



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41083

Entry Year 2017

Acreage: 1,964

County Schoolcraft

Management Area: Garden Thompson Plains

Revision Date: 2015-08-12

Stand Examiner: Tori Irving

Legal Description:

T41N,R17W, Sections 24, 25 & 36

Identified Planning Goals:

The goals in this compartment include conducting multiple resource management for current and future generations. Forest health, recreation, wildlife and timber management are some of the key management components within this compartment.

Soil and topography:

In general, the soils are very well drained sandy soils as well as some organic soils along Dufour Creek and the Cedar Types. The terrain in the area is flat to rolling. The major soil type is Rubicon sand. Other types include: Carbondale, Lupton, and Tawas soils, and AuGres-Deford Complex.

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

Ownership within the compartment is an entirely contiguous block of State land. The compartment is bisected by two Gas Pipelines, several Power lines and the Wisconsin Central Railroad. Illegal Dumping is a problem throughout the entire compartment.

Unique Natural Features:

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

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

There are several large blocks of grass that are maintained through prescribed fire to keep the areas open in nature for several wildlife species.

Watershed and Fisheries Considerations:

Dufour Creek is found in this compartment and is classified as cold-water. Past fishery surveys have documented both brook and brown trout in this system. BMP's should be followed as protection from increased sand bedload is a priority.

Wildlife Habitat Considerations:

This compartment is located on the eastern edge of the Thompson plains. The majority of the compartment is upland sandy plains. The original surveyor's notes indicate that the pre-settlement land cover consisted primarily of white pine, red pine, hemlock, and yellow birch. Sugar maple, red maple, beech, and oak were also recorded in the uplands. Lowlands contained cedar and spruce. Current vegetation is substantially different from pre-settlement conditions. Grassy openings aspen, and pine (red and jack) now dominate the uplands. Lowlands appear to have similar species composition as the circa 1850 forest. Featured species in this compartment are woodcock, ruffed grouse, white-tailed deer, and turkey. Wildlife habitat objectives consist primarily of maintaining the grassy openings, promoting oak and aspen, and providing age class diversity between conifer stands.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel. The glacial drift thickness varies between 10 and 50 feet. The Silurian Manistique Group subcrops below the glacial drift. The Manistique could be used for stone. A gravel pit is located less than one mile to the south, and there appears to be potential within the compartment. A dimension stone quarry is located three miles to the northwest. There is no commercial oil and gas production in the UP, but a new location was staked five miles to the northeast.

Vehicle Access:

Vehicle access within the compartment is excellent. There are numerous roads within the compartment including US-2 and two other county maintained roads. However, there is only one crossing for the Wisconsin Central Railroad within the

Thompson Plains and it is located within the compartment. Illegal Dumping is a problem throughout the entire compartment.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There is a snowmobile trail that runs through the compartment on the north end in section 23. The compartment is also heavily used by hunters, ORV enthusiasts and berry pickers.

Fire Protection:

Fire response times to the area will be excellent since it is so close to the Thompson Office. The pine fuel types within the compartment are part of a Zone dispatch area which essentially includes a heightened number of responding Units due to its volatile fuel conditions during times of high fire danger.

Additional Compartment Information:

The following reports from the Inventory are attached:

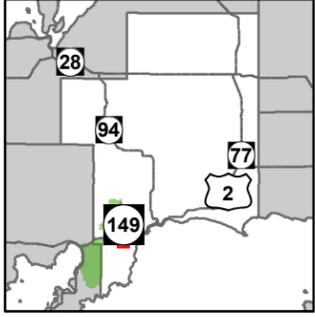
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

