



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41135

Entry Year 2018

Acreage: 1,166

County Alger

Management Area: Pictured Rocks Buffer

Revision Date: 2016-08-31

Stand Examiner: Peter Holodnick

Legal Description:

T49N R16W Sections 1, 25 & 36

T48N R16W Section 2, 12

Identified Planning Goals:

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

Soil and topography:

The topography in this compartment is mainly flat with some areas of steep grades. The soil types are mainly poor Rubicon sands with heavy fire influence. The compartment is made up of the Kingston Outwash (Section 1), Pictured Rocks escarpment (Section 25 and north half of 36) and Munising Moraine II (Section 12 and south half of 36) LTA's.

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

Ownership within the compartment is somewhat fragmented with PRNL, private property and industry. East of the compartment is mainly State land, including Kingston Lake Campground with some private ownership. To the west is the PRNL and private property.

Unique Natural Features:

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

Archeological, Historical, and Cultural Features:

There are several old railroad grades that are in the compartment.

Special Management Designations or Considerations:

The entire compartment is in the PRNL buffer areas.

Watershed and Fisheries Considerations:

Fisheries Values: None

No permanent waterbodies are located in this compartment. Fisheries Division has no concerns at this time. Standard BMP's should be adhered to when working near any surface water.

Wildlife Habitat Considerations:

This compartment lies on the northwest corner of the Kingston Plains. The circa 1850 surveyors notes show the area forest at that time contained a heterogeneous mixture of white pine, hemlock, balsam fir, yellow birch, and beech. Sugar maple, white birch, and red maple were minor components of the forest. Mountain maple, mountain ash and yew contributed substantially to the understory. Logging and hot slash fires resulted in a very open landscape. Subsequent reforestation efforts using red pine has produced the current land cover pattern that is dominated by pine plantations interspersed with grassy openings. The wildlife habitat management goals for this compartment include increasing the availability of hard mast through the planting of oak, enhancing the hemlock component within the compartment, and encouraging structural and species diversity with the hardwood stands. This compartment lies within the Pictured Rocks Buffer Management Area and the featured species within this MA are American marten, Blackburnian warbler, northern goshawk, and pileated woodpecker.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and lacustrine (lake) sand & gravel. There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau and Munising Formations subcrop below the glacial drift. The Trempealeau could be used for stone and the Munising was used as a building stone in the past. Gravel pits are not located in this area, but there could be some potential. There is no commercial oil and gas production in the UP.

Vehicle Access:

Access to the compartment is fair for regular four wheel drive and some two wheel drive vehicles. However, because of the sand and slopes trucking traffic is very limited. Access to section 25 is fair from the east because of past timber sales. Section 12 can be accessed through private property to the south. The remainder of the area has very sandy trail roads with steep slopes in enough areas to make access very difficult.

Survey Needs:

SW corner of stand 52 or T48 R16W sec 12 NENWSW

Recreational Facilities and Opportunities:

The Kingston Lake Campground is easily accessed when getting to the compartment. H-58 is also the snowmobile trail and the Fox River Pathway is found in the northern part of section 25. Access roads to the west can also lead into the PRNL boundary and the opportunities that are found there.

Fire Protection:

Fire response to the area will be extended due the distance of the fire resources. The current road system would be difficult for fire operations because of the sandy soils and steep grades on the roads.

Additional Compartment Information:

None

The following reports from the Inventory are attached:

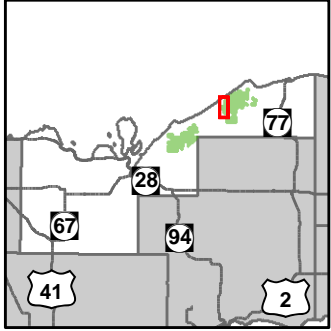
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

