

# **Compartment Review Presentation**

Shingleton Forest Management Unit

Compartment 41075 Entry Year 2017 Acreage: 1,538

**County Schoolcraft** 

Management Area: Hiawatha Moraine

Revision Date: 2015-08-04

Stand Examiner: Adam Petrelius

**Legal Description:** 

T42N R15W, Section 6, 7, 8

## **Identified Planning Goals:**

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

## Soil and topography:

This compartment lies within the Hiawatha Moraine Management Area. The topography in this compartment is mostly flat, and elevations generally decrease towards the southern boundaries of the compartment. Soils in the northern portions of the compartment support mixed pine/aspen/oak stands, northern hardwoods, and some large grass openings. The southern portions of the compartment include lowland conifer species such as cedar and black spruce. The major soil types found within the compartment, in order of abundance, are Rubicon Sand, McMillan-Stutts Complex, McMillan-Greylock Complex, and Rubicon-Croswell-Deford Complex. The major habitat types with the compartment, in order of abundance, are PArV, AFPo, and PVE. The majority of this compartment lies within the Hiawatha Moraine Land Type Association (LTA) which is located in the northern half of the compartment. The other LTA found within the compartment is the Mint Farm LTA.

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

State land within this compartment was acquired between 1926 and 1943, and was either purchased or tax reverted. The entire northern boundary of the compartment borders state land. Approximately 1/4 of the west and south boundaries are adjacent to state land as well. Approximately  $\frac{3}{4}$  of the eastern compartment boundary is adjacent to state land. Adjacent private ownership along the compartment boundary includes 6 different parcels, and 3 camps are known to exist adjacent to this compartment.

# **Unique Natural Features:**

Under review.

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

None known.

#### **Special Management Designations or Considerations:**

Most stands in this compartment are located within the deeryard, and are classified as a Special Conservation Area.

#### **Watershed and Fisheries Considerations:**

None.

## Wildlife Habitat Considerations:

This compartment sets just north of the Sturgeon Hole deer yard and includes a portion of the High Rollways opening complex. The original surveyor's notes indicate that the pre-settlement land cover consisted primarily of hemlock and white pine. Red pine, beech, white birch, and sugar maple were also common components of the forest. Current vegetation is substantially different from pre-settlement conditions. Grassy openings now constitute about 1/3rd of the compartment. Red pine plantation, aspen, and oak have also expanded substantially from the 1850s. Featured species in this compartment are woodcock, ruffed grouse, sharp-tailed grouse, and white-tailed deer. Wildlife habitat objectives consist primarily of maintaining the grassy openings for deer breaking out of the winter yards, promoting oak as a high source of protein for a wide variety of wildlife life, and protecting the closed canopy conifer forests.

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

Surface sediments consist of lacustrine sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness (< 100 feet). The Silurian Manitoulin Dolomite and Cabothead Shale subcrop below the glacial drift. The Manitoulin could be used for stone. Gravel pits are not located in the area, but there may be some potential. There is no commercial oil and gas production in the UP, but a new location was staked three miles to the southwest.

#### **Vehicle Access:**

The Low High Rollways Road travels throughout the majority of the compartment. There is good vehicle access throughout the entire compartment, and almost every location in the compartment is within ¼ mile of a forest road that can be driven by a 2-wheel drive vehicle.

#### **Survey Needs:**

survey work needed

## **Recreational Facilities and Opportunities:**

There are no recreational facilities within this compartment. A snowmobile trail travels east/west through a portion of the compartment. In prior years the Low High Rollways Road has been plowed during the winter months. This creates ice fishing opportunities on the Manistique River. Numerous late season bow hunters have also taken advantage of the plowed road.

#### **Fire Protection:**

Response time to fires within this compartment will be fast. A well established road system will make fire operations easier within the compartment. This compartment has no water source, however the Manistique River is within ¼ mile of the southern compartment boundary. This compartment and adjacent compartments are almost entirely upland with surface fuels consisting of primarily grass and pine litter. There are currently prescriptions on the grass openings which will use prescribed burning as an opening maintenance tool.

