



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41075

Entry Year 2027

Acreage: 1,524

County: Schoolcraft

Management Area: Seney Lake Plain

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**Stand Examiner:** Adam Petrelius

**Legal Description:**

T42N R15W, Section 6, 7, 8

**Identified Planning Goals:**

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

**Soil and topography:**

The topography in this compartment is mostly flat, and elevations generally decrease towards the southern boundaries of the compartment. Soils in the northern portions of the compartment support mixed pine/aspen/oak stands, northern hardwoods, and some large grass openings. The southern portions of the compartment include lowland conifer species such as cedar and black spruce. The major soil types found within the compartment, in order of abundance, are Rubicon Sand, McMillan-Stutts Complex, McMillan-Greylock Complex, and Rubicon-Croswell-Deford Complex. The major habitat types with the compartment, in order of abundance, are PARV, AFPo, and PVE. The majority of this compartment lies within the Hiawatha Moraine Land Type Association (LTA) which is located in the northern half of the compartment. The other LTA found within the compartment is the Mint Farm LTA.

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

State land within this compartment was acquired between 1926 and 1943, and was either purchased or tax reverted. The entire northern boundary of the compartment borders state land. Approximately 1/4 of the west and south boundaries are adjacent to state land as well. Approximately 3/4 of the eastern compartment boundary is adjacent to state land. Adjacent private ownership along the compartment boundary includes 6 different parcels, and 3 camps are known to exist adjacent to this compartment.

**Unique Natural Features:**

Under review.

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

None known.

**Special Management Designations or Considerations:**

Many stands in this compartment are located within the deeryard, and are classified as a Special Conservation Area.

**Watershed and Fisheries Considerations:**

None.

**Wildlife Habitat Considerations:**

This compartment sets just north of the Sturgeon Hole deer yard and includes a portion of the High Rollways opening complex. The original surveyor's notes indicate that the pre-settlement land cover consisted primarily of hemlock and white pine. Red pine, beech, white birch, and sugar maple were also common components of the forest. Current vegetation is substantially different from pre-settlement conditions. Grassy openings now constitute about 1/3rd of the compartment. Red pine plantation, aspen, and oak have also expanded substantially from the 1850s. Featured species in this compartment are woodcock, ruffed grouse, sharp-tailed grouse, and white-tailed deer. Wildlife habitat objectives consist primarily of maintaining the grassy openings for deer breaking out of the winter yards, promoting oak as a high source of protein for a wide variety of wildlife life, and protecting the closed canopy conifer forests.

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

Surface sediments consist of lacustrine sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness (< 100 feet). The Silurian Manitoulin Dolomite and Cabothead Shale subcrop below the glacial drift. The Manitoulin could be used for stone. Gravel pits are not located in the area, but there may be some potential. There is no commercial oil and gas production in the UP, but a new location was staked three miles to the southwest.

**Vehicle Access:**

The Low High Rollways Road travels throughout the majority of the compartment. There is good vehicle access throughout the entire compartment, and almost every location in the compartment is within ¼ mile of a forest road that can be driven by a 2-wheel drive vehicle.

**Survey Needs:**

survey work needed

**Recreational Facilities and Opportunities:**

There are no recreational facilities within this compartment. A snowmobile trail travels east/west through a portion of the compartment.

**Fire Protection:**

Response time to fires within this compartment will be fast. A well established road system will make fire operations easier within the compartment. This compartment has no water source, however the Manistique River is within ¼ mile of the southern compartment boundary. This compartment and adjacent compartments are almost entirely upland with surface fuels consisting of primarily grass and pine litter. There are currently prescriptions on the grass openings which will use prescribed burning as an opening maintenance tool.

**Additional Compartment Information:**

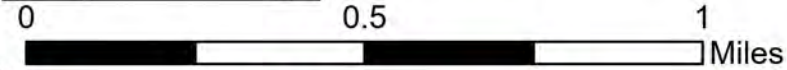
The following reports from the Inventory are attached:









































- 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

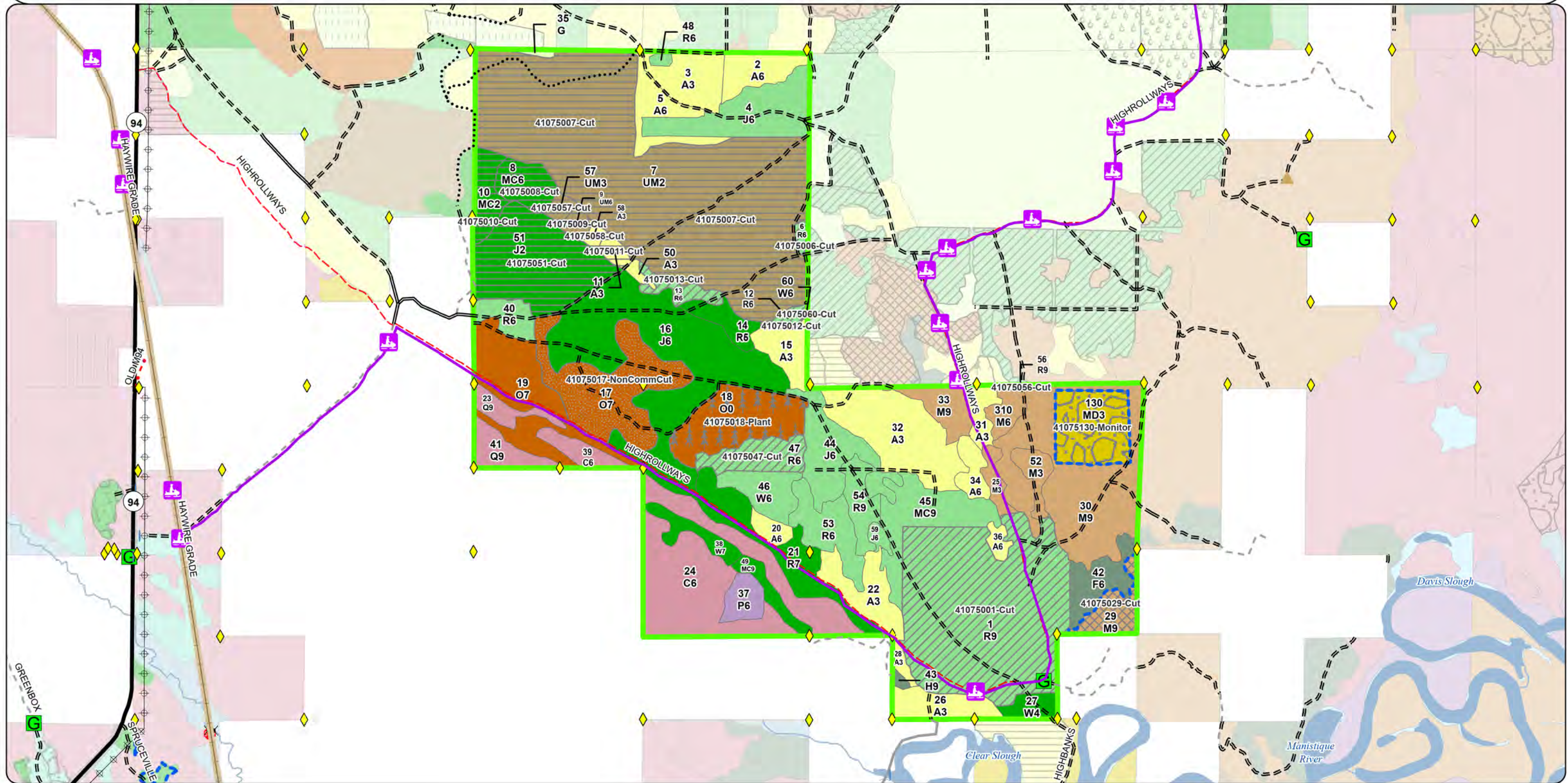
The following information is displayed, where pertinent, on the attached compartment maps:

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



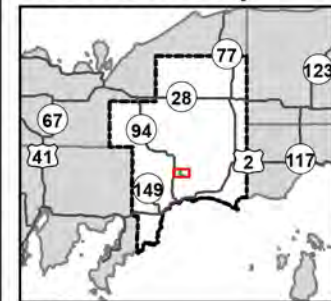


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|---|------------------------------|---|-------------------------------|---|-------------------------|---|---------------------------------|---|---------------------------------|
|    | Survey Grade Corners         |    | DNR - Primary Forest Road     |    | DNR - Management Access |    | Thinning                        |    | 419 - Mixed Upland Deciduous    |
|    | Berms                        |    | DNR - Secondary Forest Road   |    | Perennial River         |    | Planting (tree species)         |    | 421 - Planted Pines             |
|   | Gate                         |   | DNR - Forest Access Route     |   | Powerline               |   | Non-Comm. Tree Cutting          |   | 422 - Natural Pines             |
|  | Bridges                      |  | Federal / State Highway       |  | Lakes and Rivers        |  | Monitoring - Regeneration       |  | 423 - Other Upland Conifers     |
|  | Culvert                      |  | County - Gravel Road          |  | Counties                |  | Treatments with Site Conditions |  | 430 - Upland Mixed Forest       |
|  | Sign                         |  | County - Dirt Road (Seasonal) |  | Compartment Boundary    |  | 411 - Northern Hardwood         |  | 611 - Lowland Deciduous Forest  |
|  | Designated ORV Routes        |  | Private - Paved Road          |  | Clearcut                |  | 412 - Oak Types                 |  | 612 - Lowland Coniferous Forest |
|  | Designated Snowmobile Trails |  | Private - Dirt / Gravel Road  |  | Selection               |  | 413 - Aspen                     |  | 310 - Herbaceous Openland       |





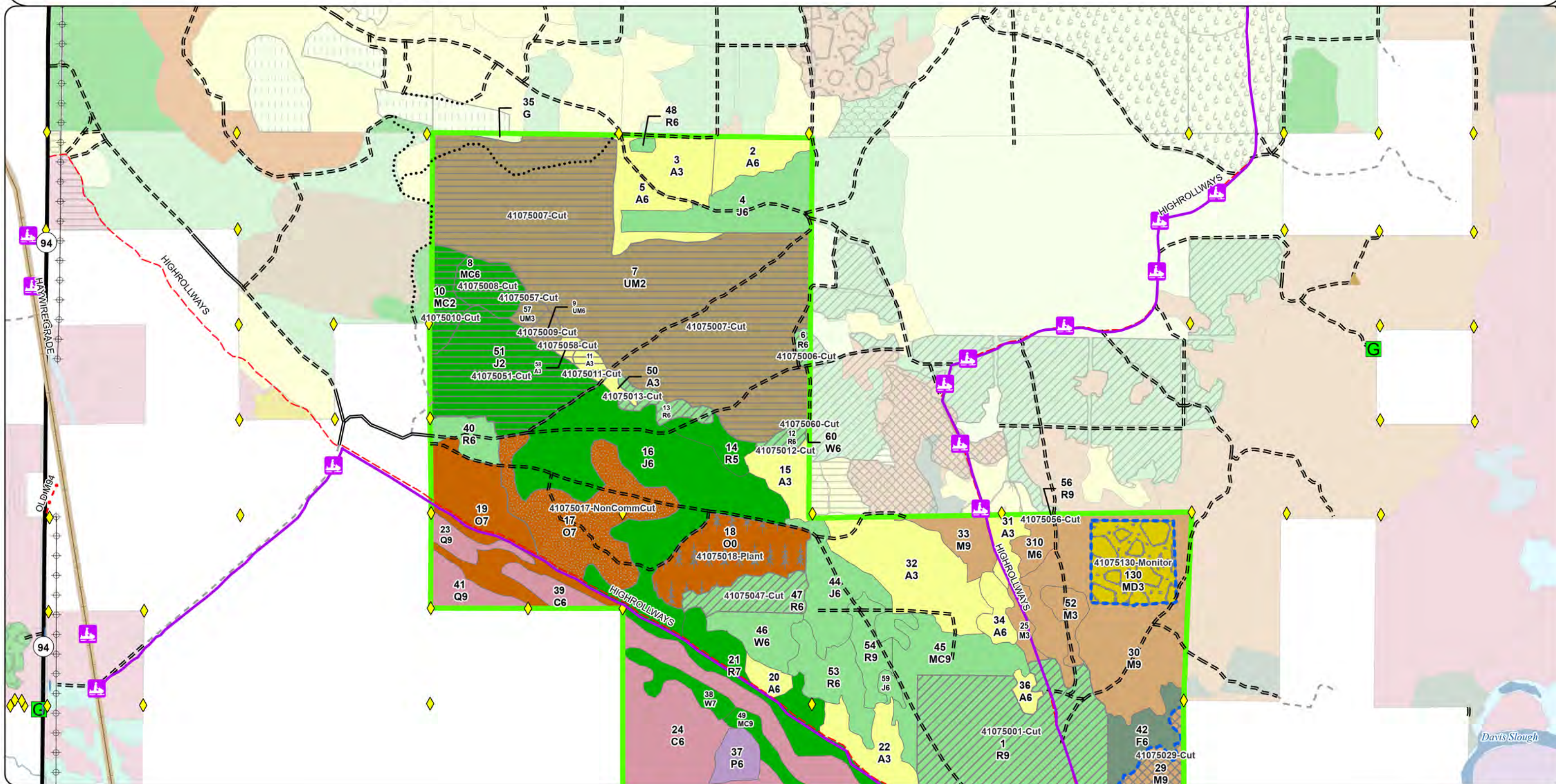
# Cover Type & Treatments Map



Compartment: 41075  
T42N, R15W, Sec: 6-8  
County: Schoolcraft  
Unit: Shingleton  
Mgmt. Area: Seney Lake Plain  
YOE: 2027  
Acres: 1,524 GIS Calculated  
Examiner: Adam Petrelus  
Date Exported: 07/30/2025  
Map Phase: Web Post