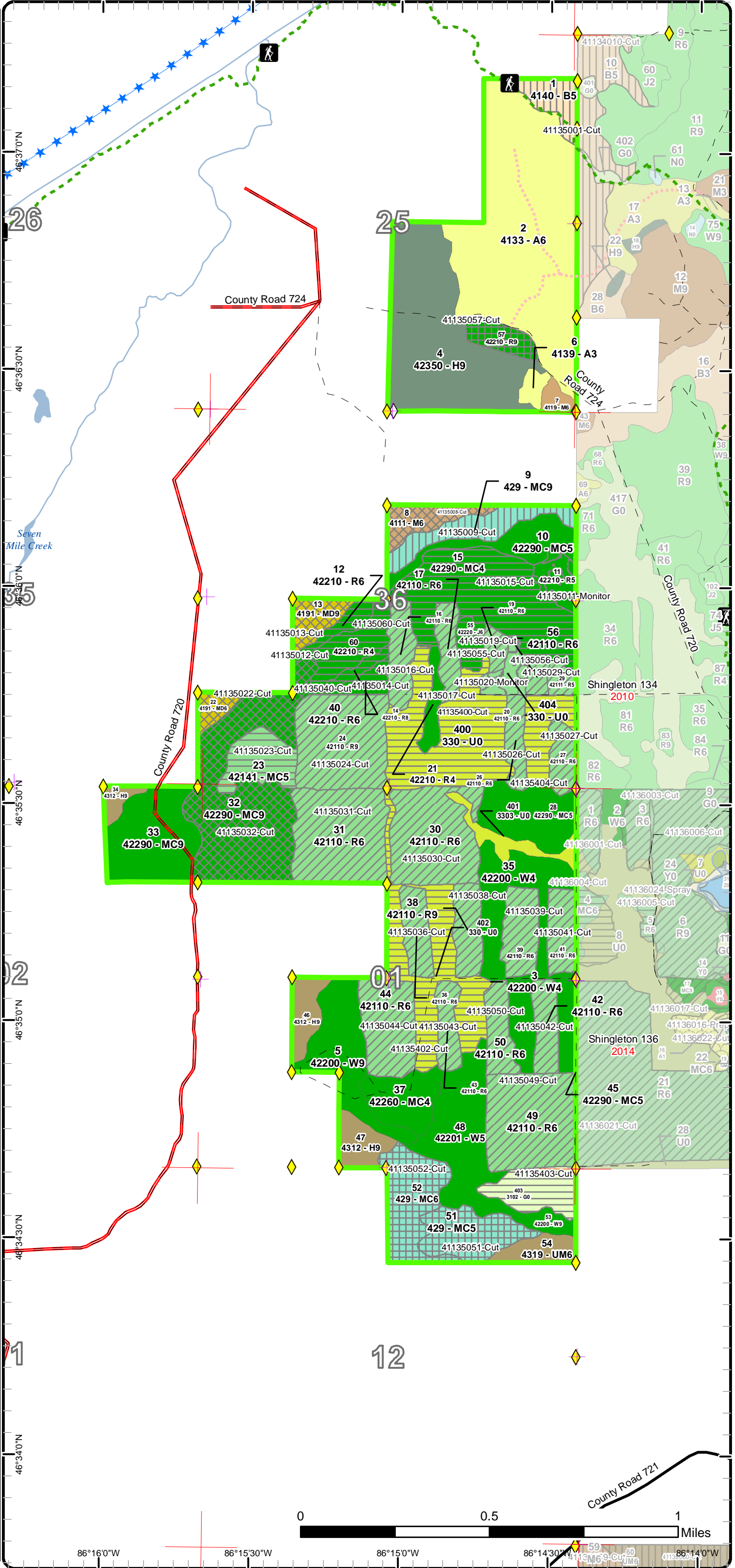
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 135
 T48N,R16W, Sec: 01, 02, 12
 T49N,R16W, Sec: 25, 35, 36
 County: Alger
 Unit: Shingleton
 Mgmt Area: Pictured Rocks Buffer
 YOE: 2018
 Acres: 1,166 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 12/6/2016
 Map Phase: Post Review



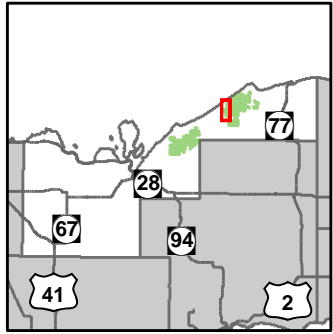
- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Hiking Trails
- ★ Designated Water Trails
- - - Designated Hiking Trails
- Paved Roads
- County Gravel Roads
- - - Poor Dirt Roads
- - - Closed Roads
- Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- Lakes



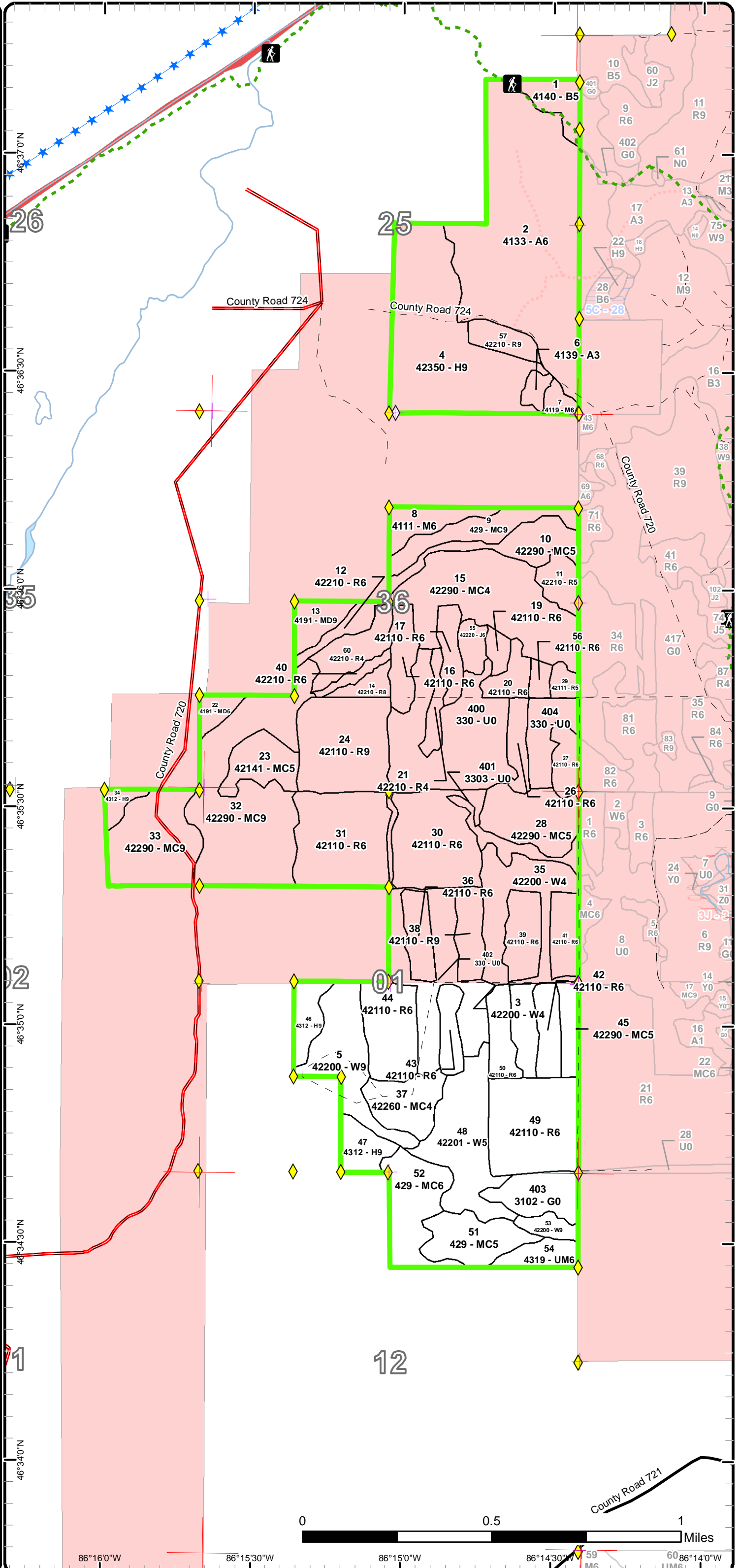
86°16'0"W 86°15'30"W 86°15'0"W 86°14'30"W 86°14'0"W

