



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41060

Entry Year 2019

Acreage: 1,370

County Schoolcraft

Management Area: Hiawatha Moraine

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**Revision Date:** 2017-08-10

**Stand Examiner:** Tori Irving

**Legal Description:**

T43N R15W Sections 19, 30 & 31

**Identified Planning Goals:**

The goals in this compartment include conducting multiple resource management for current and future generations. Forest Health, Recreation, Biodiversity Stewardship, Wildlife and Timber Management are some of the key management components within this compartment.

**Soil and topography:**

The soils in Schoolcraft County have recently been re-mapped by the Soil Survey. Specific soils information including Habitat Types can be found in the individual stand comments. In general, the soils are well drained sands. The terrain in the area is relatively flat. The Eastern Upper Peninsula Eco-Regional Planning Process is using a Management Area Concept to manage on a broader scale and Land Type Associations (LTA's) are key components to defining the soils and topography within the Management Areas. This entire compartment lies within the Hiawatha Moraine LTA.

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

The compartment is entirely contiguous State land. There is little development within the compartment, however; due to the upland ground and easy access to the area, it does receive a good amount of public use.

**Unique Natural Features:**

Currently under review by Michigan Natural Features Inventory (MNFI).

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

Refer to HAL report.

**Special Management Designations or Considerations:**

A portion of Section 31 is part of a Sharptail Grouse Corridor which is managed both commercially and non-commercially to maintain the area in an open style habitat which the birds need to survive.

**Watershed and Fisheries Considerations:**

None.

**Wildlife Habitat Considerations:**

This compartment lies on the north end of the High Rollways complex. Pre-settlement data show hemlock, sugar maple, white pine and birch dominated the forest within the compartment. Current forest conditions are substantially different from the circa 1850 forests. Pine plantations with a mixture of aspen now dominate the compartment. The wildlife habitat management regime is primarily associated with maintaining early successional forests and developing age structural diversity between pine plantations.

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

Gravel pits are located one mile to the west and there could be some sand and gravel potential within the compartment. There is no known metallic mineral potential in this region. There is no commercial oil and gas production in the UP.

**Vehicle Access:**

The compartment has excellent access including the High Rollways Truck Trail which is a County Road.

**Survey Needs:**

None needed at this time.

**Recreational Facilities and Opportunities:**

The compartment does not have any recreational facilities. The area gets a lot of recreational users including hunters, birdwatchers, blueberry pickers, ORV users, and snowmobilers.

**Fire Protection:**

The area has numerous roads which will aid in suppression efforts if a fire were to occur. There is an increased potential for slash fires since so much of the pine is being harvested. In general, the Sharptail Corridor has been managed through fire, therefore most of the fuel has been removed which lessens the chance for a large fire to occur.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

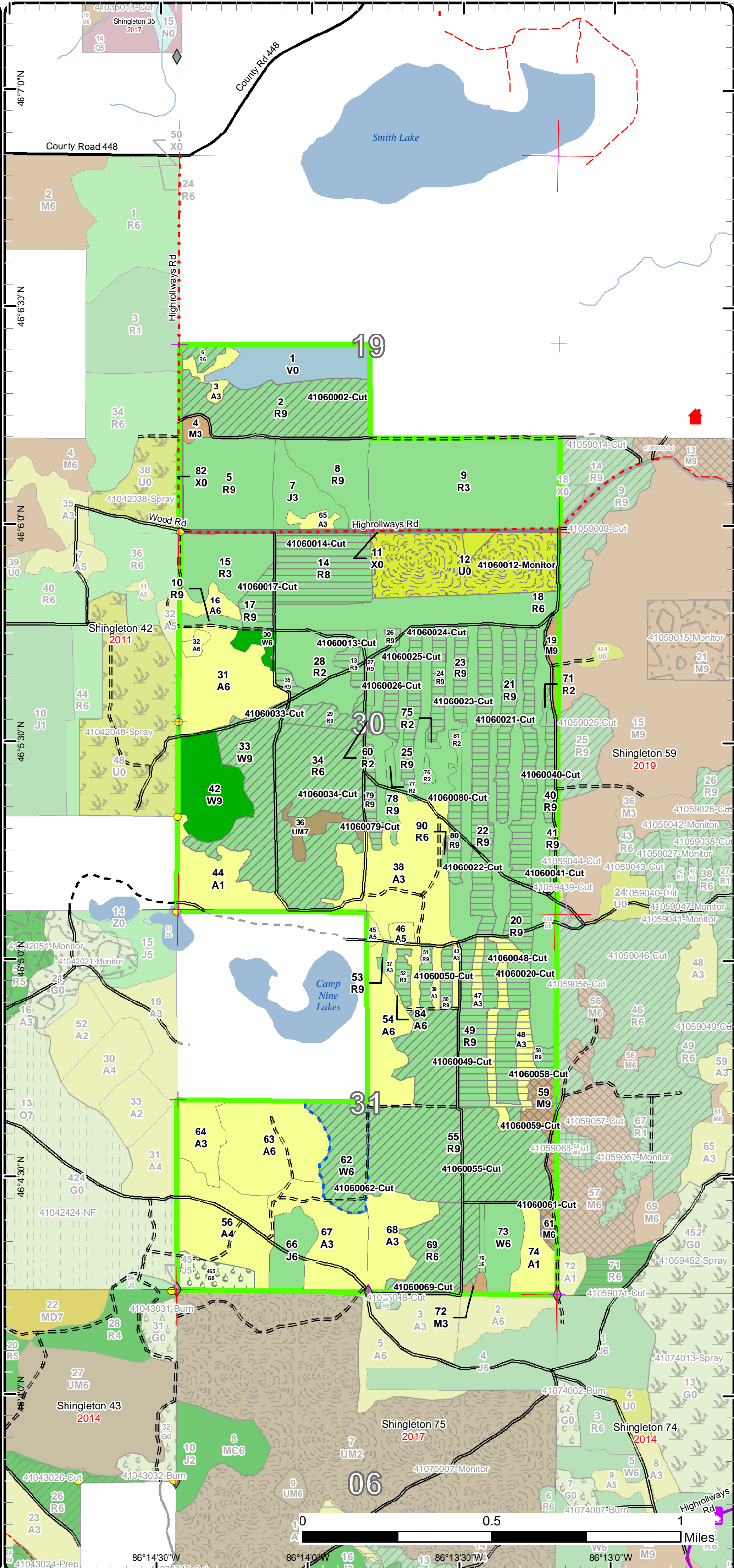
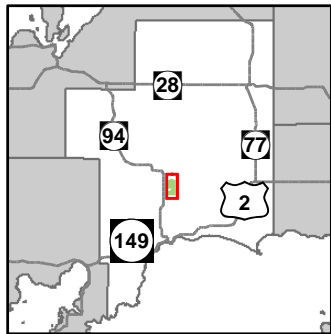
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

