



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41083

Entry Year 2027

Acreage: 1,968

County: Schoolcraft

Management Area: Escanaba Lake and Till Plain

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:

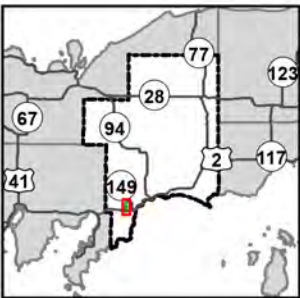
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

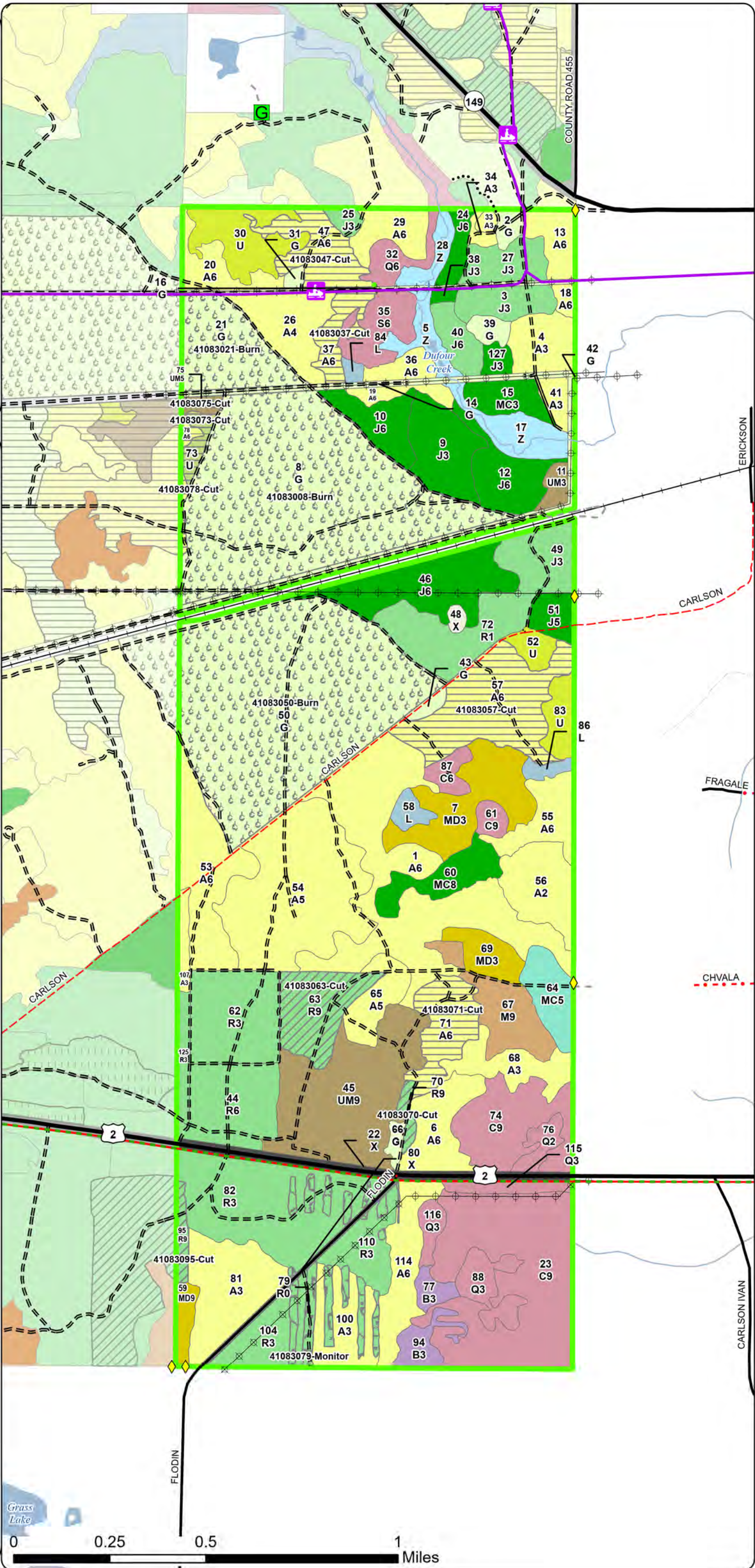
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