Special Conservation Areas & Site Conditions Map

Compartment: 135
 T48N,R16W, Sec: 01, 02, 12
 T49N,R16W, Sec: 25, 35, 36
 County: Alger
 Unit: Shingleton
 Mgmt Area: Pictured Rocks Buffer
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- Designated Hiking Trails
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Rivers
- Compartment Boundary
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- Contiguous Resource Area





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	4	0	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
Hemlock	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	24	100
Herbaceous Openland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Jack Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Low-Density Trees	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111
Mixed Upland Deciduous	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	9	14
Natural Mixed Pines	0	0	0	0	24	55	0	0	0	0	0	0	0	0	0	0	0	154	232
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
Paper Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Planted Mixed Pines	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	15
Red Pine	0	0	0	0	0	305	14	0	0	5	0	0	0	0	0	0	0	32	356
Upland Conifers	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	44	60
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
White Pine	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	63	100
Total	127	4	0	118	0	24	375	51	22	0	81	0	0	0	0	0	0	365	1165



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2018

Acres of Harvest

Compartment 135
Total Compartment Acres: 1,166

Commercial Harvest - 682
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Herbaceous Openland	16	0	0	0	0	0	0	0	0	16
Jack Pine	6	0	0	0	0	0	0	0	0	6
Low-Density Trees	103	0	0	0	0	0	0	0	0	103
Mixed Upland Deciduous	0	14	0	0	0	0	0	0	0	14
Natural Mixed Pines	55	69	0	0	0	0	0	0	0	124
Northern Hardwood	0	11	0	0	0	0	0	0	0	11
Paper Birch	0	0	0	0	10	0	0	0	0	10
Planted Mixed Pines	15	0	0	0	0	0	0	0	0	15
Red Pine	29	0	0	8	0	286	0	0	0	323
Upland Conifers	0	0	0	44	17	0	0	0	0	61
Total	223	94	0	53	27	286	0	0	0	682

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	682	0	0	0	0	16	0	0	0	698
Next Step	0	105	135	0	99	99	470	0	0	908
Total	682	105	135	0	99	99	487	0	0	1606



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	41135001-Cut	10.2	4140 - Other Upland Deciduous	Poletimber Medium	61	1-50	Harvest	Shelterwood with Retention	4193 - Birch, Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Remove all trees except Oak and White pine. Fox River Pathway: Work away from the trail, piling slash within 20 ft of the trail to create a linear slash											
<u>Specs:</u> pile along the trail, or exclude the pathway from harvest.											
<u>Next Step</u> Planting, Initial Plant											
<u>Treatments:</u>											
<u>Acceptable</u> Birch, Aspen, White pine, Oak											
<u>Regen:</u>											
<u>Other</u> Plant oak and or birch after harvest.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
8	41135008-Cut	10.7	4111 - S.Maple, Hard Mast Association	Poletimber Well	76	141-170	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Mark to 80 BA. Mark any trees that have poor form or deformities. Cut All Beech due to Beech Bark disease. Mark one or two bear clawed or big											
<u>Specs:</u> wolfy beech trees as leave trees. No cut on Hemlock and Red Oak. Plant Red Oak in large canopy gaps.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventary); Planting, Underplant											
<u>Treatments:</u>											
<u>Acceptable</u> Any overstory species.											
<u>Regen:</u>											
<u>Other</u> Access for this stand is through stand 9 to the south. Cut with stand 9. Survey corners are in and there is old private paint still present.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
9	41135009-Cut	16.5	429 - Mixed Upland Conifers	Sawtimber Well	72	81-110	Harvest	Shelterwood with Retention	429 - Mixed Upland Conifers	Uneven-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees except Red Pine, White Pine, Oak and Hemlock. This should help release the Red Oak seedlings into the overstory. Red Pine and											
<u>Specs:</u> White Pine will be marked to 50-60BA.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventary)											
<u>Treatments:</u>											
<u>Acceptable</u> Any species in the over story											
<u>Regen:</u>											
<u>Other</u> This stand is on a south facing slope with lots of natural oak regeneration. cut with stand 8.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
11	41135011-Monitor	8.5	42210 - Natural Red Pine	Poletimber Medium	58	81-110	Monitoring	Natural Regen (Intermediate)	42210 - Natural Red Pine	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> monitor according to work instructions											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Red pine											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
12	41135012-Cut	6.2	42210 - Natural Red Pine	Poetimber Well	61	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear cut no retention. No retention because it is too small. No cut on Hemlock and oak