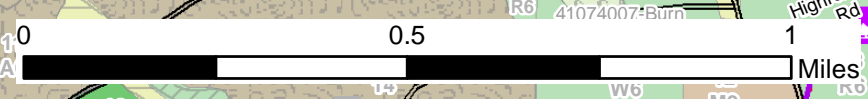
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 60  
 T43N,R15W, Sec: 19, 30, 31  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Hiawatha Moraine  
 YOE: 2019  
 Acres: 1,370 GIS Calculated  
 Examiner: Tori Irving  
 Map Revised: 7/30/2018  
 Map Phase: Post Review



- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Cabin
- Structures
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Prescribed Burn
- Thinning (Crown, Low, Systematic)
- Monitoring
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes

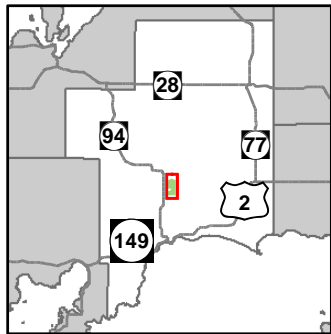


86°14'30"W 86°14'00"W 86°13'30"W 86°13'00"W

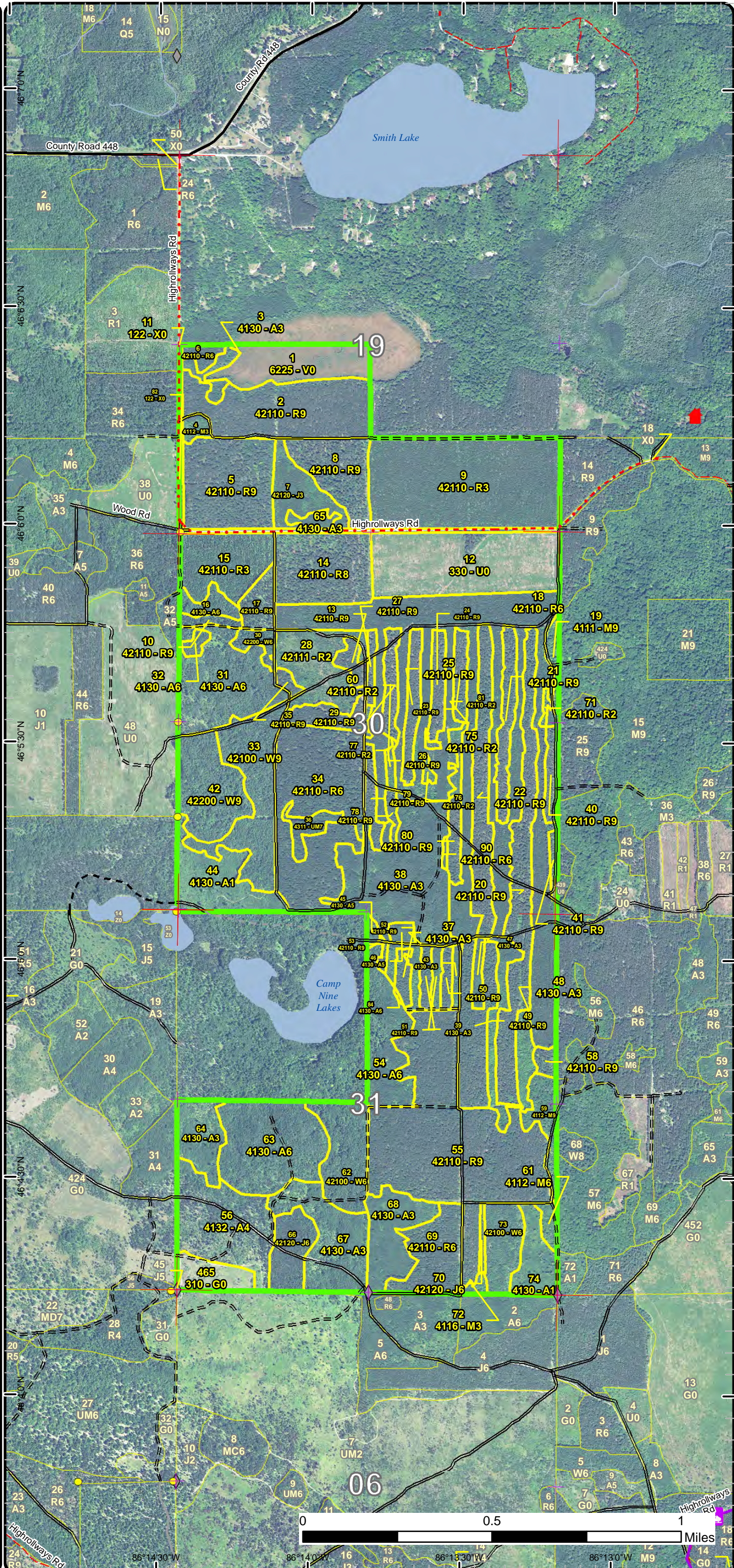


# Stand Boundary Map

Compartment: 60  
 T43N,R15W, Sec: 19, 30, 31  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Hiawatha Moraine  
 YOE: 2019  
 Acres: 1,370 GIS Calculated  
 Examiner: Tori Irving  
 Map Revised: 7/30/2018  
 Map Phase: Post Review



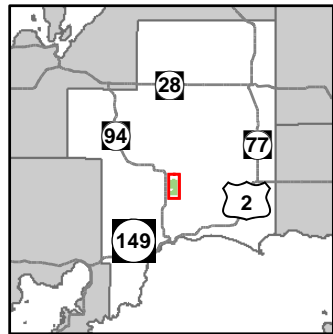
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
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- Lakes and Rivers All
- Cabin
- Structures
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
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- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub



