

# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41083

Entry Year: 2027

Acreage: 1,968

County: Schoolcraft

Management Area: Escanaba Lake and Till Plain

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**Stand Examiner:** Steve Touvila

## **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:**

## **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:**

This compartment contains Dufour Creek which serves as a tributary to Indian Lake. Dufour Creek is a designated Type 1 trout stream less than 50-ft wide that has a predicted mean July water temperature of 59.5°F (cold stream). A 300-foot buffer is recommended for Dufour Creek in riparian areas susceptible to aspen regeneration. For areas not susceptible to aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended for Dufour Creek to protect these areas in accordance with Best Management Practices.

## **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 subgroups 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 needed at this time.

**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 good since it is close to the Manistique Office. The mixture of grass openings and pine fuel types within the compartment can lead to a fire carrying well during times of high fire danger.

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

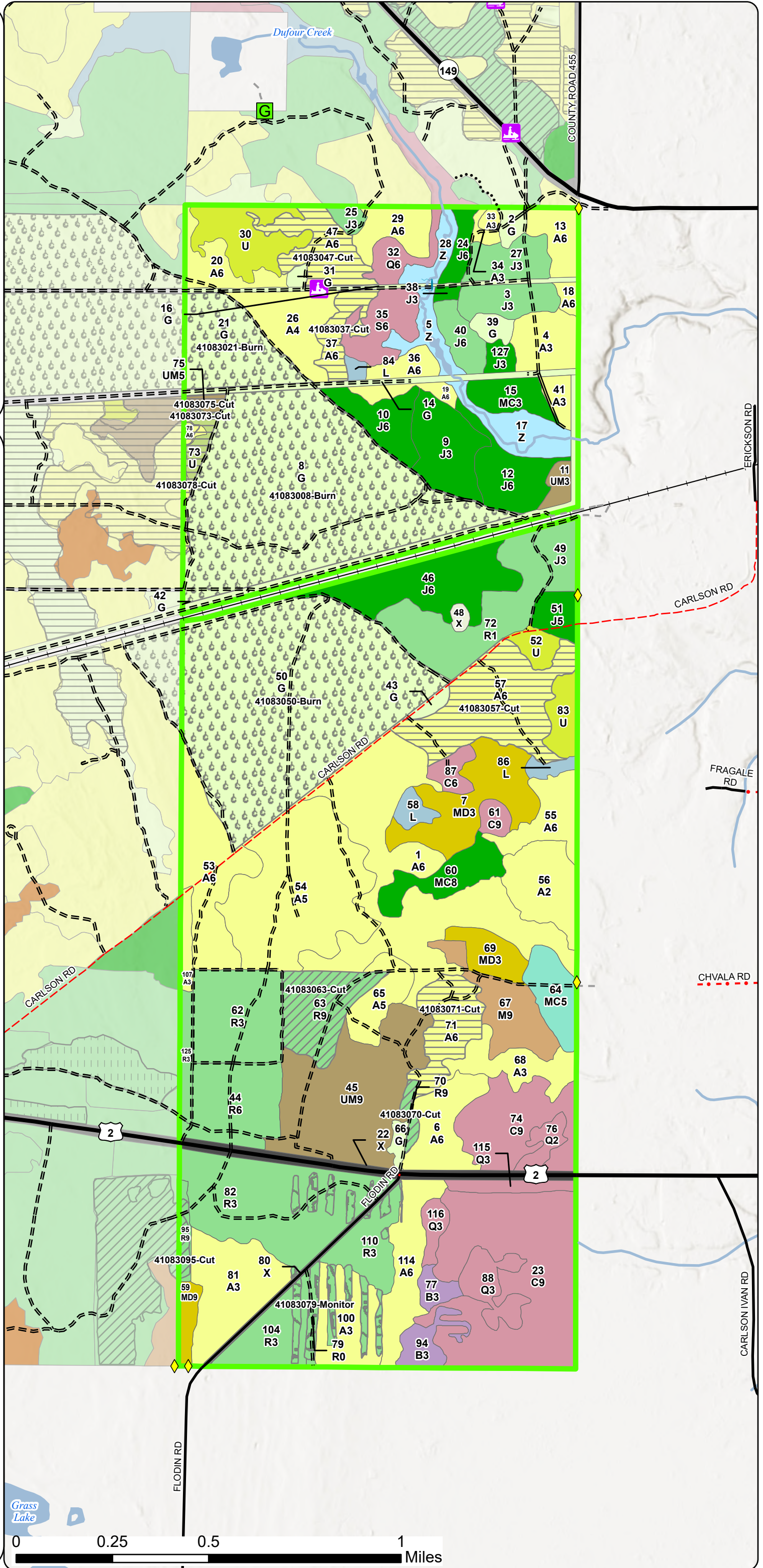
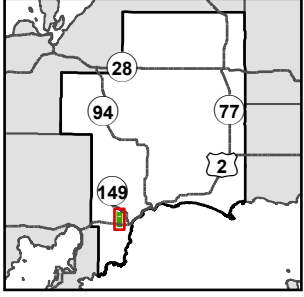
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

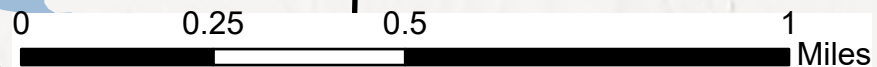
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

