Association  42350 - Upland Hemlock  4130 - Aspen  4111 - S.Maple, Hard Mast Association  4111 - S.Maple, Hard Mast Association  6117 - Lowland Deciduous, Mixed Coniferous, Mixed Coniferous Mixed  6128 - Lowland Coniferous Mixed | Cover TypeDensity42110 - Planted Red PineHigh Density Pole4139 - Aspen, Mixed DeciduousMedium Density Pole4112 - Maple, Beech, Cherry AssociationHigh Density Pole4116 - Mixed N. Hardwood - AspenHigh Density Log4130 - AspenHigh Density Pole42110 - Planted Red PineLow Density Log4110 - Sugar Maple AssociationLow Density Pole4130 - AspenHigh Density Log4130 - AspenHigh Density Log4130 - AspenHigh Density Log4130 - AspenHigh Density Log42350 - Upland Hemlock AssociationHigh Density Log4131 - S.Maple, Hard PineHigh Density Log4111 - S.Maple, Hard Mast AssociationHigh Density Log4111 - S.Maple, Hard Mast AssociationHigh Density Log4111 - S.Maple, Hard Mast AssociationHigh Density Log4111 - Lowland Deciduous, Mixed Coniferous, Mixed Coniferous, Mixed Coniferous, Mixed Coniferous, Mixed LogHigh Density Log | Level 4<br>Cover Type         Size<br>Density         Acres           42110 - Planted Red<br>Pine         High Density<br>Pole         3.5           4139 - Aspen, Mixed<br>Deciduous         Medium<br>Density Pole         5.3           4112 - Maple, Beech,<br>Cherry Association         High Density<br>Pole         4.0           4116 - Mixed N.<br>Hardwood - Aspen         High Density<br>Pole         9.7           4130 - Aspen         High Density<br>Pole         13.3           4110 - Planted Red<br>Pine         Low Density<br>Pole         24.6           42110 - Planted Red<br>Pine         High Density<br>Pole         78.7           4130 - Aspen         High Density<br>Pole         4.7           4110 - Sugar Maple<br>Association         High Density<br>Pole         199.1           42350 - Upland Hemlock         High Density<br>Log         3.2           42110 - Planted Red<br>Pine         High Density<br>Log         15.5           42110 - Planted Red<br>Pine         High Density<br>Log         15.5           42111 - S.Maple, Hard<br>Mast Association         High Density<br>Log         23.7           4111 - S.Maple, Hard<br>Mast Association         High Density<br>Log         23.7           4111 - S.Waple, Hard<br>Mast Association         High Density<br>Log         23.7           4112 - S.Waple, Hard<br>Mast Association         High Density<br>Log         23.7 | Level 4 Cover Type         Size Density         Acres         Stand Age           42110 - Planted Red Pine         High Density Pole         3.5         51           4139 - Aspen, Mixed Deciduous         Medium Density Pole         5.3         60           4112 - Maple, Beech, Cherry Association         High Density Pole         4.0         80           4116 - Mixed N. Hardwood - Aspen         High Density Log         9.7         70           4130 - Aspen         High Density Pole         6.5         32           42110 - Planted Red Pine         High Density Log         13.3         63           4110 - Sugar Maple Association         Low Density Pole         24.6         40           42110 - Planted Red Pine         High Density Log         78.7         65           4110 - Sugar Maple Association         High Density Log         199.1         90           42350 - Upland Hemlock         High Density Log         3.2         90           42350 - Upland Hemlock Pine         High Density Log         15.5         29           42110 - Planted Red Pine         High Density Log         15.5         29           42110 - Planted Red Pine         High Density Log         15.5         29           4111 - S.Maple, Hard Mast Association         High Density Log | Level 4 Cover Type         Size Density         Acres         Stand Age         BA Range           42110 - Planted Red Pine         High Density Pole         3.5         51         111-140           4139 - Aspen, Mixed Deciduous         Medium Density Pole         5.3         60         81-110           4112 - Maple, Beech, Cherry Association         High Density Pole         4.0         80         81-110           4116 - Mixed N. Hardwood - Aspen         High Density Log         9.7         70         111-140           4130 - Aspen         High Density Pole         6.5         32           42110 - Planted Red Pine         High Density Log         13.3         63         141-170           4110 - Sugar Maple Association         High Density Pole         78.7         65         111-140           4110 - Planted Red Pine         High Density Log         199.1         90         111-140           4110 - Sugar Maple Association         High Density Log         3.2         90         111-140           42350 - Upland Hemlock Pine         High Density Log         15.5         29         111-140           4111 - S.Maple, Hard Mast Association         High Density Log         488.2         90         111-140           4111 - S.Maple, Hard Mast Association         High D |  |  |