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: 07/30/2025
Map Phase: Web Post

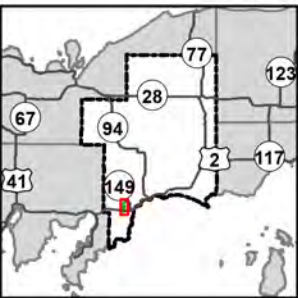


- Survey Grade Corners
- Gate
- Culvert
- Designated Bicycle Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Management Access
- Active Railroads
- Powerline
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- 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

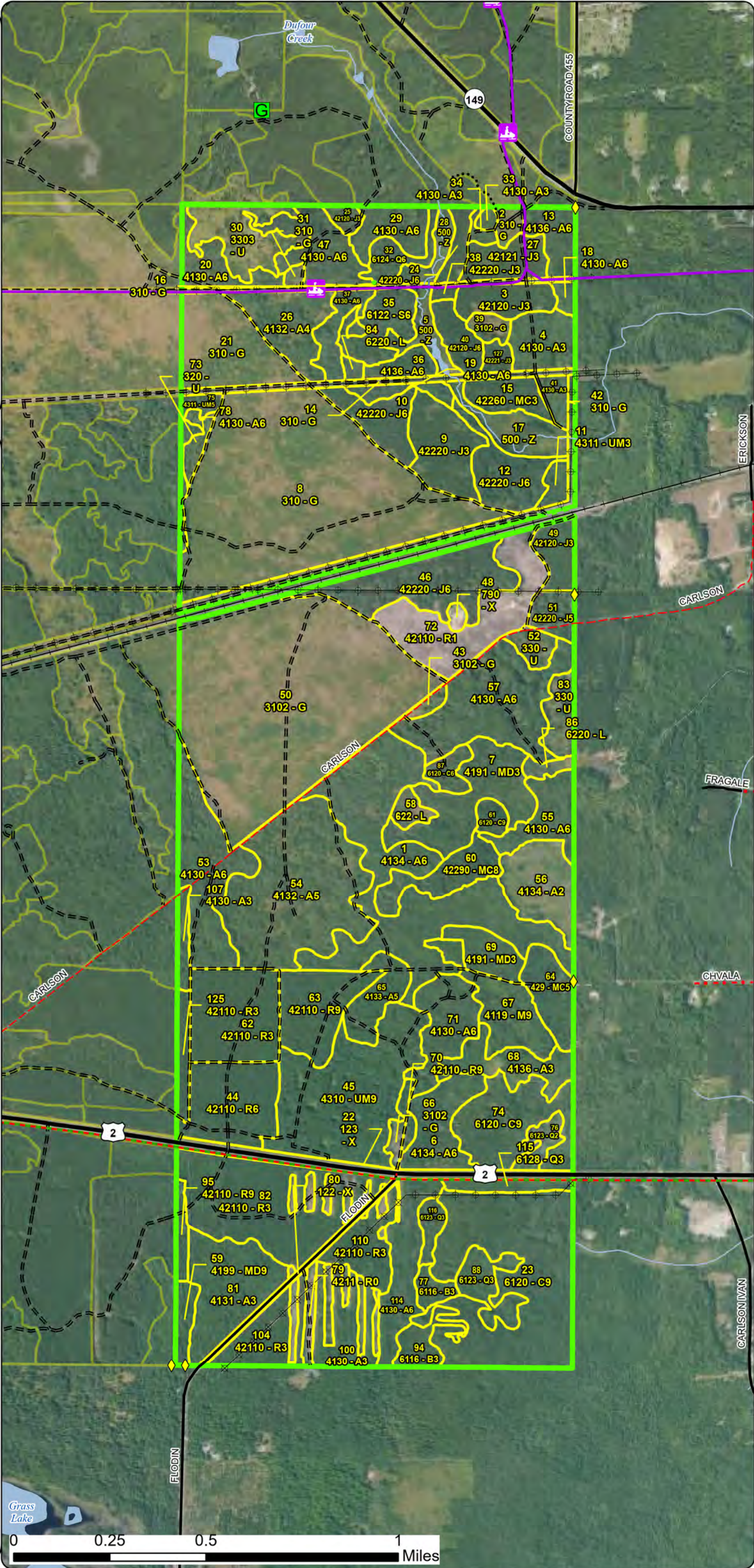


Stand Boundary
Map

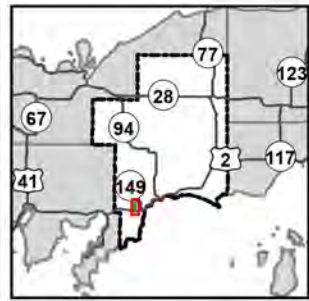