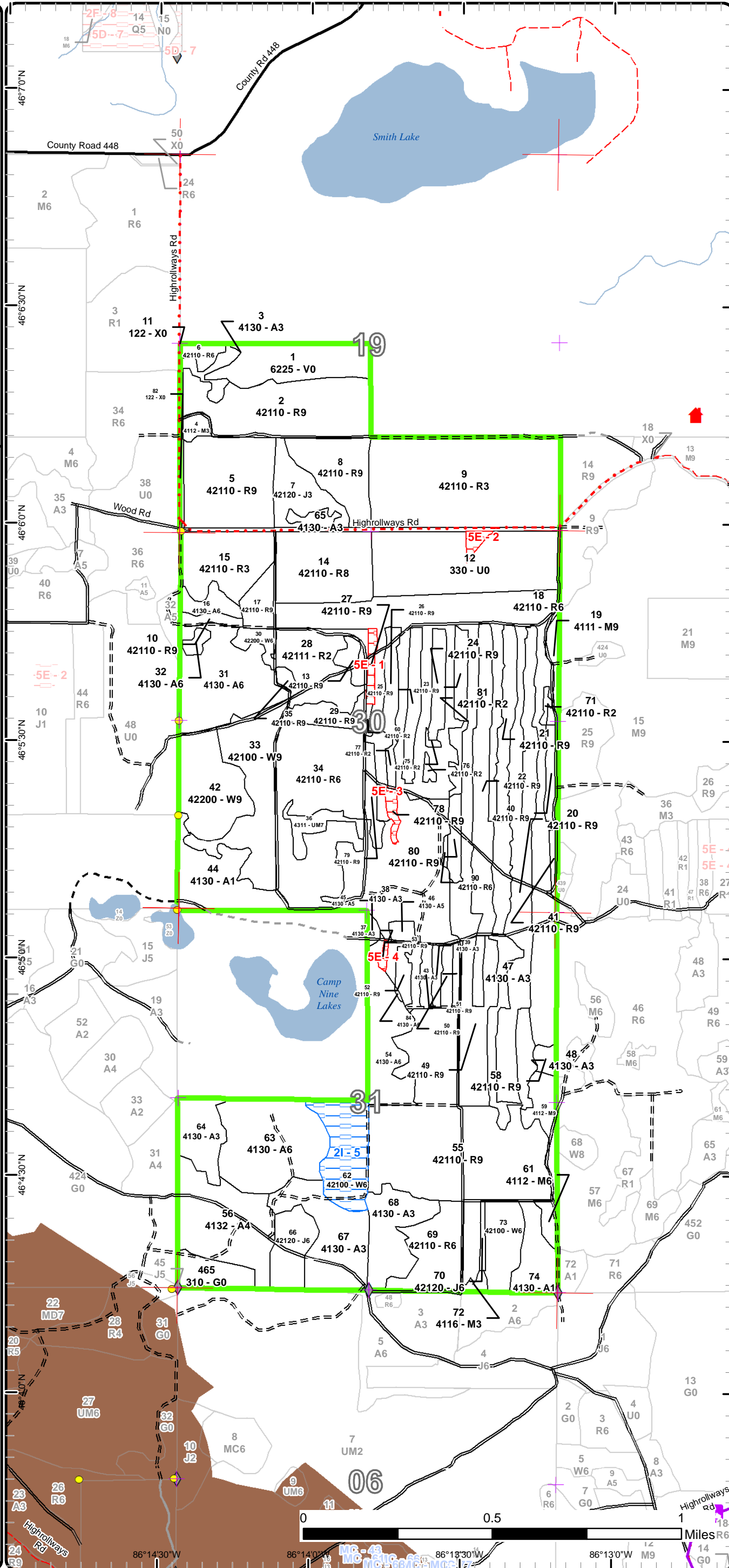


# Special Conservation Areas & Site Conditions Map

Compartment: 60  
 T43N,R15W, Sec: 19, 30, 31  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Hiawatha Moraine  
 YOE: 2019  
 Acres: 1,370 GIS Calculated  
 Examiner: Tori Irving  
 Map Revised: 7/30/2018  
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Cabin
- Structures
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	36	37	139	80	39	2	0	0	0	0	0	0	0	0	0	0	0	333
Bog	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Jack Pine	0	0	14	0	0	13	2	0	0	0	0	0	0	0	0	0	0	0	29
Low-Density Trees	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Northern Hardwood	0	0	0	5	0	0	0	0	3	0	0	0	0	0	0	0	0	14	22
Red Pine	0	0	133	153	0	0	196	301	0	0	0	0	0	0	0	0	0	0	783
Upland Mixed Forest	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
White Pine	0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	101
<b>Total</b>	<b>96</b>	<b>36</b>	<b>184</b>	<b>297</b>	<b>80</b>	<b>52</b>	<b>307</b>	<b>301</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>1370</b>



## Report 2 – Treatment Summary

Shingleton Mgt. Unit  
Year of Entry: 2019

Acres of Harvest

Compartment 60  
Total Compartment Acres: 1,370

Commercial Harvest - 496  
Harvests with Site Condition - 22  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	19	0	0	0	0	0	0	0	0	19
Northern Hardwood	0	13	0	0	0	0	0	0	0	13
Red Pine	196	0	0	0	0	234	0	0	0	430
White Pine	0	0	0	0	0	56	0	0	0	56
<b>Total</b>	<b>215</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>290</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>518</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	518	0	0	0	10	0	50	0	0	577
Next Step	0	294	205	0	38	205	492	0	0	1233
<b>Total</b>	<b>518</b>	<b>294</b>	<b>205</b>	<b>0</b>	<b>48</b>	<b>205</b>	<b>541</b>	<b>0</b>	<b>0</b>	<b>1810</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	41060002-Cut	44.2	42110 - Planted Red Pine	Sawtimber Well	67	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Thin stand to improve spacing for smaller diameter trees and to maximize diameter growth. Areas of this stand will have less than a residual BA  
Specs: of 120.

Next Step  
Treatments:

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

6	41060006-Cut	3.3	42110 - Planted Red Pine	Poletimber Well	57	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand to improve spacing for smaller diameter trees and to maximize diameter growth. Some areas of the stand will have a residual BA  
Specs: lower than 120.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

12	41060012-Monitor	49.6	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Herbicide Use	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription  
Specs:

Next Step Monitoring, Artificial Regen(3yr)  
Treatments:

Acceptable red pine  
Regen:

Other Percent to Treat = 100%  
Comment:

Proposed Start Date: 07/10/2017

13	41060013-Cut	4.2	42110 - Planted Red Pine	Sawtimber Well	58	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
14	41060014-Cut	30.6	42110 - Planted Red Pine	Sawtimber Medium	69	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Clearcut stand. Cut all live and dead trees down to two inches. No retention in stand due to future aerial herbicide application.

Specs:

Next Step Burn, Slash; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)  
Treatments:

Acceptable Red pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

17	41060017-Cut	7.6	42110 - Planted Red Pine	Sawtimber Well	69	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut stand. Cut all live and dead trees down to two inches. No retention in stand due to future aerial herbicide application.

Specs:

Next Step Burn, Slash; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)  
Treatments:

Acceptable Red pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

18	41060020-Cut	37.5	42110 - Planted Red Pine	Poetimber Well	23	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)  
Treatments:

Acceptable Red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

21	41060021-Cut	11.4	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
22	41060022-Cut	23.5	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Cut all trees. No retention within the stand due to follow-up planting operations. Stands 27, 53, and 78 will serve as long-term retention for the  
Specs: treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

23	41060023-Cut	5.5	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

24	41060024-Cut	6.7	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

25	41060025-Cut	8.3	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
26	41060026-Cut	6.8	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

29	41060029-Cut	7.8	42110 - Planted Red Pine	Sawtimber Well	58	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand to improve spacing for smaller diameter trees and to maximize diameter growth. Some areas of the stand will be lower than a residual  
Specs: of 120 BA.

Next Step  
Treatments:

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

33	41060033-Cut	34.5	42100 - Planted White Pine	Sawtimber Well	58	111- 140	Harvest	Systematic Thinning	4220 - Natural White Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut trees in every third row regardless of species.  
Specs:

Next Step  
Treatments:

Acceptable A mix of species currently found on site.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

34	41060034-Cut	58.4	42110 - Planted Red Pine	Poetimber Well	58	81-110	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand to improve spacing for smaller diameter trees and to maximize diameter growth. Areas of this stand will have less than a residual BA  
Specs: of 120.

