



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32039

Entry Year 2027

Acreage: 2,596

County: Marquette

Management Area: Suomi Till and Outwash Plain

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**Stand Examiner:** Sean Fischer

**Legal Description:**

T45N R26W, Sections 22, 27, and 34

**Identified Planning Goals:**

Planning will focus on integrated timber management, forest recreation, fisheries management, and wildlife habitat management. Increasing public access is a high priority. Forest road maintenance, trespass incidents, forest regeneration, forest health, forest fire control, stream crossings, water quality, and any resource damage issues are critical assessments considered during the forest mapping, inventory, public comment, and forest management planning processes.

**Soil and topography:**

Terrain ranges from fairly level to very steep slopes with high ridges and sinkholes. Soils range from excessively drained sands including Rubicon, Croswell, Munising, and Kalkaska to

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

This compartment can be separated into a northern portion and a smaller southern portion. Access to the southern block is problematic. Other large state parcels surround this compartment except for a few small private parcels. Some seasonal camps are found within this compartment.

**Unique Natural Features:**

Haywire Lake.

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

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

This compartment contains Chandler Brook, Miller Creek and Hay Wire Lake. Chandler Brook and Miller Creek are designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures of 63.3 and 65.2°F (cold streams), respectively. 300-ft buffers are recommended for Chandler Creek and Miller 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 to protect these areas in accordance with Best Management Practices.

Hay Wire Lake is a 12-acre natural inland lake. A minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect inland lake resources in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

This compartment is found within the Suomi Till and Outwash Management Area, on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through underplanting white and red pine. Another priority is to maintain or increase wildlife corridors, especially along riparian corridors. Wildlife management issues in the management area are mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; coarse woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest. The following have been identified as featured species for the Suomi Till and Outwash Management Area: Blackburnian Warbler, Golden-winged Warbler, Kirtland's Warbler, Red Crossbill, Black-backed Woodpecker, Ruffed Grouse, American Marten, White-tailed Deer, Black Bear.

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

Sections 22, 27, & 34, T45N R26W, Marquette County

Surface sediments consist of medium- and coarse-textured glacial till and peak and muck. The glacial drift thickness varies between 100 and 200 feet. Archean granite/gneiss and minor Proterozoic Munising Group subcrop below the glacial drift.

Some of the granite/gneiss has been/could be used as dimension stone. Gravel pits are located in the area (some on State land) and potential is good. Abandoned iron mines are located three miles to the east. This area was previously leased for metallic mineral exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Vehicle access to the center and northern portions of the compartment is very good via Crooked Lake Road, Haywire Lake Road, and numerous forest roads. Vehicle and public access to the south portion of this compartment is poor.

**Survey Needs:**

Survey requests for the establishment of several monuments will be submitted.

**Recreational Facilities and Opportunities:**

This compartment contains a segment of the Bass Lake Motorcycle Trail. ATVs utilize many of the forest roads. Hunting and wildlife observation are important recreational activities. Forest roads in this compartment provide access to Haywire Lake. An informal boat launch allows people to boat and fish on Haywire Lake.

**Fire Protection:**

This compartment has a relatively low risk for wildfire.

**Additional Compartment Information:**

Haywire Lake Road is a DNR maintained road. There are numerous large holes to repair on this road. Keeping this road graded and well-maintained is a difficult task.

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

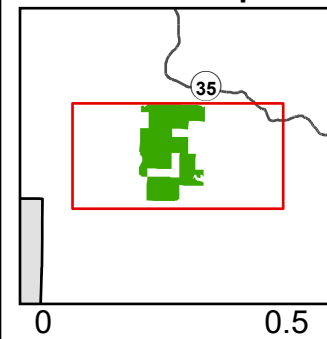
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

**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**

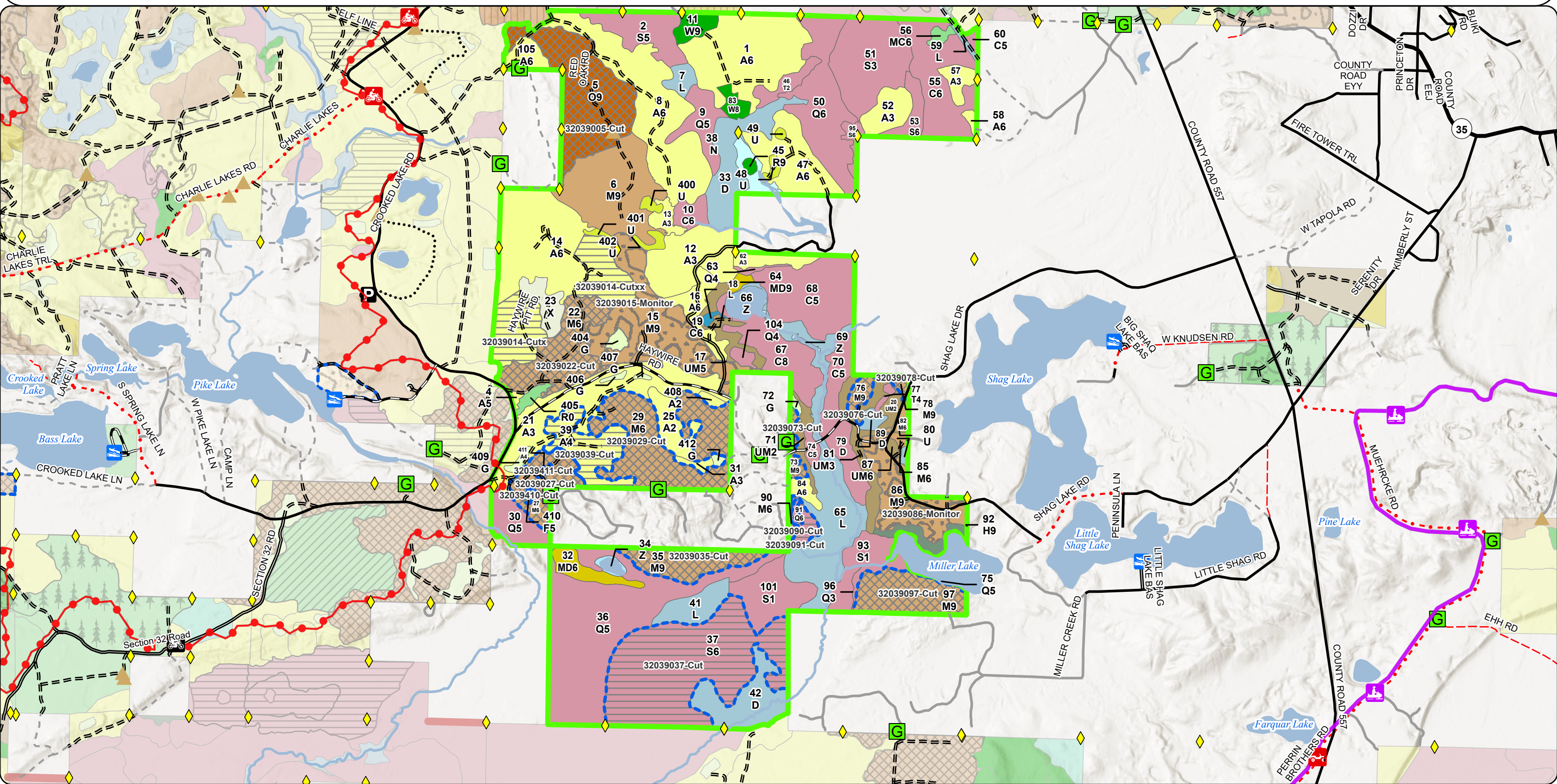


Cover Type & Treatments Map



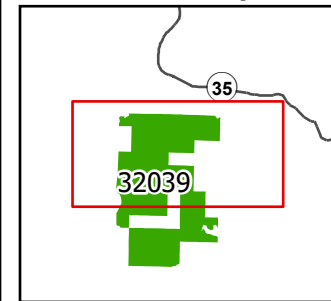
Compartment: 32039  
T45N R26W, Sections 22, 23, 26, 27,  
34 & 35  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Suomi Till and Outwash  
Plain  
YOE: 2027  
Acres: 2,596 GIS Calculated  
Examiner: Sean Fischer  
Date Exported: 12/15/2025  
Map Phase: Post Review

- |                              |                                       |                                 |                                 |                                     |
|------------------------------|---------------------------------------|---------------------------------|---------------------------------|-------------------------------------|
| Survey Grade Corners         | DNR - Primary Forest Road             | DNR - Management Access         | 412 - Oak Types                 | 310 - Herbaceous Openland           |
| Berm                         | DNR - Secondary Forest Road           | Streams                         | 413 - Aspen                     | 330 - Low Density Trees             |
| Gate                         | DNR - Forest Access Route             | Lakes and Rivers                | 419 - Mixed Upland Deciduous    | 622 - Lowland Shrub                 |
| Parking Lot                  | Federal / State Highway               | Compartment Boundary            | 421 - Planted Pines             | 623 - Emergent Wetland              |
| Boating Access Site          | Federal / State / County - Paved Road | Clearcut                        | 422 - Natural Pines             | 629 - Mixed non-forested Wetland    |
| Designated Motorcycle Trails | County - Gravel Road                  | Selection                       | 423 - Other Upland Conifers     | 790 - Other Bare/Sparsely Vegetated |
| Designated Snowmobile        | County - Dirt Road (Seasonal)         | Monitoring - Regeneration       | 430 - Upland Mixed Forest       |                                     |
|                              | Private - Paved Road                  | Treatments with Site Conditions | 500 - Water                     |                                     |
|                              | Private - Dirt / Gravel Road          | 411 - Northern Hardwood         | 612 - Lowland Coniferous Forest |                                     |