Specs:

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

Acceptable red pine

Regen:

Other cut with units 60,40, and 14. Once harvested combine into one unit.

Comment:

Proposed Start Date: 10/01/2017

13	41135013-Cut	9.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	75	111-140	Harvest	Single Tree Selection	4191 - Mixed Upland Deciduous with Conifer	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark to 80 BA. Mark Poor Form Trees and deformities. Cut All Beech and Paper Birch. Where there is heavy pockets of Beech and Paper Birch the Basal area will drop well below the 80 BA. Keep some big White Pine for seed. Mark one or two bear clawed or big wolfy beech trees as leave trees. No cut on Hemlock and Oak. Plant Red Oak in large canopy gaps.

Specs:

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

Treatments:

Acceptable Any species

Regen:

Other Access is through stand 12. All survey corners are in.

Comment:

Proposed Start Date: 10/01/2017

14	41135014-Cut	5.3	42210 - Natural Red Pine	Sawtimber Medium	99	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut with no retention. No retention due to small size. Trench and plant Red Pine.

Specs:

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

Acceptable Red Pine

Regen:

Other Clear cut trench and plant with stands 40, 60, and 12. Once harvested combine all three stands into one.

Comment:

Proposed Start Date: 10/01/2017

15	41135015-Cut	55.3	42290 - Natural Mixed Pine	Poetimber Poor	55	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear Cut with retention. Leave 3-5% retention try to find a pocket of large diameter pine. No Cut Hemlock and Oak.

Specs:

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

Acceptable Red Pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
16	41135016-Cut	11.3	42110 - Planted Red Pine	Poletimber Well	58	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Third row thin. It is more important to focus your row thinning's on the over mature red pine rows then it is to mark every third row. There are several rows with 16-18" red pine in them. Mark White Pine and red maple only for operability. Avoid cutting Hemlock and Oak.

Specs:Next StepTreatments:Acceptable Red PineRegen:OtherComment:Proposed Start Date: 10/01/2017

17	41135017-Cut	8.8	42110 - Planted Red Pine	Poletimber Well	58	111- 140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Third row thin. It is more important to focus your row on the larger diameter red pine rows then it is too mark every third row. There are many rows with 16"-18" Red Pine in them. Mark White Pine and Jack Pine for operability. Avoid cutting on Hemlock and Oak.

Specs:Next StepTreatments:Acceptable Red PineRegen:OtherComment:Proposed Start Date: 10/01/2017

19	41135019-Cut	4.0	42110 - Planted Red Pine	Poletimber Well	58	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin every third row. Where species other than Red Pine are present thin for operability. Avoid cutting on Hemlock and Oak.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2017

20	41135020- Monitor	7.6	42110 - Planted Red Pine	Poletimber Well	61	51-80	Monitoring	Natural Regen (Re-Inventory)	42210 - Natural Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription monitor according to work instructions

Specs:Next StepTreatments:Acceptable Red pineRegen:Other Percent to Treat = 100%Comment:Proposed Start Date: 10/01/2016

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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
22 41135022-Cut	5.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	75	111-140	Harvest	Single Tree Selection	4199 - Other Mixed Upland Deciduous	Uneven-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mark to 80 BA. Mark trees with poor form and deformities. Cut all Paper Birch and Beech. In areas that have high Paper Birch and Beech the BA will drop below the 80 BA. Mark one or two bear clawed or big wolfy beech trees as leave trees. No cut on hemlock and Oak. Plant Red Oak in large canopy gaps.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable All Over story species

Regen:

Other The south east line this stand has some slope.

Comment:

Proposed Start Date: 10/01/2017

23 41135023-Cut	14.7	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Medium	58	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut no retention. No retention due to small size.

Specs:

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

Treatments:

Acceptable Red Pine

Regen:

Other Cut with stand 32

Comment:

Proposed Start Date: 10/01/2017

24 41135024-Cut	38.2	42110 - Planted Red Pine	Sawtimber Well	54	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Mark species other than Red Pine for operability. Avoid cutting on Hemlock and Oak

Specs:

Next Step

Treatments:

Acceptable Red Pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

26 41135026-Cut	7.9	42110 - Planted Red Pine	Poletimber Well	58	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin every third row. Where other than red pine is present thin for operability. Avoid cutting on Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable Red Pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
27	41135027-Cut	8.0	42110 - Planted Red Pine	Poletimber Well	58	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where species other than red pine is present thin for operability. Avoid cutting on Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

29	41135029-Cut	3.9	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Medium	58	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where species other than Red Pine is present thin for operability. There are no conventional rows you will have to make your

Specs: own. Avoid cutting on Hemlock and Oak.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