Next Step  
Treatments:

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
35	41060035-Cut	1.9	42110 - Planted Red Pine	Sawtimber Well	58	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Cut all trees. No retention within the stand due to follow-up planting operations. Stands 27, 53, and 78 will serve as long-term retention for the  
Specs: treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

40	41060040-Cut	5.4	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve  
Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

41	41060041-Cut	2.2	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

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Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

47	41060047-Cut	3.3	4130 - Aspen	Sapling Well	25	Immatur re	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees, live or dead, regardless of merchantability. Prepare stand for conversion to red pine plantation.  
Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)  
Treatments:

Acceptable Red pine.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
48	41060048-Cut	15.5	4130 - Aspen	Sapling Well	25	Immature	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Cut all species in the stand regardless of merchantability and convert stand to a red pine plantation.

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

49	41060049-Cut	21.2	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve

Specs: as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Red pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

50	41060050-Cut	3.2	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees. Allow the stand to convert to aspen. There is too much aspen competition to manage these small strips as red pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of species currently found on site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

51	41060051-Cut	3.4	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees. Allow the stand to convert to aspen. There is too much aspen competition to manage these small strips as red pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of species currently found on site.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
52	41060052-Cut	3.5	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

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

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve as long-term retention for the treatments on the red pine strips.

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

Acceptable A mix of species currently found on site.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

55	41060055-Cut	99.7	42110 - Planted Red Pine	Sawtimber Well	58	111- 140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand to improve spacing for smaller diameter trees and to maximize diameter growth. Some areas of the stand will be lower than a residual of 120 BA.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

58	41060058-Cut	2.8	42110 - Planted Red Pine	Sawtimber Well	68	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

59	41060059-Cut	9.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	101	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mark the stand according to the guidelines in the Compleat Marker. In addition, create some canopy gaps to promote regeneration and also to release any advanced regeneration.

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

Acceptable A mix of species currently found on-site.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
61	41060061-Cut	3.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	73	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary

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

Prescription Mark the stand according to the guidelines in the Compleat Marker. In addition, create some canopy gaps to promote regeneration and also to release any advanced regeneration.

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

Acceptable A mix of species currently found on-site.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

62	41060062-Cut	21.8	42100 - Planted White Pine	Poletimber Well	58	111- 140	Harvest	Systematic Thinning	42200 - Natural White Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition: Survey Needed**

Prescription Cut all trees in every third row regardless of species.  
Specs:

Next Step  
Treatments:

Acceptable A mix of species currently found on-site.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

69	41060069-Cut	20.2	42110 - Planted Red Pine	Poletimber Well	59	111- 140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand to improve spacing for smaller diameter trees and to maximize diameter growth. Some areas of the stand will have a residual BA lower than 120.

Next Step  
Treatments:

Acceptable Red pine.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

79	41060079-Cut	5.2	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
80 41060080-Cut	5.0	42110 - Planted Red Pine	Sawtimber Well	68	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Cut all live and dead trees down to two inches. No retention within the stand due to follow-up planting operations. Stands 27, 53, & 78 will serve as long-term retention for the treatments on the red pine strips.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Regen: Red pine

Other Comment:

Proposed Start Date: 10/01/2018

465 41060465-Burn	9.9	310 - Herbaceous Openland	Nonstocked		Unspecified	Burn	Opening	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No**                      **Site Condition:**

Prescription Prescribed fire, farming (dozing, disking, raking, seeding(native or naturalized species only), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others. Work will be completed under FTP 1619 and 1620 which was approved at 2016 YOE compartment review.

Next Step Monitoring, Other - Specify  
Treatments:

Acceptable Regen:

Other Comment: Under FTP W41-1620.

Proposed Start Date: 10/01/2008

**Total Treatment Acreage Proposed: 577.1**



## Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 60

Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions	
Acres	Available	With Condition	Not Available	2I	5E
335	335	0	0	Aspen	
24	24	0	0	Bog	
10	10	0	0	Herbaceous Openland	
29	29	0	0	Jack Pine	
52	50	0	2	Low-Density Trees	2
21	21	0	0	Northern Hardwood	
782	776	0	6	Red Pine	6
6	6	0	0	Upland Mixed Forest	
10	10	0	0	Urban	
101	79	22	0	White Pine	22
1,370	1,341	22	8	Total Forested Acres	22 8
	98%	2%	1%	Relative Percent	

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Shingleton Mgt. Unit**  
**Tori Irving : Examiner**