# Cover Type & Treatments Map



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0 0.5 1 Miles

Survey Grade Corners

Berm

Gate

Parking Lot

Boating Access Site

Designated Motorcycle Trails

DNR - Primary Forest Road

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Streams

Lakes and Rivers

Compartment Boundary

Clearcut

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Monitoring - Regeneration

Treatments with Site Conditions

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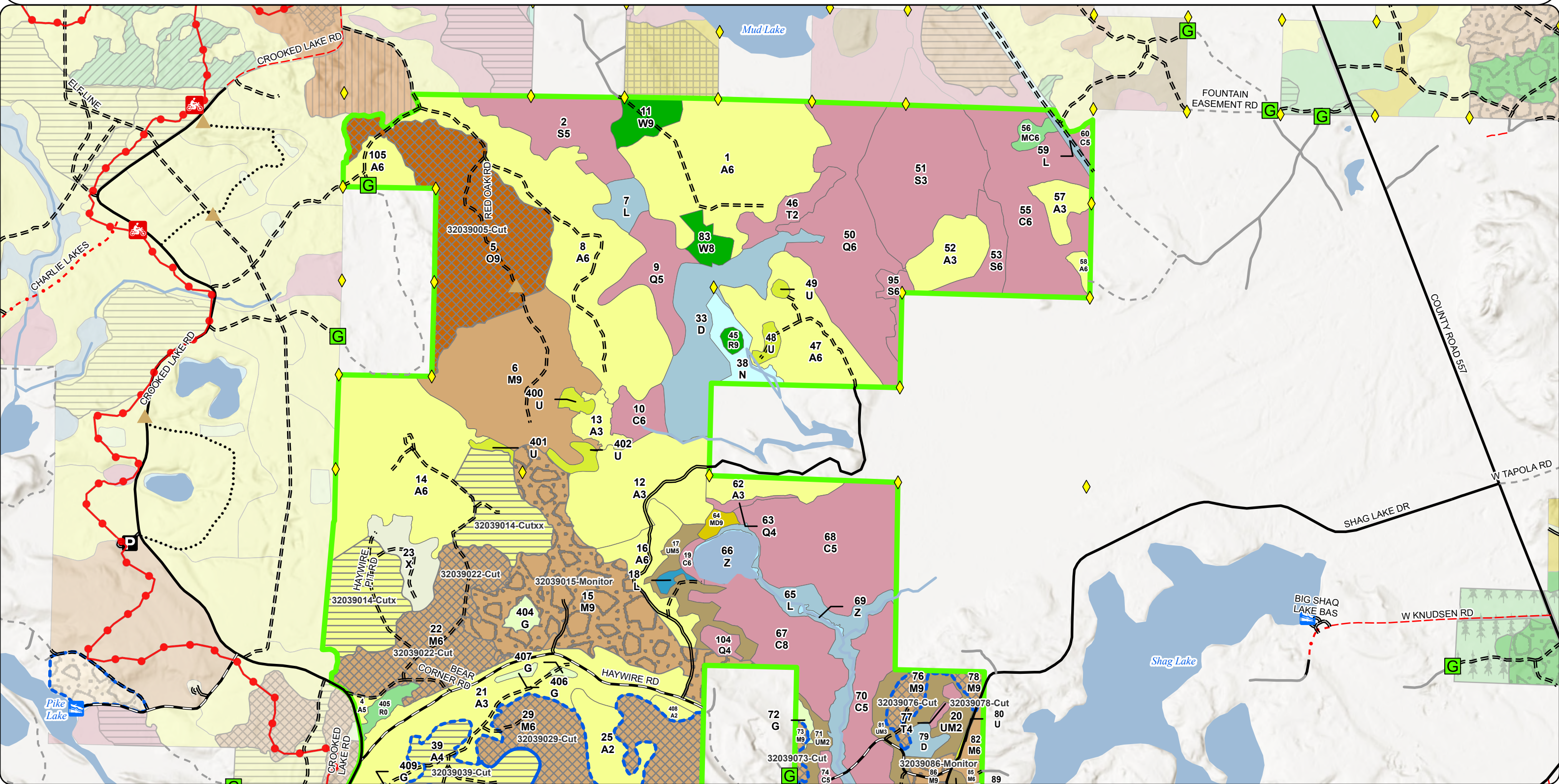
330 - Low Density Trees

622 - Lowland Shrub

623 - Emergent Wetland

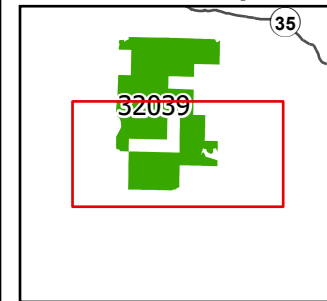
629 - Mixed non-forested Wetland

790 - Other Bare/Sparsely Vegetated





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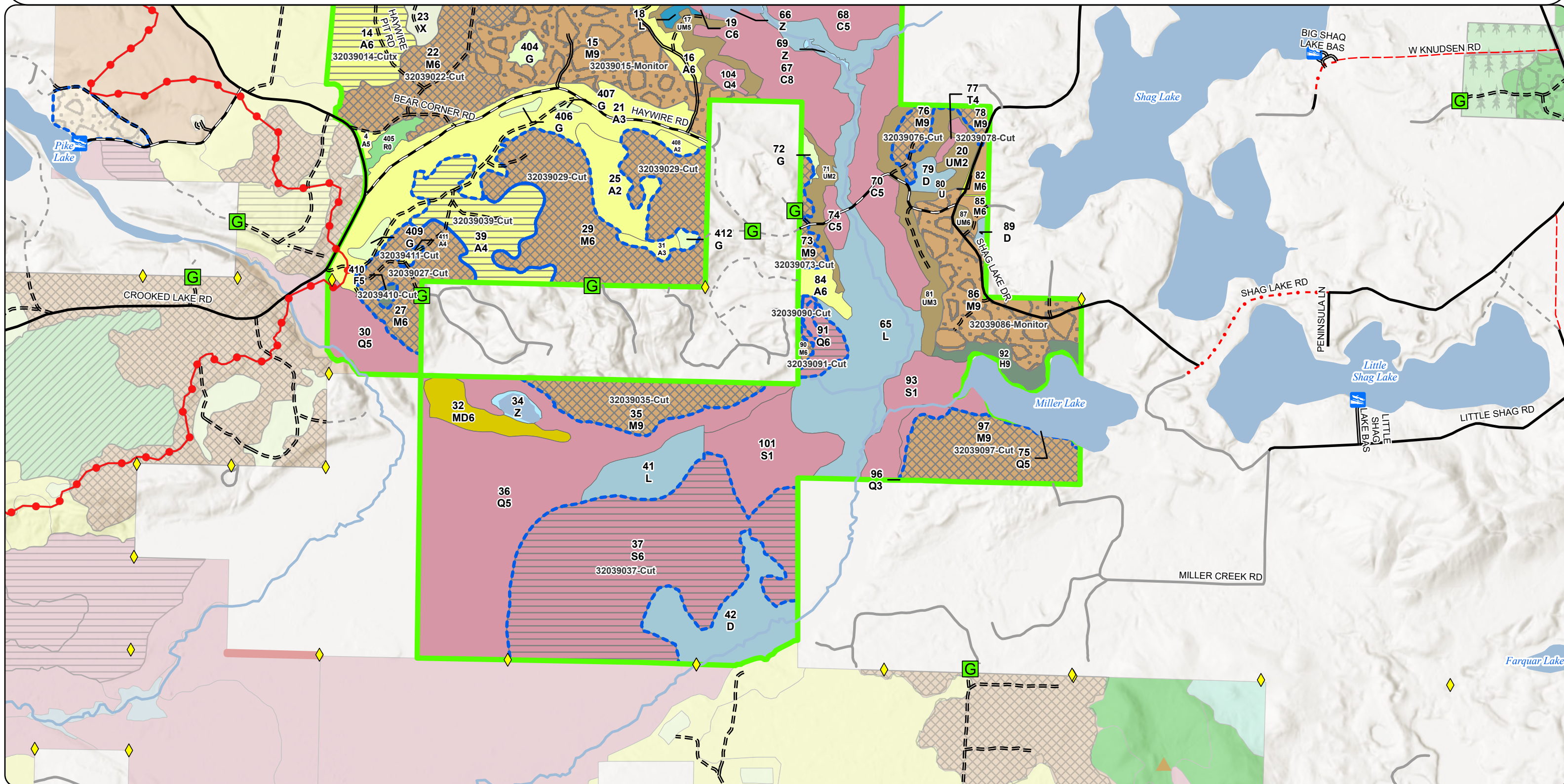
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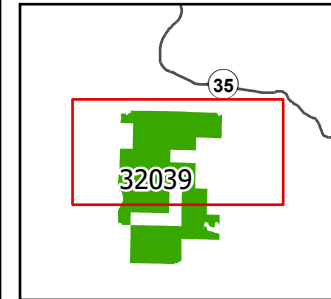
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# Stand Boundary Map