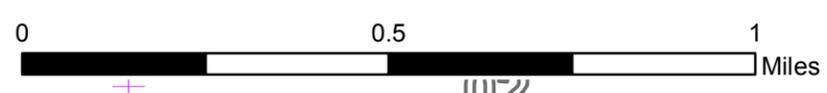
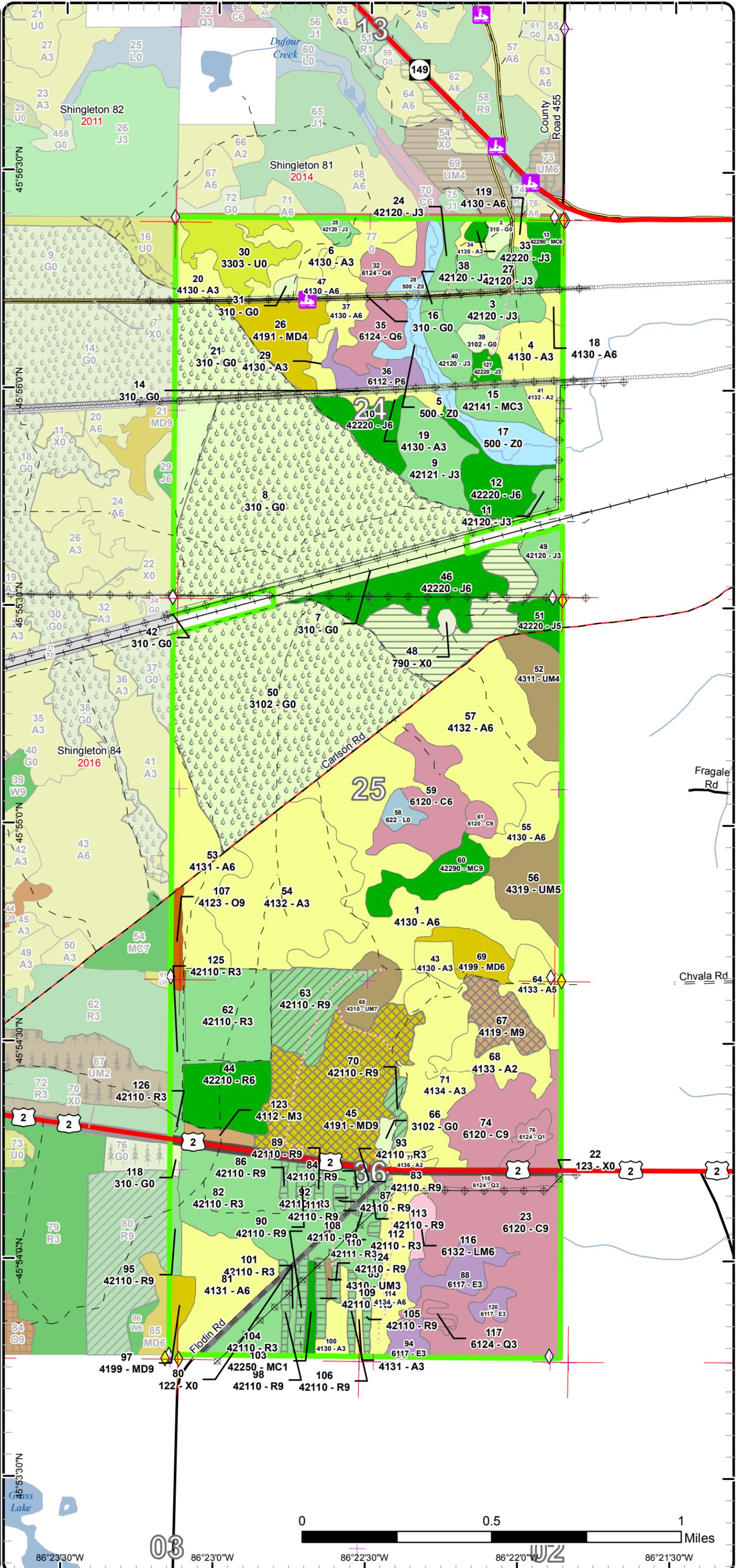
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

Compartment: 83
 T41N,R17W, Sec: 24, 25, 36
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area:
 Garden Thompson Plains
 YOE: 2017
 Acres: 1964 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 8/25/2015
 Map Phase: Review



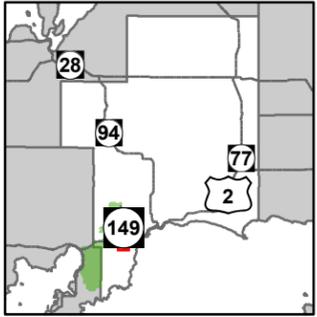
- ✚ Remonumented Section Corner
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Closed Roads
- Culverts
- ⚡ Snowmobile Trails
- Railroads
- Rivers
- Lakes
- Pipeline
- ⊕ Powerline
- Treatments**
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Prescribed Burn
- ▨ Thinning (Crown, Low, Systematic)
- Forest Coverture**
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Fores
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Coverture**
- 122 - Roads/Parking Lot
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated



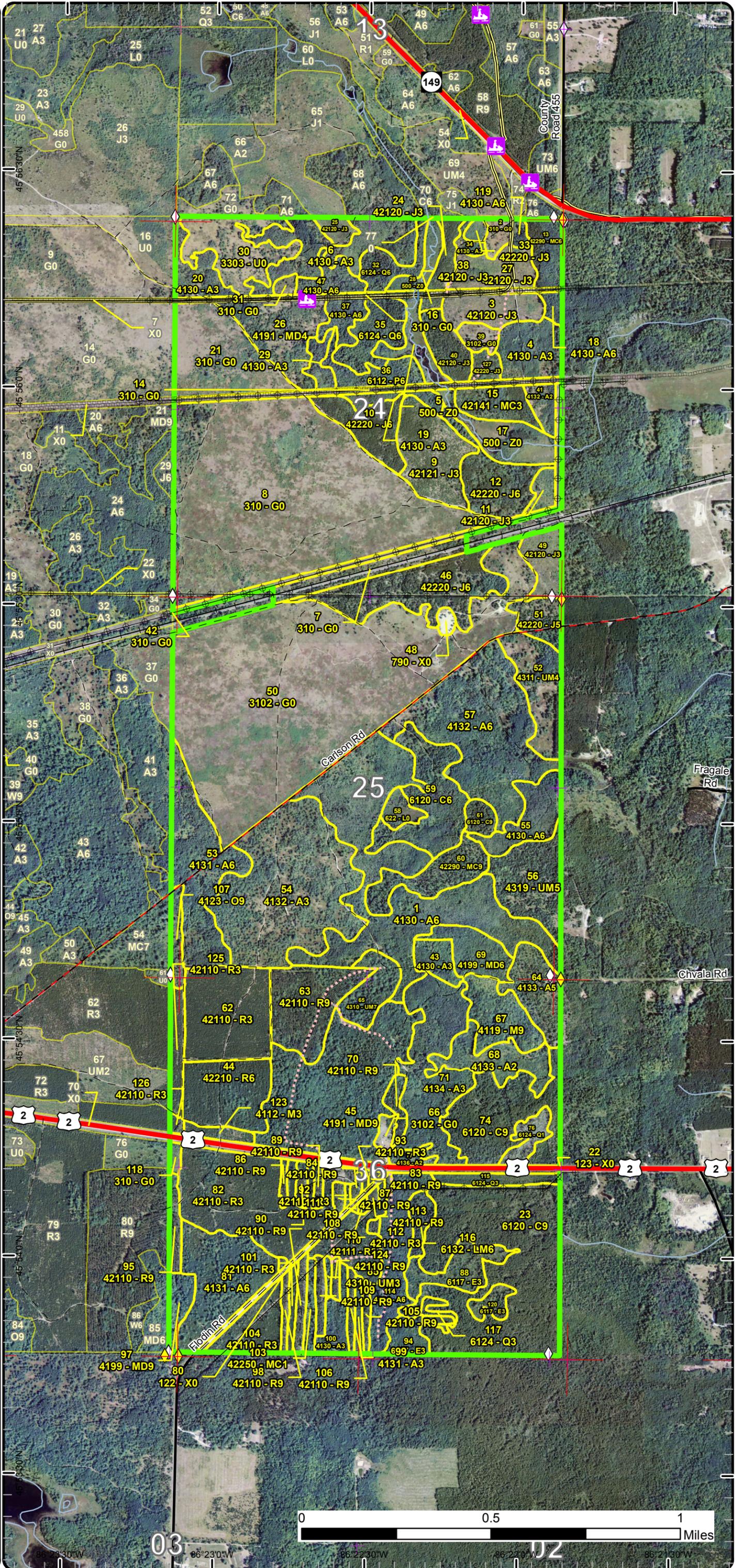
03 86°23'30"W 86°23'0"W 86°22'30"W 86°22'0"W 86°21'30"W