30	41135030-Cut	36.6	42110 - Planted Red Pine	Poletimber Well	54	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where species other than Red Pine is present thin for operability. Avoid cutting on Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

31	41135031-Cut	39.4	42110 - Planted Red Pine	Poletimber Well	54	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where species other than Red Pine is present thin for operability. Avoid cutting on Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
32	41135032-Cut	68.7	42290 - Natural Mixed Pine	Sawtimber Well	84	111- 140	Harvest	Single Tree Selection	429 - Mixed Upland Conifers	Uneven- Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Thin to 80 BA. Mark trees with poor form and deformities. Designate all Balsam Fir, Aspen, Maple and Spruce to be cut. Mark a tree length gap around any oak to help release it into the canopy. The stand is patchy so there will be some walk through areas when marking. No cut Hemlock and Oak.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: All species that are in the over story

Other Comment: The northeast corner of the stand has several oak trees in it. The South East corner has most of the over mature Spruce and Fir

Proposed Start Date: 10/01/2017

36	41135036-Cut	10.4	42110 - Planted Red Pine	Poletimber Well	54	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where there is species other than red pine thin for operability. Avoid cutting on Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

38	41135038-Cut	11.3	42110 - Planted Red Pine	Sawtimber Well	59	111- 140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin every third row. Where there are species other than Red Pine thin for operability. Avoid cutting Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

39	41135039-Cut	13.4	42110 - Planted Red Pine	Poletimber Well	57	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin every third row. Where species other than Red Pine are present thin for operability. Avoid cutting Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
40	41135040-Cut	3.5	42210 - Natural Red Pine	Poletimber Well	61	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription clear cut and no retention because of small size. Trench and plant Red Pine. No cut hemlock and Oak

Specs:

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

Acceptable Red Pine

Regen:

Other cut with stands 14 and 60. Once harvested combine them into one unit.

Comment:

Proposed Start Date: 10/01/2017

41	41135041-Cut	10.8	42110 - Planted Red Pine	Poletimber Well	57	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where species other than red pine is present thin for operability. Avoid cutting Hemlock and Oak.

Specs:

Next Step
Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

42	41135042-Cut	10.0	42110 - Planted Red Pine	Poletimber Well	59	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut Every third row. Where species other then red pine is present thin for operability. Avoid cutting on Hemlock and Oak

Specs:

Next Step
Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

43	41135043-Cut	8.4	42110 - Planted Red Pine	Poletimber Well	59	111- 140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where species other than Red Pine thin for operability. Avoid cutting Hemlock and Oak.

Specs:

Next Step
Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
44	41135044-Cut	22.6	42110 - Planted Red Pine	Poletimber Well	58	141-170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription 2nd entry Red Pine Thinning. Mark to a BA of 120. Mark trees that are forked, have poor form and deformities. Avoid cutting Hemlock and Oak.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

49	41135049-Cut	38.3	42110 - Planted Red Pine	Poletimber Well	54	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. Where species other than Red Pine are available mark for operability. Avoid cutting Hemlock and oak.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

50	41135050-Cut	10.3	42110 - Planted Red Pine	Poletimber Well	59	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut every third row. For species other than Red Pine thin for operability. Avoid cutting on Hemlock and Oak.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

51	41135051-Cut	19.4	429 - Mixed Upland Conifers	Poletimber Medium	65	81-110	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark to 20 or 30 BA. Leave all Oak. In areas where there is not 30 BA of Hemlock mark White Pine and Red Pine to leave preferably large diameter trees. Hemlock may be cut for operability. Use green paint to protect patches of hemlock.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable All overstory species
Regen:

Other survey corners are in. Set this up with stands 52 and 54.
Comment:

Proposed Start Date: 10/01/2017



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	41135052-Cut	25.0	429 - Mixed Upland Conifers	Poletimber Well	80	111- 140	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Uneven- Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mark to 20 or 30 BA. Leave all Oak. In areas where there is not 30 BA of Hemlock mark White Pine and Red Pine to leave preferably large diameter trees. Hemlock may be cut for operability. Use green paint to protect patches of hemlock.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable All overstory species

Regen:

Other The wood will need to come out through stand 48. SW corner of this stand needs to be surveyed.

Comment:

Proposed Start Date: 10/01/2017

55	41135055-Cut	5.8	42220 - Natural Jack Pine	Poletimber Well	53	171- 200	Harvest	Clearcut	4222 - Natural Jack Pine	Two-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut and scarify to promote jack pine regeneration. No retention needed due to small acreage. No cut on Hemlock and Oak.

Specs:

Next Step SitePrep, Scarification; Monitoring, Artificial Regen(1yr); Planting, Interplant

Treatments:

Acceptable Jack Pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

56	41135056-Cut	3.4	42110 - Planted Red Pine	Poletimber Well	58	111- 140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin every third row. Where species other than Red Pine are present thin for operability. Avoid cutting on Hemlock and Oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

57	41135057-Cut	8.3	42210 - Natural Red Pine	Sawtimber Well	86	111- 140	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark to 20 or 30 BA. Leave all Hemlock and Oak. In areas where there is not 30 BA of Hemlock mark White Pine and Red Pine to leave preferably large diameter trees.