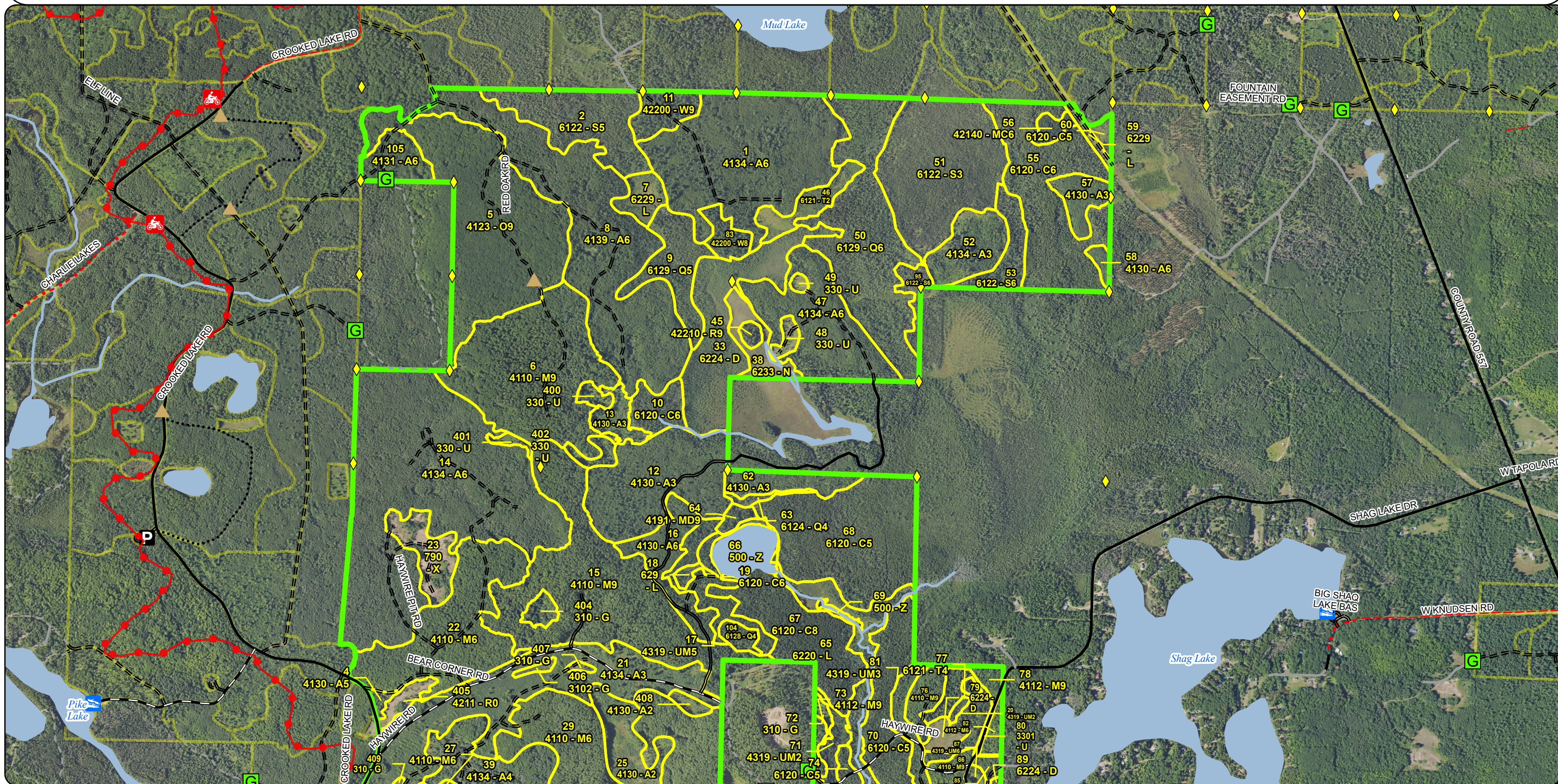
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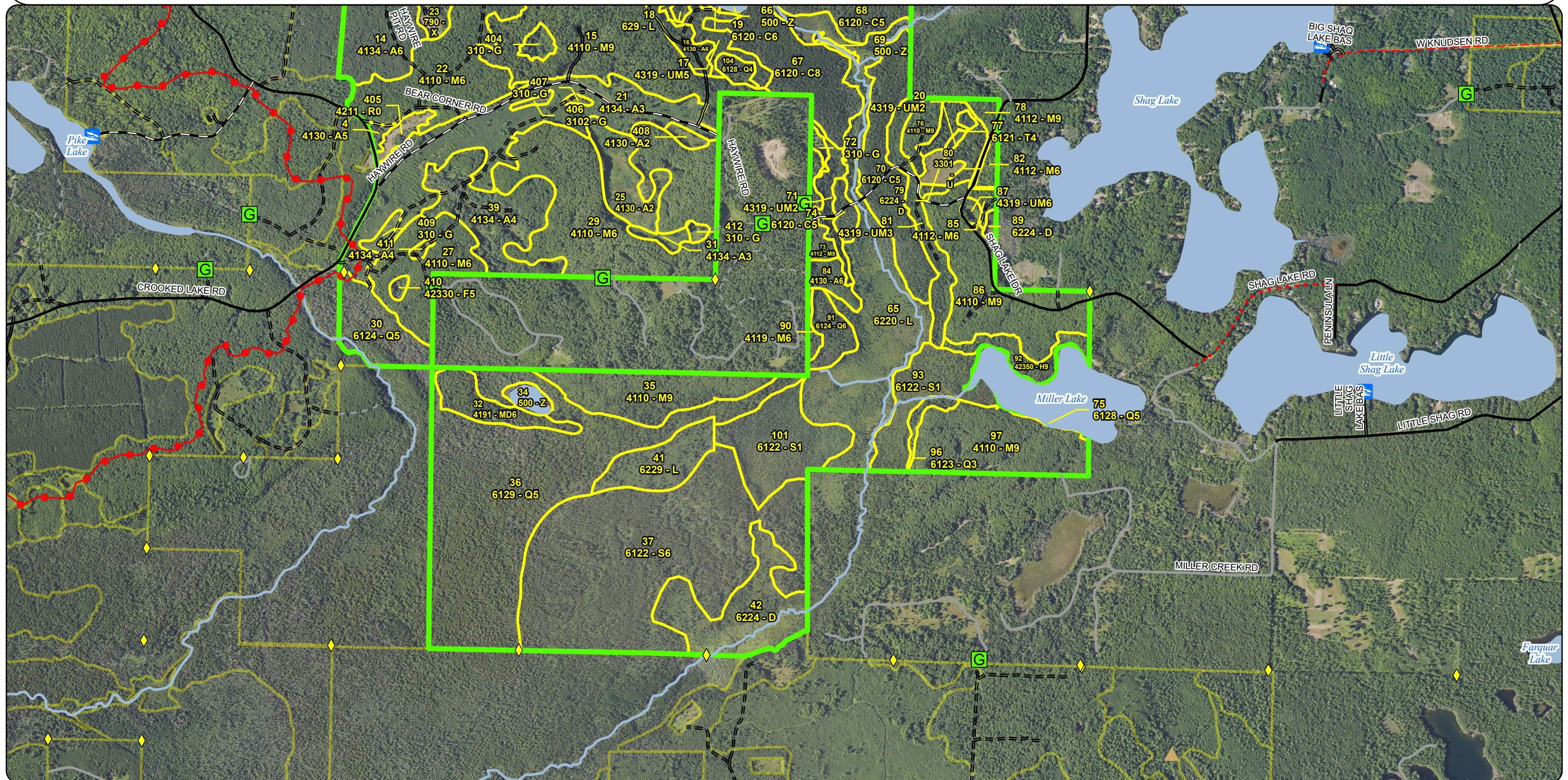
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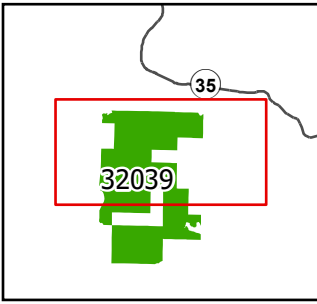
790





# Special Conservation Areas & Site Conditions Map

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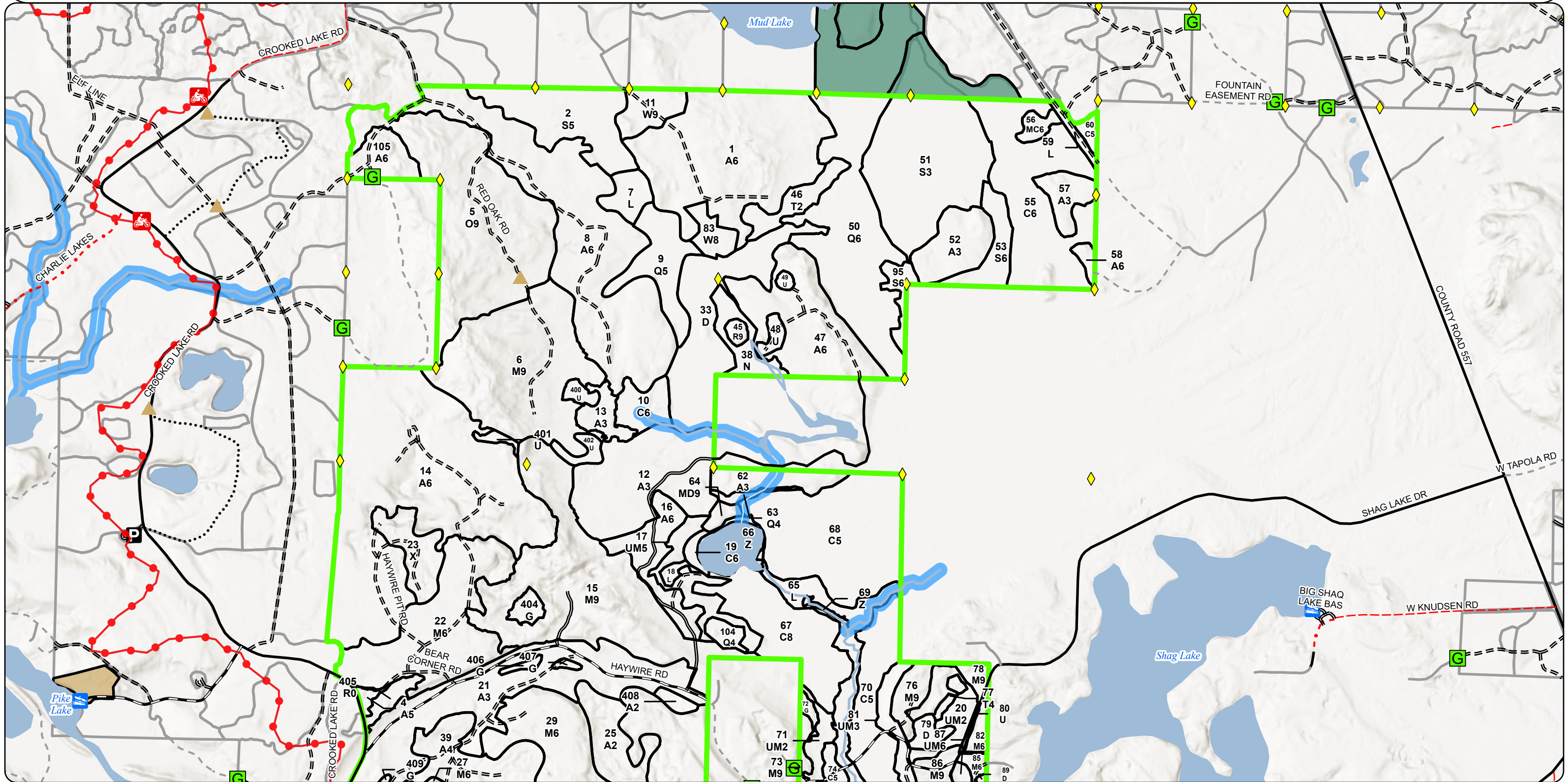