**Compartment: 60**  
**Year of Entry: 2019**

4	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>2I: Survey needed</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42110 - Planted Red Pine	Sawtimber Well	44.2	67	111-140	Stand was cut as part of Camp 9 Pine Sale.
3	4130 - Aspen	Sapling Well	4.7	28	Immature	The stand was part of a red pine planting (stand 6) until it was species thinned in 1990. The stand is now Aspen with some residual pine especially along bog/marsh to the east.
4	4112 - Maple, Beech, Cherry Association	Sapling Well	3.0	26	Immature	The stand was a firewood sale cut in 1992 and is regenerating back to soft maple, black cherry, and aspen.
5	42110 - Planted Red Pine	Sawtimber Well	36.5	69	111-140	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 3, 37 acres. Residual BA = Red Pine 86 sq ft [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
6	42110 - Planted Red Pine	Poletimber Well	3.3	57	111-140	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 1, 3 acres. Residual BA = Red Pine 117 sq ft [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
7	42120 - Planted Jack Pine	Sapling Well	14.4	16	Immature	(8/15/05AP) Hand planted in 2002. 2005 regen counts showed 437 jack pine, 129 volunteers. No further release work needed. (12/28/05) FTP closed with a letter. Sale was Smith Lake Pine 45-99 and the closed FTP was C41-933. (3/22/11 AP) FTP W41-929 has been closed. Release work not needed anymore.
8	42110 - Planted Red Pine	Sawtimber Well	20.9	69	111-140	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 4, 21 acres. Residual BA = Red Pine 71 sq ft [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
9	42110 - Planted Red Pine	Sapling Well	76.9	16	Immature	(7-18-05 AP) Planted in 2002. 2005 Regen count results for red pine 658, 272 volunteers. FTP is being kept open for release work. (9/18/06AP) The site was released in September 2006 with Accord. FTP is being kept open to evaluate the effectiveness of application in summer 2007. (3/22/11 AP) FTP W41-929 has been closed. Release work not needed anymore.
10	42110 - Planted Red Pine	Sawtimber Well	2.9	69	111-140	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 6,3 acres. Residual BA = Red Pine 53 sq ft, [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011. Possibly treat stand next entry with the adjacent aspen stand and allow it to convert to aspen.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
13	42110 - Planted Red Pine	Sawtimber Well	4.2	58	111-140	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 7, 4 acres. [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
14	42110 - Planted Red Pine	Sawtimber Medium	30.6	69	81-110	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 5, 30 acres. [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
15	42110 - Planted Red Pine	Sapling Well	24.1	16	Immature	(7-18-05 AP) Planted in 2002. 2005 Regen count results red pine 658, 272 volunteers. FTP is being kept open for release work. (9/18/06AP) Site was released in September 2006 with Accord. FTP is being kept open to evaluate effectiveness of application in summer 2007. Glyphosate release did not work well on aspen, approximately 50% control. Site was sprayed with Velpar, spot release, and will continue to be monitored. Check effectiveness next year. (3/22/11 AP) FTP W41-929 has been closed. Release work not needed anymore.
16	4130 - Aspen	Poletimber Well	5.4	36	1-50	
17	42110 - Planted Red Pine	Sawtimber Well	7.6	69	51-80	[6/7/17] The stand is full of maple regeneration. [9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 6, 7 acres. [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
18	42110 - Planted Red Pine	Poletimber Well	152.5	23	111-140	Jack pine strips were removed in 1993, Goliath sale; they were replanted in 1994 and 1995, mostly machine planted. Stand was helicopter herbicided in 1996 with velpar.
19	4111 - S.Maple, Hard Mast Association	Sawtimber Well	3.7	181	81-110	
20	42110 - Planted Red Pine	Sawtimber Well	37.5	68	111-140	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 1, 36 acres. Residual Basal Area = red pine 120 sq ft[12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
21	42110 - Planted Red Pine	Sawtimber Well	11.4	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 2, 11 acres. Residual Basal Area = red pine 108 sq ft[12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
22	42110 - Planted Red Pine	Sawtimber Well	23.5	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 2, 23 acres. Residual Basal Area = red pine 112 sq ft[12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	42110 - Planted Red Pine	Sawtimber Well	5.5	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 5 acres. Residual Basal Area = red pine 96 sq ft [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
24	42110 - Planted Red Pine	Sawtimber Well	6.7	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 6 acres. Residual Basal Area = red pine 110 sq ft [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
25	42110 - Planted Red Pine	Sawtimber Well	8.4	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 8 acres. Residual Basal Area = red pine 115 sq ft [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