Stand Boundary Map

Compartment: 83
 T41N,R17W, Sec: 24, 25, 36
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area:
 Garden Thompson Plains
 YOE: 2017
 Acres: 1964 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 8/25/2015
 Map Phase: Review

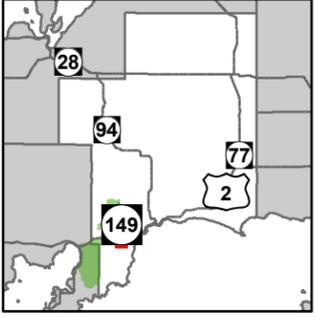


- ✚ Remonumented Section Corner
 - ◆ Survey Grade GPS Corners
 - ◇ Field Grade GPS Corners
 - Miris Corners
 - Highway
 - Paved Roads
 - Gravel Roads
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 - County Poor Dirt Roads
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 - Stand Boundaries
- Forest Covertype**
- 411 - Northern Hardwood
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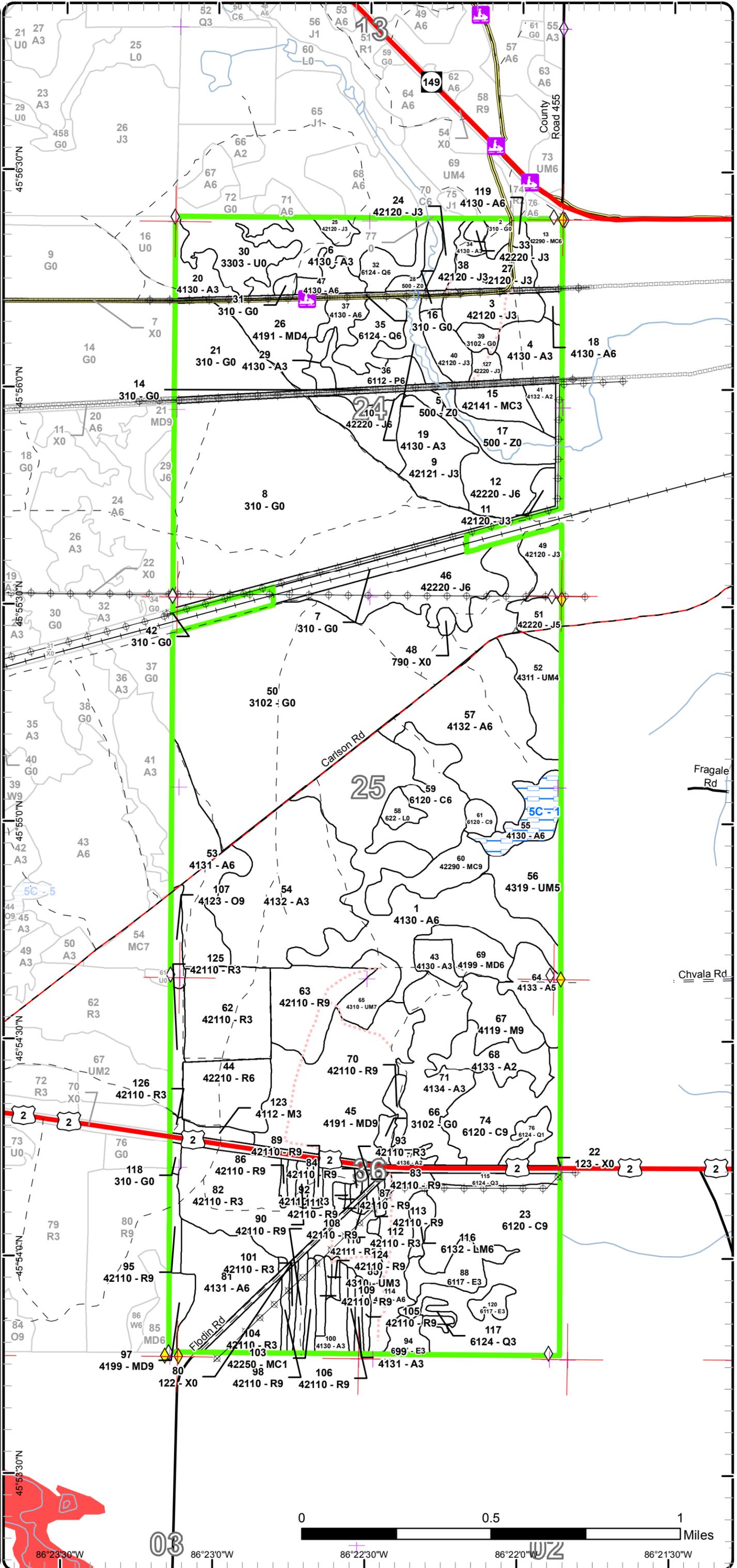