0 0.5 1 Miles

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- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool
- State Forest Campground





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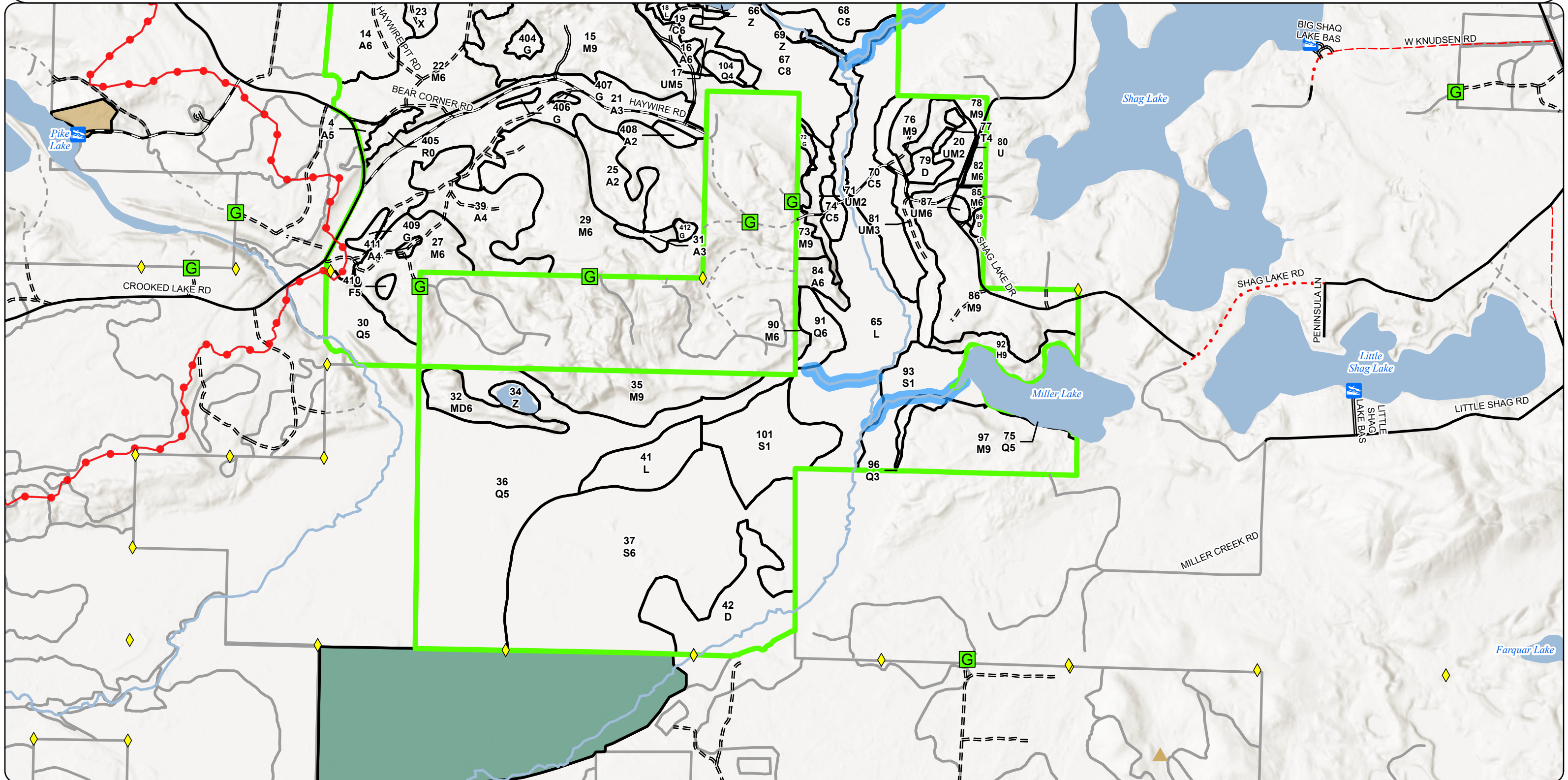


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# Report 1 – Total Acres by Cover Type and Age Class



## 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+	Uneven-Aged	Total
Aspen	0	114	41	154	160	216	1	0	0	0	0	0	0	0	0	0	0	0	686
Bare/Sparsely Vegetated	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Cedar	0	0	0	0	0	0	0	0	0	2	13	0	44	165	0	0	0	0	224
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Low-Density Trees	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Conifers	0	0	0	4	0	0	0	2	0	251	31	0	1	4	0	0	0	0	293
Lowland Shrub	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128
Lowland Spruce/Fir	0	0	0	0	0	66	0	0	0	19	0	266	0	0	0	0	0	0	350
Marsh	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	0	0	0	0	0	3	0	0	0	15	0	0	0	0	0	0	0	18
Northern Hardwood	0	0	0	0	0	0	0	0	33	0	81	8	0	0	0	0	0	404	526
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	94
Planted Mixed Pines	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Red Pine	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7
Tamarack	0	0	11	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	13
Treed Bog	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Upland Mixed Forest	0	0	0	15	41	0	0	0	0	0	0	2	0	0	0	0	0	0	57
Upland Spruce/Fir	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Water	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
White Pine	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	18
<b>Total</b>	<b>295</b>	<b>114</b>	<b>52</b>	<b>173</b>	<b>205</b>	<b>282</b>	<b>6</b>	<b>4</b>	<b>33</b>	<b>272</b>	<b>160</b>	<b>276</b>	<b>57</b>	<b>169</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>498</b>	<b>2594</b>





## Report 2 – Treatment Summary

Gwinn Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 39  
Total Compartment Acres: 2,596

Commercial Harvest - 442  
Harvests with Site Condition - 898  
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	106	0	0	0	0	0	0	0	0	106
Lowland Conifers	9	0	0	0	0	0	0	0	0	9
Lowland Spruce/Fir	167	0	0	0	0	0	0	0	0	167
Northern Hardwood	0	293	0	0	0	0	0	0	0	293
Oak	0	95	0	0	0	0	0	0	0	95
Planted Mixed Pines	0	0	0	0	4	0	0	0	0	4
Upland Spruce/Fir	2	0	0	0	0	0	0	0	0	2
Total	284	387	0	0	4	0	0	0	0	675

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	675	0	0	0	0	147	0	0	0	822
Next Step	0	0	0	0	0	724	0	0	0	724
Total	675	0	0	0	0	871	0	0	0	1546