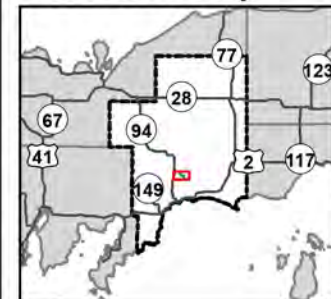
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|--|--|---|---|
| <ul style="list-style-type: none"> <li>Survey Grade Corners</li> <li>Berms</li> <li>Gate</li> <li>Culvert</li> <li>Designated ORV Routes</li> <li>Designated Snowmobile Trails</li> <li>DNR - Primary Forest Road</li> </ul> | <ul style="list-style-type: none"> <li>DNR - Secondary Forest Road</li> <li>DNR - Forest Access Route</li> <li>Federal / State Highway</li> <li>County - Gravel Road</li> <li>County - Dirt Road (Seasonal)</li> <li>Private - Dirt / Gravel Road</li> <li>DNR - Management Access</li> <li>Perennial River</li> </ul> | <ul style="list-style-type: none"> <li>Powerline</li> <li>Lakes and Rivers</li> <li>Counties</li> <li>Compartment Boundary</li> <li>Clearcut</li> <li>Selection</li> <li>Thinning</li> <li>Planting (tree species)</li> </ul> | <ul style="list-style-type: none"> <li>Non-Comm. Tree Cutting</li> <li>Monitoring - Regeneration</li> <li>Treatments with Site Conditions</li> <li>411 - Northern Hardwood</li> <li>412 - Oak Types</li> <li>413 - Aspen</li> <li>419 - Mixed Upland Deciduous</li> <li>421 - Planted Pines</li> <li>422 - Natural Pines</li> <li>423 - Other Upland Conifers</li> <li>430 - Upland Mixed Forest</li> <li>611 - Lowland Deciduous Forest</li> <li>612 - Lowland Coniferous Forest</li> <li>310 - Herbaceous Openland</li> </ul> |
|--|--|---|---|





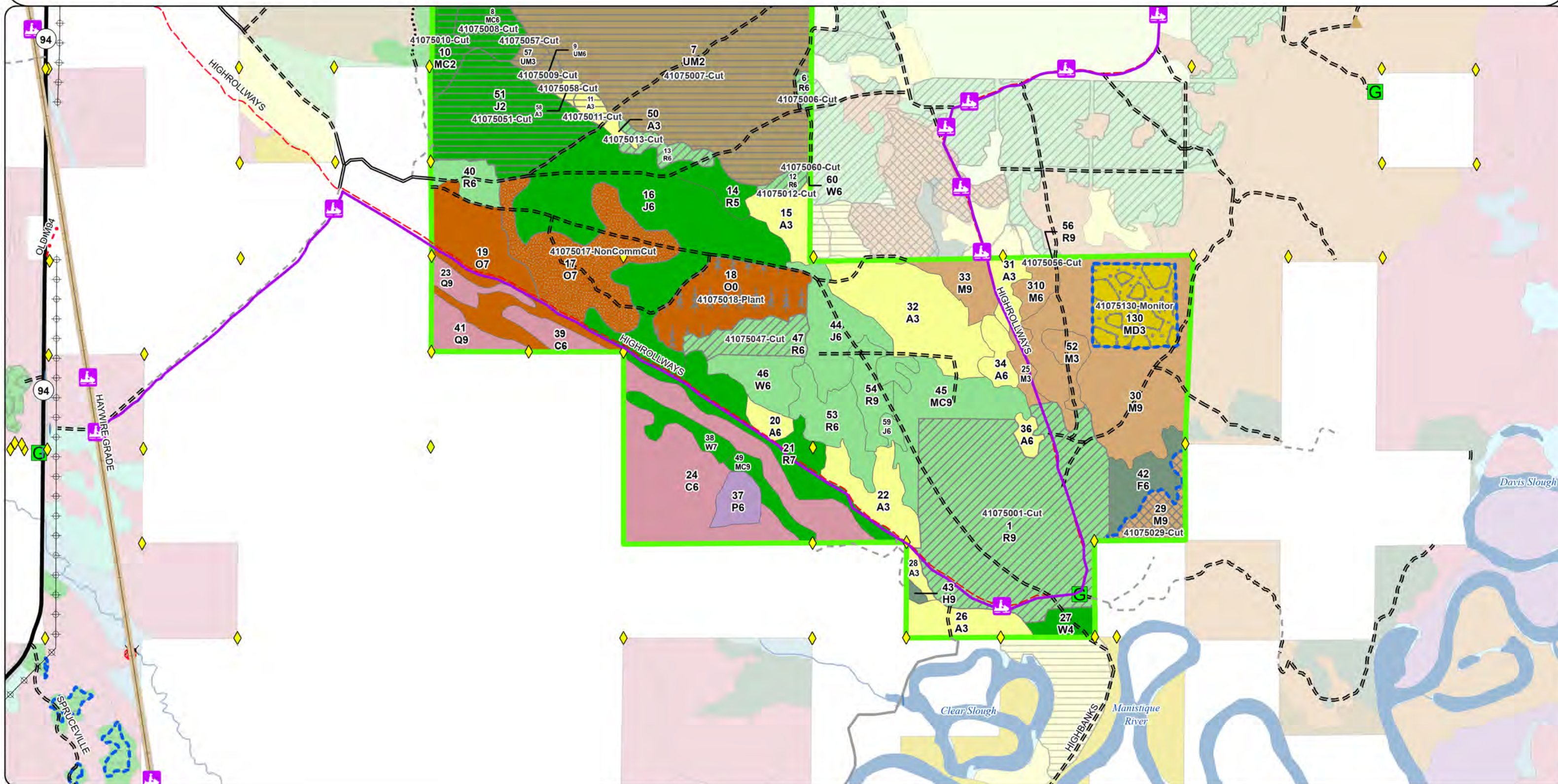
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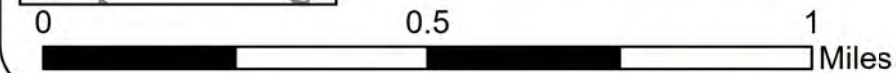
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