Special Conservation Areas & Site Conditions Map

Compartment: 83
 T41N,R17W, Sec: 24, 25, 36
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area:
 Garden Thompson Plains
 YOE: 2017
 Acres: 1964 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 8/25/2015
 Map Phase: Review



- Remonumented Section Corner
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- Closed Roads
- Culverts
- Snowmobile Trails
- Railroads
- Rivers
- Pipeline
- Powerline
- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Special Conservation Areas
- Ecological Reference Areas
- Cold Water Streams



Report 1 – Total Acres by Cover Type and Age Class

Shingleton Mgt. Unit
Tori Irving : Examiner

Compartment 83 Year of Entry 2017



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	20	79	307	0	92	15	0	0	0	0	0	0	0	0	0	0	16	529
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	0	120	156
Herbaceous Openland	486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	486
Jack Pine	0	47	46	25	54	0	0	0	0	0	0	0	0	0	0	0	0	0	172
Low-Density Trees	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Lowland Conifers	0	0	6	7	0	2	0	0	0	0	0	0	0	0	0	0	0	23	38
Lowland Deciduous	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Mixed Forest	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Lowland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	13	0	24	0	0	0	0	0	0	0	0	0	0	0	77	114
Natural Mixed Pines	0	0	4	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	31
Northern Hardwood	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	21
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
Planted Mixed Pines	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Red Pine	0	0	156	1	0	0	31	5	29	0	0	0	0	0	0	0	0	0	222
Upland Mixed Forest	0	0	1	0	0	0	24	0	0	0	0	0	0	0	0	0	0	33	58
Urban	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Water	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Total	569	67	307	376	54	118	97	10	29	0	0	0	0	36	0	0	0	301	1964



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 83
Total Compartment Acres: 1,964

Commercial Harvest - 187
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	39	0	0	0	0	0	0	0	0	39
Mixed Upland Deciduous	0	71	0	0	0	0	0	0	0	71
Northern Hardwood	0	17	0	0	0	0	0	0	0	17
Red Pine	29	0	0	0	0	31	0	0	0	59
Total	68	88	0	0	0	31	0	0	0	187

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	187	0	0	0	371	0	0	0	0	558
Next Step	0	68	68	0	371	68	224	0	0	798
Total	187	68	68	0	742	68	224	0	0	1356



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
8	41083008- Burn	163.8	310 - Herbaceous Openland	Nonstocked		Unspec ified	Burn	Opening	310 - Herbaceous Openland		Proposal

Habitat Cut: Yes**Site Condition:**

Prescription Burn stand for opening maintenance.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

21	41083021- Burn	34.5	310 - Herbaceous Openland	Nonstocked		Unspec ified	Burn	Opening	310 - Herbaceous Openland		Proposal
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Habitat Cut: Yes**Site Condition:**

Prescription Burn stand for opening maintenance.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

45	41083045-Cut	71.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	87	51-80	Harvest	Group Selection	4122 - Oak, Pine	Uneven- Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark the stand to create some large canopy gaps (approximately 2.5 times the height of the dominant tree in the gap or larger) in areas that have higher oak densities. Within the gaps, all trees must be cut, regardless of merchantability. Paths may need to be cut for maneuverability and to gain access to the gaps.

Next Step

Treatments:

Acceptable A mix of current canopy species throughout the stand and a larger oak component in the canopy gaps.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

50	41083050- Burn	172.7	3102 - Grass	Nonstocked		Unspec ified	Burn	Opening	310 - Herbaceous Openland		Proposal
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Habitat Cut: Yes**Site Condition:**

Prescription Burn stand for opening maintenance.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



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
50	41083050-Cut	39.4	3102 - Grass	Nonstocked		Unspec ified	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Commercially harvest the stand to remove the overstory. Include the 2" spec in the timber sale contract. No retention in the stand due to conversion. Regenerate red pine utilizing the following methods: herbicide, Rx burn, trenching, and planting.

Specs:

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

Treatments:

Acceptable Red pine

Regen:

Other Possibly use ORV fund to pay for the project. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

63	41083063-Cut	27.0	42110 - Planted Red Pine	Sawtimber Well	52	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to 120 basal area. Do not cut any oak or hemlock.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

67	41083067-Cut	17.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	70	81-110	Harvest	Group Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to 80 BA and according to the Compleat Marker. Create canopy gaps for maple regeneration. Cut all beech unless there is evidence of bear activity. Do not cut any hemlock or oak.