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:**

<b>14</b>	<b>32039014-Cutx</b>	34.3	4134 - Aspen, Spruce/Fir	6	47	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at dbh. Do not cut white pine, oak, and red pine. Cut 2 areas 30 to 35 acres in size that do not touch. Create 5-6 drumming logs at least 8ft in length of any species between 9-15 inches diameter left lying adjacent to <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, pine, cherry, maple, birch, spruce, fir, oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
<b>14</b>	<b>32039014-Cutxx</b>	30.5	4134 - Aspen, Spruce/Fir	6	47	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at dbh. Do not cut white pine, oak, and red pine. Cut 2 areas 30 to 35 acres in size that do not touch. Create 5-6 drumming logs at least 8ft in length of any species between 9-15 inches diameter left lying adjacent to <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, pine, cherry, maple, birch, spruce, fir, oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
<b>15</b>	<b>32039015-Monitor</b>	94.5	4110 - Sugar Maple Association	9	92	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> Monitor for regeneration success. Stand failed regeneration check at reinventory. At 2025 inventory, high amount of maple seedlings, but very little advance regeneration found. Rubus taking over gaps. Regeneration may just need more time. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Sugar maple, red maple, basswood, white birch, yellow birch, white cedar, hemlock, spruce, white pine, black cherry, red oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2034											
<b>22</b>	<b>32039022-Cut</b>	58.4	4110 - Sugar Maple Association	6	96	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Cut tree mark the stand to a residual basal area of 70-90. Cut all merchantable fir. Mark more heavily in the infrequent areas of quality northern hardwood advanced regeneration. Trees retained should be those which will increase in sawtimber quality, ent <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Sugar maple, red maple, white pine, red oak, yellow birch, white birch, spruce, basswood, white cedar, aspen, hemlock. <u>Regen:</u> <u>Other</u> If any portion of the stand planned for harvest or the transportation network for the timber sale impacts the motorcycle trail, be sure to include trail specs in the timber sale contract. <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
27	32039027-Cut	32.8	4110 - Sugar Maple Association	6	75	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Mark to 70-90 BA. Mark to improve stand quality. There is very little desirable regeneration. Avoid making gaps except where hardwood saplings are found. Maintain stand species diversity while marking. Designate all merchantable spruce and fir for harvest <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Northern Hardwood <u>Regen:</u> <u>Other</u> The southwest end of the stand is steep where it drops off to stand 30. Make sure to keep the harvest area on operable ground. If any <u>Comment:</u> portion of the stand planned for harvest or the transportation network for the timber sale impacts the motorcycle trail <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											
29	32039029-Cut	99.2	4110 - Sugar Maple Association	6	85	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Mark to 70-90 BA. Mark to improve stand quality. There is very little desirable regeneration. Avoid making gaps except where hardwood saplings are found. Maintain stand species diversity while marking. Retain healthy black cherry for mast. Designate all m <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Northern Hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											
35	32039035-Cut	35.4	4110 - Sugar Maple Association	9	95	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Mark to cut leaving 70-90BA. Release advanced regeneration if found. Mark to removed defect and improve stand quality. Release crop trees and try to get regeneration where there is none present. Some of the stand is not operable with equipment. Treatment <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Northern Hardwood <u>Regen:</u> <u>Other</u> Most of the stand has no regeneration. The west end is very steep in places. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
37	32039037-Cut	167.0	6122 - Black Spruce	6	108	81-110	Harvest	Clearcut	612 - Lowland Coniferous Forest	Planting Record	No
<u>Prescription</u> Clearcut with retention. Leave all cedar, hemlock, and white pine. Make sure to buffer Miller Creek at least 100 feet. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, fir, cedar, white pine, aspen, tamarack <u>Regen:</u> <u>Other</u> Leave retention along stand edges and in many small patches (0.1 - 0.5 acres in size) to encourage natural regeneration. Patches must be <u>Comment:</u> no more than 3 chains apart. The old bridge across Miller Creek to the south can be crossed on foot. <u>Site Condition:</u> Unknown Access <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
39	32039039-Cut	40.3	4134 - Aspen, Spruce/Fir	4	47	1-50	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at dbh. Do not cut white pine and red pine. Green tree some windfirm black cherry and white spruce in the <u>Specs:</u> stand for mast and seed source. Create 7-8 drumming logs across this stand at least 8ft in length and between 9-1  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> aspen, spruce, fir, pine <u>Regen:</u>  <u>Other</u> If any portion of the stand planned for harvest or the transportation network for the timber sale impacts the motorcycle trail, be sure to include <u>Comment:</u> trail specs in the timber sale contract.  <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											
56	32039056-Cut	3.8	42140 - Planted Mixed Pine	6	30	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Conduct an initial row thinning of planted pine. Remove all jack pine that is found in every other row to release red pine rows. If areas of rows <u>Specs:</u> are too tight to accommodate modern logging equipment, may need to take additional rows for access. May thin  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> red pine <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2023											
73	32039073-Cut	6.9	4112 - Maple, Beech, Cherry Association	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Mark stand to 70-90 BA residual to encourage development of quality regeneration. Follow complete marker. Leave legacy trees (trees <u>Specs:</u> >26inches dbh), wildlife-quality cavity trees. Do not mark any oak if found. Favor retention of spruce, black cherry. Favor  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry <u>Regen:</u>  <u>Other</u> Summer access and operability. Leave 25ft buffer of vernal pool with red line. No suitable regeneration to release with canopy gaps, do not <u>Comment:</u> use gaps.  <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											
76	32039076-Cut	8.3	4110 - Sugar Maple Association	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Single tree select to 70-90 to attempt to develop advance regeneration. Mark trees for removal according to the complete marker guidelines, <u>Specs:</u> while also retaining species diversity, retaining wildlife quality trees (cavity and rotten trees, especially large  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Sugar maple, red maple, spruce, pine, red oak, basswood, white cedar, yellow birch, white birch. <u>Regen:</u>  <u>Other</u> Acceptable growing stock of advance regeneration is mostly absent in the understory. Intent of harvest is to develop this regeneration. <u>Comment:</u> Consider gap harvest at next inventory cycle to release regeneration if it develops.  <u>Site Condition:</u> Survey Needed <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
78	32039078-Cut	3.4	4112 - Maple, Beech, Cherry Association	9	109	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Mark stand to 70-90 BA residual to encourage development of quality regeneration. Follow complete marker. Leave legacy trees (trees <u>Specs:</u> >26inches dbh), wildlife-quality cavity trees, and hemlock and cedar. Favor retention of birch. Favor removal of high risk <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry <u>Regen:</u> <u>Other</u> survey needed <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											
86	32039086-Monitor	52.9	4110 - Sugar Maple Association	9	109	51-80	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> Monitor for regeneration. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any northern hardwood species found in the canopy table. <u>Regen:</u> <u>Other</u> Regeneration check done in 2025, failed because too soon after last timber harvest (harvest completed in 2022). <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2029											
90	32039090-Cut	2.3	4119 - Mixed Northern Hardwoods	6	98	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Single tree select stand to 70-90 basal area, following guidelines set forth in the complete marker. Leave all legacy trees (trees >26inches in <u>Specs:</u> diameter) and cavity trees. Mark for operability, even if basal area must be lowered below 70 in some areas. Ad <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Sugar maple, red maple, spruce, hemlock, cedar, yellow birch, basswood, white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											
91	32039091-Cut	8.8	6124 - Lowland Spruce-Fir	6	93	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Cut all stems to 2 inches dbh. Reserve all cedar and yellow birch. Include some large diameter forked big tooth aspen and larger healthy <u>Specs:</u> black spruce in the stand retention. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, tamarack, aspen, balsam poplar, paper birch, cedar, yellow birch, red maple <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Survey Needed <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>97 32039097-Cut</b>	45.9	4110 - Sugar Maple Association	9	99	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Single tree select to 70-90 BA to encourage advance regeneration. Cut all fir. Do not mark trees in interior wet areas. Red line should exclude wet edges. Put red line as close to shore edge as BMPs allow (25ft no cut area, 100ft RMZ of 60+ basal area). R <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Sugar Maple, red maple, basswood, red oak, white cedar, hemlock, spruce, yellow birch, paper birch, white pine. <u>Regen:</u> <u>Other</u> Private access from the south. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026										
<b>410 32039410-Cut</b>	1.5	42330 - Upland Fir	5	55		Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Clearcut. No retention due to opening maintenance harvest. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> N/A, opening maintenance <u>Regen:</u> <u>Other</u> If any portion of the stand planned for harvest or the transportation network for the timber sale impacts the motorcycle trail, be sure to include trail specs in the timber sale contract. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>411 32039411-Cut</b>	1.2	4134 - Aspen, Spruce/Fir	4	55		Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Clearcut. No retention due to opening maintenance. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> grass <u>Regen:</u> <u>Other</u> If any portion of the stand planned for harvest or the transportation network for the timber sale impacts the motorcycle trail, be sure to include trail specs in the timber sale contract. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

**Approved Treatments:**

<b>5 32039005-Cut</b>	94.5	4123 - Red Oak	9	100	141-170	Harvest	Selection	412 - Oak Types	Current	No
<u>Prescription</u> Selectively mark individual trees for harvest to promote an uneven aged stand structure. Residual basal area will be variable due to distribution of superior oaks, but should be between 80 to 100 square feet. There are Legacy Tree size oaks to be preserve <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Sugar maple, red maple, birch, basswood, black cherry, and red oak. <u>Regen:</u> <u>Other</u> Very dense 10 to 20 foot tall understory of sugar maple saplings. Will want to mark and cruise during leaf-off periods. <u>Comment:</u> <u>Site Condition:</u>										



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Acres

Stand  
CoverTypeSize  
DensityStand  
AgeBA  
RangeTreatment  
TypeTreatment  
MethodCover Type  
ObjectiveAge  
StructureHabitat  
Cut

Proposed Start Date: 10/01/2021

Total Treatment  
Acreage Proposed: 821.9





Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

					2B	2I	5C	2G	2H	3J	5A	5D
687	647	40	0	Aspen		40						
15	15	0	0	Bare/Sparsely Vegetated								
224	72	0	152	Cedar				114		38		
12	0	0	12	Hemlock							12	
12	12	0	0	Herbaceous Openland								
14	14	0	0	Low-Density Trees								
269	98	149	22	Lowland Conifers	141	9		4		18		
128	128	0	0	Lowland Shrub								
346	72	180	94	Lowland Spruce/Fir	161		19	29				65
10	10	0	0	Marsh								
18	3	13	2	Mixed Upland Deciduous	13					2		
526	289	238	0	Northern Hardwood	81	157						
94	94	0	0	Oak								
4	4	0	0	Planted Mixed Pines								
7	5	0	2	Red Pine					2			
13	13	0	0	Tamarack								
93	93	0	0	Treed Bog								
35	30	0	5	Upland Mixed Forest						5		
2	2	0	0	Upland Spruce/Fir								
18	18	0	0	Water								
18	18	0	0	White Pine								
2,543	1,634	621	288	Total Forested Acres	397	206	19	146	2	63	12	65
	64%	24%	11%	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	Available		2B: Unknown if access through adjacent landowner(s) is possible	302	2E: Road needed	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b> Stand is difficult to access and wet. Edges near hardwood may be harvestable but would be small acreage for amount of work.								