Shingleton Mgt. Unit

Compartment: 081

| S<br>t      | Shingletor                                       |                         | 5 – Fo | orested Sta  | nds Compartment: 081 Year of Entry: 2014 |   |
|-------------|--|-------------------------|--------|--------------|--|---|
| a<br>n<br>d | Level 4<br>Cover Type                            | Size<br>Density         | Acres  | Stand<br>Age | BA<br>Range                              | General<br>Comments:  |
| 20          | 6120 - Lowland Cedar                             | High Density<br>Pole    | 54.9   | 70           |  |   |
| 21          | 4130 - Aspen                                     | High Density<br>Pole    | 27.1   | 35           |  |   |
| 22          | 4119 - Mixed Northern<br>Hardwoods               | High Density<br>Pole    | 11.9   | 80           | 111-140                                  |   |
| 23          | 4136 - Aspen, Mixed<br>Conifer                   | High Density<br>Pole    | 5.1    | 52           |  |   |
| 24          | 6128 - Lowland<br>Coniferous, Mixed<br>Deciduous | High Density<br>Log     | 33.5   | 100          |  |   |
| 25          | 4130 - Aspen                                     | High Density<br>Pole    | 13.1   | 40           |  | mixed ages  |
| 26          | 4112 - Maple, Beech,<br>Cherry Association       | High Density<br>Log     | 33.8   | 90           | 141-170                                  |   |
| 28          | 4191 - Mixed Upland<br>Deciduous with Conifer    | High Density<br>Pole    | 39.2   | 80           |  |   |
| 29          | 4133 - Aspen, Mixed<br>Pine                      | High Density<br>Pole    | 10.8   | 28           |  |   |
| 30          | 4130 - Aspen                                     | High Density<br>Pole    | 22.2   | 31           |  |   |
| 31          | 4130 - Aspen                                     | High Density<br>Pole    | 11.6   | 31           |  |   |
| 32          | 42110 - Planted Red<br>Pine                      | High Density<br>Pole    | 1.2    | 76           | 171-200                                  | Stand was prescribed at 2011 Compartment Review to be treated with C82, stand 16, it is now on proposal Bread Box Pine 35-11, Unit 2. Residual basal area 132ft red pine, red maple 6 ft. |
| 33          | 4130 - Aspen                                     | High Density<br>Sapling | 58.4   | 6            |  | Stand cut in December 2004, 4 Buck No Luck 41-023-04-01. TSI work occurred in 2005.   |
| 35          | 4130 - Aspen                                     | High Density<br>Pole    | 15.1   | 31           |  |   |
| 36          | 4132 - Aspen, Jack Pine                          | Low Density<br>Pole     | 8.7    | 30           |  | burn was prescribed last year of entry, but no records of completion  |
| 37          | 42110 - Planted Red<br>Pine                      | High Density<br>Pole    | 258.2  | 65           | 111-140                                  | Thinned in 1987 and 2005. variable basal areas  |
| 38          | 4130 - Aspen                                     | High Density<br>Pole    | 24.3   | 59           |  | Stands comments last year of entry stated to leave stand for visual management since it was converting to white pine.   |
|             | Pine   | Pole High Density       |        |              | 111-140                                  | Stands comments last year of entry state  |