Specs:

Next Step ; ; ; ; Monitoring, Artificial Regen(1yr)

Treatments:

Acceptable Mixed upland conifer

Regen:

Other Cut with Stand 1 and adjacent compartment 134

Comment:

Proposed Start Date: 10/01/2019

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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
60 41135060-Cut	14.0	42210 - Natural Red Pine	Poletimber Poor	66	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear cut with retention. Leave 3-5% retention. Trench and plant to Red Pine.

Specs:

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

Acceptable red pine

Regen:

Other cut with stands 14 and 40. Once harvested combine into one stand.

Comment:

Proposed Start Date: 10/01/2017

400 41135400-Cut	52.7	330 - Low-Density Trees	Nonstocked		Unspec ified	Harvest	Clearcut	31022 - Warm Season Grass		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut and no retention. There is no retention because we are trying to open up these grassy openings from the trees that are coming in.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable None

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

402 41135402-Cut	36.9	330 - Low-Density Trees	Nonstocked		Unspec ified	Harvest	Clearcut	31022 - Warm Season Grass		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut and no retention. There is no retention because we are trying to open up these grassy openings from the trees that are coming in.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable None

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

403 41135403-Cut	15.7	3102 - Grass	Nonstocked		Unspec ified	Harvest	Clearcut	3102 - Grass		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut and no retention. There is no retention because we are trying to open up these grassy openings from the trees that are coming in.

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable No regeneration

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
404	41135404-Cut	13.2	330 - Low-Density Trees	Nonstocked		Unspecified	Harvest	Clearcut	3102 - Grass		Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription Clear cut and no retention. There is no retention because we are trying to open up these grassy openings from the trees that are coming in.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable None
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 709.4**

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

Mgt. Unit

Compartment:

Year of Entry



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
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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4140 - Other Upland Deciduous	Poletimber Medium	10.2	61	1-50	Fox River Pathway is on the south boundary. There is also erosion possibilities because of the slope. There is no real regeneration of any kind. The birch is starting to dye out. The access is through stand 1. Cut birch with other birch stands in adjacent compartment 24
2	4133 - Aspen, Mixed Pine	Poletimber Well	117.6	21	81-110	There was a birch seed tree left from previous sale. Cut under TS # 017-95. Lots of aspen coming up. Wait and cut when the aspen is mature.
3	42200 - Natural White Pine	Poletimber Poor	0.0	45	1-50	Old opening filling in with aspen, jack pine, white pine, some black spruce, red maple and red pine. JP, SI = 1966 = 52, from last inventory.
4	42350 - Upland Hemlock	Sawtimber Well	75.8	93	81-110	Cut under TS # 017-95, 1988 YOE. Hemlock looks healthy. White pine residual also looks good. Regeneration of aspen, maple, fir, red and white pine 1-10' tall. Hemlock seedlings are present but were probably already there before the cut. Good hemlock regen.
5	42200 - Natural White Pine	Sawtimber Well	28.6	71	51-80	TCR dtd 11/21/11 for Full moon pine. Needs more basal area to cut again.
6	4139 - Aspen, Mixed Deciduous	Sapling Well	3.6	5	Immature	North half was cut under TS # 017-95. There was oak planted into this stand. There is no birch regeneration from the seed tree cut there is however good oak regeneration. [11-04-10] Stand is now under contract TS# 41-033-09-01 Full Moon Pine. See FTP W41-1444 (oak underplanting.) [12/01/11] Sale is now closed/completed TCR dtd 11/21/11.
7	4119 - Mixed Northern Hardwoods	Poletimber Well	3.7	76	51-80	[12/01/11] Sale is now closed/completed TCR dtd 11/21/11.
8	4111 - S.Maple, Hard Mast Association	Poletimber Well	10.7	76	141-170	Beech has scale but is not too far gone. Access is through unit 9.
9	429 - Mixed Upland Conifers	Sawtimber Well	16.5	72	81-110	Stand is located on a south facing slope. Oak is mainly on the slope, the entire length of the stand. Some of the pine may need to be cut for operating. Most of the red pine was planted. There are no records so guessing that it was done with the other plantations. Aspen and Birch is over mature and starting to fall apart.
10	42290 - Natural Mixed Pine	Poletimber Medium	16.9	67	51-80	Some areas look as if they were planted, no records, so guessing same time as other plantations. There are patches of natural jack pine, red pine or white pine filling in on their own. wait till the aspen jack pine and paper birch get a little bigger and fill in before cutting.
11	42210 - Natural Red Pine	Poletimber Medium	8.5	58	81-110	[8/3/11 bb] Stand is now on proposal 004-10-01 Musky Pine Sale, Unit 1, actual acres 9. Residual BA = red pine 65', oak 1'. 8/27/15: TCR