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

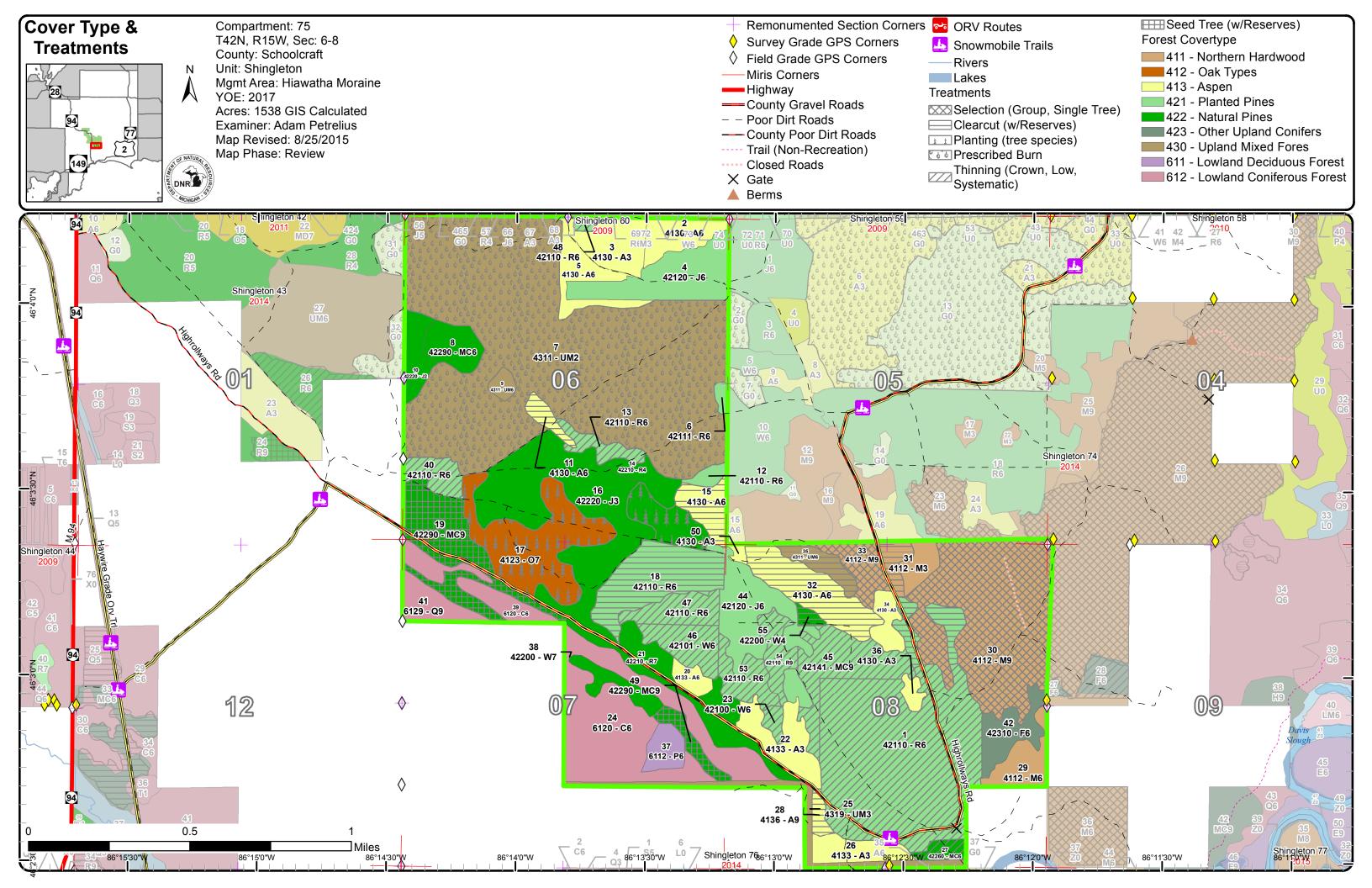
The following reports from the Inventory are attached:

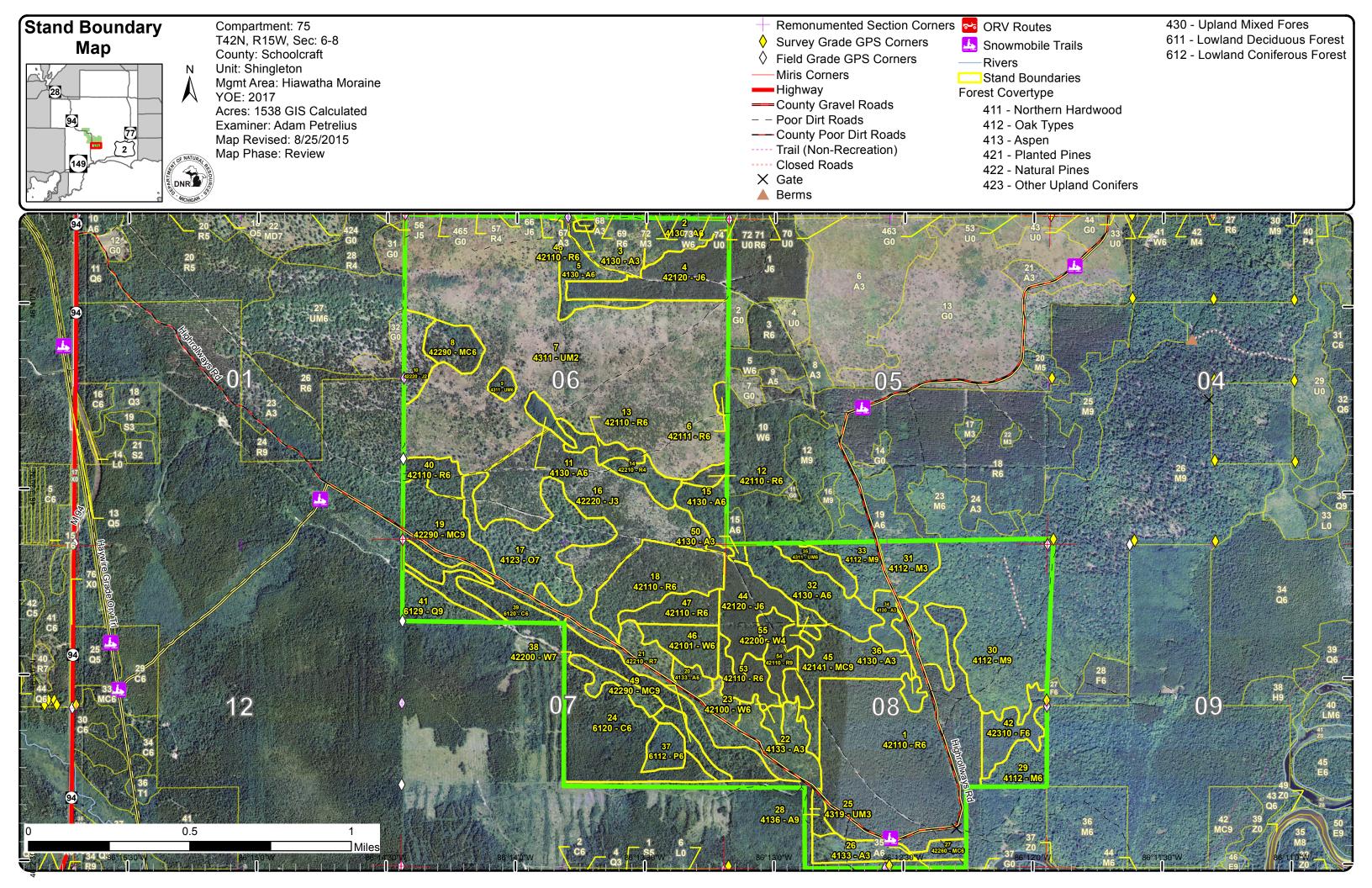
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