26	42110 - Planted Red Pine	Sawtimber Well	6.9	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 6 acres. Residual Basal Area = red pine 98 sq ft [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
27	42110 - Planted Red Pine	Sawtimber Well	2.8	68	111-140	Stand was part of a large plantation area consisting of red pine and jack pine strips approximately 3 chains wide or so. This strip is part of the residual red pine. Stand was thinned in 1993; Goliath Sale and again in 2001. St [9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
28	42111 - Planted Red Pine, Mixed Deciduous	Sapling Medium	24.0	16	Immature	OPIC - FMD: [8-27-02 BB] Stand was cut in the fall of 2001 and trenched, then it was planted in the spring of 2002. It's now waiting for regeneration results: red pine 520 No further release work needed. (12/28/05) FTP closed with a letter
29	42110 - Planted Red Pine	Sawtimber Well	7.8	58	81-110	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 7, 8 acres. Residual BA = Red Pine 103 sq ft, aspen 4 sq ft, white pine 4 sq ft  [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
30	42200 - Natural White Pine	Poletimber Well	4.4	58	81-110	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 7, 4 acres.  [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
31	4130 - Aspen	Poletimber Well	35.7	36	1-50	
32	4130 - Aspen	Poletimber Well	2.2	58	141-170	
33	42100 - Planted White Pine	Sawtimber Well	34.5	58	111-140	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	42110 - Planted Red Pine	Poletimber Well	58.4	58	81-110	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 12, 53 acres. Residual BA = Red Pine 100 sq ft, cherry 2 sq ft, white pine 8 sq ft  [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
35	42110 - Planted Red Pine	Sawtimber Well	1.9	58	111-140	[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 7, 2 acres. Residual BA = Red Pine 120 sq ft, cherry 10 sq ft  [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
36	4311 - Pine, Aspen Mix	Sawtimber Poor	6.4	58	81-110	
37	4130 - Aspen	Sapling Well	5.2	25	Immature	
38	4130 - Aspen	Sapling Well	52.8	24	Immature	
39	4130 - Aspen	Sapling Well	2.7	25	Immature	
40	42110 - Planted Red Pine	Sawtimber Well	5.4	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 1, 5 acres. Residual Basal Area = red pine 104 sq ft  [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
41	42110 - Planted Red Pine	Sawtimber Well	2.2	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 1, 2 acres. Residual Basal Area = red pine 97 sq ft  [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
42	42200 - Natural White Pine	Sawtimber Well	26.4	58	81-110	
43	4130 - Aspen	Sapling Well	2.3	25	Immature	
44	4130 - Aspen	Sapling Poor	23.7	7	Immature	(5/25/17) Stand has regenerated to aspen.  [9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 13, 22 acres. Residual BA = Red Pine 2 sq ft, white birch 2 sq ft, white pine 7 sq ft Retention patch along lake. [2-10-10 JS] A 2" spec was added to the sale and no FTP was submitted. I dropped the 4-1-1 cult codes here so this stand doesn't show up in a cult work query.  [7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011. Stand was a final harvest and is on the regen timeclock.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	4130 - Aspen	Poletimber Medium	1.5	39	51-80	
46	4130 - Aspen	Poletimber Medium	2.2	39	1-50	
47	4130 - Aspen	Sapling Well	3.2	25	Immature	
48	4130 - Aspen	Sapling Well	16.5	25	Immature	
49	42110 - Planted Red Pine	Sawtimber Well	21.2	68	81-110	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 21 acres. Residual Basal Area = red pine 112 sq ft[12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
50	42110 - Planted Red Pine	Sawtimber Well	3.1	68	81-110	This strip is part of the residual red pine. Stand was thinned in 1993; Goliath Sale and again in 2001.
51	42110 - Planted Red Pine	Sawtimber Well	3.4	68	81-110	This strip is part of the residual red pine. Stand was thinned in 1993; Goliath Sale and again in 2001.
52	42110 - Planted Red Pine	Sawtimber Well	3.4	68	81-110	
53	42110 - Planted Red Pine	Sawtimber Well	0.9	68	81-110	Stand was part of a large plantation area consisting of red pine and jack pine strips approximately 3 chains wide or so. This strip is part of the residual red pine. Stand was thinned in 1993; Goliath Sale and again in 2001.
54	4130 - Aspen	Poletimber Well	23.5	23	Immature	
55	42110 - Planted Red Pine	Sawtimber Well	99.7	58	111-140	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 5,6,7, 96 acres. [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
56	4132 - Aspen, Jack Pine	Poletimber Poor	35.4	39	1-50	
58	42110 - Planted Red Pine	Sawtimber Well	2.8	68	111-140	Stand was part of a large plantation area consisting of red pine and jack pine strips approximately 3 chains wide or so. This strip is part of the residual red pine. Stand was thinned in 1993; Goliath Sale and again in 2001. However, the loggers never cut this stand the second time so its all marked in yellow.  [9/28/09 BB] Stand is now on proposal, 41-008-09 High Rollways Pine, Unit 11, 2 acres. Residual Basal Area = red pine 120 sq ft[7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011.
59	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.8	101	111-140	Stand was thinned in the summer of 2000.