### Cover Type & Treatments Map

Compartment: 41083  
 T41N,R17W, Sec: 24, 25, 36  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt. Area: Escanaba Lake and Till Plain  
 YOE: 2027  
 Acres: 1,968.02 GIS Calculated  
 Examiner: Steve Touvila  
 Date Exported: 02/04/2026  
 Map Phase: Post Review

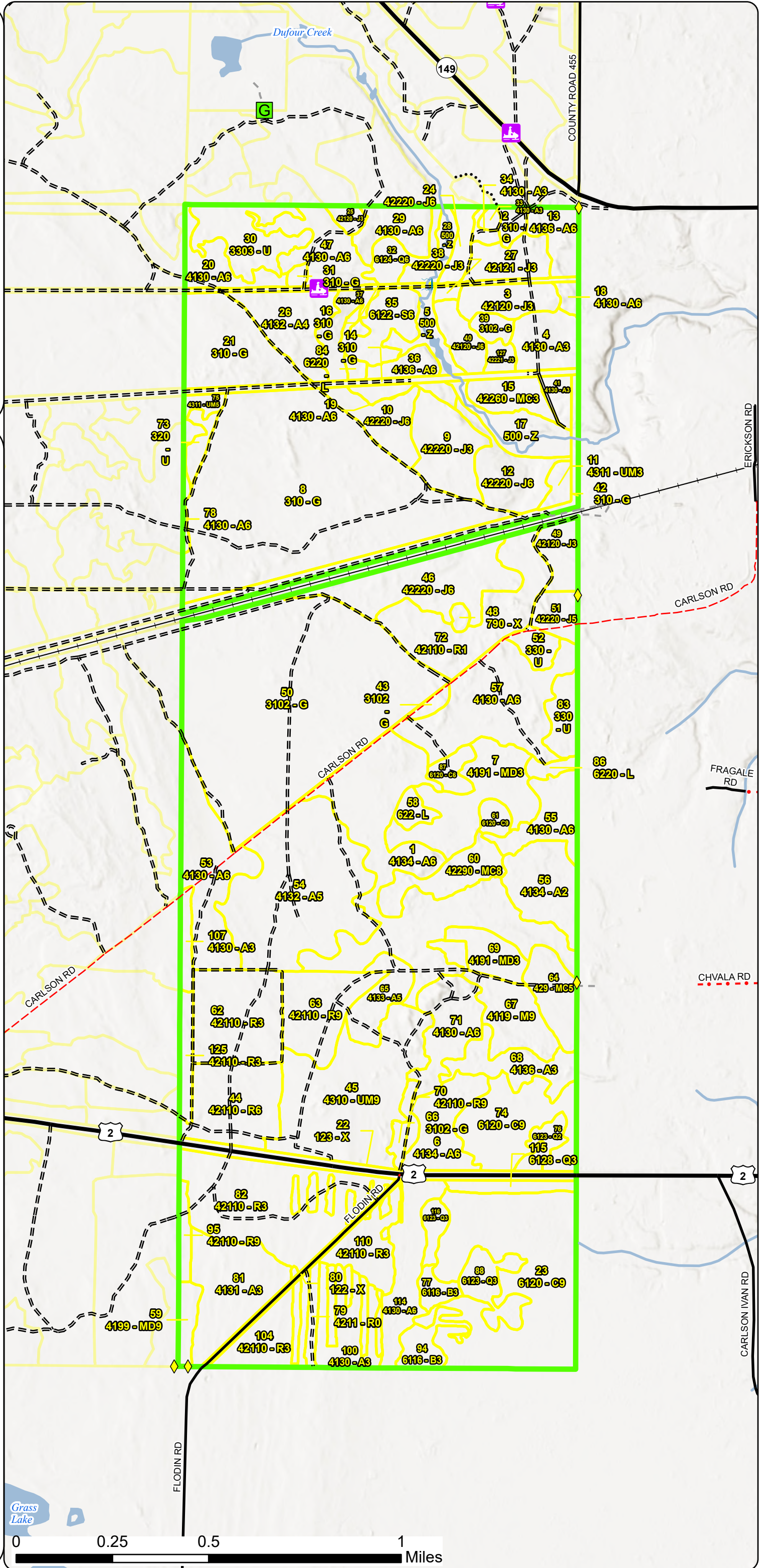
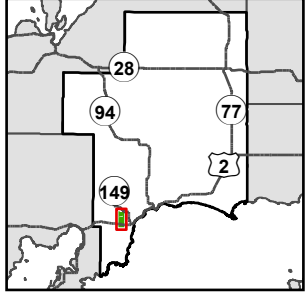


- Survey Grade Corners
- Culvert
- Gate
- Railroads
- Compartment Boundary
- Clearcut
- Thinning
- Prescribed Burn
- Monitoring - Regeneration
- Clearcut
- Thinning
- Prescribed Burn
- Openings Mgmt.
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated

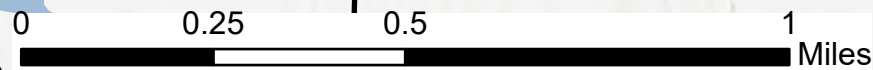


# Stand Boundary Map

Compartment: 41083  
 T41N,R17W, Sec: 24, 25, 36  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt. Area: Escanaba Lake and Till Plain  
 YOE: 2027  
 Acres: 1,968.02 GIS Calculated  
 Examiner: Steve Touvila  
 Date Exported: 02/04/2026  
 Map Phase: Post Review