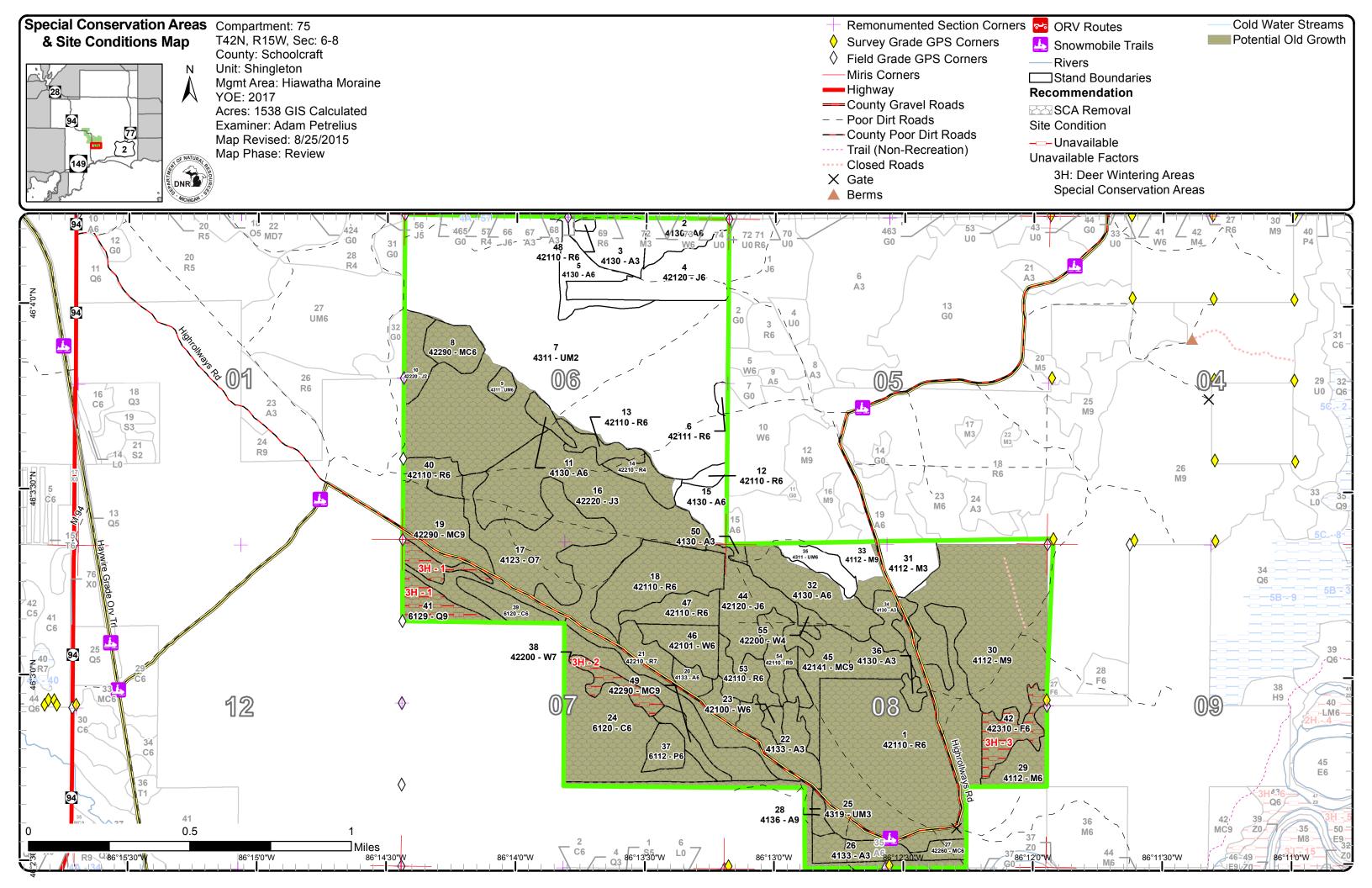
The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries

Details on the road access system







Shingleton Mgt. Unit

**Adam Petrelius : Examiner** 

Compartment 75 Year of Entry 2017



# Age Class

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	Not Not	Kor /			\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	§ /\$		, } /&					70,70				LE LE	g* Jue	No. No.
Aspen	0	13	41	50	2	0	50	4	0	0	0	0	0	0	0	0	0	0	160
Cedar	0	0	0	0	0	0	0	0	0	11	85	0	0	0	0	0	0	0	96
Jack Pine	0	0	0	114	0	75	0	0	0	0	0	0	0	0	0	0	0	0	189
Lowland Aspen/Balsam Poplar	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	22
Natural Mixed Pines	0	0	0	0	0	0	19	0	0	0	51	0	0	0	0	0	0	0	70
Northern Hardwood	0	0	0	0	15	0	0	0	0	144	0	0	0	0	0	0	0	0	159
Oak	0	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	54
Planted Mixed Pines	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	33
Red Pine	0	0	0	0	0	33	73	177	34	0	0	0	0	0	0	0	0	0	317
Upland Mixed Forest	0	0	347	19	0	0	14	0	0	0	0	0	0	0	0	0	0	0	380
Upland Spruce/Fir	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	17
White Pine	0	0	0	0	0	20	3	0	0	0	0	10	0	0	0	0	0	0	33
Total	0	13	388	183	26	128	176	214	34	231	136	10	0	0	0	0	0	0	1539



# **Report 2 – Treatment Summary**

# Shingleton Mgt. Unit Year of Entry: 2017

# **Acres of Harvest**

Compartment 75
Total Compartment Acres: 1,538

Commercial Harvest - 578 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

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

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Aspen		54	0	0	0	0	0	0	0	0	54	ĺ
Natural Mixed Pines		0	0	0	51	0	5	0	0	0	56	-
Northern Hardwood		7	129	0	0	0	0	0	0	0	136	Ī
Planted Mixed Pines		0	0	0	0	0	33	0	0	0	33	-
Red Pine		53	0	0	0	0	214	0	0	0	266	
Upland Mixed Forest		10	0	0	0	0	0	0	0	0	10	1
White Pine		3	0	0	0	0	20	0	0	0	23	
	Total	126	129	0	51	0	273	0	0	0	578	

# **Proposed and Next Step Treatments by Method**

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Current		578	0	71	0	347	0	0	0	0	996	
Next Step		0	0	128	0	40	0	683	0	0	851	
	Total	578	0	199	0	387	0	683	0	0	1847	

Compartment: 75 Year of Entry: 2017

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t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	41075001-Cut	152.4	42110 - Planted Red Pine	Poletimber Well	62	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

**Habitat Cut: No Site Condition:** 

Prescription Thin red pine and white pine to 120 sq. ft. basal area. all other species were removed 20 years ago.

Specs:

WLD comment - This prescription will strive to balance red pine age classes within the MA and create a temporary opening, within a mosaic of opening/plantation habitat, which will benefit sharp-tailed grouse and other open-land dependent species.

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Other Minimize impacts to snowmobile trail. May want to deduct acreage for roads while cruising and separate the units with larger size trees in the Comment: east. Survey work will be needed. Old next step comments:

Proposed Start Date:

41075001-42110 - Planted Poletimber 62 111-Harvest Clearcut with 411 - Northern Even-Aged Proposal Red Pine Cutx Well 140 Retention Hardwood

**Site Condition: Habitat Cut: No** 

10/1 /2016

Prescription Cut all trees except hemlock and oak. Place red paint on some mature red pine to keep it as a component of the stand.

Specs

Next Step Planting, Initial Plant; Monitoring, Natural Regen (Re-Inventory)

**Treatments:** 

Acceptable mixed deciduous and coniferous trees

Regen:

Other Main red pine stand is being "squared up" for ease of future site prep work. Portion of stand is being converted to hardwood since it is

surrounded by hardwood and would be difficult to keep in red pine due to the shape of these fingers. Old next step comments: Comment:

Proposed Start Date: 10/1 /2016

41075007-Sapling 346.6 4311 - Pine, Aspen 15 1-50 Burn 310 -Draft Field Opening Burn Mix Medium Herbaceous Boundary Openland

**Habitat Cut: Yes Site Condition:** 

Prescription Prescribed fire, farming (dozing, disking, raking, seeding(native or naturalized species only), fertilizing and liming, brushhog/saw removal of Specs: competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step

**Treatments:** 

<u>Acceptable</u>

Regen:

Other 4 2 2

Work will be completed under FTP 1619 and 1620 which was approved at 2016 YOE compartment review Old next step comments:

Comment:

**Proposed Start Date:** 11/3 /2014

41075011-Cut 5.4 4130 - Aspen Poletimber 50 81-110 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Well Retention

**Habitat Cut: No Site Condition:** 

Prescription Cut all species except hemlock, oak, and red pine, and white pine. 2 inch spec on all hardwood. Leave one 8 foot long, 8 inch minimum log per Specs:

acre for a grouse drumming log.