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

















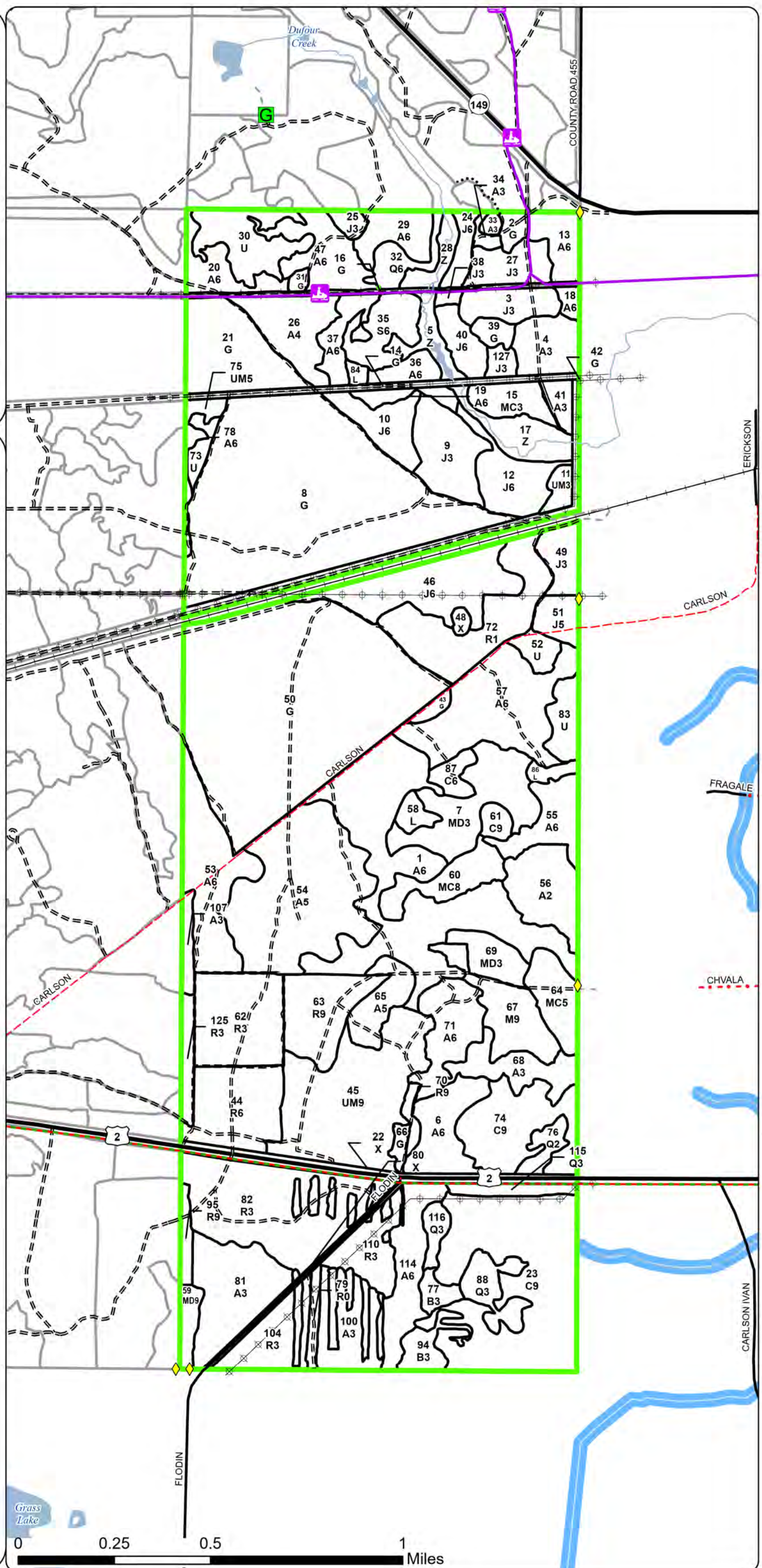
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-  Survey Grade Corners
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-  Active Railroads
-  Powerline
-  Intermittent Stream
-  Perennial River
-  Lakes and Rivers
-  Counties
-  Compartment Boundary
-  Stand Boundaries
-  Cold Water Streams
-  High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class