- ◆ Survey Grade Corners
- Culvert
- G Gate
- Railroads
- Compartment Boundary
- Stand Outline
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
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- 330 - Low Density Trees
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- 790 - Other Bare/Sparsely Vegetated





Report 1 – Total Acres by Cover Type and Age Class

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	24	25	83	290	143	33	0	0	0	0	0	0	0	0	0	0	0	597
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	4	6	0	0	0	35	88	0	0	132
Herbaceous Openland	429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	429
Jack Pine	0	0	41	36	33	58	0	0	0	0	0	0	0	0	0	0	0	0	168
Low-Density Trees	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Conifers	0	0	0	25	7	0	0	0	0	0	9	0	0	0	0	0	0	0	40
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Spruce/Fir	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	17
Mixed Upland Deciduous	0	0	0	35	12	0	0	0	0	6	0	0	0	0	0	0	0	0	53
Natural Mixed Pines	0	0	0	11	0	0	0	0	17	0	0	0	0	0	0	0	0	0	28
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22
Paper Birch	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Red Pine	21	39	0	137	32	0	0	29	5	0	0	0	0	0	0	0	0	0	263
Upland Conifers	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Upland Mixed Forest	0	0	4	0	0	0	3	0	69	0	0	0	0	0	0	0	0	0	75
Upland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Water	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
<b>Total</b>	<b>561</b>	<b>63</b>	<b>70</b>	<b>341</b>	<b>389</b>	<b>201</b>	<b>53</b>	<b>29</b>	<b>91</b>	<b>10</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>88</b>	<b>0</b>	<b>23</b>	<b>1964</b>

## Report 2 – Treatment Summary

Shingleton Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 83  
Total Compartment Acres: 1,968

Commercial Harvest - 270  
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
Aspen	109	0	0	0	0	0	0	0	0	109
Red Pine	0	0	0	0	29	0	0	0	0	29
Upland Mixed Forest	3	0	0	0	0	0	0	0	0	3
Upland Shrub	5	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>117</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	146	0	0	0	376	0	20	0	0	543
Next Step	0	0	24	0	0	0	540	0	0	564
<b>Total</b>	<b>146</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>376</b>	<b>0</b>	<b>560</b>	<b>0</b>	<b>0</b>	<b>1106</b>

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Approved Treatments:**

<b>8</b>	<b>41083008-Burn</b>	166.0	310 - Herbaceous Openland	99		Burn	Prescribed Burn	310 - Herbaceous Openland	Previous Inventory	No
<p><u>Prescription</u> Prescribe burn to set back trees and brush.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Prescribed Burn  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>										
<b>21</b>	<b>41083021-Burn</b>	34.5	310 - Herbaceous Openland	99		Burn	Prescribed Burn	310 - Herbaceous Openland	Previous Inventory	No
<p><u>Prescription</u> Prescribe burn to set back trees and brush.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Prescribed Burn  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>										
<b>37</b>	<b>41083037-Cut</b>	11.1	4130 - Aspen	6	54 81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Clearcut with retention all deciduous to 2" DBH. Don't cut oak, hemlock, and cedar if encountered. Reserve some red and white pine. Include drumming log specs.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen</p> <p><u>Other Comment:</u> Include appropriate trail protection specs.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
47	41083047-Cut	21.4	4130 - Aspen	6	49	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription Specs:</u> Clearcut with retention all deciduous to 2" DBH. Don't cut oak, hemlock, and cedar if encountered. Reserve some red and white pine. Include drumming log specs.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> aspen and any species currently on site</p> <p><u>Other Comment:</u> Include appropriate trail protection specs.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
50	41083050-Burn	175.7	3102 - Grass	99			Burn	Prescribed Burn	310 - Herbaceous Openland	Previous Inventory	No
<p><u>Prescription Specs:</u> Prescribe burn to set back trees and brush. Consulted with wildlife on Hairy Hedge Nettle species hit. No mitigation needed as it is historic.</p> <p><u>Next Step Treatments:</u> Monitoring, Prescribed Burn</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
57	41083057-Cut	50.5	4130 - Aspen	6	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription Specs:</u> Clearcut with retention all deciduous to 2" DBH. Don't cut oak, hemlock, and cedar if encountered. Reserve some red and white pine. Include drumming log specs. Consulted with wildlife on Hair Hedge Nettle species hit. No mitigation needed as it is histori</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> aspen, white pine, and any other species currently on site</p> <p><u>Other Comment:</u> A good place for retention is in the southwest corner were there's a small area of red pine that has red pine regenerating.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
63	41083063-Cut	26.2	42110 - Planted Red Pine	9	63	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription Specs:</u> Thin to target 120 BA. Don't cut oak or hemlock.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>70 41083070-Cut</b>	3.2	42110 - Planted Red Pine	9	61	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Thin stand to target BA of 120. Don't cut oak or hemlock.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable Regen:</u>  <u>Other Comment:</u>  <u>Site Condition:</u>  Proposed Start Date: 10/01/2026</p>										
<b>71 41083071-Cut</b>	22.1	4130 - Aspen	6	57	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Clearcut with retention all species to 2" DBH. Don't cut oak or hemlock. Include drumming log specs.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable Regen:</u> aspen, balsam fir and any species currently on site  <u>Other Comment:</u>  <u>Site Condition:</u>  Proposed Start Date: 10/01/2026</p>										
<b>73 41083073-Cut</b>	4.9	320 - Upland Shrub	99			Harvest	Clearcut	330 - Low-Density Trees	Previous Inventory	No
<p><u>Prescription</u> Clearcut with retention per work instructions. Don't cut oak and hemlock if encountered.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable Regen:</u> any species on site  <u>Other Comment:</u>  <u>Site Condition:</u>  Proposed Start Date: 10/01/2025</p>										
<b>75 41083075-Cut</b>	3.2	4311 - Pine, Aspen Mix	5	55	51-80	Harvest	Clearcut	4132 - Aspen, Jack Pine	Planting Record	No
<p><u>Prescription</u> Clearcut all species to 2" DBH. Don't cut white pine, oak and hemlock if encountered. No retention due to small size.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen (3yr)  <u>Treatments:</u>  <u>Acceptable Regen:</u> any species on site  <u>Other Comment:</u>  <u>Site Condition:</u>  Proposed Start Date: 10/01/2025</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>78 41083078-Cut</b>	3.6	4130 - Aspen	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut all trees to 2" DBH with no retention due to small size. Don't cut oak or hemlock if encountered. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> any species on site <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025										
<b>79 41083079-Monitor</b>	20.3	4211 - Planted Red Pine	0	2	Immature	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> Planting, Initial Plant; Monitoring, Artificial Regen (3yr); Monitoring, Artificial Regen <u>Treatments:</u> <u>Acceptable</u> Red Pine <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>95 41083095-Cut</b>	3.2	42110 - Planted Red Pine	9	72	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin stand to approximately 120. This will be a light thinning. Concentrate on thinning denser areas and look for previous harvest damaged trees also. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025										