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42110 - Planted Red Pine	Sapling Medium	0.8	16	Immature	[8-27-02 BB] Stand was cut in the fall of 2001 and trenched, then it was planted in the spring of 2002. Its now waiting rgen counts and being held for release operations. (10-18-05 AP) 2005 Regen count results: red pine 520 No further release work needed. (12/28/05) FTP closed with a letter.
4112 - Maple, Beech, Cherry Association	Poletimber Well	3.2	73	81-110	
42100 - Planted White Pine	Poletimber Well	21.8	58	111-140	
4130 - Aspen	Poletimber Well	39.1	43	81-110	
4130 - Aspen	Sapling Well	14.0	17	Immature	
4130 - Aspen	Sapling Well	3.0	16	Immature	
42120 - Planted Jack Pine	Poletimber Well	13.3	47	51-80	
4130 - Aspen	Sapling Well	28.3	28	Immature	
4130 - Aspen	Sapling Well	20.3	17	Immature	Stand was cut winter 2001 and TSI'd summer 2001 Part of Wide Spread Aspen.
42110 - Planted Red Pine	Poletimber Well	20.2	59	111-140	[9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 8, 20 acres. [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
42120 - Planted Jack Pine	Poletimber Well	1.5	59	111-140	
42110 - Planted Red Pine	Sapling Medium	1.0	16	Immature	[8-27-02 BB] Stand was cut in the fall of 2001 and trenched, then it was planted in the spring of 2002. Its now waiting rgen counts and being held for release operations. (10-18-05 AP) 2005 Regen count results: red pine 520 No further release work needed. (12/28/05) FTP closed with a letter FTP C41-930
4116 - Mixed N. Hardwood - Aspen	Sapling Well	1.8	24	Immature	
42100 - Planted White Pine	Poletimber Well	13.8	58	111-140	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	4130 - Aspen	Sapling Poor	12.6	8	Immature	[616117] Stand is filling in nicely with aspen and red maple. Stand is filling in nicely with aspen [9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 9, 13 acres. Residual Basal Area = beech 3 sq ft, white pine 5 sq ft [2-10-10 JS] A 2" spec was added to the sale and no FTP was submitted. I dropped the 4-1-1 cult codes here so this stand doesn't show up in a cult work query. [12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed. TCR Date 12/6/2010)
75	42110 - Planted Red Pine	Sapling Medium	0.6	16	Immature	[8-27-02 BB] Stand was cut in the fall of 2001 and trenched, then it was planted in the spring of 2002. Its now waiting regen counts and being held for release operations. (10-18-05 AP) 2005 Regen count results: red pine 520 No further release work needed. (12/28/05) FTP closed with a letter FTP C41-930.
76	42110 - Planted Red Pine	Sapling Medium	1.0	16	Immature	[8-27-02 BB] Stand was cut in the fall of 2001 and trenched, then it was planted in the spring of 2002. (10-18-05 AP) 2005 Regen count results: red pine 520 No further release work needed. (12/28/05) FTP closed with a letter FTP C41-930
77	42110 - Planted Red Pine	Sapling Medium	1.7	16	Immature	[8-27-02 BB] Stand was cut in the fall of 2001 and trenched, then it was planted in the spring of 2002. Its now waiting regen counts and being held for release operations. (10-18-05 AP) 2005 Regen count results: red pine 520 No further release work needed. (12/28/05) FTP closed with a letter FTP C41-930.
78	42110 - Planted Red Pine	Sawtimber Well	2.2	68	81-110	OPIC - FMD: Stand was part of a large plantation area consisting of red pine and jack pine strips approximately 3 chains wide or so. This strip is part of the residual red pine. Stand was thinned in 1993; Goliath Sale and again in 2001.  [9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 2 acres. Residual Basal Area = red pine 100 sq ft[12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
79	42110 - Planted Red Pine	Sawtimber Well	5.2	68	81-110	Stand was thinned in 1993; Goliath Sale and again in 2001. Stand can use another thinning. Leave any other species that exist besides red pine for retention purposes. [9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 5 acres. Residual Basal Area = red pine 110 sq ft[12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.
80	42110 - Planted Red Pine	Sawtimber Well	5.0	68	111-140	Stand was part of a large plantation area consisting of red pine and jack pine strips approximately 3 chains wide or so. This strip is part of the residual red pine. Stand was thinned in 1993; Goliath Sale and again in 2001. [9/28/09 BB] Stand is now on proposal, 41-007-09 Goliath Again, Unit 3, 5 acres. Residual Basal Area = red pine 111 sq ft[12/13/2010 bb] Sale was cut in the summer 2010, sale is now closed.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>81</b>	42110 - Planted Red Pine	Sapling Medium	3.0	16	Immature	OPIC - FMD: STAND IS TOO SMALL TO MANAGE [8-27-02 BB] Stand was cut in the fall of 2001 and trenched, then it was planted in the spring of 2002. Its now waiting rgen counts and being held for release operations. (10-18-05 AP) 2005 Regen count results: red pine 520 No further release work needed. (12/28/05) FTP closed with a letter FTP C41-930 Habitat Type is PARVAa
<b>84</b>	4130 - Aspen	Poletimber Well	0.2	23	Immature	
<b>90</b>	42110 - Planted Red Pine	Poletimber Well	0.7	23	111-140	Jack pine strips were removed in 1993, Goliath sale; they were replanted in 1994 and 1995, mostly machine planted. Stand was helicopter herbicided in 1996 with velpar.