Specs:

Next Step

Treatments:

Acceptable Mixed northern hardwood

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

70	41083070-Cut	3.9	42110 - Planted Red Pine	Sawtimber Well	50	111- 140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to 120 BA. Do not cut any hemlock or oak.

Specs:

Next Step

Treatments:

Acceptable Red pine

Regen:

Other There is some advanced oak regeneration within these red pine strips that should be protected if possible. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



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
86	41083083-Cut	0.3	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016

86	41083084-Cut	1.1	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016

86	41083086-Cut	1.4	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016

86	41083087-Cut	1.7	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /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
86 41083089-Cut	1.8	42110 - Planted Red Pine	Sawtimber Well	72	141-170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016

86 41083090-Cut	2.2	42110 - Planted Red Pine	Sawtimber Well	72	141-170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016

86 41083098-Cut	2.6	42110 - Planted Red Pine	Sawtimber Well	72	141-170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016

86 41083098-Cutx	0.4	42110 - Planted Red Pine	Sawtimber Well	72	141-170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016



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
86	41083105-Cut	2.4	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

86	41083106-Cut	2.8	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

86	41083108-Cut	4.3	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

86	41083109-Cut	3.5	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other . Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



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
86	41083111-Cut	0.2	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

86	41083113-Cut	0.9	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

86	41083113-Cut 2	0.8	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

86	41083113-Cut 3	0.6	42110 - Planted Red Pine	Sawtimber Well	72	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Red pine

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /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
86 41083124-Cut	1.6	42110 - Planted Red Pine	Sawtimber Well	72	141-170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Final harvest stand. No retention due to planned planting/herbicide operations following harvest.

Specs:

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

Acceptable Regen: Red pine

Other Comment:

Old next step comments:

Proposed Start Date: 10/1 /2016

Total Treatment Acreage Proposed: 557.8

Dominant Site Conditions
 5C

Aspen	15
Bare/Sparsely Vegetated	
Cedar	
Herbaceous Openland	
Jack Pine	
Low-Density Trees	
Lowland Aspen/Balsam Poplar	
Lowland Conifers	
Lowland Deciduous	
Lowland Mixed Forest	
Lowland Shrub	
Mixed Upland Deciduous	
Natural Mixed Pines	
Northern Hardwood	
Oak	
Planted Mixed Pines	
Red Pine	
Upland Mixed Forest	
Urban	
Water	
Total Forested Acres	15
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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Poletimber Well	91.6	45	Unspecified	
3	42120 - Planted Jack Pine	Sapling Well	13.4	6	Immature	This stand was affected by a windstorm in 1997. It was cut as part of Sale # 41-018-07 Trashy Pine and was cut in the spring of 2008. TCR Date 5/20/2008. Stand was treated under FTP C41-1338 for jack pine regeneration. The stand was planted in the fall of 2008 and planted in 2009. The 2010 regeneration check results had 846 jack pine, 27 other conifer. Another regeneration check was scheduled for 2012. On 9/13/2010, the stand was sprayed with Accord at a rate of 1.5 quarts per acre by helicopter. The 2012 regeneration check was passed and the FTP was closed.
4	4130 - Aspen	Sapling Well	15.9	17	Immature	Stand was cut in 1998 as part of the Dufour Creek Sale
6	4130 - Aspen	Sapling Well	28.0	25	Immature	The stand was cut as part of Pipeline Block Sale #41-004-88. The sale was cut in 1989-1990. Some areas of jack pine are regenerating within the stand. The eastern side of the stand is lower.
9	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	25.2	17	Immature	Stand was cut in 1998. There are some aspen patches scattered through the stand.
10	42220 - Natural Jack Pine	Poletimber Well	15.6	25	Immature	
11	42120 - Planted Jack Pine	Sapling Well	4.2	6	Immature	Stand was hit hard by the windstorm in 1997. Stand was put on proposal 41-018-07 Trashy Pine. The sale was cut in the spring of 2008. TCR date is 5/20/2008. Stand was planted in 2009. The 2010 regeneration results were 846 jack pine and 27 other conifers. The stand passed the 2012 regeneration checks and the FTP is now closed.
12	42220 - Natural Jack Pine	Poletimber Well	19.7	37	Unspecified	
13	42290 - Natural Mixed Pine	Poletimber Well	9.6	50	81-110	
15	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	11.0	17	Immature	Stand was scarified in 1998 as part of C41-856.
18	4130 - Aspen	Poletimber Well	2.6	25	Immature	
19	4130 - Aspen	Sapling Well	5.0	25	Immature	
20	4130 - Aspen	Sapling Well	10.2	26	Immature	
23	6120 - Lowland Cedar	Sawtimber Well	87.3	129	201+	This is a nice stand of cedar. There are some scattered pockets of blow down.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	42120 - Planted Jack Pine	Sapling Well	6.1	17	Immature	
25	42120 - Planted Jack Pine	Sapling Well	3.7	5	Immature	Stand was cut as part of Trashy Pine Sale #41-018-07. Stand was cut in the spring of 2008. Stand was trenched and planted under FTP C41-1338. The 2010 regeneration check had 846 jack pine, 27 other conifer. The stand was sprayed with Accord at a rate of 1.5 quarts per acre by helicopter. Stand passed the 2012 regeneration check and FTP C41-1338 is closed.
26	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	23.7	45	1-50	
27	42120 - Planted Jack Pine	Sapling Well	13.6	5	Immature	Stand was cut as part of Trashy Pine Sale #41-018-07. Stand was cut in the spring of 2008. Stand was trenched and planted under FTP C41-1338. The 2010 regeneration check had 846 jack pine, 27 other conifer. The stand was sprayed with Accord at a rate of 1.5 quarts per acre by helicopter. Stand passed the 2012 regeneration check and FTP C41-1338 is closed.
29	4130 - Aspen	Sapling Well	4.7	10	Immature	
32	6124 - Lowland Spruce-Fir	Poletimber Well	9.1	125	Unspecified	
33	42220 - Natural Jack Pine	Sapling Well	1.9	7	Immature	Stand was cut as part of Trashy Pine Sale #41-018-17. TCR date 5/20/2008. TSI done under FTP W41-1339 with completion date of 9/11/2008.
34	4130 - Aspen	Sapling Well	2.5	17	Immature	
35	6124 - Lowland Spruce-Fir	Poletimber Well	14.4	125	Unspecified	
36	6112 - Lowland Aspen	Poletimber Well	10.1	17	Immature	Stand is the transition area between upland and a lowland stand and the Dufour Creek.
37	4130 - Aspen	Poletimber Well	6.8	25	Immature	
38	42120 - Planted Jack Pine	Sapling Well	1.4	14	Immature	Stand was planted in the spring of 2001.
40	42120 - Planted Jack Pine	Sapling Well	10.0	17	Immature	
41	4132 - Aspen, Jack Pine	Sapling Medium	5.2	17	Immature	
43	4130 - Aspen	Sapling Well	6.7	17	Immature	Stand was salvaged in 1998.