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- Survey Grade Corners
- Berms
- Gate
- Bridges
- Culvert
- Sign
- Designated ORV Routes
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
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- DNR - Management Access
- Perennial River
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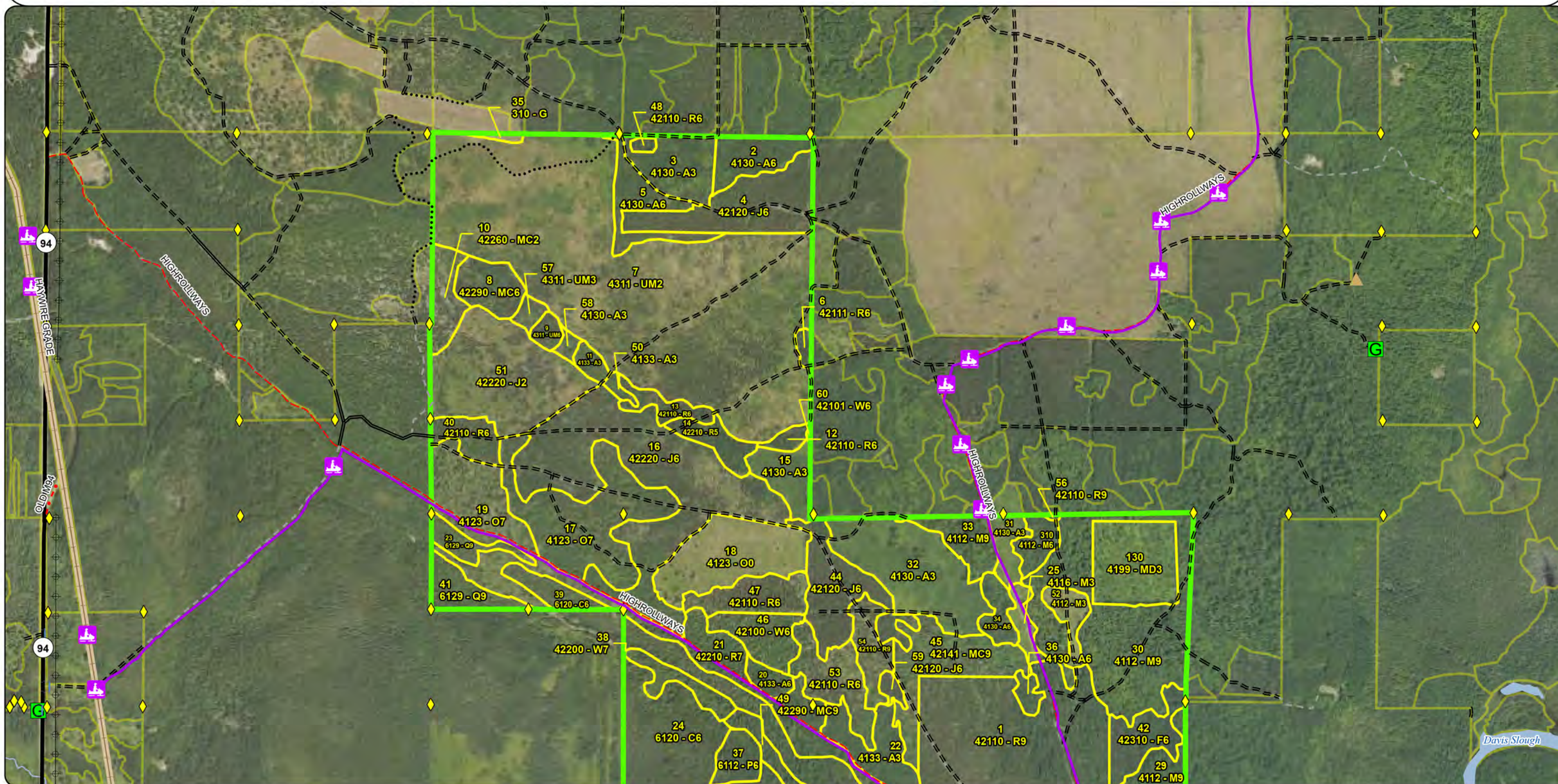






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|---|------------------------------|---|-------------------------------|---|------------------------------|
|    | Survey Grade Corners         |    | DNR - Secondary Forest Road   |    | Powerline                    |
|    | Berms                        |    | DNR - Forest Access Route     |    | Lakes and Rivers             |
|  | Gate                         |  | Federal / State Highway       |  | Counties                     |
|  | Culvert                      |  | County - Gravel Road          |  | Compartment Boundary         |
|  | Designated ORV Routes        |  | County - Dirt Road (Seasonal) |   | 411 - Northern Hardwood      |
|  | Designated Snowmobile Trails |  | Private - Dirt / Gravel Road  |   | 412 - Oak Types              |
|  | DNR - Primary Forest Road    |  | DNR - Management Access       |   | 413 - Aspen                  |
|   |                              |  | Perennial River               |   | 419 - Mixed Upland Deciduous |

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310 - Herbaceous Openland





# Stand Boundary Map

Compartment: 41075  
T42N, R15W, Sec: 6-8  
County: Schoolcraft  
Unit: Shingleton  
Mgmt. Area: Seney Lake Plain  
YOE: 2027  
Acres: 1,524 GIS Calculated  
Examiner: Adam Petrelius  
Date Exported: 07/30/2025  
Map Phase: Web Post



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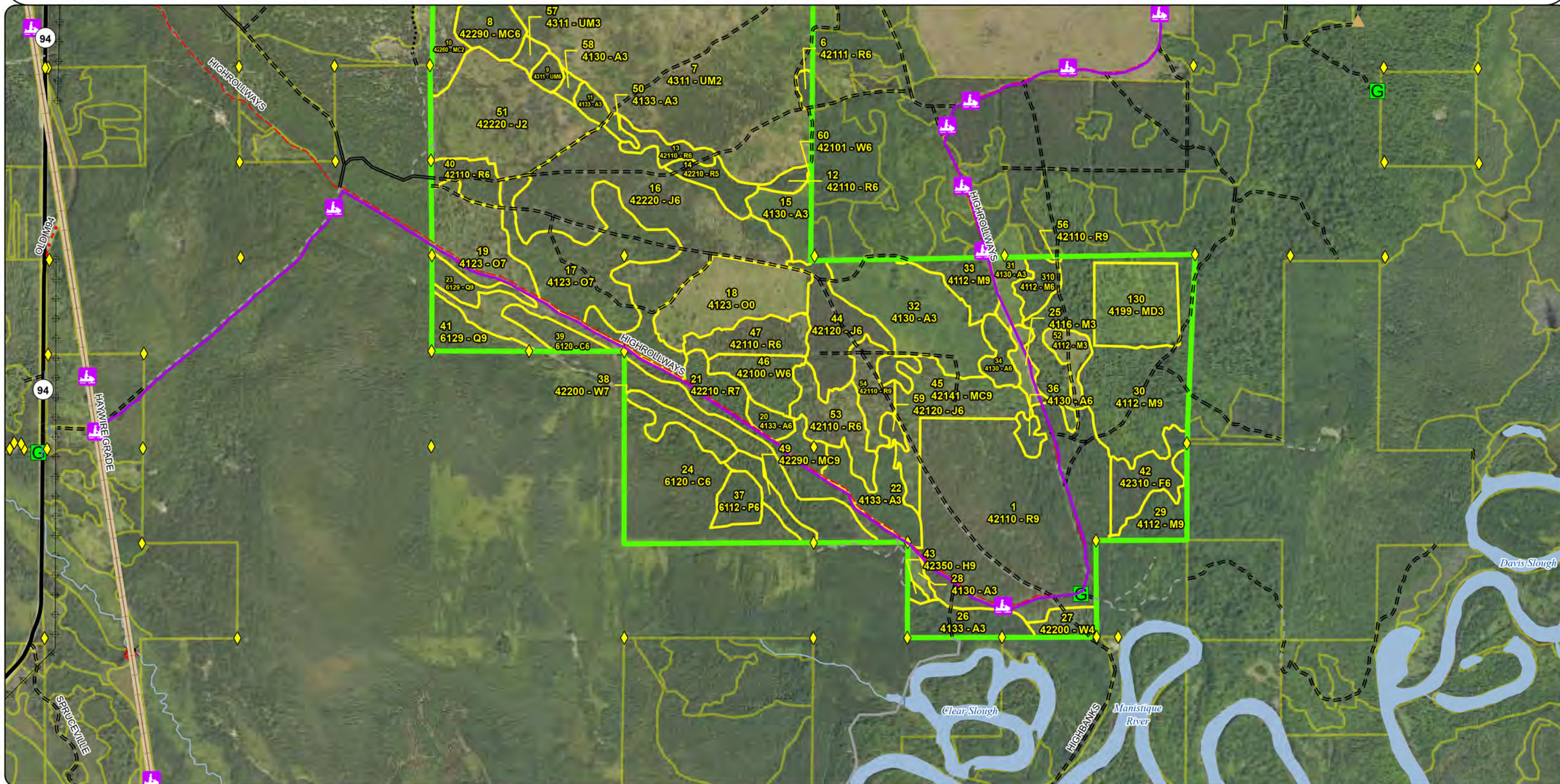
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- Sign