**Total Treatment** 545.9  
**Acreage Proposed:**

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Steve Touvila: Examiner

Compartment: 83  
Year of Entry: 2027

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions			
		With Condition			5B	3J	3L	
597	597	0	0	0	Aspen			
2	2	0	0	0	Bare/Sparsely Vegetated			
133	133	0	0	0	Cedar			
429	429	0	0	0	Herbaceous Openland			
168	168	0	0	0	Jack Pine			
39	39	0	0	0	Low-Density Trees			
40	31	0	9	9	Lowland Conifers			9
10	10	0	0	0	Lowland Shrub			
7	0	0	7	7	Lowland Spruce/Fir		7	
53	53	0	0	0	Mixed Upland Deciduous			
28	11	17	0	0	Natural Mixed Pines	17		
22	23	0	0	0	Northern Hardwood			
14	14	0	0	0	Paper Birch			
264	264	0	0	0	Red Pine			
15	15	0	0	0	Upland Conifers			
76	76	0	0	0	Upland Mixed Forest			
5	5	0	0	0	Upland Shrub			
23	23	0	0	0	Urban			
32	32	0	0	0	Water			
1,958	1,926	17	15	15	Total Forested Acres	17	7	9
	98%	1%	1%	1%	Relative Percent			

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Steve Touvila: Examiner

Compartment: 83  
Year of Entry: 2027

3	<b>Unavailable</b>	3L: Other wildlife concerns	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 100' buffer for Dufour Creek.							
8	<b>Unavailable</b>	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Tributaries to Dufour Creek.							

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.

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SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
1	4134 - Aspen, Spruce/Fir	Poletimber Well	95.3	38	81-110	N/A	Cut in 1988. Most of the balsam fir is in the east side of the stand. There's about 2.8 acres of aspen in the SE part of the stand along the road, next to the M9 stand that is 28 years old from a salvage harvest. There are some pockets of older aspen throughout the stand.																																																					
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2	310 - Herbaceous Openland	None	4.0			No	Stand was burned under FTP1284 on 5/3/2011.																																																					
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3	42120 - Planted Jack Pine	Sapling Well	13.1	17	Immature	N/A	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.																																																					
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4	4130 - Aspen	Sapling Well	15.8	28	Immature	N/A	Stand was cut in 1998 as part of the Dufour Creek Sale.																																																					
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5	500 - Water	None	9.3			No																																																						
6	4134 - Aspen, Spruce/Fir	Poletimber Well	21.3	36	1-50	N/A	SW 2.5 acres is 14 year old aspen cut as part of Asp's Lane harvest.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
7	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	34.8	28	1-50	N/A																																						
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8	310 - Herbaceous Openland	None	166.7			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. Burned in 2019.																																					
9	42220 - Natural Jack Pine	Sapling Well	24.1	28	1-50	N/A	Stand was cut in 1998. There are some aspen patches scattered through the stand.																																					
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11	4311 - Pine, Aspen Mix	Sapling Well	4.4	17	Immature	N/A	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.																																					
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12	42220 - Natural Jack Pine	Poletimber Well	19.8	48	51-80	N/A	BA is variable with some areas in the 81-110 range.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**13** 4136 - Aspen, Mixed Conifer Poletimber Well 11.6 45 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole/Sapling	5		Hemlock	Trace	10 - 20 feet	10 - 20 feet
Paper Birch	3	Pole/Sapling	6		White Pine	Trace	Variable	Variable
Quaking Aspen	20	Pole	8		Paper Birch	Low	>20 feet	>20 feet
Bigtooth Aspen	45	Pole	8	45	Balsam Fir	Low	>20 feet	>20 feet
Balsam Fir	5	Pole	5					
Northern White Cedar	1	Pole	6					
White Pine	3	Log/Pole/XLog	14					
Red Pine	10	Log/Pole	11	72				
Jack Pine	5	Pole	9					
Hemlock	5	Log/Pole	11					