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer : Examiner

Compartment: 39  
Year of Entry: 2027



2	Available	2I: Survey needed	99	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	2B: Unknown if access through adjacent landowner(s) is possible	13	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	2I: Survey needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: North line survey needed.							
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300 ft buffer Miller Creek							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: BMP Buffer 100ft of unnamed tributary of Miller Creek.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	5D: Unproductive forest land	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: Unproductive lowland sapling-size stand with multiple intermittent streams throughout. Also part of buffer of Miller Creek (300ft)							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer : Examiner

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8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5A: Not able to obtain desirable regeneration	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hemlock overstory (250 BA) with almost no saplings in understory of any species.							
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300 ft buffer miller creek							
11	Available	2I: Survey needed	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long skids are possible to Haywire if access blocked							
14	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300 ft Buffer Miller Creek							



# Report 4 – Site Conditions

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15	Available	2B: Unknown if access through adjacent landowner(s) is possible	46	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Could lay down matts to access but stand is small and best left as is. Probably not financially feasible to access.							
17	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300 ft buffer Miller Creek							
18	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300 ft buffer of Miller Creek							
19	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300ft buffer Miller Creek							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



## Report 4 – Site Conditions

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21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This can hold tell one of the adjacent aspen stands is harvested.							
25	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Triple C timber sale.							
26	Unavailable	5D: Unproductive forest land	65	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



# Report 4 – Site Conditions

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Sean Fischer : Examiner

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27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This can be hold tell a nearby aspen stand is harvested.							
28	Available	2I: Survey needed	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Available	2I: Survey needed	33	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Available	2I: Survey needed	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Available	2I: Survey needed	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	2B: Unknown if access through adjacent landowner(s) is possible	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b>							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer : Examiner

Compartment: 39  
Year of Entry: 2027



34	Available	2I: Survey needed	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	2B: Unknown if access through adjacent landowner(s) is possible	30	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	2I: Survey needed	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Time constraints, was not able to check for survey corners							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	63	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	5E: Long-Term Retention	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	4134 - Aspen, Spruce/Fir	Poletimber Well	90.3	27	Immature	N/A	This was once two stands cut only a few years apart. West side cut in 1998 under permit #32-011-97. East side harvested under permit #32-005-99.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Sapling/Pole	4		Balsam Fir	High		Variable	Variable
Red Oak	1	Log	14		Red Pine	Trace		Variable	Variable
Paper Birch	2	Sapling/Pole	4		White Pine	Trace		Variable	Variable
Quaking Aspen	42	Pole/Sapling	5	27	Hazelnut (Spp.)	Low		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	20	Pole/Sapling	5		Red Maple	Low		Variable	Variable
Balsam Fir	25	Pole	6		Paper Birch	Trace		Variable	Variable
White Pine	5	XLog	18		Red Oak	Low		Variable	Variable
2	6122 - Black Spruce	Poletimber Medium	34.3	108	1-50	N/A		Trace large white pine, paper birch and quaking aspen. (2025)	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	2	Log/Pole	10		Black Ash	Low	Variable	Variable	
Balsam Poplar	3	Pole	8		Red Oak	Low	Variable	Variable	
Black Spruce	60	Pole	9	108	Balsam Fir	Medium	Variable	Variable	
Northern White Cedar	21	Log/Pole	11		Red Maple	High	Variable	Variable	
Tamarack	10	Log/Pole	11		Tag Alder	Low	5 - 10 feet	5 - 10 feet	
Black Ash	2	Pole	5						
Black Cherry	2	Pole	6						
4	4130 - Aspen	Poletimber Medium	1.9	37	51-80	N/A	Aspen slowly filling in an old gravel pit.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	10	Sapling/Pole	4		Red Maple	Low	5 - 10 feet	5 - 10 feet	
Quaking Aspen	90	Pole/Sapling	5	37					
5	4123 - Red Oak	Sawtimber Well	94.3	100	141-170	N/A	SF 2025: Confirmed last inventory data. Timber Sale "Crooked Oak" not yet completed or closed out. Area treated in 1998 under permit # 012-97-01. This stand is the best oak stand in the Gwinn area. Silvicultural treatment of the stand had been delayed in past to maintain the significant mast production benefits for wildlife. Many high risk oak stems and crotches that should be removed. The extremely dense M3 will be the future stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple	10	Pole/Log	8		Sugar Maple	Full	10 - 20 feet	10 - 20 feet	
Red Maple	5	Pole/Log	8						
Red Oak	85	XLog/Log	18	100					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
6	4110 - Sugar Maple Association	Sawtimber Well	79.2	110	81-110	N/A	Thinned in summer of 2018 under sale #32-002-17. Triple C Timber Sale. Trace amount of black cherry, white pine and balsam fir in canopy. More red oak within stand as you head north. South edge has some lower quality trees with higher amount of red maple and larger aspen. Significantly more maple saplings present in this stand vs M9 to south (2025)			
<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>
Sugar Maple		80	Log/Pole	14	110	White Pine		Trace	< 5 feet	< 5 feet
Red Maple		10	Log/Pole	14		Balsam Fir		Low	Variable	Variable
Basswood		1	XLog/Log	18		Red Oak		Low	>20 feet	>20 feet
Red Oak		8	Log/XLog	16		Red Oak		Low	Variable	Variable
Quaking Aspen		1	Log	14		Sugar Maple		Low	>20 feet	>20 feet
						Sugar Maple		High	< 5 feet	< 5 feet
						Sugar Maple		High	Variable	Variable
						Red Maple		Low	< 5 feet	< 5 feet
						Wild Red Raspberry		Medium	< 5 feet	< 5 feet
						Ironwood		Medium	Variable	Variable
7	6229 - Mixed Lowland Shrub	None	8.0			No				
8	4139 - Aspen, Mixed Deciduous	Poletimber Well	105.9	35	81-110	N/A	Cut c. 1988 under 32-016-87 Oak Ridge Aspen. Vernal pond present. (2025)			
<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>
Sugar Maple		1	Pole	8		Balsam Fir		Medium	Variable	Variable
Red Maple		18	Pole	5		Red Oak		Low	Variable	Variable
Yellow Birch		1	Log/Pole	10		Sugar Maple		Medium	Variable	Variable
Red Oak		10	Pole	5		Red Maple		High	Variable	Variable
Red Oak		2	Log	15		Ironwood		Medium	Variable	Variable
Paper Birch		2	Pole	6						
Quaking Aspen		42	Pole	6	35					
Bigtooth Aspen		10	Pole	8						
Balsam Fir		10	Pole	5						
Black Spruce		2	Pole/Sapling	5						
White Pine		1	Pole	6						
Black Cherry		1	Pole	5						
9	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	21.4	90	1-50	N/A	Very wet in the middle of stand. Edges could be harvested but volume is low. Also, could be left, as harvest may impact residual cedar. (2025)			
<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>
Red Maple		2	Pole	6		Balsam Fir		Medium	Variable	Variable
Black Spruce		30	Pole/Log	8		Red Maple		Medium	Variable	Variable
Northern White Cedar		38	Pole/Log	8	90	Paper Birch		Low	Variable	Variable
Tamarack		30	Pole/Log	8		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
						Black Spruce	Low	Variable	Variable	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
10	6120 - Lowland Cedar	Poletimber Well	10.3	95	51-80	N/A	Lots of leaning cedar. Trace amount of white pine in the canopy. (2025)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	1	Pole	6		Balsam Fir	High		Variable	Variable
Black Spruce	10	Pole	8		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Northern White Cedar	80	Pole	9	95	Black Spruce	High		Variable	Variable
Tamarack	9	Pole	7						
11	42200 - Natural White Pine	Sawtimber Well	10.9	95	51-80	N/A	Understory cut in 1998 under permit # 011-97-01.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	100	XLog/Log	18	95	Quaking Aspen	Medium		Variable	Variable
					Red Oak	Low		Variable	Variable
					Red Maple	High		Variable	Variable
					Paper Birch	Low		Variable	Variable
12	4130 - Aspen	Sapling Well	52.1	28	Immature	N/A	Treated under permit # 013-97-01. Well-stocked stand. Black spruce saplings present. SF 2025: Well stocked aspen sapling stand transistioning to poles.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	4	Pole/Sapling	5		Black Cherry	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	75	Pole/Sapling	5	28	Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	10	Pole/Sapling	5		Red Maple	Low		10 - 20 feet	10 - 20 feet
White Spruce	4	Pole/Sapling	5		Hazelnut (Beaked)	Low		5 - 10 feet	5 - 10 feet
Black Spruce	4	Pole/Sapling	5						
White Pine	1	XLog/Log	18						
Black Cherry	2	Sapling/Pole	3						
13	4130 - Aspen	Sapling Well	7.7	7	Immature	N/A	Aspen harvested in 2018. Scattered cherry and white pine poles. Some older super canopy trees present.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Maple	10	Sapling	1						
Red Oak	1	Log/Pole	12						
Quaking Aspen	80	Sapling	1	7					
White Pine	6	Pole/Log	7						
Black Cherry	2	Pole	6						
Black Cherry	1	Sapling	1						





Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																		
14	4134 - Aspen, Spruce/Fir	Poletimber Well			153.8	47	81-110	N/A	Trace amount of cherry. Frost pocket within the middle of stand just under 5 acres. Lower basal area less aspen and more spruce/fir and a few jack pine. (2025)																																																																																		
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15	4110 - Sugar Maple Association	Sawtimber Well			95.0	92	81-110	N/A	Thinned in the summer of 2018 under sale #32-002-17.SF 2025: Good quality sugar maple log stand. Not much advance maple regeneration, but high amount of maple seedlings. Rubus taking over most canopy gaps. Average BA around 90.																																																																																		
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16	4130 - Aspen	Poletimber Well			19.7	40	51-80	N/A	Stand cut in 1986 under Haywire Lake Sale 32-042-85. 1 to 2 stick aspen. Scattered residual red oak canopy trees. Black spruce and white pine saplings found. SF 2025: Good quality aspen poles, average of 4 sticks. Some areas patchy heavier to fir and red maple saplings and poles.																																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
22	4110 - Sugar Maple Association	Poletimber Well	58.6	96	81-110	N/A	Smaller average DBH and poorer quality timber in the west portion of the stand. Some areas along the two-tracks have been cut quite heavily by illegal firewood cutting. Occasional cherry, yellow birch, and soft maple. Stand harvested as "Haywire Hardwoods" #014-07 (unit 1 and 2) - thinned September, 2010. No wildlife underplanting completed yet as of 11/3/11. Small patches of M3 greater than 4.5 ft tall. White pine and oak are infrequent overstory associates. SF 2025: Northern hardwood stand heavy to sugar maple. Ok to good quality log size trees. Not a lot of maple regeneration which is acceptable growing stock. Ironwood and rubus have largely taken over the understory.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		84	Log/Pole	13	96	White Spruce		Low	Variable	Variable	
Red Maple		4	Pole	7		Ironwood		Medium	5 - 10 feet	5 - 10 feet	
Yellow Birch		2	Pole/Log	9		Balsam Fir		High	Variable	Variable	
Red Oak		1	Pole/Log	8		Blackberry/Raspberry		High	< 5 feet	< 5 feet	
Paper Birch		1	Pole	8		Maple (spp.)		Low	Variable	Variable	
Bigtooth Aspen		2	Pole/Log	9		Maple (spp.)		High	< 5 feet	< 5 feet	
Balsam Fir		1	Pole	6		Black Cherry		Low	5 - 10 feet	5 - 10 feet	
White Pine		1	Pole/Log	8							
Hemlock		1	Log	12							
Black Cherry		3	Pole	7							
23	790 - Other Bare/Sparsely Vegetated	None	15.3			No		Area used as shooting range with associated rubbish left behind. ATV scramble area. Campfires/party site.			
25	4130 - Aspen	Sapling Medium	19.7	5	Immature	N/A	2025 - well stocked aspen stand. There are some thin patches but they will likely fill in over time. 1/2021: Cut in 2020. Former grassy opening. Very poor timber quality hardwood. 4 stick aspen. Areas where sugar maple understory is quite dense and 12 to 16 feet tall. High incidence of aspen snags and deadfalls. Sale prepped in 2017 minimal residual present (32-019-17-01) Haywire Mix SBW.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		86	Sapling	1	5	Sugar Maple		High	10 - 20 feet	10 - 20 feet	
Balsam Fir		10	Sapling	1		Balsam Fir		Medium	5 - 10 feet	5 - 10 feet	
White Spruce		4	Sapling	1							
27	4110 - Sugar Maple Association	Poletimber Well	32.8	75	81-110	N/A	Fair to good quality hard maple stand. Terrain is hilly with ridges and a couple old openings within. The hill off the SW end is fairly steep. Stand harvested under permit #014-07 (Unit 3) - thinned July, 2011.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		84	Log/Pole	11	75	Black Cherry		Medium	5 - 10 feet	5 - 10 feet	
Red Maple		8	Pole/Log	9		Sugar Maple		Low	< 5 feet	< 5 feet	
Yellow Birch		4	Log	14							
Hemlock		4	Log/Pole	12							
29	4110 - Sugar Maple Association	Poletimber Well	99.2	85	81-110	N/A	2025 - Medium sized northern hardwood. Very little advanced regeneration. Thin stand to encourage maple regeneration. Rolling terrain. Stand harvested under permit #14-07 (Unit 4) - thinned September, 2010. Large boulders found to south.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		90	Log/Pole	11	85	Sugar Maple		Low	10 - 20 feet	10 - 20 feet	
Red Maple		5	Pole	8		Sugar Maple		Low	< 5 feet	< 5 feet	
Black Cherry		5	Pole	8							
30	6124 - Lowland Spruce-Fir	Poletimber Medium	22.9	86	Unspecified	N/A	Spruce crowns healthy. Patchy overstory distribution. Linear alder patches. Some upland knobs. Cedar and white birch saplings found. Black cherry and hemlock are uncommon overstory associates. Stand includes the slope down from stand 27 to the east. Chandler Brook cuts through the SW corner of the stand. Look at harvesting area outside of 300' trout stream buffer in stand 41, comp 38 to the west in the future. EB 2020				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Yellow Birch		4	Pole/Log	8		Balsam Fir		Low	Variable	Variable	
Paper Birch		10	Pole	8		Red Maple		Low	Variable	Variable	
Balsam Fir		20	Pole	8		Tag Alder		High	5 - 10 feet	5 - 10 feet	
Black Spruce		35	Pole/Log	9	86	Black Spruce		Low	5 - 10 feet	5 - 10 feet	
Northern White Cedar		29	Pole/Log	9							
White Pine		2	Log	16							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
31	4134 - Aspen, Spruce/Fir	Sapling Well	3.5	5	Immature	N/A	2025 - stand regenerated to fully stocked aspen. Overall the stand looks healthy. 1/2021: Cut in 2020 with Haywire Mix SBW # 32-019-17.			
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		80	Sapling	1	5					
Balsam Fir		10	Sapling	1						
White Spruce		10	Sapling	1						
32	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	14.9	95	51-80	N/A	2025 - mixed up land hardwood stand. Hemlock and cedar growing on the edges. Fairly steep ridge intot the stand all the way around. One area of decent sugar maple in the west end of the stand. Lots of birch and red maple in the rest. OPIC - FMD: Fair quality soft maple growing on a steep esker surrounded by lowland conifers. This stand was formerly an F6 stand but budworm has killed most of the fir.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		30	Log/Pole	13	95	Balsam Fir		Medium	5 - 10 feet	5 - 10 feet
Red Maple		15	Log/Pole	12						
Paper Birch		35	Log/Pole	10	95					
Northern White Cedar		15	Log/Pole	14						
33	6224 - Treed Bog	None	44.8			No	Black spruce and tamarack saplings. Infrequent 1 stick black spruce poles.			
34	500 - Water	None	4.7			No	About a 4 acre lake. Looks fairly deep in the air photo and in the field.			
35	4110 - Sugar Maple Association	Sawtimber Well	35.4	95	111-140	N/A	2025 - good quality sugar maple stand up on top along the private land. About half of the stand is on top of the ridge. Private access will be needed from the north. The eastern part of the stand is less rocky and less of a drop into the lowland stands to the south. OPIC - FMD: Good quality even-aged hard maple stand with occasional larger sugar maple and yellow birch remnant. Most of the stand is inoperable due to very steep ridges and excessive rocks and scattered room size boulders. Access is required through private land and road building would be very expensive. A survey would also be required to establish ownership boundaries.			
Canopy Species		% Cover	Size Class	DBH	Age					
Sugar Maple		80	Log/Pole	15	95					
Red Maple		10	Log/Pole	14						
Yellow Birch		3	XLog/Log	18						
Hemlock		7	Log/Pole	13						
36	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	157.1	86	51-80	N/A	More open overstory than the stand to the east. About half cedar with open spots in the canopy. There is an area in the north part of the stand that is heavy to spruce and tamarack that could be treated.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Yellow Birch		10	Pole/Log	8		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Balsam Fir		20	Pole	6		Balsam Fir		Medium	Variable	Variable
Black Spruce		25	Pole	8	86					
Northern White Cedar		45	Log/Pole	10	86					
37	6122 - Black Spruce	Poletimber Well	167.0	108	81-110	N/A	Access to the stand is prohibitive due to wet soils. Stand also blocked by other physical features. Previous inventory reflects 100 sq ft of black spruce and 10 sq ft of tamarack. Average Dbh was 6 inches.			
Canopy Species		% Cover	Size Class	DBH	Age					
Paper Birch		1	Pole	7						
Black Spruce		85	Pole/Log	9	108					
Northern White Cedar		3	Log/Pole	12						
Tamarack		8	Log/Pole	10						
White Pine		3	Log/Pole	11						





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
49	330 - Low-Density Trees	None	1.2			No	Opening created in 1992. Infertile site not producing good herbaceous forage. Mainly sedge, bracken fern, and blueberry. Some scattered red pine, jack pine, and fir.		
50	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	70.8	80	1-50	N/A	Stand is very wet and basal area variable but is overall low.Multiple springs and drainages. Sphagnum moss common. Fir, tamarack, white birch, and cedar seedlings/saplings found. Michigan holly and willow. Areas of stand treed bog quality. Higher density of overstory black spruce to east. Closed winter road bisects stand, which provided logging access to stand 10. Road is flooded with marsh and cattails, old corduroy along most of road length.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	5	Pole	5		Cattail spp.	Medium		Not Applicable	Not Applicable
Black Spruce	15	Pole	7		Tamarack	Low		Variable	Variable
Northern White Cedar	45	Pole	9	80	Tag Alder	Medium		Variable	Variable
Tamarack	30	Pole	7		Black Spruce	Medium		Variable	Variable
Black Ash	5	Pole	5		Northern White Cedar	Low		Variable	Variable
51	6122 - Black Spruce	Sapling Well	65.1	100		N/A	Very wet and not productive for timber. Some poles on the edges but overall small saplings (2025)		
Canopy Species	% Cover	Size Class	DBH	Age					
Black Spruce	99	Sapling/Pole	4	100					
	Tamarack	1	Sapling/Pole	4					
52	4134 - Aspen, Spruce/Fir	Sapling Well	19.1	13	Immature	N/A	Access was through portion of private. Was winter cut due to long, very wet access road to fill with corduroy and freeze in. Harvested winter of 2012 under contract #32-002-09-01. Mainly aspen with fir, pine and red maple on the edges. (2025)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	15	Sapling	2		White Pine	Low		Variable	Variable
Quaking Aspen	57	Sapling	4	13	Red Pine	Low		< 5 feet	< 5 feet
Balsam Fir	20	Sapling/Pole	4		Red Pine	Low		Variable	Variable
Black Spruce	1	Pole/Sapling	6						
White Pine	5	Log/Pole	14						
Red Pine	2	Log/Pole	12						
53	6122 - Black Spruce	Poletimber Well	12.5	80	51-80	N/A	Trace amount of cherry in the canopy. (2025)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole	8		Tag Alder	High		5 - 10 feet	5 - 10 feet
Paper Birch	5	Pole	7		Balsam Fir	Medium		Variable	Variable
Balsam Fir	10	Pole	6						
Black Spruce	50	Pole	8	80					
Northern White Cedar	10	Pole	9						
Tamarack	10	Pole	6						
White Pine	10	XLog/Log	18						
55	6120 - Lowland Cedar	Poletimber Well	58.9	120	111-140	N/A	North side has more ash under the cedar than the south. Small hump on the south side is mostly cedar and paper birch with red maple poles under canopy. Trace amount of hemlock, white pine and yellow birch (2025)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	5	Pole	8		Black Ash	Low		Variable	Variable
Black Spruce	10	Pole	8		Balsam Fir	Low		Variable	Variable
Northern White Cedar	73	Pole/Log	9	120	Red Maple	Low		Variable	Variable
Tamarack	2	Pole	8		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Black Ash	10	Pole	8						













Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
74	6120 - Lowland Cedar	Poletimber Medium	5.0	119	51-80	N/A	Patchy overstory cover with thick alder between patches. Drainage.SF 2025: Most of stand is cedar, with diverse mix of other lowland-adapted species. Overstory is falling apart, which has left canopy openings for younger cohorts of birch, maple, fir, and spruce to grow into saplings and poles. Most of stand is within the Riparian Management Zone of Miller Creek (300ft).		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	14	Log/Pole	10		Balsam Fir	Medium		Variable	Variable
Paper Birch	2	Pole	7		Black Spruce	Low		Variable	Variable
Balsam Fir	9	Pole/Sapling	7		Northern White Cedar	Low		< 5 feet	< 5 feet
Black Spruce	14	Log/Pole	10		Hemlock	Low		Variable	Variable
Northern White Cedar	55	Pole/Log	9	119	Hazelnut (Spp.)	Medium		5 - 10 feet	5 - 10 feet
White Pine	1	XLog/Log	18		Red Maple	Low		Variable	Variable
Hemlock	5	Log	12		Paper Birch	Low		Variable	Variable
					Tag Alder	Medium		5 - 10 feet	5 - 10 feet
					Yellow Birch	Low	Variable	Variable	
75	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	1.4	119	141-170	N/A	South shoreline of Miller Lake. Steep bank down to lake. SF 2025: Hemlock, cedar, and mixed deciduous stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple	5	Pole/Log	9		Balsam Fir	Low	5 - 10 feet	5 - 10 feet	
Red Maple	10	Pole/Log	9						
Yellow Birch	5	Pole/Log	9						
Paper Birch	10	Pole/Log	9						
Balsam Fir	5	Pole	8						
White Spruce	5	Pole	8						
Northern White Cedar	30	Pole/Log	9	119					
Hemlock	30	Log/Pole	12	119					
76	4110 - Sugar Maple Association	Sawtimber Well	8.3	109	111-140	N/A	Thinned during 1990-94 period, via 14 separate firewood units. Good timber quality to maple boles. Low ridge runs through stand. Red oak, white spruce, and white pine found in overstory.2025, SF: Dense northern hardwood stand in the log pole size class; species composition is sugar maple. OK to good sawtimber quality in the log and pole size classes. Maple saplings are sparse in the stand interior and are mostly unacceptable growing stock.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	90	Log/Pole	11	109	White Pine	Trace		5 - 10 feet	5 - 10 feet
Red Maple	7	Log/Pole	11	109	Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Red Oak	1	Log/Pole	12	109	Maple (spp.)	Low		5 - 10 feet	5 - 10 feet
White Spruce	1	Log	17		White Spruce	Trace		5 - 10 feet	5 - 10 feet
White Pine	1	XLog	25		Ironwood	Trace		Variable	Variable
77	6121 - Tamarack	Poletimber Poor	2.1	69	1-50	N/A	Slope at far north. Sphagnum and pools of water.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Black Spruce	26	Pole/Sapling	6		Labrador Tea	Low	< 5 feet	< 5 feet	
Tamarack	50	Pole/Sapling	6	69	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet	
White Pine	4	Log	14		Tamarack	Medium	10 - 20 feet	10 - 20 feet	
Hemlock	20	Log	16						





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
89	6224 - Treed Bog	None	1.5			No	Small patch of swamp conifers at southeast portion of stand.SF 2025: Leatherleaf bog. Most trees within have died, leaving pole-sized snags. Likely the cause of mortality was flooding.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Sphagnum Moss	High	Not Applicable	Not Applicable	
								Black Spruce	Trace	Variable	Variable	
								Northern White Cedar	Trace	Variable	Variable	
								Tag Alder	Low	5 - 10 feet	5 - 10 feet	
90	4119 - Mixed Northern Hardwoods	Poletimber Well	2.3	98	81-110	N/A	SF 2025: Small patch of northern hardwood. Good quality to some log size trees. Isolated, small patch against private.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	45	Log/Pole	15	98
								Red Maple	25	Log/Pole	15	
								Yellow Birch	5	Log/Pole	15	
								Paper Birch	5	Pole	8	
								Bigtooth Aspen	10	Log	16	
Balsam Fir	5	Pole/Sapling	5									
Black Spruce	5	Pole/Sapling	5									
91	6124 - Lowland Spruce-Fir	Poletimber Well	10.3	93	81-110	N/A	SF 2025: About 75% canopy closure overall. Good quality black spruce. Some stems are starting to age out. Wet pocket site conditioned to the west in the stand is mostly tag alder. Ground cover of sedge, sphagnum, Labrador tea. Upland hills of Spruce, fir, birch, and aspen in the southern portion of the stand. Adjacent to stream corridor.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	15	Pole	7	
								Yellow Birch	2	Pole	5	
								Paper Birch	5	Pole/Log	9	
								Bigtooth Aspen	13	Log/Pole	15	
								Balsam Fir	5	Pole	5	
Black Spruce	45	Pole	8	93								
Northern White Cedar	10	Pole/Log	9									
Tamarack	5	Pole	9									
92	42350 - Upland Hemlock	Sawtimber Well	12.1	113	201+	N/A	Stand borders Miller Lake. South portion of stand is long, steep slope down to lake. Higher proportion of cedar near shoreline. White pine and fir are uncommon overstory associates. White birch and hemlock saplings present. SF 2025: Confirmed last inventory notes. Very little regeneration in the understory. Basal area in pure hemlock areas is very high.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	1	Log	12	
								Red Maple	5	Log/Pole	12	
								Yellow Birch	5	Pole	8	
								Paper Birch	2	Pole	8	
								Balsam Fir	2	Sapling/Pole	4	
Northern White Cedar	15	Pole/Log	8									
Hemlock	70	Log/XLog/Pole	16	113								





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
104	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	3.9	123	1-50	N/A	Low density lowland cedar stand surrounded by red maple/ fir sapling stand.SF 2025: Lowland stand with low density cedar and tag alder and pockets of red maple regeneration.																																		
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>30</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td>Log</td><td>14</td><td></td></tr><tr><td>Balsam Fir</td><td>15</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Black Spruce</td><td>2</td><td>Pole/Log</td><td>8</td><td>84</td></tr><tr><td>Northern White Cedar</td><td>45</td><td>Log/Pole</td><td>10</td><td>123</td></tr><tr><td>Hemlock</td><td>3</td><td>Pole/Log/Sap</td><td>8</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Sapling	3		Yellow Birch	5	Log	14		Balsam Fir	15	Sapling/Pole	4		Black Spruce	2	Pole/Log	8	84	Northern White Cedar	45	Log/Pole	10	123	Hemlock	3	Pole/Log/Sap	8					
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105	4131 - Aspen, Oak	Poletimber Well	12.2	27	51-80	N/A	Area treated in 1998 under permit # 012-97-01. Large oak clumps over aspen. This is transitioning into a pole stand. (2025)																																		
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Ironwood	Low	Variable	Variable																																						
Red Oak	Low	Variable	Variable																																						
400	330 - Low-Density Trees	None	2.7			No	Old opening filling in with sap and pole sized fir, aspen, white pine, cherry and maple. (2025)																																		
401	330 - Low-Density Trees	None	1.7			No	Old opening filling in with sap and pole sized fir, aspen, white pine, cherry and maple. (2025)																																		
402	330 - Low-Density Trees	None	3.8			No	Old opening filling in with sap and pole sized fir, aspen, white pine, cherry and maple. (2025)																																		
404	310 - Herbaceous Openland	None	3.8			No																																			
405	4211 - Planted Red Pine	Unspecified	4.9	3	Immature		Old sand borrow pit. Lot of sedge and lichens. Scattered trembling aspen, jack pine, and red pine saplings. Red pine thriving. ATVs and motorcycles using area.																																		
		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>Full</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Full	< 5 feet	< 5 feet																															
Sub-Canopy Species	Density	Avg. Height	Size																																						
Red Pine	Full	< 5 feet	< 5 feet																																						
406	3102 - Grass	None	1.3			No	A small grass opening.																																		
407	310 - Herbaceous Openland	None	0.9			No	Merge with aspen stand. Full of regen																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																				
408	4130 - Aspen	Sapling Medium	2.7	5		N/A	Old opening that was cut with the adjacent aspen stand. The opening is now filling in with aspen and a forested stand. A few hemlock were left during the harvest.																				
<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>90</td><td>Sapling</td><td>1</td><td>5</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Hemlock</td><td>5</td><td>Log</td><td>14</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	90	Sapling	1	5	Balsam Fir	5	Sapling	1		Hemlock	5	Log	14	
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Balsam Fir	5	Sapling	1																								
Hemlock	5	Log	14																								
409	310 - Herbaceous Openland	None	2.9			No	Cherry, spruce, fir, and aspen filling in.																				
410	42330 - Upland Fir	Poletimber Medium	1.5	55		N/A	Depression in landscape. Probable frost pocket. Fringe of F6. Center is barren ground strawberry, raspberry, and fir saplings.																				
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Balsam Fir	65	Pole	8	55																							
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411	4134 - Aspen, Spruce/Fir	Poletimber Poor	1.2	55		N/A	Old opening that has filled in with trees and become a forested stand.																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>25</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Quaking Aspen</td><td>50</td><td>Pole</td><td>8</td><td>55</td></tr><tr><td>Balsam Fir</td><td>25</td><td>Pole</td><td>7</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	25	Log/Pole	10		Quaking Aspen	50	Pole	8	55	Balsam Fir	25	Pole	7	
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Sugar Maple	25	Log/Pole	10																								
Quaking Aspen	50	Pole	8	55																							
Balsam Fir	25	Pole	7																								
412	310 - Herbaceous Openland	None	1.5			No	2025 - opening was cut with adjacent aspen. Roughly 1/2 area grasses, 1/2 raspberry. Fir is encroaching. Many boulders.																				