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
12	42210 - Natural Red Pine	Poletimber Well	6.2	61	1-50	[8/3/11 bb] Stand is now on proposal 004-10-01 Musky Pine Sale, Unit 3, actual acres 5. Residual BA = red pine 32', white pine 16'. 8/27/15: TCR
13	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	9.0	75	111-140	OPIC - FMD: LEAVE OAK. Red pine was planted up the slope ('58?) and up into some of the stand. There are scattered large red pine. There are also some hemlock and red maple in the stand. Thinned once back in '48. Beech and birch are starting to dye off.
14	42210 - Natural Red Pine	Sawtimber Medium	5.3	99	1-50	[8/3/11 bb] Stand is now on proposal 004-10-01 Musky Pine Sale, Unit 3, actual acres 3. Residual BA = red pine 30', white pine 3.3' FTP C41-1465 submitted for scarification. 8/27/15: TCR FTP is open. 2015 this stand was cut.
15	42290 - Natural Mixed Pine	Poletimber Poor	55.4	55	1-50	Aspen, Red Maple, White Pine, Jack Pine and Red pine are creeping into the grassy opening.
16	42110 - Planted Red Pine	Poletimber Well	11.3	58	141-170	Planted in 1958.
17	42110 - Planted Red Pine	Poletimber Well	8.8	58	111-140	PLANTED SPRING 1958. Scattered large jack pine. It look as though there multiple age classes of plantation.
19	42110 - Planted Red Pine	Poletimber Well	4.0	58	81-110	OPIC - FMD: PORTION OF STAND PLANTED IN THE FALL, 1959.
20	42110 - Planted Red Pine	Poletimber Well	7.6	61	51-80	004-10-01 Musky Pine Sale, Unit 1, actual acres 11. Residual BA = red pine 61', white pine 7'8/27/15: TCR
21	42210 - Natural Red Pine	Poletimber Poor	6.0	61	51-80	[8/3/11 bb] Stand is now on proposal 004-10-01 Musky Pine Sale, Unit 2, actual acres 5. Residual BA = red pine 78' 8/27/15: TCR. The trees are starting to get to the 16" mark. do a final harvest in 10 years.
22	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.2	75	111-140	20-25% slope makes up 1/2 the stand. There is more hardwood in the NW corner. Scattered white pine and red maple logs- fair quality. The birch is mature and should be cut before it is too far gone. The beech has scale and needs to be cut.
23	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Medium	14.7	58	1-50	It is is a failed plantation and should be planted with stand 60, 14, and 40.
24	42110 - Planted Red Pine	Sawtimber Well	38.2	54	141-170	PLANTED FALL 1962. NW END HAS SMALLER RP. S. END CONTAINS RIDGE OF MAPLE, ASPEN, AND BIRCH.
26	42110 - Planted Red Pine	Poletimber Well	7.9	58	111-140	PLANTED SPRING 1958. Some red pine are almost 12" with a small sawlog in them. Scattered red maple on the edges. Long term planning: Stand will be maintained as grass after final harvest.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	42110 - Planted Red Pine	Poletimber Well	8.0	58	111-140	PLANTED SPRING 1958. Terrain rolling.
28	42290 - Natural Mixed Pine	Poletimber Medium	23.8	42	51-80	CONTAINS PATCH OF JACK PINE WHICH EXTENDS INTO GRASS TYPE. Opening that has been slowly filling in. Trees that are filling in look healthy. Residual wp, rp, rm overtopping good A4 understory. Wait till the aspen gets more mature before
29	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Medium	3.9	58	81-110	Stand was planted in '58, but not replanted in '59 like stand 19. Red Pine is 12" bushy and two sticks tall. Its not a very dense plantation.
30	42110 - Planted Red Pine	Poletimber Well	36.6	54	141-170	OPIC - FMD: PLANTED FALL 1962. Stand has self pruned.
31	42110 - Planted Red Pine	Poletimber Well	39.4	54	111-140	OPIC - FMD: PLANTED FALL 1962. N. END HAS RIDGE OF ASPEN, BIRCH, MAPLE. Rolling terrain. Trees have self pruned.
32	42290 - Natural Mixed Pine	Sawtimber Well	68.7	84	111-140	This is a patchy natural white pine stand with various size classes. Many of the WP trees are pushing 18" and the spruce and fir is over mature. Most of the Spruce/Fir mix is in the SE corner of the stand.
33	42290 - Natural Mixed Pine	Sawtimber Well	33.8	86	51-80	understory [12/01/11] Sale is now closed/completed TCR dtd 11/21/11. Needs some time for the Pine to grow into the gaps and get bigger.
34	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	4.1	91	141-170	OPIC - FMD: The young yb, hemlock and white pine are healthy. Scattered large white pine, healthy. Leave beech alone as they die out it will slowly open the stand and release the understory hemlock, yellow birch and white pine. This stand is hard to get to because of steep slopes. Good hemlock regeneration.
35	42200 - Natural White Pine	Poletimber Poor	29.1	45	1-50	Old opening filling in with aspen, jack pine, white pine, some black spruce, red maple and red pine. JP, SI = 1966 = 52, from last inventory.
36	42110 - Planted Red Pine	Poletimber Well	10.4	54	141-170	PLANTED FALL 1962.
37	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	16.8	67	1-50	Old open area filling in with scattered large, open grown, white pine. There are also aspen, maple filling in, slowly. Its not yet ready to cut.
38	42110 - Planted Red Pine	Sawtimber Well	11.3	59	111-140	OPIC - FMD: PLANTED SPRING 1958. This stand has self pruned.