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- DNR - Primary Forest Road
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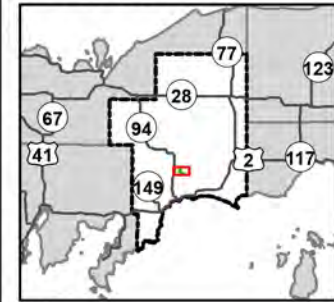
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# Special Conservation Areas & Site Conditions Map

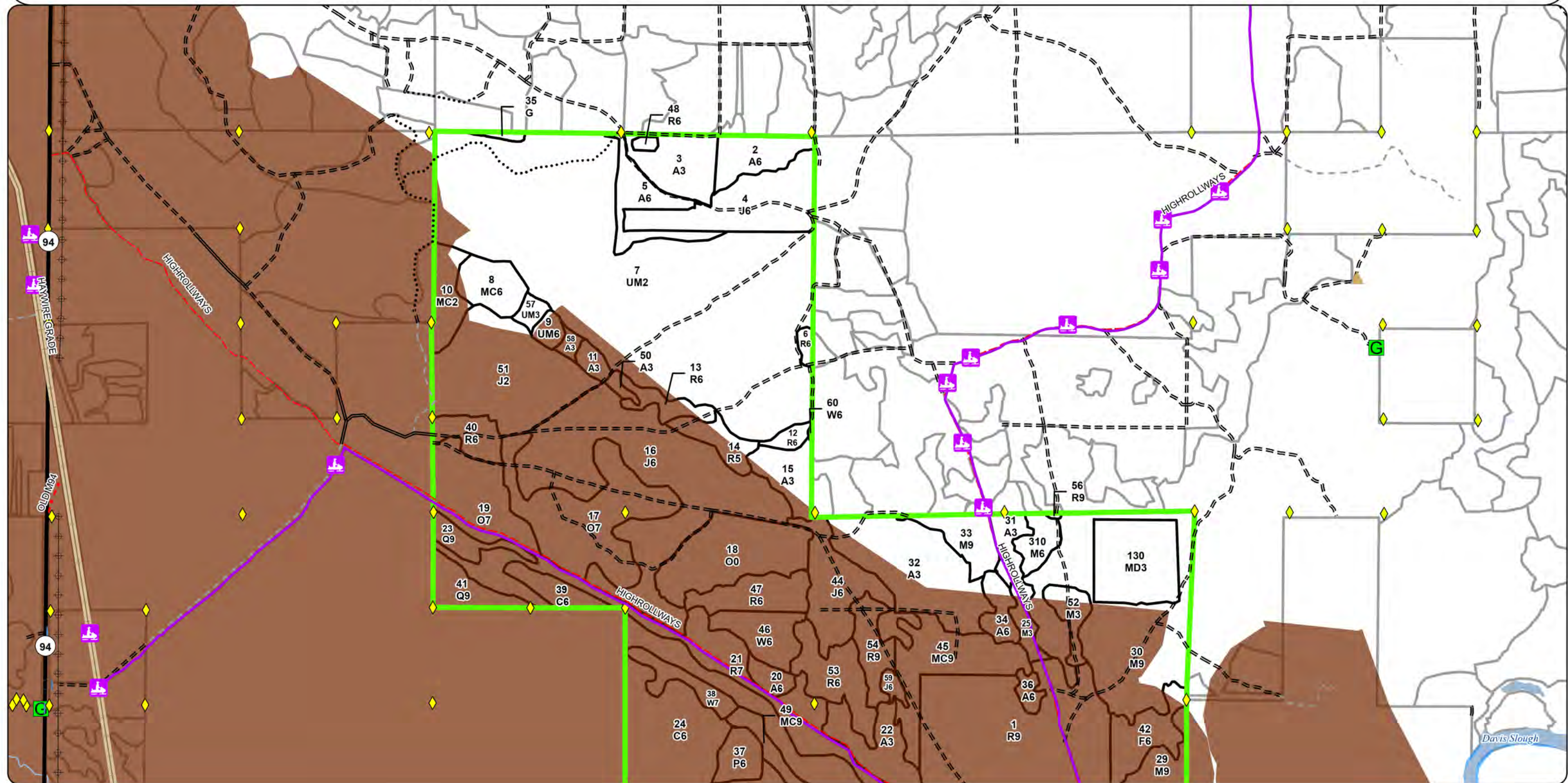


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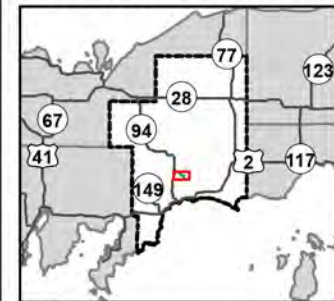
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- |                              |                               |                              |                                   |
|------------------------------|-------------------------------|------------------------------|-----------------------------------|
| Survey Grade Corners         | DNR - Primary Forest Road     | Private - Dirt / Gravel Road | Compartment Boundary              |
| Berms                        | DNR - Secondary Forest Road   | DNR - Management Access      | Stand Boundaries                  |
| Gate                         | DNR - Forest Access Route     | Perennial River              | Cold Water Streams                |
| Culvert                      | Federal / State Highway       | Powerline                    | High Priority Trout Stream Buffer |
| Designated ORV Routes        | County - Gravel Road          | Lakes and Rivers             | Deer Winter Range                 |
| Designated Snowmobile Trails | County - Dirt Road (Seasonal) | Counties                     |                                   |