Steve Touvila: Examiner



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	24	25	83	307	126	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	122	0	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	17	0	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
Total	561	63	70	341	406	184	53	46	74	10	15	0	0	0	122	0	0	23	1964



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 83
Total Compartment Acres: 1,968

Commercial Harvest - 275
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	34	0	0	0	0	34
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
Total	117	0	0	0	34	0	0	0	0	151

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	151	0	0	0	376	0	21	0	0	549
Next Step	0	0	25	0	0	0	521	0	0	567
Total	151	0	25	0	376	0	542	0	0	1115



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	Habitat Cut
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Proposed Treatments:

37	41083037-Cut	11.1	4130 - Aspen	6	53	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<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 <u>Specs:</u> drumming log specs. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen <u>Regen:</u> <u>Other</u> Include appropriate trail protection specs. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
47	41083047-Cut	21.4	4130 - Aspen	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<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 <u>Specs:</u> drumming log specs. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen and any species currently on site <u>Regen:</u> <u>Other</u> Include appropriate trail protection specs. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
57	41083057-Cut	50.5	4130 - Aspen	6	45	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<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 <u>Specs:</u> drumming log specs. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, white pine, and any other species currently on site <u>Regen:</u> <u>Other</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. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
63	41083063-Cut	26.2	42110 - Planted Red Pine	9	62	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin to target 120 BA. Don't cut oak or hemlock. <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> 10/01/2026											

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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
70 41083070-Cut	3.2	42110 - Planted Red Pine	9	60	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<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</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
71 41083071-Cut	22.1	4130 - Aspen	6	56	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<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</u> aspen, balsam fir and any species currently on site <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

Approved Treatments:

8 41083008-Burn	166.0	310 - Herbaceous Openland	99			Burn	Prescribed Burn	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribe burn to set back trees and brush. <u>Specs:</u> <u>Next Step</u> Monitoring, Prescribed Burn <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										

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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
21 41083021-Burn	34.5	310 - Herbaceous Openland	99			Burn	Prescribed Burn	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribe burn to set back trees and brush. <u>Specs:</u> <u>Next Step</u> Monitoring, Prescribed Burn <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										
50 41083050-Burn	175.7	3102 - Grass	99			Burn	Prescribed Burn	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribe burn to set back trees and brush. <u>Specs:</u> <u>Next Step</u> Monitoring, Prescribed Burn <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										
73 41083073-Cut	4.9	320 - Upland Shrub	99			Harvest	Clearcut	330 - Low-Density Trees	Previous Inventory	No
<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</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										
75 41083075-Cut	3.2	4311 - Pine, Aspen Mix	5	54	51-80	Harvest	Clearcut	4132 - Aspen, Jack Pine	Planting Record	No
<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</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										