| S<br>t      | Sningleton                                    |                         | 3-10  | nested Sta   | Year of Entry: 2014 |  |
|-------------|---|-------------------------|-------|--------------|---------------------|--|
| a<br>n<br>d | Level 4<br>Cover Type                         | Size<br>Density         | Acres | Stand<br>Age | BA<br>Range         | General<br>Comments:   |
| 39          | 4130 - Aspen                                  | High Density<br>Sapling | 3.1   | 13           |                     |  |
| 40          | 4130 - Aspen                                  | Medium<br>Density       | 5.8   | 12           |                     |  |
| 41          | 42200 - Natural White<br>Pine                 | High Density<br>Log     | 8.1   | 70           | 81-110              | Stand was cut in 1995 in which everything was cut except red pine and white pine.  |
| 42          | 4132 - Aspen, Jack Pine                       | High Density<br>Pole    | 3.5   | 53           |                     | New stand added.   |
| 43          | 42220 - Natural Jack<br>Pine                  | High Density<br>Sapling | 28.5  | 15           |                     | Stand was cut and scarified in summer 1996.  |
| 44          | 42110 - Planted Red<br>Pine                   | High Density<br>Pole    | 28.2  | 48           | 51-80               | Stand was species thinned with Red Pine Alley Sale in 2006.<br>Residual basal area is 56 sq. ft.   |
| <b>45</b>   | 4130 - Aspen                                  | High Density<br>Pole    | 36.6  | 33           |                     |  |
| 46          | 4130 - Aspen                                  | High Density<br>Pole    | 21.9  | 58           |                     | treatment delayed last entry   |
| 47          | 4130 - Aspen                                  | High Density<br>Sapling | 44.9  | 22           |                     | Stand is a series of aspen strip cuts which occurred between 1989 and 1995.  |
| 48          | 4132 - Aspen, Jack Pine                       | High Density<br>Pole    | 44.1  | 44           |                     |  |
| 49          | 4130 - Aspen                                  | High Density<br>Pole    | 58.6  | 33           |                     |  |
| 50          | 6120 - Lowland Cedar                          | High Density<br>Pole    | 8.6   | 90           |                     |  |
| 51          | 42111 - Planted Red<br>Pine, Mixed Deciduous  | Low Density<br>Sapling  | 14.8  | 3            |                     | Cut in 2004 Dufour Headwaters Sale (41-015-04-01) FTP W41-1387 was completed in 2008. This was an FTP written to remove submerchantable Scotch Pine. Stand was planted with red pine in spring 2008. 2010 regen check showed 692 red pine. |
| 52          | 6125 - Lowland Black<br>Spruce, Jack Pine     | High Density<br>Sapling | 6.8   | 16           |                     | Regen check in 2005 revealed a fully stocked black spruce stand with jack pine and tamarack present as well.   |
| 53          | 4130 - Aspen                                  | High Density<br>Pole    | 3.5   | 33           |                     |  |
| 55          | 4130 - Aspen                                  | High Density<br>Sapling | 10.8  | 6            |                     | Stand cut in December 2004, 4 buck no luck, 41-023-04-01. TSI work occurred in 2005. Regen walkthrough passed in 2009.   |
| 56          | 42121 - Planted Jack<br>Pine, Mixed Deciduous | Low Density<br>Sapling  | 21.5  | 3            |                     | Cut with Dufour Headwaters Sale (41-015-04-01). Stand was planted in 2009. 2010 Regen check showed 834 jack pine, 14 other conifer.  |