Stand	Cover Type	Acres	Managed Site	General Comments:
1	6225 - Bog	24.2	No	OPIC - FMD: Soils are Dawson, Greenwood and Loxley Peats.
11	122 - Road/Parking Lot	9.2	No	High Rollways County Road R-O-W.
12	330 - Low-Density Trees	51.9		<p>OPIC - FMD: Stand was planted to red pine and jack pine , in an every other row pattern. Unlike the other stands this one doesn't have enough red pine residual to just species thin the jack pine. Therefore, the stand is going to be final harvested and re-planted to red pine. The future stand will include jack pine volunteers that occur naturally within the new plantation. Retention should be patches where the red pine is thicker. Habitat Type is PArVAa.</p> <p>[9/29/09 BB] Stand is now on proposal 41-006-09-01 Camp 9 Pine, Unit 8 &amp; 9, 50 acres. 2 acre retention patch left along road. FTP C41-1441 submitted for planting red pine.</p> <p>[7/19/11 AP] Sale is now closed, TCR date is 7/18/11. Cut spring 2011. Stand is on the regen timeclock.</p> <p>(8/20/2012 AP). Stand was herbicide site prep sprayed by skidder with Garlon/Oust. (6/10/2013 AP): Stand was trenched and then planted in spring 2013. Regen check scheduled for 2014. 3rd year check was 520 red pine, 102 jack pine. Site was forwarded to TMS for planting. Planting never occurred and stand was placed back into monitoring status. (7/12/17) Stand was sprayed in 2017 with Velpar by skidder.</p>
82	122 - Road/Parking Lot	0.5	No	High Rollways County Road R-O-W.
465	310 - Herbaceous Openland	9.9	Yes	Burned in the Spring of 2000.