39	42110 - Planted Red Pine	Poletimber Well	13.4	57	141-170	OPIC - FMD: PLANTED SPRING '58 and replant in 1959. Stand has self thinned.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	42210 - Natural Red Pine	Poletimber Well	3.5	61	51-80	[8/3/11 bb] Stand is now on proposal 004-10-01 Musky Pine Sale, Unit 3, actual acres 6. Residual BA = red pine 52', white pine 1.4'8/27/15: TCR
41	42110 - Planted Red Pine	Poletimber Well	10.8	57	141-170	OPIC - FMD: PLANTED SPRING '58 and replant in 1959. Thin every third row.
42	42110 - Planted Red Pine	Poletimber Well	10.0	59	141-170	OPIC - FMD: PLANTED SPRING 1958. Red Pine has self thinned nicely.
43	42110 - Planted Red Pine	Poletimber Well	8.4	59	111-140	OPIC - FMD: PLANTED SPRING 1958. Stand has self thinned.
44	42110 - Planted Red Pine	Poletimber Well	22.6	58	141-170	OPIC - FMD: E. HALF OF STAND PLANTED SPRING 1958; W. HALF OF STAND PLANTED FALL 1959. [11-04-10] Stand is now under contract TS# 41-033-09-01 Full Moon Pine. Residual BA: red pine = 105 sq.ft./acre. [12/01/11] Sale is now closed/completed TCR dtd 11/21/11. Basal area is around 160 it is due for a second entry thinning. Red pine is around 5 sticks tall some of the nicer red pine out in this area.
45	42290 - Natural Mixed Pine	Poletimber Medium	17.5	45	1-50	Old opening filling in with aspen, jack pine, white pine, some black spruce, red maple and red pine. JP, SI = 1966 = 52, from last inventory. wait for it to fill in a little bit more and then cut it.
46	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	9.4	65	141-170	Hemlock is of very large diameter- healthy looking. White is the same. The understory is made up of maple, white birch, yellow birch, beech and fir 2-5' tall. Aspen is dead or almost dead. There are scattered large black spruce. The NW corner of the stand has more hardwood. Leave stand until the understory is merchantable then thin to promote more hemlock, white pine and yellow birch in the understory.
47	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	10.0	70	51-80	GOOD HEMLOCK REPRODUCTION IN PLACES. [11-04-10] Stand is now under contract TS# 41-033-09-01 Full Moon Pine. Residual BA: paper birch = 49; red maple = 18; balsam fir = 2; yellow birch = 2; beech = 21; total = 92 sq.ft./acre. 2011: sale was cut and it Needs more time to grow
48	42201 - Natural White Pine, Mixed Deciduous	Poletimber Medium	37.1	62	1-50	Stand has poor quality aspen. Stand also has scattered red maple, clumps of small fir and scattered oak. Trees overall, are of poor quality. Wait till the WP gets of age and fills in more to cut.
49	42110 - Planted Red Pine	Poletimber Well	38.3	54	111-140	PLANTED FALL 1962. Stand is doing well in comparison to the other plantations. The trees in some places hit 3 sticks and have self prune. Scattered white pine, red maple, black spruce and aspen.
50	42110 - Planted Red Pine	Poletimber Well	10.3	59	141-170	OPIC - FMD: PLANTED SPRING 1958.
51	429 - Mixed Upland Conifers	Poletimber Medium	19.4	65	81-110	CUT IN 1976. The area is a frost pocket that is filling in with white pine, aspen, fir and black spruce on the edges. White pine is branchy.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	429 - Mixed Upland Conifers	Poletimber Well	25.0	80	111-140	OPIC - FMD: Area on the West side was thinned in '75 coming back with hemlock, white pine, yellow and white birch, 1 -30'tall. The east side has more of the BA and a good slope into the old frost pocket.
53	42200 - Natural White Pine	Sawtimber Well	5.3	91	141-170	Rolling terrain. Area can be thinned with surrounding stands. Logs are of fair quality. Some hemlock present. Cut when stand 48 is ready to be put up.
54	4319 - Mixed Upland Forest	Poletimber Well	8.9	75	111-140	Stand is a good mix of everything. Trees starting to get some height. Thinned in '75 Rolling terrain, scattered white pine and hemlock logs. There is still a lot of advanced regeneration. Wait until some of the advanced regeneration gets more merchantable.
55	42220 - Natural Jack Pine	Poletimber Well	5.8	53	171-200	OPIC - FMD: Healthy stand - 2 aged- larger jack pine are helping to seed in surrounding areas. stand is over mature.
56	42110 - Planted Red Pine	Poletimber Well	3.5	58	111-140	PLANTED SPRING 1958. Again in '59 N. HALF OF PLANTATION FAILED.
57	42210 - Natural Red Pine	Sawtimber Well	8.3	86	111-140	[12/01/11] Sale is now closed/completed TCR dtd 11/21/11. All species are over mature. Red and White pine are around 18 and 6 sticks tall.
60	42210 - Natural Red Pine	Poletimber Poor	14.0	66	1-50	CONTAINS SCATTERED TIMBER; SOME IS MERCHANTABLE.



Stand	Cover Type	Acres	Managed Site	General Comments:
400	330 - Low-Density Trees	52.7		Frost pocket area. Some aspen and red maple filling in and scattered red pine.
401	3303 - Mixed Low Density Trees	8.1	No	Aspen, Red Maple, White Pine, Jack Pine and Red pine are creeping into the grassy opening. Treat with stands 28 and 35.
402	330 - Low-Density Trees	36.9	No	Aspen, Red Maple, White Pine, Jack Pine and Red pine are creeping into the grassy opening.
403	3102 - Grass	15.7	No	Aspen, Red Maple, White Pine, Jack Pine and Red pine are creeping into the grassy opening.
404	330 - Low-Density Trees	13.4	No	Aspen, Red Maple, White Pine are creeping into the grassy opening.