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Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 83
Year of Entry: 2017

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44 42210 - Natural Red Pine	Poletimber Well	25.7	18	Immature	
45 4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	71.0	87	51-80	
46 42220 - Natural Jack Pine	Poletimber Well	34.4	36	Unspecified	
47 4130 - Aspen	Poletimber Well	7.5	25	Immature	
49 42120 - Planted Jack Pine	Sapling Well	10.3	7	Immature	In 1997, the stand was damaged by a windstorm and was harvested in 1998. The stand was harvested as part of Trashy Pine Sale #41-018-07 and cut in the spring of 2008. Planting occurred in the spring of 2009 under FTP C41-1338 (jack pine regeneration). The 2010 regeneration check results were 846 jack pine and 27 other conifers. Stand passes 2012 regeneration check and the FTP is now closed.
51 42220 - Natural Jack Pine	Poletimber Medium	8.7	26	Immature	
52 4311 - Pine, Aspen Mix	Poletimber Poor	20.9	20	Immature	Stand was a grass opening and is not filling in with aspen and jack pine. In 2010, the stand was planted with Malus coronaria (native sweet crabapple) and Viburnum americanum (highbush cranberry) as part of a joint project between NWTF and wildlife division under FTP C41-1474, which is now closed.
53 4131 - Aspen, Oak	Poletimber Well	38.3	26	Immature	Stand was an old grass type that was burned in 1989. Stand is filling in with aspen, jack pine, and cherry brush. There is some overstory log-sized red oak.
54 4132 - Aspen, Jack Pine	Sapling Well	78.3	25	Immature	
55 4130 - Aspen	Poletimber Well	15.3	55	Unspecified	
56 4319 - Mixed Upland Forest	Poletimber Medium	24.1	55	81-110	
57 4132 - Aspen, Jack Pine	Poletimber Well	65.0	26	Immature	
59 6120 - Lowland Cedar	Poletimber Well	28.1	80	Unspecified	
60 42290 - Natural Mixed Pine	Sawtimber Well	17.3	55	51-80	
61 6120 - Lowland Cedar	Sawtimber Well	4.3	77	Unspecified	The stand has been salvaged a couple of times from high water and a wind storm in 1997.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	42110 - Planted Red Pine	Sapling Well	35.6	13	Immature	This stand was converted to red pine. The stand was burned in the summer of 1999, trenched and hand planted in the spring of 2000. (3/14/02) Regeneration results: 1005 red pine trees/acre and 23 volunteers per acre. (8/6/04) Completion for 40 acres of release work. (8/17/06) FTP C41-882 closed (9/18/06) Site was sprayed with Accord in the fall of 2006. (6/11/07) Herbicide application successful. (2/12/08) FTP closed.
63	42110 - Planted Red Pine	Sawtimber Well	27.0	52	111-140	
64	4133 - Aspen, Mixed Pine	Poletimber Medium	16.4	44	Unspecified	
65	4310 - Pine, Oak Mix	Sawtimber Poor	12.0	70	1-50	Portions of the stand were cut in 1995. There are good pockets of oak regeneration.
67	4119 - Mixed Northern Hardwoods	Sawtimber Well	17.0	70	81-110	Some decent poles and logs. Stand would benefit from a thinning to open up some of the advanced regeneration.
68	4133 - Aspen, Mixed Pine	Sapling Medium	16.6	5	Immature	Stand was cut in the spring of 2010 as part of Asp's Lanes Sale # 41-019-07-01.
69	4199 - Other Mixed Upland Deciduous	Poletimber Well	12.7	25	Immature	
70	42110 - Planted Red Pine	Sawtimber Well	3.9	50	111-140	Stand was cut as part of Asp's Lane sale #41-019-07-01.
71	4134 - Aspen, Spruce/Fir	Sapling Well	40.2	25	Immature	
74	6120 - Lowland Cedar	Sawtimber Well	36.0	120	Unspecified	
76	6124 - Lowland Spruce-Fir	Sapling Poor	6.4	18	Immature	Stand is the result of a 1997 wind storm. The stand was salvaged 2-3 winters after the storm. There is some residual cedar and spruce in the stand.
77	4136 - Aspen, Mixed Conifer	Sapling Medium	3.0	5	Immature	Stand was cut as part of Asp's Lanes Sale #41-019-07-01. Sale was cut and is now closed. TCR dated 6/29/10. The stand is regenerating nicely with mostly aspen. There is a small amount of balsam fir coming up. The red maple stump sprouted well but it is being browsed.
81	4131 - Aspen, Oak	Poletimber Well	34.0	17	1-50	Stand was cut in 1998. Most of the regeneration is aspen but some oak is present.
82	42110 - Planted Red Pine	Sapling Well	53.6	15	Immature	The 2002 regeneration survey results showed 816 red pine trees per acre and 210 volunteers per acre. Release work was scheduled under FTP #41-895. This work was not needed and the FTP was closed with a letter in 2008.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	42110 - Planted Red Pine	Sawtimber Well	0.3	72	81-110	Stand was cut as part of the Asp's Lane sale #41-019-07-01. Sale is closed. TCR date 6/29/10.