**14** 310 - Herbaceous Openland None 10.6 No Great Lakes Gas Pipeline

**15** 42260 - Natural Pine, Mixed Deciduous Sapling Well 11.3 28 1-50 N/A Stand was scarified in 1998 as part of C41-856.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	28	Sapling/Pole	3		Black Spruce	Low	Variable	Variable
Black Spruce	7	Sapling/Pole	3					
Red Pine	3	Log	14					
Jack Pine	57	Sapling/Pole	4	28				
Black Cherry	5	Sapling/Pole	3					

**16** 310 - Herbaceous Openland None 7.3 No Enbridge Gas Pipeline

**17** 500 - Water None 15.5 No

**18** 4130 - Aspen Poletimber Well 2.8 49 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole/Sapling	7		Balsam Fir	Trace	>20 feet	>20 feet
Paper Birch	2	Pole/Sapling	6		Red Maple	Low	>20 feet	>20 feet
Quaking Aspen	20	Pole	9		Paper Birch	Trace	>20 feet	>20 feet
Bigtooth Aspen	70	Pole	9	49				
Balsam Fir	1	Pole/Sapling	6					
White Pine	3	Pole	7					
Hemlock	1	Log	14					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
19	4130 - Aspen	Poletimber Well	5.7	36	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Bigtooth Aspen		85	Pole/Sapling	5	36	Balsam Fir	Trace	5 - 10 feet	5 - 10 feet
White Pine		5	Log/Pole	12					
Jack Pine		5	Pole	7					
Black Cherry		5	Pole/Sapling	5					
20	4130 - Aspen	Poletimber Well	13.0	41	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		85	Pole	7	41	Balsam Fir	Trace	Variable	Variable
Bigtooth Aspen		10	Pole	7					
Red Pine		3	Log/Pole	12					
Jack Pine		2	Pole	8					
21	310 - Herbaceous Openland	None	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.		
							Burned in 2019.		
22	123 - Other High Intensity Urban	None	17.8			No	Highway US-2		
23	6120 - Lowland Cedar	Sawtimber Well	87.8	140	201+	N/A	This is a nice stand of cedar. There are some scattered pockets of blow down. Northern end has two narrow strip cuts that grew back as mostly 7" dbh paper birch.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Yellow Birch		2	Log	12		Balsam Fir	Low	Variable	Variable
Paper Birch		5	Pole/Log	9					
Balsam Fir		5	Pole	8					
Black Spruce		3	Pole/Log	9					
Northern White Cedar		84	Log/Pole	11	140				
Hemlock		1	Log	14					
24	42220 - Natural Jack Pine	Poletimber Well	6.6	28	1-50	N/A	Stand was cut as part of Dufour Creek sale in 1998.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Quaking Aspen		5	Sapling/Pole	4					
Jack Pine		95	Sapling/Pole	4	28				
25	42120 - Planted Jack Pine	Sapling Well	3.4	16	Immature	N/A	A portion of the center of the stand is lowland jack pine.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Jack Pine		100	Sapling	2	16				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
<b>26</b>	4132 - Aspen, Jack Pine	Poletimber Poor	22.7	41	1-50	N/A	Opening that has filled in over time. Could cut this at some point and plant red or jack pine or leave as wildlife opening. A few pockets of older aspen.																																											
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<b>27</b>	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	13.7	16	Immature	N/A	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.																																											
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<b>28</b>	500 - Water	None	7.1			No																																												
<b>29</b>	4130 - Aspen	Poletimber Well	13.5	36	Immature	N/A	The stand was cut as part of Pipeline Block Sale #41-004-88. The sale was cut in 1989-1990.																																											
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<b>30</b>	3303 - Mixed Low Density Trees	None	23.2			No																																												
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<b>31</b>	310 - Herbaceous Openland	None	1.7			No																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**32**      6124 - Lowland Spruce-Fir      Poletimber Well      9.1      97      81-110      N/A      The cedar is mostly in one dense group in the south part of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	8		Balsam Fir	Low	Variable	Variable
Quaking Aspen	2	Pole	9		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	10	Pole	8					
White Spruce	3	Log/Pole	12					
Black Spruce	45	Pole	9	97				
Northern White Cedar	15	Log/Pole	12					
Tamarack	5	Pole	6					
Red Pine	5	Log	14					
Jack Pine	10	Pole	8					

**33**      4130 - Aspen      Sapling Well      1.7      18      Immature      N/A      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.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	100	Sapling	2	18

**34**      4130 - Aspen      Sapling Well      2.3      28      1-50      N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	90	Sapling/Pole	4	28
Balsam Fir	5	Pole/Sapling	6	
Jack Pine	5	Sapling/Pole	4	

**35**      6122 - Black Spruce      Poletimber Well      16.6      57      51-80      N/A      South end of the stand is where most of the cedar is located. There are several stream tributaries located in this part of the stand. NE 1.2 acres is 95 year old 8-9" black spruce.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	9		Balsam Fir	Medium	Variable	Variable
Balsam Fir	10	Pole	7		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	55	Pole/Sapling	5	57				
Northern White Cedar	20	Log/Pole	12	112				
Tamarack	5	Pole	6					