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	Habitat Cut
78	41083078-Cut	3.6	4130 - Aspen	6	47	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											
79	41083079-Monitor	21.4	4211 - Planted Red Pine	0	1	Immature	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> artificial regeneration monitor <u>Specs:</u> <u>Next Step</u> Monitoring, Artificial Regen; Planting, Interplant; NonCommCut, Brush Saw Release <u>Treatments:</u> <u>Acceptable</u> red pine <u>Regen:</u> <u>Other</u> replanted. Approved 2017 YOE <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024											
95	41083095-Cut	4.8	42110 - Planted Red Pine	9	71	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 548.6
 Acreage Proposed:



Availability for Management

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

Report 4 – Site Conditions



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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				





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	27	1-50	N/A																																							
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole</td><td>3</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Pole</td><td>3</td><td></td></tr><tr><td>Paper Birch</td><td>20</td><td>Log</td><td>3</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>35</td><td>Pole</td><td>4</td><td>27</td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	20	Pole	3		Red Maple	20	Pole	3		Paper Birch	20	Log	3		Bigtooth Aspen	35	Pole	4	27	Northern White Cedar	5	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	
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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	27	1-50	N/A	Stand was cut in 1998. There are some aspen patches scattered through the stand.																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Jack Pine</td><td>90</td><td>Pole</td><td>4</td><td>27</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	10	Pole	4		Jack Pine	90	Pole	4	27	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	5 - 10 feet	5 - 10 feet																
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10	42220 - Natural Jack Pine	Poletimber Well	15.6	35	51-80	N/A																																							
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11	4311 - Pine, Aspen Mix	Sapling Well	4.4	16	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.																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>50</td><td>Log</td><td>2</td><td>16</td></tr><tr><td>Jack Pine</td><td>50</td><td>Log</td><td>2</td><td>16</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	50	Log	2	16	Jack Pine	50	Log	2	16																												
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12	42220 - Natural Jack Pine	Poletimber Well	19.8	47	51-80	N/A	BA is variable with some areas in the 81-110 range.																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>25</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Jack Pine</td><td>75</td><td>Seedling</td><td>7</td><td>47</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	25	Seedling	8		Jack Pine	75	Seedling	7	47	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet	Black Cherry	Low	5 - 10 feet	5 - 10 feet												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
19	4130 - Aspen	Poletimber Well	5.7	35	51-80	N/A																																											
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20	4130 - Aspen	Poletimber Well	13.0	40	51-80	N/A																																											
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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	139	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.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Paper Birch</td><td>5</td><td></td><td>9</td><td></td></tr><tr><td>Yellow Birch</td><td>2</td><td></td><td>12</td><td></td></tr><tr><td>Black Spruce</td><td>3</td><td></td><td>9</td><td></td></tr><tr><td>Northern White Cedar</td><td>84</td><td></td><td>11</td><td>139</td></tr><tr><td>Hemlock</td><td>1</td><td></td><td>14</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5		9		Yellow Birch	2		12		Black Spruce	3		9		Northern White Cedar	84		11	139	Hemlock	1		14		Balsam Fir	5	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable			
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24	42220 - Natural Jack Pine	Poletimber Well	6.6	27	1-50	N/A	Stand was cut as part of Dufour Creek sale in 1998.																																										
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25	42120 - Planted Jack Pine	Sapling Well	3.4	15	Immature	N/A	A portion of the center of the stand is lowland jack pine.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>100</td><td>Log</td><td>2</td><td>15</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Log	2	15																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
45	4310 - Pine, Oak Mix	Sawtimber Well	68.5	72	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.																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>15</td><td>Pole</td><td>4</td><td>30</td></tr><tr><td>White Pine</td><td>8</td><td></td><td>9</td><td></td></tr><tr><td>Red Oak</td><td>37</td><td></td><td>11</td><td>97</td></tr><tr><td>Red Pine</td><td>40</td><td></td><td>10</td><td>72</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	15	Pole	4	30	White Pine	8		9		Red Oak	37		11	97	Red Pine	40		10	72	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>White Pine</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Red Oak</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Medium	>20 feet	>20 feet	White Pine	Medium	< 5 feet	< 5 feet	Red Oak	Medium	Variable	Variable	Red Maple	Low	Variable	Variable						
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46	42220 - Natural Jack Pine	Poletimber Well	38.1	46	81-110	N/A																																																	
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47	4130 - Aspen	Poletimber Well	21.4	48	81-110	N/A																																																	
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Balsam Fir	Trace	Variable	Variable																																																				
48	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.																																																
49	42120 - Planted Jack Pine	Sapling Well	10.4	17	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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50	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																																																