# Special Conservation Areas & Site Conditions Map



Compartment: 41075  
T42N, R15W, Sec: 6-8  
County: Schoolcraft  
Unit: Shingleton  
Mgmt. Area: Seney Lake Plain  
YOE: 2027  
Acres: 1,524 GIS Calculated  
Examiner: Adam Petrelus  
Date Exported: 07/30/2025  
Map Phase: Web Post



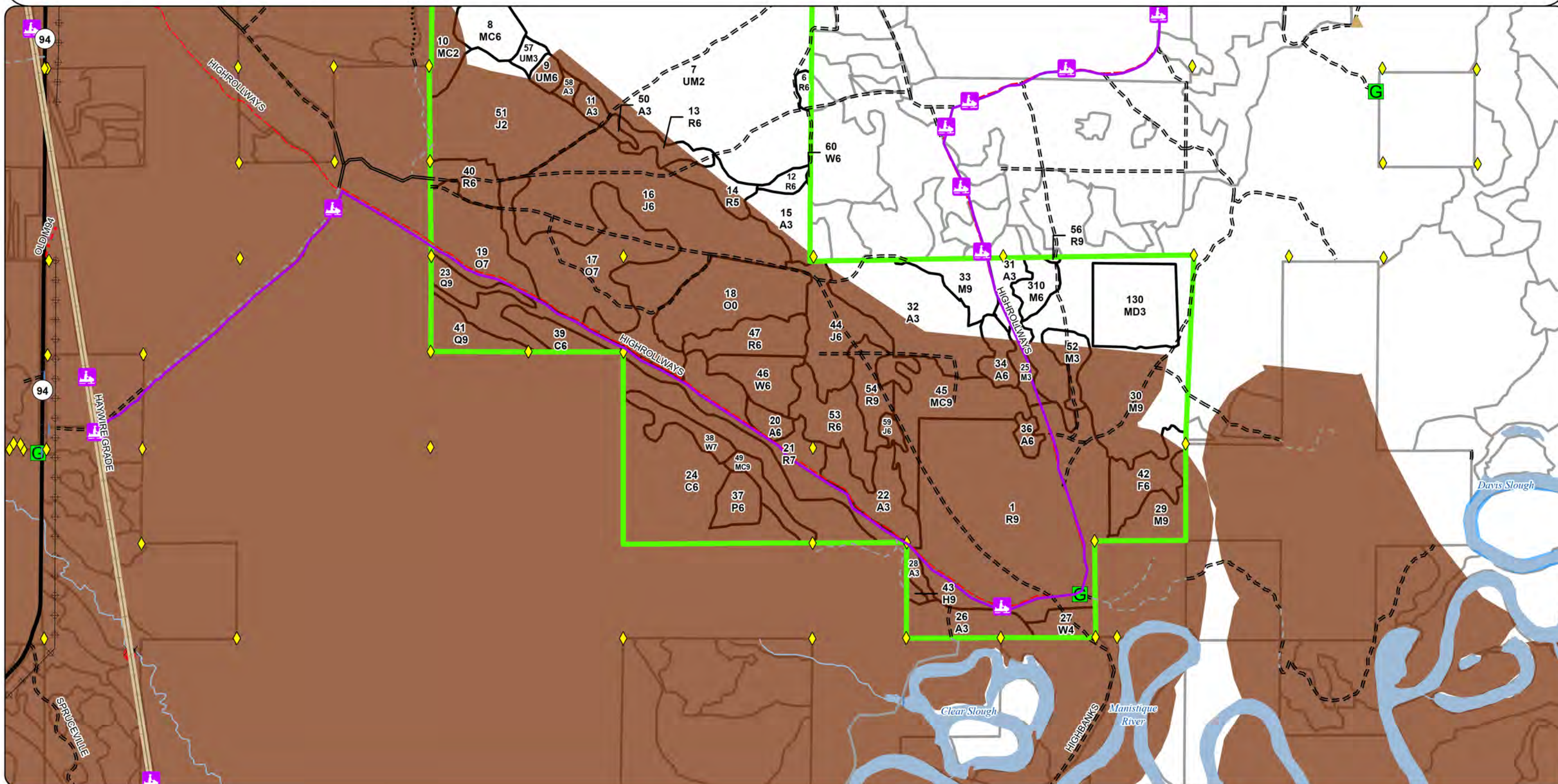
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- Berms
- Gate
- Bridges
- Culvert
- Sign

- Designated ORV Routes
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- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range





## Report 1 – Total Acres by Cover Type and Age Class

Adam Petrelius: 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	79	16	43	49	0	0	0	0	0	0	0	0	0	0	0	0	0	187
Cedar	0	0	0	0	0	0	0	0	0	0	9	86	0	0	0	0	0	0	95
Hemlock	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	0	0	59	103	0	70	0	0	0	0	0	0	0	0	0	0	0	232
Lowland Aspen/Balsam Poplar	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	20
Mixed Upland Deciduous	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Natural Mixed Pines	0	0	0	0	13	0	0	14	0	0	0	8	0	0	0	0	0	0	35
Northern Hardwood	0	14	0	0	0	8	0	0	0	0	106	0	0	0	0	0	0	0	128
Oak	38	0	0	0	0	0	0	0	0	0	54	46	0	0	0	0	0	0	138
Planted Mixed Pines	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	33
Red Pine	0	0	0	0	0	0	42	32	166	34	0	0	0	0	0	0	0	0	274
Upland Mixed Forest	0	0	0	284	0	0	0	4	0	0	0	0	0	0	0	0	0	0	288
Upland Spruce/Fir	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	18
White Pine	0	0	0	0	0	0	16	8	0	0	0	0	10	0	0	0	0	0	34
<b>Total</b>	<b>40</b>	<b>124</b>	<b>16</b>	<b>386</b>	<b>165</b>	<b>17</b>	<b>128</b>	<b>76</b>	<b>199</b>	<b>34</b>	<b>190</b>	<b>140</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1525</b>





## Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 75

Total Compartment Acres: 1,524

Commercial Harvest - 1704  
Harvests with Site Condition - 26  
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	6	0	0	0	0	0	0	0	0	6
Jack Pine	59	0	0	0	0	0	0	0	0	59
Natural Mixed Pines	27	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	13	0	0	0	0	0	0	0	13
Red Pine	0	0	0	0	0	184	0	0	0	184
Upland Mixed Forest	288	0	0	0	0	0	0	0	0	288
White Pine	0	0	0	0	0	0	0	0	0	0
Total	380	13	0	0	0	184	0	0	0	577

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	577	0	38	0	0	0	31	0	0	701
Next Step	0	0	38	0	380	380	431	0	0	1230
Total	577	0	76	0	380	380	463	0	0	1931





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:**

1	41075001-Cut	152.9	42110 - Planted Red Pine	9	72	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
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Prescription Thin to 120. Avoid harvesting oak unless needed for operability.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

7	41075007-Cut	280.7	4311 - Pine, Aspen Mix	2	28	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Cut all species over 15 feet tall except oak.