**36**      4136 - Aspen, Mixed Conifer      Poletimber Well      6.7      28      1-50      N/A      Stand is the transition area between upland and a lowland stand and the Dufour Creek. Thick tag alder in the low areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole/Sapling	6		Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	70	Sapling/Pole	4	28	White Pine	Low	< 5 feet	< 5 feet
Balsam Fir	15	Sapling/Pole	4		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
White Pine	5	Log/XLog	16					
Red Pine	5	Log/XLog	16					
Jack Pine	2	Pole	8					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
<b>37</b>	4130 - Aspen	Poletimber Well	11.1	54	81-110	N/A	The stand is lower quality and starting to break up. Diameters are slightly smaller in the southern 1/3 of the stand.																																	
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<b>38</b>	42220 - Natural Jack Pine	Sapling Well	1.6	28	Immature	N/A	Cut in 1998 as part of Dufour Creek sale.																																	
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<b>39</b>	3102 - Grass	None	4.4			No																																		
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<b>40</b>	42120 - Planted Jack Pine	Poletimber Well	9.8	37	51-80	N/A																																		
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<b>41</b>	4130 - Aspen	Sapling Well	5.2	28	Immature	N/A	This stand was cut as part of Dufour Creek in 1998.																																	
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<b>43</b>	3102 - Grass	None	2.8			No																																		
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<b>44</b>	42110 - Planted Red Pine	Poletimber Well	31.7	34	81-110	N/A																																		
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<b>45</b>	4310 - Pine, Oak Mix	Sawtimber Well	68.5	73	81-110	N/A	2/6/19: Stand was cut as part of Big Hero Mix Sale #41-026-17-01. TCR Date 1/22/2019.																																															
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<b>47</b>	4130 - Aspen	Poletimber Well	21.4	49	81-110	N/A																																																
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Quaking Aspen	Low	>20 feet	>20 feet																																																			
<b>48</b>	790 - Other Bare/Sparsely Vegetated	None	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.																																															
<b>49</b>	42120 - Planted Jack Pine	Sapling Well	10.4	18	Immature	N/A	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).																																															
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Jack Pine	90	Sapling	2	18																																																		
<b>50</b>	3102 - Grass	None	175.9			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. Burned in 2019																																															

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>51</b>	42220 - Natural Jack Pine	Poletimber Medium	8.4	37	1-50	N/A																																	
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<b>52</b>	330 - Low-Density Trees	None	6.1			Yes	Stand was a grass opening and is 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.															
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Black Cherry	Low	>20 feet	>20 feet																			
Quaking Aspen	Low	>20 feet	>20 feet																			

<b>53</b>	4130 - Aspen	Poletimber Well	37.9	37	51-80	N/A	Stand was an old grass type that was burned in 1989. There's a notable amount of pole sized red oak throughout the stand.																																														
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<b>54</b>	4132 - Aspen, Jack Pine	Poletimber Medium	78.3	36	1-50	N/A	Old opening that has been filling in. Could be a candidate for clearcutting and converting to red pine in the future.																													
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<b>55</b>	4130 - Aspen	Poletimber Well	16.9	40	51-80	N/A	Cut in 1988.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**56** 4134 - Aspen, Spruce/Fir Sapling Medium 23.7 8 Immature N/A Cut as part of Big Hero Mix 41-026-17 in 2018.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	65	Sapling	1	8
Balsam Fir	30	Sapling	2	
White Spruce	5	Sapling	1	

**57** 4130 - Aspen Poletimber Well 50.5 46 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole/Log	9	
Paper Birch	1	Pole	9	
Quaking Aspen	47	Pole	8	46
Bigtooth Aspen	40	Pole	8	
Balsam Fir	1	Pole	6	
White Spruce	1	Pole/Log	9	
White Pine	3	Log/Pole	14	
Red Pine	2	Log/Pole	14	
Jack Pine	2	Pole	9	
Black Cherry	1	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace	Variable	Variable
Red Maple	Medium	< 5 feet	< 5 feet
White Pine	Trace	Variable	Variable
Black Cherry	Trace	Variable	Variable

**58** 622 - Lowland Shrub None 4.6 No

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	>20 feet	>20 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

**59** 4199 - Other Mixed Upland Deciduous Sawtimber Well 6.3 89 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Log/Pole	10	89
Beech	1	Pole	8	
Red Oak	40	Log	14	
Balsam Fir	1	Pole	8	
White Pine	3	Log/Pole	14	
Red Pine	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Variable
Beech	Trace	Variable	Variable
Balsam Fir	Trace	10 - 20 feet	10 - 20 feet
Ironwood	Medium	>20 feet	>20 feet