Compartment: 081

Shingleton Mgt. Unit

| s<br>t      | Shingleton                                   | Mgt. Unit              |       | 5 – Fo       | orested Sta | nds Compartment: 081 Year of Entry: 2014   |
|-------------|--|------------------------|-------|--------------|-------------|--|
| a<br>n<br>d | Level 4<br>Cover Type                        | Size<br>Density        | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:   |
| 57          | 4130 - Aspen                                 | High Density<br>Pole   | 39.2  | 37           |             |  |
| 58          | 42110 - Planted Red<br>Pine                  | High Density<br>Log    | 58.7  | 60           | 111-140     | Stand was pruned in 1989 with corrections. Thinned in 1987, and 2005. Residual basal area from last thinning (Red Pine Alley Sale) was 104 sq. ft.                   |
| 62          | 4130 - Aspen                                 | High Density<br>Pole   | 3.8   | 29           |             |  |
| 63          | 4130 - Aspen                                 | High Density<br>Pole   | 4.8   | 22           |             |  |
| 64          | 4132 - Aspen, Jack Pine                      | High Density<br>Pole   | 17.9  | 25           |             |  |
| 65          | 42120 - Planted Jack<br>Pine                 | Low Density<br>Sapling | 47.3  | 3            |             | Cut with sale 41-015-04-01 Dufour Headwaters. Stand was planted to jack pine in 2009, 2010 regen check showed 894 jack pine, 14 other conifer. Sprayed in fall 2010. |
| 66          | 4130 - Aspen                                 | Medium<br>Density      | 14.7  | 3            |             | New stand added. portion may have been sprayed. cut in 2009 . doufor headwaters  |
| 67          | 4132 - Aspen, Jack Pine                      | High Density<br>Pole   | 9.0   | 28           |             |  |
| 68          | 4132 - Aspen, Jack Pine                      | High Density<br>Pole   | 24.8  | 31           |             | Stand is an old grass stand that is filling in. Some pockets remain still. multiple ages present   |
| 69          | 4311 - Pine, Aspen Mix                       | Low Density<br>Pole    | 25.1  | 22           |             | Stand was burned in 2011. Has a history of garbage dumping in area.  |
| 70          | 6120 - Lowland Cedar                         | High Density<br>Pole   | 10.8  | 100          |             |  |
| 71          | 4132 - Aspen, Jack Pine                      | High Density<br>Pole   | 6.0   | 28           |             |  |
| 73          | 4311 - Pine, Aspen Mix                       | High Density<br>Pole   | 7.3   | 62           |             | Stand had salvage work done in 1997.   |
| 74          | 42111 - Planted Red<br>Pine, Mixed Deciduous | Medium<br>Density      | 3.7   | 3            |             | Stand cut with Dufour Headwaters Sale 41-015-04-01. Planted to red pine in 2009. 2010 regen check was 692 red pine.  |
| <b>75</b>   | 42120 - Planted Jack<br>Pine                 | Low Density<br>Sapling | 3.0   | 3            |             | Cut with sale 41-015-04-01 Dufour Headwaters. Stand was planted to jack pine in 2009, 2010 regen check showed 894 jack pine, 14 other conifer.                       |
| 76          | 4132 - Aspen, Jack Pine                      | High Density<br>Pole   | 3.4   | 31           |             |  |

#### 6 - Nonforested Stands

Compartment: 081 Year of Entry: 2014



| Stand | Cover Type                | Acres | Managed<br>Site | Management Priority<br>(Objective) | General Comments:   |
|-------|---------------------------|-------|-----------------|------------------------------------|---|
| 11    | 122 - Road/Parking Lot    | 15.7  | N\A             | Unspecified                        |   |
| 19    | 11 - Low Intensity Urban  | 1.7   | N\A             | Unspecified                        |   |
| 27    | 50 - Water                | 7.7   | N\A             | Unspecified                        |   |
| 34    | 310 - Herbaceous Openland | 4.6   | N\A             | Unspecified                        |   |
| 54    | 122 - Road/Parking Lot    | 18.3  | N\A             | Unspecified                        |   |
| 59    | 3102 - Grass              | 2.0   | No              | Unspecified                        | New stand added. Stand swapped from Forested to Non-Forested. |
| 60    | 622 - Lowland Shrub       | 13.5  | N\A             | Unspecified                        |   |
| 61    | 310 - Herbaceous Openland | 1.9   | N\A             | Unspecified                        |   |
| 72    | 31022 - Warm Season Grass | 9.4   | Yes             | High (NonForested)                 |   |

Compartment: 081 Year of Entry: 2014



#### 7 - 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.

| Stand SCA Type SCA Name Acres Comments |  |
|--|--|
|  |  |
|  |  |

Compartment: 081
Year of Entry 2014



#### **8 – DEDICATED CONSERVATION AREA DETAILS**

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

| Conservation Area | on Type                   | Description   | ERA = Ecological Reference Area<br>HCVA = High Conservation Value Area<br>SCA = Special Conservation Area   |
|-------------------|---------------------------|---|---|
| SCA               | Cold Water<br>Stream      | A coldwater stream has temperature and dissolved oxygen condistocked trout populations and those of other coldwater fish speciyear to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.  | es (e.g., slimy sculpin) to persist from se conditions due to substantial   |
| SCA               | Habitat Area              | An area that provide some specific need for the life cycle of wildli and Waterfowl Production Areas, deer wintering complexes in low openings and savannas. Habitat areas are distinct from critical hat endangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened or covered by species recovery plans that are developed in cooperations. | wland conifer communities, grassland abitat designated for recovery of piping plover areas) in that they are more endangered species, and are not |
| SCA               | Visual<br>Management Area | An area of general social appreciation that is managed to recogn Examples of these areas include scenic vistas, scenic or natural   |   |