Next Step **Treatments:** 

Acceptable mixed coniferous and deciduous trees

Regen:

Other No harvesting April 1 - July 15, sharptail nesting season. Minimize impacts to snowmobile trail. Retention will be red pine, white pine, and any

oak / hemlock if present. Old next step comments: Comment:

Next Step

Acceptable

Regen: Other

Minimize impacts to snowmobile trail. No retention other than red pine, white pine, and oak. Old next step comments:

Comment:

**Proposed Start Date:** 10/1 /2016

4130 - Aspen 15 41075015-Cut 13.5 Poletimber 51 81-110 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Well Retention

Habitat Cut: No **Site Condition:** 

Prescription Cut all species except hemlock and oak if present, use 2 inch spec on all hardwood. Leave one 8 foot long, 8 inch minimum log per acre for a

grouse drumming log. Specs:

Next Step **Treatments:** 

Acceptable mixed deciduous and conifer

Regen:

Other Minimize impacts to snowmobile trail. Retention will be hemlock and oak if present. Old next step comments:

Comment:

10/1 /2016 **Proposed Start Date:** 

41075016-16 16.6 42220 - Natural Sapling 25 1-50 Initial Plant 412 - Oak Types Even-Aged Proposal **Planting** Well **Plant** Jack Pine

**Habitat Cut: Yes Site Condition:** 

Prescription Plant oak.

Specs:

Next Step Treatments:

Acceptable oak and mixed deciduous and coniferous trees. wld will be planting oak

Regen:

Other Old next step comments:

Comment:

**Proposed Start Date:** 10/1 /2016

41075017-54.3 17 4123 - Red Oak Sawtimber 85 51-80 Underplant 412 - Oak Types Even-Aged **Planting** Proposal

**Plant** 

Prescription Plant large oak in canopy gaps or use exclosures to ensure oak recruitment.

**Site Condition:** 

Poor

Specs:

Next Step **Treatments:** 

Acceptable oak

**Habitat Cut: Yes** 

Regen:

**Other** Stand has had a history of being browsed and the oak saplings have not recruited above browse height. This was observed 10 years ago also.

Plant some large oak that are above the height of deer. Old next step comments: Comment:

Shingleton Mgt. Unit

Report 4 -- Treatments

Compartment: 75 Year of Entry: 2017 DNR MICHIGAN

a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status	7
18	41075018-Cut	40.2	42110 - Planted Red Pine	Poletimber Well	51	51-80	Harvest	Clearcut	4123 - Red Oak	Even-Aged	Proposal	

Habitat Cut: No Site Condition:

Prescription convert to grass

Specs:

S

WLD comment - This final harvest will strive to balance age classes within the MA and create a temporary opening, within a mosaic of opening/forested habitat, which will benefit sharp-tailed grouse and other open-land dependent species.

Next Step Burn, Slash; Planting, Initial Plant

Treatments:

Acceptable oak, mixed deciduous and coniferous trees. oak will be planted by wildlife division

Regen:

Other Stocking of red pine is poor and trees are not growing well. Site would be better suited for wildlife management. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

19 41075019-Cut 43.3 42290 - Natural Sawtimber 96 81-110 Harvest Seed Tree with 4191 - Mixed Even-Aged Proposal Retention Upland

Deciduous with Conifer

Habitat Cut: No Site Condition:

<u>Prescription</u> Leave less than 30 sq ft residual basal area of mature, large crown seed trees. Designate all other species for harvest except hemlock, oak, and <u>Specs:</u> cedar if present.

WLD comment - This final harvest will strive to balance age classes within the MA and create a temporary opening, within a mosaic of opening/forested habitat, which will benefit sharp-tailed grouse and other open-land dependent species.

Next Step Planting, Underplant; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed coniferous and deciduous species.

Regen:

Other Minimize impacts to snowmobile trail. Force harvest to bare ground conditions only for scarification purposes. Protect existing pine regeneration.

Comment: Retention will be red pine, white pine, and any oak / hemlock if present. VBAR cruising will be needed. Old next step comments:

Proposed Start Date: 10/1 /2016

23 41075023-Cut 3.5 42100 - Planted Poletimber 48 111- Harvest Systematic 4210 - Planted Even-Aged Proposal White Pine Well 140 Thinning White Pine

Habitat Cut: No Site Condition:

Prescription Row thin red pine and white pine. A representative sample of all species present should be left.

Specs:

WLD comment - This prescription will strive to balance red pine age classes within the MA and create a temporary opening, within a mosaic of opening/plantation habitat, which will benefit sharp-tailed grouse and other open-land dependent species.

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Minimize impacts to snowmobile trail. Retention will be red pine, white pine, and any oak / hemlock if present. Old next step comments:

Other Comment:

Regen:

Minimize impacts to snowmobile trail. Harvest in winter only for deer. Retention of cedar, hemlock, and oak is acceptable. Survey work will be Other

needed. Old next step comments: Comment:

10/1 /2016 **Proposed Start Date:** 

41075030-Cut 113.9 4112 - Maple, Sawtimber 80 111-Harvest Single Tree 411 - Northern Uneven-Proposal Well

Beech, Cherry Selection 140 Hardwood Aged

Association

**Habitat Cut: No Site Condition:** 

Prescription Mark stand to complete marker standards, designate all beech and ash for harvest, leave some beech that appear to be resistant or have heavy bear use in the past. No chipping

Specs:

Next Step **Treatments:** 

Acceptable mixed hardwood and coniferous species.