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																											
56	4134 - Aspen, Spruce/Fir	Sapling Medium	23.7	7	Immature	N/A	Cut as part of Big Hero Mix 41-026-17 in 2018.																																																																											
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57	4130 - Aspen	Poletimber Well	50.5	45	81-110	N/A																																																																												
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58	622 - Lowland Shrub	None	4.6			No																																																																												
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59	4199 - Other Mixed Upland Deciduous	Sawtimber Well	6.3	88	81-110	N/A																																																																												
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60	42290 - Natural Mixed Pine	Sawtimber Medium	16.9	69	51-80	N/A	Average BA is 50, and lower in some areas.																																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
61	6120 - Lowland Cedar	Sawtimber Well	4.3	87	171-200	N/A	The stand has been salvaged a couple of times from high water and a wind storm in 1997.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		10	Seedling	8		Red Maple		Low	Variable	Variable
Black Spruce		10	Seedling	8		Balsam Fir		Low	Variable	Variable
Northern White Cedar		80		13	87					
62	42110 - Planted Red Pine	Sapling Well	35.9	23	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.			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		5	Pole	4						
Red Pine		95	Pole	4	23					
63	42110 - Planted Red Pine	Sawtimber Well	26.2	62	141-170	N/A	Stand was cut as part of Big Hero Mix Sale #41-026-17. TCR Date 1/22/2019.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		1	Seedling	7		Red Oak		Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen		1	Seedling	7		White Pine		Low	< 5 feet	< 5 feet
White Pine		1		16						
Red Oak		2		14						
Red Pine		95		11	62					
64	429 - Mixed Upland Conifers	Poletimber Medium	15.4	31	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Seedling	9		Balsam Fir		High	Variable	Variable
White Pine		40	Sapling	6	31	White Pine		Medium	>20 feet	>20 feet
Jack Pine		10	Seedling	7						
Balsam Fir		38	Pole	3						
Black Spruce		3	Seedling	8						
Northern White Cedar		5		9						
Quaking Aspen		2	Seedling	8						
65	4133 - Aspen, Mixed Pine	Poletimber Medium	13.9	30	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.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		35		6		Red Oak		Medium	10 - 20 feet	10 - 20 feet
White Pine		10		9		White Pine		Low	Variable	Variable
Red Pine		15		14	80	Black Cherry		Trace	5 - 10 feet	5 - 10 feet
Quaking Aspen		40	Sapling	5	30	Red Pine		Trace	10 - 20 feet	10 - 20 feet
66	3102 - Grass	None	2.7			No				



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
71	4130 - Aspen	Poletimber Well	22.1	56	81-110	N/A																																																													
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72	42110 - Planted Red Pine	Sapling Poor	39.4	4	Immature	N/A	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 2020Spraying was done by Hammock Flying Services (sub contractor for Hamilton Helicoptors). 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 acre12/9/24: 3rd year regeneration check completed and results are attached as a file.																																																												
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73	320 - Upland Shrub	None	4.9			No																																																													
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