**60** 42290 - Natural Mixed Pine Sawtimber Medium 16.9 70 51-80 N/A Average BA is 50, and lower in some areas.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	5	
White Pine	50	Log/Pole	12	70
Red Pine	40	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	>20 feet	>20 feet
Quaking Aspen	High	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
<b>61</b>	6120 - Lowland Cedar	Sawtimber Well	4.3	88	171-200	N/A	The stand has been salvaged a couple of times from high water and a wind storm in 1997.																																																				
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<b>62</b>	42110 - Planted Red Pine	Sapling Well	35.9	24	1-50	N/A	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.																																																				
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<b>63</b>	42110 - Planted Red Pine	Sawtimber Well	26.2	63	141-170	N/A	Stand was cut as part of Big Hero Mix Sale #41-026-17. TCR Date 1/22/2019.																																																				
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<b>64</b>	429 - Mixed Upland Conifers	Poletimber Medium	15.4	32	1-50	N/A																																																					
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<b>65</b>	4133 - Aspen, Mixed Pine	Poletimber Medium	13.9	31	1-50	N/A	Portions of the stand were cut in 1995 with Ed's Removal harvest. There's a good amount of oak regeneration and well distributed oak poles throughout the stand.																																																				
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<b>66</b>	3102 - Grass	None	2.7			No																																																					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>67</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	22.5	81	81-110	N/A	2025: Paper birch is beginning to die back. The paper birch is what bumps this into a log stand. Stand is developing a thick balsam fir understory. 2015: Some decent poles and logs. Stand would benefit from a thinning to open up some of the advanced regeneration. 2/7/2019: Stand was cut as part of Big Hero Mix Sale #41-026-17-01. TCR Date 1/22/2019.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		22	Pole	8		Balsam Fir		High	5 - 10 feet	5 - 10 feet	
Red Maple		46	Pole	9	81	Beech		Low	Variable	Variable	
Beech		1	Log/Pole	16		Sugar Maple		Medium	>20 feet	>20 feet	
Red Oak		1	XLog	18		Red Maple		Medium	>20 feet	>20 feet	
Paper Birch		26	Log/Pole	12							
Quaking Aspen		1	Pole	9							
Balsam Fir		1	Pole	7							
White Pine		1	Log	16							
Hemlock		1	Log/Pole	12							
<b>68</b>	4136 - Aspen, Mixed Conifer	Sapling Well	17.5	16	Immature	N/A		Stand was cut in the spring of 2010 as part of Asp's Lanes Sale # 41-019-07-01.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Bigtooth Aspen		80	Sapling	2	16	Balsam Fir			Medium	5 - 10 feet	5 - 10 feet
Balsam Fir		15	Sapling	2							
White Pine		3	Log/Pole	12							
Red Pine		2	Log	12							
<b>69</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	11.6	36	1-50	N/A					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		15	Sapling	3		Balsam Fir		Medium	10 - 20 feet	10 - 20 feet	
Red Maple		35	Sapling	4	36						
Red Oak		1	Pole	8							
Paper Birch		25	Sapling	4							
Balsam Fir		20	Sapling/Pole	4							
Ironwood		4	Sapling	3							
<b>70</b>	42110 - Planted Red Pine	Sawtimber Well	3.2	61	141-170	N/A	2/6/19: This stand was cut as part of Big Hero Mix Sale #41-026-17-01. TCR Date 1/22/2019. Stand was cut as part of Asp's Lane sale #41-019-07-01.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		1	Pole	7		Red Oak		Low	Variable	Variable	
Red Oak		1	Log	16							
Quaking Aspen		1	Pole	7							
Red Pine		97	Log	12	61						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**71**                      4130 - Aspen                      Poletimber Well                      22.1                      57                      81-110                      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole	8		Balsam Fir	Medium	Variable	Variable
Red Oak	3	Log/Pole	14		Red Oak	Trace	Variable	Variable
Paper Birch	3	Pole/Sapling	5		Ironwood	Trace	>20 feet	>20 feet
Quaking Aspen	35	Pole	9	57				
Bigtooth Aspen	35	Pole	9					
Balsam Fir	15	Sapling/Pole	4					
White Pine	3	Log/Pole	14					
Black Cherry	3	Pole	8					

**72**                      42110 - Planted Red Pine                      Sapling Poor                      39.4                      5                      Immature                      N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Sapling	1	5

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. Stand was attempted to commercial harvest 2 times with no success. Trees will be manuall felled by Nursery crew and burned following. Site was roller chopped in July 2020. Site was trenched in August 2020. Spraying was done by Hammock Flying Services (sub contractor for Hamilton Helicopters). Weather (on site) = Sunny/partly cloudy 40% cover, 72.8 degrees, Wind light to 2.0 mph from the W/SW, RH 47.8%. Vegetation was dry. Started spraying around 4:45pm. Sprayed 41085030/41086077 site first, then moved to 41083072. Completed first site at 5:45pm. Completed 42083072 spraying at 6:55pm. At completion temp was 70.0 degrees, RH 59.6%, wind was calm to 2.5 mph from the SW, sunny with 25% cloud cover. No rain in previous 12 hrs. No rain forecast for 48 hrs after application. Site Prep Treatment - Sprayed Element 4 @ 2.0 qt./acre and Rodeo @ 3.0 qt./acre. Surfactant of TA-39 at a rate of 5.12 oz/acre. Total herbicide cost = \$10,240.18. Per acre = \$85.41/acre for Site Prep. This doesn't include any DNR labor/wages. Specific costs of herbicides and contract can be found on the PAP1st year regeneration check showed 788 trees per acre 12/9/24. 3rd year regeneration check completed and results are attached as a file.