Regen:

Minimize impacts to snowmobile trail. Deer wintering layer splits stand. Restrict to winter harvest, but allow latitude to shift dates based on Other

weather conditions. Western boundary will be irregular since it borders and adjacent sale. Old next step comments: Comment:

**Proposed Start Date:** 10/1 /2016

41075031-Cut 6.9 Sapling 51-80 4112 - Maple, 30 Harvest Clearcut 412 - Oak Types Even-Aged Proposal

Well Beech, Cherry

Association

**Habitat Cut: No Site Condition:** 

Prescription Cut all trees except hemlock and oak if present. Use 2 inch spec. Specs:

Next Step Planting, Initial Plant; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak and other species recommended by wildlife division

Regen:

Other

Minimize impacts to snowmobile trail. Less than 3% retention is acceptable. Old next step comments:

Comment:

BA

Range

81-110

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32

			Year of	Entry: 2017	DNR DNR DRA
е	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status

413 - Aspen

Hardwood

Even-Aged

Aged

Proposal

Site Condition: **Habitat Cut: No** 

Prescription Cut all trees except hemlock and oak. Use 2 inch spec on hardwood. Leave one 8 foot long, 8 inch minimum log per acre for a grouse drumming

Harvest

Clearcut with

Retention

Selection

Specs:

**Treatment** 

Name

41075032-Cut

Next Step **Treatments:** 

Acceptable mixed coniferous and deciduous trees

Acres

31.4

Regen:

Manage for aspen since there is an abundance of pine to the south. Minimize impacts to snowmobile trail. Retention could be accomplished by Other

Comment: patches shared with stand 35 to the north. Old next step comments:

Stand

CoverType

4130 - Aspen

**Proposed Start Date:** 10/1 /2016

4112 - Maple, 41075033-Cut 14.9 Sawtimber 80 81-110 Harvest Single Tree 411 - Northern Uneven-Proposal

> Beech, Cherry Well Association

Stand

Age

50

Size

Density

Poletimber

Well

**Habitat Cut: No Site Condition:** 

Prescription Most of this stand was harvested recently and these areas will just need gaps created since regeneration was poor, other portions of stand will Specs: need quality gaps created and will need to be marked to complete marker standards. Designate all beech and ash for harvest. Leave some

beech that appear to be resistant or have had heavy use by bears if present.

Next Step Planting, Initial Plant; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed deciduous and coniferous trees

Regen: **Other** 

minimize impact to snowmobile trail. Boundary will cross compartment line slightly. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

41075035-Cut 9.8 4311 - Pine, Aspen Poletimber 51 81-110 Clearcut with 413 - Aspen Harvest Even-Aged Proposal Mix

Well

Retention

Thinning

Red Pine

**Habitat Cut: No Site Condition:** 

Prescription Cut all species except hemlock and oak. Use 2 inch spec on hardwood.

Specs:

Next Step

Treatments:

Acceptable mixed deciduous and coniferous trees

Regen:

Stand is failed WP plantation which is overtopped heavily by aspen. Manage for aspen due to abundance of pine to the immediate south. Other

Minimize impacts to snowmobile trail. Retention could be accomplished by shared patches with stand 75 to the south. Old next step comments: Comment:

Proposed Start Date: 10/1 /2016

40 41075040-Cut 42110 - Planted Poletimber 4211 - Planted 10.4 51 111-Harvest Systematic Even-Aged Proposal

> Red Pine Well Site Condition:

Prescription Row thin red pine and white pine. A representative sample of all species present should be left. Do not cut hemlock and oak if present.

140

Specs:

Next Step

**Habitat Cut: No** 

**Treatments:** 

<u>Acceptable</u>

Regen:

Other Minimize impacts to snowmobile trail. Retention will be red pine, white pine, and any oak / hemlock if present. Old next step comments:

Comment:

DNR DNR
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Compartment: 75

S t a									Year of I	Entry: 2017	DNR DNR
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
45	41075045-Cut	33.1	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	62	111- 140	Harvest	Systematic Thinning	429 - Mixed Upland Conifers	Even-Aged	Proposal

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

Specs:

Prescription Row thinning of red pine and white pine. Row thin red pine and white pine. A representative sample of all species present should be left. Do not cut hemlock and oak if present.. Make sure rows are wide enough to operate. Overall basal area when done may be between 70 and 100 sq. ft. due to the amount of other species being removed.

WLD comment - This prescription will strive to balance red pine age classes within the MA and create a temporary opening, within a mosaic of opening/plantation habitat, which will benefit sharp-tailed grouse and other open-land dependent species.

Next Step

**Treatments:** 

Acceptable

Regen:

Minimize impacts to snowmobile trail. Retention of mixed pine and oak is acceptable. Old next step comments:

Comment:

Other

**Proposed Start Date:** 10/1 /2016

Systematic 46 41075046-Cut 16.8 42101 - Planted Poletimber 48 111-Harvest 4210 - Planted Proposal Even-Aged White Pine, Mixed Well 140 Thinning White Pine Deciduous

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

Prescription Row thin red pine and white pine. Row thin red pine and white pine. A representative sample of all species present should be left. Do not cut Specs: hemlock and oak if present.