Specs:

Next Step Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Burn, Opening

Treatments:

Acceptable Goal is open land. Regeneration is not desired.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

8	41075008-Cut	13.9	42290 - Natural Mixed Pine	6	60	81-110	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Cut all species over 15 feet tall except oak.

Specs:

Next Step Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Burn, Opening

Treatments:

Acceptable Goal is open land. Regeneration is not desired.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026





Standard

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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9	41075009-Cut	3.8	4311 - Pine, Aspen Mix	6	60	81-110	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Cut all species over 15 feet tall except oak.

Specs:

Next Step Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Burn, Opening

Treatments:

Acceptable Goal is open land. Regeneration is not desired.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

10	41075010-Cut	12.8	42260 - Natural Pine, Mixed Deciduous	2	33	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Cut all species over 15 feet tall except oak.

Specs:

Next Step Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Burn, Opening

Treatments:

Acceptable Goal is open land. Regeneration is not desired.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

11	41075011-Cut	3.9	4133 - Aspen, Mixed Pine	3	4	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Cut all species over 15 feet tall except oak.

Specs:

Next Step Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Burn, Opening

Treatments:

Acceptable Goal is open land. Regeneration is not desired.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026





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
12	41075012-Cut	3.5	42110 - Planted Red Pine	6	61	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin to 120 basal area. Leave oak unless needed to be removed for operability. <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											
13	41075013-Cut	7.8	42110 - Planted Red Pine	6	60	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin to 120. Leave oak unless needed to be removed for operability. <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											
17	41075017- NonCommCut	54.3	4123 - Red Oak	7	95	51-80	Non-Comm. Tree Cutting	Non-Comm. Tree Cutting	4123 - Red Oak	Planting Record	No
<u>Prescription</u> Promote oak recruitment through removal of competing species. Species may be determined by wildlife division, but are predominantly white <u>Specs:</u> pine, red pine, and jack pine. <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											
18	41075018- Plant	38.2	4123 - Red Oak	0	1	1-50	Planting	Planting (tree species)	412 - Oak Types	Planting Record	No
<u>Prescription</u> Plant oak according to WLD specifications <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Replant <u>Treatments:</u> <u>Acceptable</u> Goal is habitat management. Oak will be planted and monitored for success. Any combination of oak, mixed deciduous, conifer, and open <u>Regen:</u> land is acceptable. <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
<b>29 41075029-Cut</b>	13.1	4112 - Maple, Beech, Cherry Association	9	90	111-140	Harvest	Selection	411 - Northern Hardwood	Planting Record	No
<u>Prescription</u> Target residual basal area outside of gaps is 80 sq. ft. Install regeneration gaps in accordance to hardwood management guidance. Restrict harvest to October 1 - March 31 for deeryard management. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mixed deciduous and conifer trees <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										
<b>47 41075047-Cut</b>	17.1	42110 - Planted Red Pine	6	58	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin to 120. Avoid harvesting oak unless needed for operability. <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										
<b>51 41075051-Cut</b>	59.3	42220 - Natural Jack Pine	2	28	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut all species over 15 feet tall except oak. <u>Specs:</u> <u>Next Step</u> Pesticide, Aerial - Site Prep; Burn, Opening; Monitoring, Herbicide Use <u>Treatments:</u> <u>Acceptable</u> Goal is open land management and regeneration is not desired. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										





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
57	41075057-Cut	3.4	4311 - Pine, Aspen Mix	3	25	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut all species over 15 feet tall except oak. <u>Specs:</u> <u>Next Step</u> Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Burn, Opening <u>Treatments:</u> <u>Acceptable</u> Goal is open land. Regeneration is not desired. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
58	41075058-Cut	2.3	4130 - Aspen	3	25	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut all species over 15 feet tall except oak. <u>Specs:</u> <u>Next Step</u> Pesticide, Aerial - Site Prep; Monitoring, Herbicide Use; Burn, Prescribed Fire <u>Treatments:</u> <u>Acceptable</u> Goal is open land. Regeneration is not desired. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
130	41075130- Monitor	31.2	4199 - Other Mixed Upland Deciduous	3	7	1-50	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Planting Record	No
<u>Prescription</u> Walters regeneration monitoring project <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> any species present <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Research Study <u>Proposed Start Date:</u> 10/01/2026											

**Approved Treatments:**

6	41075006-Cut	2.1	42111 - Planted Red Pine, Mixed Deciduous	6	53	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin from below. Target residual BA of 120. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u>											





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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Site Condition:

Proposed Start Date: 10/01/2023

56	41075056-Cut	0.4	42110 - Planted Red Pine	9	65	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
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Prescription Thin stand to improve spacing for red pine growth. Residual basal area will be around 120. Some areas may be lower than 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2023

60	41075060-Cut	0.2	42101 - Planted White Pine, Mixed Deciduous	6	65	51-80	Harvest	Thinning	4210 - Planted White Pine	Planting Record	No
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Prescription Within areas with well-defined rows, cut every third row of white pine. In areas with non-existent rows or low white pine basal area, cut all non-pine species. Do not cut oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2023

**Total Treatment** 700.9  
**Acreage Proposed:**



# Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius: Examiner

Compartment: 75  
Year of Entry: 2027



## Availability for Management

Total Acres	Acres Available	Acres Available <i>With Condition</i>	Acres Not Available	Dominant Site Conditions			
				2I	5B	5G	3H
187	187	0	0	Aspen			
94	0	0	95	Cedar			95
1	0	0	1	Hemlock			1
2	2	0	0	Herbaceous Openland			
232	199	33	0	Jack Pine		33	
9	9	0	0	Lowland Aspen/Balsam Poplar			
20	0	0	20	Lowland Conifers			20
31	0	31	0	Mixed Upland Deciduous		31	
34	35	0	0	Natural Mixed Pines			
129	116	13	0	Northern Hardwood	13		
138	138	0	0	Oak			
33	33	0	0	Planted Mixed Pines			
274	275	0	0	Red Pine			
288	288	0	0	Upland Mixed Forest			
18	0	18	0	Upland Spruce/Fir		18	
33	33	0	0	White Pine			
1,524	1,313	95	116	Total Forested Acres	13	51	31
	86%	6%	8%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		3H: Deer Wintering Area - habitat is incompatible with harvest at this time	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								



## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius: Examiner

Compartment: 75  
Year of Entry: 2027



2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	86	Unspecified	Unspecified	Unspecified	Unspecified
Comments: There may be some areas that are operable and could be harvested next YOE with adjacent pine and P cover types. Harvesting is delayed to occur together due to potential creek crossing.							
6	Available	5B: Maintain for regeneration purposes	31	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments: Convert to red pine next year of entry when adjacent stands are final harvested.							
7	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Convert to red pine next year of entry when adjacent red pine stands are final harvested							
8	Available	5B: Maintain for regeneration purposes	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Convert to red pine next year of entry if adjacent stand is final harvested.							



# Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius: Examiner

Compartment: 75  
Year of Entry: 2027



9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5G: Research Study	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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																																						
1	42110 - Planted Red Pine	Sawtimber Well	153.0	72	111-140	N/A	12/6/2021: Stand was cut as part of Break Up Land Sale #41-025-17.																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Red Pine</td><td>95</td><td></td><td>11</td><td>72</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	5		10		Red Pine	95		11	72	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	5 - 10 feet	5 - 10 feet	Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet														
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Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet																																										
2	4130 - Aspen	Poletimber Well	15.2	34	1-50	N/A																																							
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3	4130 - Aspen	Sapling Well	20.4	26	Immature	N/A																																							
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Quaking Aspen	90	Pole	4	26																																									
White Pine	10	Seedling	7																																										
4	42120 - Planted Jack Pine	Poletimber Well	36.5	55	81-110	N/A																																							
<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>80</td><td>Seedling</td><td>8</td><td>55</td></tr><tr><td>Red Pine</td><td>15</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	80	Seedling	8	55	Red Pine	15	Seedling	9		Quaking Aspen	5	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	5 - 10 feet	5 - 10 feet														
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6	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	2.3	53	111-140	N/A																																							
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Sub-Canopy Species	Density	Avg. Height	Size																																										
White Pine	Low	10 - 20 feet	10 - 20 feet																																										
7	4311 - Pine, Aspen Mix	Sapling Medium	280.7	28	1-50	N/A	Burned in 2000. On FTP 1620 already for opening maintenance. Burned 2016. FTP 1620 for next steps in opening maintenance. Long term objective for stand is herbaceous openland.																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Quaking Aspen</td><td>40</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Jack Pine</td><td>50</td><td>Pole</td><td>4</td><td>28</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	5		14		Quaking Aspen	40	Pole	4		Red Oak	5		14		Jack Pine	50	Pole	4	28	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Jack Pine</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	High	5 - 10 feet	5 - 10 feet	Jack Pine	Medium	< 5 feet	< 5 feet	Red Oak	Low	< 5 feet	< 5 feet
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8	42290 - Natural Mixed Pine	Poletimber Well	13.9	60	81-110	N/A																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
9	4311 - Pine, Aspen Mix	Poletimber Well	3.8	60	81-110	N/A																																										
<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>Quaking Aspen</td><td>40</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Jack Pine</td><td>45</td><td>Seedling</td><td>9</td><td>60</td></tr><tr><td>Red Pine</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>12</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5		9		Quaking Aspen	40	Seedling	9		Jack Pine	45	Seedling	9	60	Red Pine	5		12		Red Oak	5		12		<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></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet				
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White Pine	Low	5 - 10 feet	5 - 10 feet																																													
10	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	12.8	33	1-50	N/A	Stand was not burned in 2000 when surrounding stands were.																																									
<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>30</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Red Pine</td><td>10</td><td>Log</td><td>4</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Jack Pine</td><td>50</td><td>Pole</td><td>4</td><td>33</td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>12</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	30	Pole	4		Red Pine	10	Log	4		White Pine	5	Pole	4		Jack Pine	50	Pole	4	33	Red Oak	5		12		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Jack Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet	Jack Pine	Low	5 - 10 feet	5 - 10 feet
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11	4133 - Aspen, Mixed Pine	Sapling Well	4.0	4	1-50	N/A	[1/6/2022 TI] Stand was cut as part of the Break Up Land Sale.																																									
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12	42110 - Planted Red Pine	Poletimber Well	3.5	61	111-140	N/A	Cut in spring 2008 with Wildshot sale. Residual basal area was 80 red pine, 5 aspen, 3 jack pine.																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>100</td><td></td><td>9</td><td>61</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100		9	61	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	High	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet																				
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14	42210 - Natural Red Pine	Poletimber Medium	10.0	61	1-50	N/A	Stand was cut in spring 2008, wild shot sale. 6 acres of TSI work was completed																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>10</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Pine</td><td>90</td><td></td><td>9</td><td>61</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10	Seedling	8		Red Pine	90		9	61	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>High</td><td>&gt;20 feet</td><td>&gt;20 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	High	>20 feet	>20 feet	White Pine	Low	5 - 10 feet	5 - 10 feet															
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15	4130 - Aspen	Sapling Well	13.6	4	1-50	N/A																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
42	42310 - Planted Spruce	Poletimber Well	17.5	64	111-140	N/A	Was decided at 2027 pre-review that this stand should be planted to red pine when adjacent pine plantation is final harvested.																																	
<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>5</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>White Spruce</td><td>90</td><td></td><td>9</td><td>64</td></tr><tr><td>Red Maple</td><td>5</td><td>Seedling</td><td>9</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	5	Seedling	9		White Spruce	90		9	64	Red Maple	5	Seedling	9														
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Quaking Aspen	5	Seedling	9																																					
White Spruce	90		9	64																																				
Red Maple	5	Seedling	9																																					
43	42350 - Upland Hemlock	Sawtimber Well	1.4	91		N/A																																		
<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>20</td><td></td><td>14</td><td></td></tr><tr><td>Northern White Cedar</td><td>30</td><td></td><td>10</td><td></td></tr><tr><td>Hemlock</td><td>50</td><td></td><td>16</td><td>91</td></tr></table>							Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	20		14		Northern White Cedar	30		10		Hemlock	50		16	91														
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Hemlock	50		16	91																																				
44	42120 - Planted Jack Pine	Poletimber Well	30.7	55	81-110	N/A																																		
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45	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	32.6	72	51-80	N/A	[1/13/22 TI] Stand was cut as part of the Break Up Land Sale. TCR Date 6/18/2021																																	
<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></td><td>12</td><td></td></tr><tr><td>Red Pine</td><td>25</td><td></td><td>12</td><td></td></tr><tr><td>White Pine</td><td>45</td><td></td><td>9</td><td>72</td></tr><tr><td>Jack Pine</td><td>5</td><td>Sapling</td><td>7</td><td></td></tr></table>							Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	25		12		Red Pine	25		12		White Pine	45		9	72	Jack Pine	5	Sapling	7		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	10 - 20 feet	10 - 20 feet
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46	42100 - Planted White Pine	Poletimber Well	15.7	58	81-110	N/A	[1/13/22 TI] Stand was cut as part of the Break Up Land Sale. TCR Date 6/18/2021																																	
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47	42110 - Planted Red Pine	Poletimber Well	17.1	58	111-140	N/A	[1/13/22 TI] Stand was cut as part of the Break Up Land Sale. TCR Date 6/18/2021																																	
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48	42110 - Planted Red Pine	Poletimber Well	1.5	58	111-140	N/A	Harvested with Highrollways Treasure in 2021																																	
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