**73**                      320 - Upland Shrub                      None                      4.9                      No

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Trace	>20 feet	>20 feet
Jack Pine	Trace	>20 feet	>20 feet
Black Cherry	Trace	>20 feet	>20 feet
Black Cherry	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
<b>74</b>	6120 - Lowland Cedar	Sawtimber Well	34.5	131	141-170	N/A																																						
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<b>75</b>	4311 - Pine, Aspen Mix	Poletimber Medium	3.2	55	51-80	N/A																																						
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<b>76</b>	6123 - Lowland Fir	Sapling Medium	6.2	29	Immature	N/A	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.																																					
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<b>77</b>	6116 - Lowland Birch	Sapling Well	4.9	29	Immature	N/A																																						
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<b>79</b>	4211 - Planted Red Pine	Unspecified	21.4	2	Immature		Stand was thinned for the third time last entry under sale # 41-019-07-01 Asp's Lanes. Sale TCR date 6/29/2010. Final harvest occurred in spring 2020. Trenched in spring 2022. Sprayed in spring 2023. Planted in spring 2024 1st year regeneration check completed. Results attached as file. Labeled as failure. Replant scheduled 7/22/25 Stand was replanted in spring of 2025. 10/2/2025: First year regen check showed 795 TPA.																																					
<b>80</b>	122 - Road/Parking Lot	None	5.5			No	Flodin Road.																																					

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<b>81</b>	4131 - Aspen, Oak	Sapling Well	34.4	28	1-50	N/A	Stand was cut in 1998 as part of Flodin Road Salvage sale. Most of the regeneration is aspen but some oak is present.																																										
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<b>82</b>	42110 - Planted Red Pine	Sapling Well	59.9	26	1-50	N/A	Stand was cut in 1998 as part of Flodin Road Salvage sale.																																										
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<b>83</b>	330 - Low-Density Trees	None	10.0			Yes	A private red pine plantation extends into the eastern edge of this stand. The plantation was recently third row thinned but the part on state land was left out of the harvest and there's fresh blue line in that location. Stand was a grass opening and is 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.																																										
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<b>84</b>	6220 - Alder/Willow	None	1.8			No	Tall tag alder with widely scattered aspen and a few balsam fir.																																										
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<b>86</b>	6220 - Alder/Willow	None	3.4			No																																											
<b>87</b>	6120 - Lowland Cedar	Poletimber Well	6.0	91	111-140	N/A																																											
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<b>88</b>	6123 - Lowland Fir	Sapling Well	13.2	29	1-50	N/A	Cedar blowdown area from the 1997 windstorm with balsam fir and cedar regenerating. Too thick to walk through so edge visit.																																										
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<b>94</b>	6116 - Lowland Birch	Sapling Well	9.1	29	1-50	N/A	The northeast 2 acre strip cut area is older, consisting of 6" dbh paper birch, balsam fir, and cedar.																																						
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<b>95</b>	42110 - Planted Red Pine	Sawtimber Well	4.8	72	111-140	N/A	This stand was thinned in 2018 as part of Never Say Pine Again 41-015-16.																																						
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<b>100</b>	4130 - Aspen	Sapling Well	18.8	28	1-50	N/A	[12/17/24] The oak regeneration was heavily browsed. 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.																																						
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<b>104</b>	42110 - Planted Red Pine	Sapling Well	18.2	26	Immature	N/A	Cut in 1998 as part of Flodin Road Salvage sale.																																						
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<b>107</b>	4130 - Aspen	Sapling Well	5.3	16	1-50	N/A	Stand was cut as part of Thompson Plains ROWs Sale # 41-027-06-01. Sale was cut in the summer of 2010. This was cut along with stand 54 in the adjacent compartment.																																						
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<b>110</b>	42110 - Planted Red Pine	Sapling Well	16.1	26	1-50	N/A	[12/17/24] Stand is doing good. 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.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>114</b>	4130 - Aspen	Poletimber Well	24.0	38	51-80	N/A	Cut in 1988.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		14	Sapling/Pole	4		Balsam Fir	
Paper Birch		15	Pole/Sapling	5		Low	
Quaking Aspen		60	Pole/Sapling	6	38	Variable	
Balsam Poplar		5	Pole/Sapling	6		Variable	
Balsam Fir		5	Pole/Sapling	5			
Northern White Cedar		1	Log/Pole	10			
<b>115</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	6.7	35	1-50	N/A	Dense cedar saplings that is being over topped by paper birch saplings. Should be a dense cedar stand in the future. Cut in 1991.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Paper Birch		30	Sapling	3			
Balsam Fir		25	Sapling/Pole	3	35		
Northern White Cedar		45	Sapling	3	35		
<b>116</b>	6123 - Lowland Fir	Sapling Well	5.3	22	1-50	N/A	The balsam fir has died back and some cedar has blown down. Stand has changed to immature with balsam fir saplings and some cedar regeneration.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		10	Log/Pole	10		Tag Alder	
Yellow Birch		3	Log/Pole	10		High	
Paper Birch		2	Sapling/Pole	4		10 - 20 feet	
Balsam Fir		75	Sapling	2	22	10 - 20 feet	
Northern White Cedar		10	Log/Pole	10		Balsam Fir	
						Medium	
						Variable	
						Variable	
						Northern White Cedar	
						Low	
						10 - 20 feet	
						10 - 20 feet	
<b>125</b>	42110 - Planted Red Pine	Sapling Well	7.3	27	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Bigtooth Aspen		5	Sapling/Pole	4			
Red Pine		65	Sapling/Pole	4	27		
Jack Pine		30	Sapling/Pole	4			
<b>127</b>	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	3.8	26	1-50	N/A	Cut in 1998 as part of Dufour Creek sale.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Quaking Aspen		25	Sapling/Pole	3			
Jack Pine		70	Sapling/Pole	4	26		
Black Cherry		5	Sapling	3			