WLD comment - This prescription will strive to balance red pine age classes within the MA and create a temporary opening, within a mosaic of opening/plantation habitat, which will benefit sharp-tailed grouse and other open-land dependent species.

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Other Minimize impacts to snowmobile trail. No retention other than red pine and white pine. Old next step comments:

Comment:

**Proposed Start Date:** 10/1 /2016

47 41075047-Cut 15.3 42110 - Planted Poletimber 141-4211 - Planted Harvest Systematic Even-Aged Proposal Red Pine Thinning Red Pine Well 170

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

Prescription Row thin red pine and white pine. Row thin red pine and white pine. A representative sample of all species present should be left. Do not cut Specs: hemlock and oak if present.

WLD comment - This prescription will strive to balance red pine age classes within the MA and create a temporary opening, within a mosaic of opening/plantation habitat, which will benefit sharp-tailed grouse and other open-land dependent species.

Next Step

Treatments:

Acceptable

Regen: Other

Minimize impacts to snowmobile trail. Old next step comments:

Comment:

41075053-Cut 42110 - Planted 13.7

4211 - Planted Poletimber 45 Proposal 111-Harvest Systematic Even-Aged Red Pine Red Pine Well 140 Thinning

**Habitat Cut: No Site Condition:** 

Prescription Row thin red pine and white pine. A representative sample of all species present should be left. Do not cut hemlock and oak if present. Specs:

Next Step **Treatments:** 

<u>Acceptable</u>

Regen:

**Other** Minimize impacts to snowmobile trail. Retention will be red pine, white pine, and any oak / hemlock if present. Old next step comments:

Comment:

**Proposed Start Date:** 10/1 /2016

4211 - Planted 42110 - Planted 41075054-Cut 12.2 Sawtimber 62 111-Harvest Systematic Even-Aged Proposal 140 Thinning Red Pine

Red Pine Well

**Site Condition:** 

Prescription Row thin red pine and white pine. A representative sample of all species present should be left. Do not cut hemlock and oak if present.

Specs:

Next Step

**Habitat Cut: No** 

**Treatments:** 

<u>Acceptable</u> Regen:

Other Minimize impacts to snowmobile trail. Retention will be red pine, white pine, and any oak / hemlock if present. Old next step comments:

Comment:

Shingleton Mgt. Unit Report 4 -- Treatments

Compartment: 75 Year of Entry: 2017

t a									Year of E	entry: 2017	DNR DNR
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
55	41075055-Cut	2.5	42200 - Natural White Pine	Poletimber Poor	50	1-50	Harvest	Clearcut	412 - Oak Types	Even-Aged	Proposal

Habitat Cut: No Site Condition:

Prescription Cut all trees except hemlock and oak. Use 2 inch spec on all hardwood.

Specs:

Next Step Planting, Initial Plant; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak or other preferred wildlife species.

Regen:

Other Stand is sparse and open grown white pine. Would be a good place for oak. Minimize impacts to snowmobile trail. Less than 3% retention is

Comment: acceptable. Old next step comments:

Proposed Start Date: 10/1 /2016

Total Treatment
Acreage Proposed:

995.6

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 75
Year of Entry: 2017

# **Dominant Site Conditions**

ЗН

22
17
10
49

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3H: Deer Wintering Areas	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	3H: Deer Wintering Areas	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: overstory is mixture located in deer winte	of white pine and hemlock. no ering area.	ot enougl	h pine to make it worth wh	ile to remove overstory. mo	ost of it is large / poor quali	ity and stand is
3	Unavailable	3H: Deer Wintering Areas	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: white spruce plantat cover.	ion. provides excellent therma	al cover o	currently. The benefit of the	inning this plantation would	not be as great as the ber	nefit of the thermal

Shingleton Mgt. Unit

Compartment: 075 Year of Entry: 2017



# 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				
C75 SCA removal	Potential Old Growth		SCA Removal	1106				
Comments								
Was previously listed as other SCA and POG. Remove SCA designation.								