84	42110 - Planted Red Pine	Sawtimber Well	1.1	72	81-110	The stand was thinned for the third time during the last entry period. Stand was cut as part of Sale #41-019-07-01 Asp's Lane. TCR date 6/29/2010. There is an oak or two in the canopy but not enough to be listed in the canopy species. The stand has heavy deer browse.
85	4310 - Pine, Oak Mix	Sapling Well	1.1	17	Immature	Stand was cut in 1998. There is some good oak regeneration within the stand but a lot of it has been heavily browsed. There are some caged oak within the stand. They seem to be doing well and they are about over browse height.
86	42110 - Planted Red Pine	Sawtimber Well	1.4	72	141-170	The stand was cut as part of sale #41-019-07-01 Asp's Lanes. Sale is now closed and TCR date is 6/29/2010.
87	42110 - Planted Red Pine	Sawtimber Well	1.7	72	111-140	This stand was cut as part of the Asp's Lanes sale #41-019-07-01. Sale is closed. TCR date of 6/29/10.
88	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	13.0	25	Immature	
89	42110 - Planted Red Pine	Sawtimber Well	1.8	72	141-170	The stand was cut as part of sale #41-019-07-01 Asp's Lanes. Sale is now closed and TCR date is 6/29/2010.
90	42110 - Planted Red Pine	Sawtimber Well	2.2	72	141-170	The stand was cut as part of sale #41-019-07-01 Asp's Lanes. Sale is now closed and TCR date is 6/29/2010.
92	42110 - Planted Red Pine	Sapling Well	0.5	15	Immature	The 2002 regeneration checks show 816 red pine/acre and 210 volunteers/acre. Release work was scheduled for the stand under FTP #41-895. The release work was not needed and the FTP was closed with a letter in 2008.
93	42110 - Planted Red Pine	Sapling Well	0.9	15	Immature	The 2002 regeneration checks show 816 red pine/acre and 210 volunteers/acre. Release work was scheduled for the stand under FTP #41-895. The release work was not needed and the FTP was closed with a letter in 2008.
94	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	6.2	26	Immature	
95	42110 - Planted Red Pine	Sawtimber Well	4.8	61	141-170	This stand was part of the 9 Mile Pine Sale #41-009-06-01. The sale was cut in the Spring of 2008. TCR 6/22/10.
97	4199 - Other Mixed Upland Deciduous	Sawtimber Well	6.2	78	81-110	
98	42110 - Planted Red Pine	Sawtimber Well	3.0	72	141-170	Stand was thinned for the third time last entry under sale # 41-019-07-01 Asp's Lanes. Sale TCR date 6/29/2010.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
99	4131 - Aspen, Oak	Sapling Well	2.7	17	Immature	
100	4130 - Aspen	Sapling Well	7.6	17	Immature	Stand was cut in 1998. There is some good oak regeneration within the stand but a lot of it has been heavily browsed. There are some caged oak within the stand. They seem to be doing well and they are about over browse height.
101	42110 - Planted Red Pine	Sapling Well	2.9	14	Immature	3/14/02: Received regeneration survey results: 816 RP trees/acre and 210 volunteers per acre. Release work needs to be done under FTP 41-895 6/11/07: No additional herbicide work needed. FTP will be closed with a letter. 2/12/08: FTP closed with a letter.
103	42250 - Pine, Oak	Sapling Poor	4.1	17	Immature	Stand was cut in 1998.
104	42110 - Planted Red Pine	Sapling Well	13.7	14	Immature	3/14/02 Received regeneration survey results: 816 RP trees/acre and 210 volunteers per acre. Release work still needs to be done under FTP 41-895 9/18/06: Portions of the site were released in June 2006 with Velpar. FTP is being kept open to evaluate effectiveness of herbicide application. 6/11/07: Herbicide work was successful. No additional work needed. FTP will be closed with a letter. 2/12/08: FTP closed with a letter
105	42110 - Planted Red Pine	Sawtimber Well	2.4	72	111-140	Stand was cut as part of Asp's Lanes. Sale is closed. TCR date 6/29/10.
106	42110 - Planted Red Pine	Sawtimber Well	2.8	72	171-200	The stand was cut as part of sale #41-019-07-01 Asp's Lanes. Sale is now closed and TCR date is 6/29/2010.
107	4123 - Red Oak	Sawtimber Well	5.4	72	51-80	
108	42110 - Planted Red Pine	Sawtimber Well	4.3	72	111-140	Stand was cut as part of Sale #41-019-07-01, Asp's Lanes. Sale was closed on 7/15/2010.
109	42110 - Planted Red Pine	Sawtimber Well	3.5	72	171-200	The stand received hail damage in 1997. It was cut as part of sale #41-019-07-01 Asp's Lanes. The sale is closed with a TCR date of 6/29/2010.
110	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	14.8	15	Immature	Regeneration survey results show 816 red pine trees/acre and 210 volunteers per acres. Portions of the site were released in June 2006 with Velpar. FTP is being opened to evaluate the effectiveness of the herbicide application.
111	42110 - Planted Red Pine	Sawtimber Well	0.2	72	141-170	
112	42110 - Planted Red Pine	Sapling Well	0.6	15	Immature	

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Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 83
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
113	42110 - Planted Red Pine	Sawtimber Well	2.3	72	111-140	
114	4134 - Aspen, Spruce/Fir	Poletimber Well	23.0	27	Immature	
115	6124 - Lowland Spruce-Fir	Sapling Well	6.7	26	Immature	
116	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	5.3	60	81-110	
117	6124 - Lowland Spruce-Fir	Sapling Well	2.0	45	Unspecified	Stand had an old cedar strip cut. There is some cedar regenerating but also a few other species. The stand may turn back into cedar when other species die out.
119	4130 - Aspen	Poletimber Well	1.9	29	Immature	
120	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	4.2	25	Immature	
123	4112 - Maple, Beech, Cherry Association	Sapling Well	4.0	15	Immature	
124	42110 - Planted Red Pine	Sawtimber Well	1.6	72	141-170	
125	42110 - Planted Red Pine	Sapling Well	7.8	16	Immature	3/14/2002 Regeneration survey results: 771 red pine trees/acre and 470 volunteers per acre. Release work to be done under FTP #41-805 1/6/2004 Received completion for 10 total acres of release work was completed in 8/2003. FTP is closed. There are some scattered aspen pockets in the stand.
126	42110 - Planted Red Pine	Sapling Well	1.1	23	Immature	The stand was planted with red pine under FTP C41-517. The completion report was dated July 1991.
127	42220 - Natural Jack Pine	Sapling Well	3.8	15	Immature	



Stand	Cover Type	Acres	Managed Site	General Comments:
2	310 - Herbaceous Openland	3.8	No	Stand was burned under FTP1284 on 5/3/2011.
5	500 - Water	9.3	No	
7	310 - Herbaceous Openland	14.3	No	Edison Sault Transmission Line
8	310 - Herbaceous Openland	178.2	No	This stand was burned in 1997 and then again on 4/22/2010. FTP# W41-1474: Malus coronaria (native sweet crabapple) and Viburnum ameicanum (highbush cranberry) have been planted in the stand. The planting was done as a joint project between NWTF and Wildlife Division. Planting was done outside of existing fire lines.
14	310 - Herbaceous Openland	10.6	No	Great Lakes Gas Pipeline
16	310 - Herbaceous Openland	8.9	No	Enbridge Gas Pipeline
17	500 - Water	15.8	No	
21	310 - Herbaceous Openland	34.5	No	This stand was burned in 1997 and then again on 4/22/2010. FTP# W41-1474: Malus coronaria (native sweet crabapple) and Viburnum ameicanum (highbush cranberry) have been planted in the stand. The planting was done as a joint project between NWTF and Wildlife Division. Planting was done outside of existing fire lines.
22	123 - Other High Intensity Urban	15.4	No	Highway US-2
28	500 - Water	6.2	No	
30	3303 - Mixed Low Density Trees	23.9	No	
31	310 - Herbaceous Openland	1.8	No	
39	3102 - Grass	4.3	No	
42	310 - Herbaceous Openland	12.8	No	Edison Sault Transmission Line
48	790 - Other Bare/Sparsely Vegetate	1.8	No	The stand is an old sand pit. It is now used as a scramble area for ATVs and 4-wheel-drive pick ups. In 2011, the stand was put into the RDR database for ORV issues (#41083772010001). In July 2010, an Intrusive Activity Memo was circulated to allow the Nursery to get 20 cu yards of sand from the site for a project to conduct site rehabilitation to curtail illegal activity. The project has not occurred.



Stand	Cover Type	Acres	Managed Site	General Comments:
50	3102 - Grass	212.0	No	This stand was burned in 1997 and then again on 4/22/2010. FTP# W41-1474: Malus coronaria (native sweet crabapple) and Viburnum americanum (highbush cranberry) have been planted in the stand. The planting was done as a joint project between NWTF and Wildlife Division. Planting was done outside of existing fire lines.
58	622 - Lowland Shrub	4.6	No	
66	3102 - Grass	3.0	No	
80	122 - Road/Parking Lot	5.4	No	Flodin Road
118	310 - Herbaceous Openland	1.5	No	Stand was planted in 2005. Release work was done in 2008. Stand failed 2010 regeneration checks.