Mgt. Unit Compartment:
Year of Entry

# 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.

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

S t	Shingletor	Shingleton Mgt. Unit			- Forested	Stands Compartment: 75 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42110 - Planted Red Pine	Poletimber Well	164.8	62	111-140	Basal area from 10 cruise points was 131 during inventory. Highest plot was 160. Stand was thinned in 1999. Trees in east are bigger because they were pruned by inmates and better quality soil near hardwoods.
2	4130 - Aspen	Poletimber Well	15.2	24	1-50	
3	4130 - Aspen	Sapling Well	20.4	16	Immature	
4	42120 - Planted Jack Pine	Poletimber Well	36.5	45	81-110	
5	4130 - Aspen	Poletimber Well	16.7	24	1-50	
6	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	2.3	43	111-140	
7	4311 - Pine, Aspen Mix	Sapling Medium	346.9	15	1-50	Burned in 2000. On FTP 1620 already for opening maintenance.
8	42290 - Natural Mixed Pine	Poletimber Well	13.9	50	81-110	ridges have bigger wood
9	4311 - Pine, Aspen Mix	Poletimber Well	3.8	50	81-110	
10	42220 - Natural Jack Pine	Sapling Medium	12.5	23	1-50	Stand was not burned in 2000 when surrounding stands were.
11	4130 - Aspen	Poletimber Well	5.4	50	81-110	
12	42110 - Planted Red Pine	Poletimber Well	3.6	51	81-110	Cut in spring 2008 with Wildshot sale. Residual basal area was 80 red pine, 5 aspen, 3 jack pine.
13	42110 - Planted Red Pine	Poletimber Well	8.3	50	111-140	
14	42210 - Natural Red Pine	Poletimber Poor	10.2	51	1-50	Stand was cut in spring 2008, wild shot sale. 6 acres of TSI work was completed
15	4130 - Aspen	Poletimber Well	13.5	51	81-110	
16	42220 - Natural Jack Pine	Sapling Well	101.1	25	1-50	
17	4123 - Red Oak	Sawtimber Poor	54.3	85	51-80	Zero recruitment of oak saplings within stand. Oak regeneration is heavily browsed. Stand is used heavily by deer.

S t	Shingletor	Shingleton Mgt. Unit			- Forested	Stands Compartment: 75 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	42110 - Planted Red Pine	Poletimber Well	40.2	51	51-80	1 - 3 stick trees. Very poor quality red pine plantation. Some of the worst growth I have ever seen.
19	42290 - Natural Mixed Pine	Sawtimber Well	43.3	96	81-110	
20	4133 - Aspen, Mixed Pine	Poletimber Well	5.8	25	51-80	some pockets of older aspen present within stand. stand
21	42210 - Natural Red Pine	Sawtimber Poor	33.8	71	1-50	Stand was cut in spring of 2010, wild shot sale. residuals were 25 ft red pine, 12 ft white pine
22	4133 - Aspen, Mixed Pine	Sapling Well	20.8	15	Immature	stand was cut in spring 2000, tsi work completed also
23	42100 - Planted White Pine	Poletimber Well	3.5	48	111-140	
24	6120 - Lowland Cedar	Poletimber Well	85.4	91	111-140	
25	4319 - Mixed Upland Forest	Sapling Well	19.1	21	Immature	Stand only exists because there is no survey data to verify actual location of compartment boundary. Once survey is completed we will know if this is actually state land or not.
26	4133 - Aspen, Mixed Pine	Sapling Well	13.3	5	1-50	cut in fall 2000 with Wild Shot Sale. 30 feet of red pine/white pine residual from cruise. regen is nice
27	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	5.4	54	81-110	
28	4136 - Aspen, Mixed Conifer	Sawtimber Well	3.9	65	111-140	boundary may change due to cedar and hemlock exclusions and survey
29	4112 - Maple, Beech, Cherry Association	Poletimber Well	15.0	80	81-110	Cut in the spring of 1999
30	4112 - Maple, Beech, Cherry Association	Sawtimber Well	113.9	80	111-140	Cut in 1992
31	4112 - Maple, Beech, Cherry Association	Sapling Well	15.2	30	51-80	a mixture of open and cherry
32	4130 - Aspen	Poletimber Well	31.4	50	81-110	appears to be 40 and 60 years old .
33	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.9	80	81-110	Cut in 2009. Regen is present but browsed heavily in many areas.
34	4130 - Aspen	Sapling Well	8.6	25	1-50	

S t	Shingletor		Report 8	- Forested	Stands Compartment: 75 Year of Entry: 2017	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	4311 - Pine, Aspen Mix	Poletimber Well	9.8	51	81-110	failed white pine plantation. Stand is overtopped with mature aspen.
36	4130 - Aspen	Sapling Well	3.7	25	1-50	
37	6112 - Lowland Aspen	Poletimber Well	9.4	36	1-50	
38	42200 - Natural White Pine	Sawtimber Poor	9.6	101	1-50	Stand was cut in 2001. regenerating well
39	6120 - Lowland Cedar	Poletimber Well	10.8	80	81-110	
40	42110 - Planted Red Pine	Poletimber Well	10.4	51	111-140	
41	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	22.0	86	Unspecified	Stand was cut in 2001 with alot of cedar and hemlock residual.
42	42310 - Planted Spruce	Poletimber Well	17.1	54	111-140	
44	42120 - Planted Jack Pine	Poletimber Well	38.3	45	81-110	
45	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	33.1	62	111-140	
46	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	16.8	48	111-140	
47	42110 - Planted Red Pine	Poletimber Well	15.3	48	141-170	
48	42110 - Planted Red Pine	Poletimber Well	1.5	48	111-140	
49	42290 - Natural Mixed Pine	Sawtimber Well	7.5	96	141-170	
50	4130 - Aspen	Sapling Well	1.7	30	1-50	adjacent stand to the north leaked over compartment boundary and created this stand.
53	42110 - Planted Red Pine	Poletimber Well	13.7	45	111-140	
54	42110 - Planted Red Pine	Sawtimber Well	12.2	62	111-140	
55	42200 - Natural White Pine	Poletimber Poor	2.5	50	1-50	

Mgt. Unit

# Report 9 - Nonforested Stands

Compartment: Year of Entry:



Stand	Cover Type	Acres	Site	General Comments:
		#Type!		