



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32028

Entry Year 2027

Acreage: 2,240

County: Marquette

Management Area: Menominee-Marquette

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**Stand Examiner:** Matt Yeo

**Legal Description:**

T44N R24W Section(s) 25, 26, 34-36

**Identified Planning Goals:**

To maintain and enhance the sustainability of the forest and its associated communities.

**Soil and topography:**

Level swamps and wetland drainages with a small amount of upland flats.

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

About 50% of the compartment is privately owned land used primarily for hunting and timber production. Compartment includes the village of McFarland.

**Unique Natural Features:**

See Natural Features Inventory

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

None identified.

**Special Management Designations or Considerations:**

Potential for eagle, osprey, and great blue heron rookery. Potential for moose and wolf.  
Potential for calypso orchid, Ram's-head orchid, and rayless mountain ragwort in mixed conifer swamps.

**Watershed and Fisheries Considerations:**

This compartment contains a headwater reach of the Rapid River. The Rapid River is a designated Type 1 trout stream less than 50-ft wide and has a predicted mean July water temperature of 64.2°F (cold stream). A 300-ft buffers is recommended for the Rapid River 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.

**Wildlife Habitat Considerations:**

This compartment is found within the Menominee-Marquette Management Area, on Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include Northern Hardwood, Aspen, and Mixed Lowland Conifer. This management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area. The most significant wildlife management issues in the management area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris, early successional forest, and deer wintering complexes. The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

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

Surface sediments consist of medium-textured glacial till and peat and muck. Glacial drift is thin in the area. Sand and gravel potential is considered poor. The Ordovician Black River and Prairie du Chien groups subcrop below the glacial drift. These formations are quarried for stone. There is a quarry located in Section 25, and there may be additional crushed stone potential. Abandoned iron mines are located seven miles to the northwest. This State land has not been previously leased for metallic mineral exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Co Rd RM provides main access, with private roads accessing the interior of the compartment.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

Limited, due to access and cover types.

**Fire Protection:**

Low risk area.

**Additional Compartment Information:**

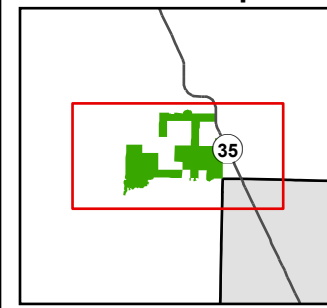
**The following reports from the Inventory are attached:**

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

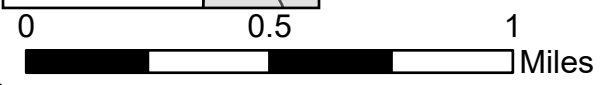
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

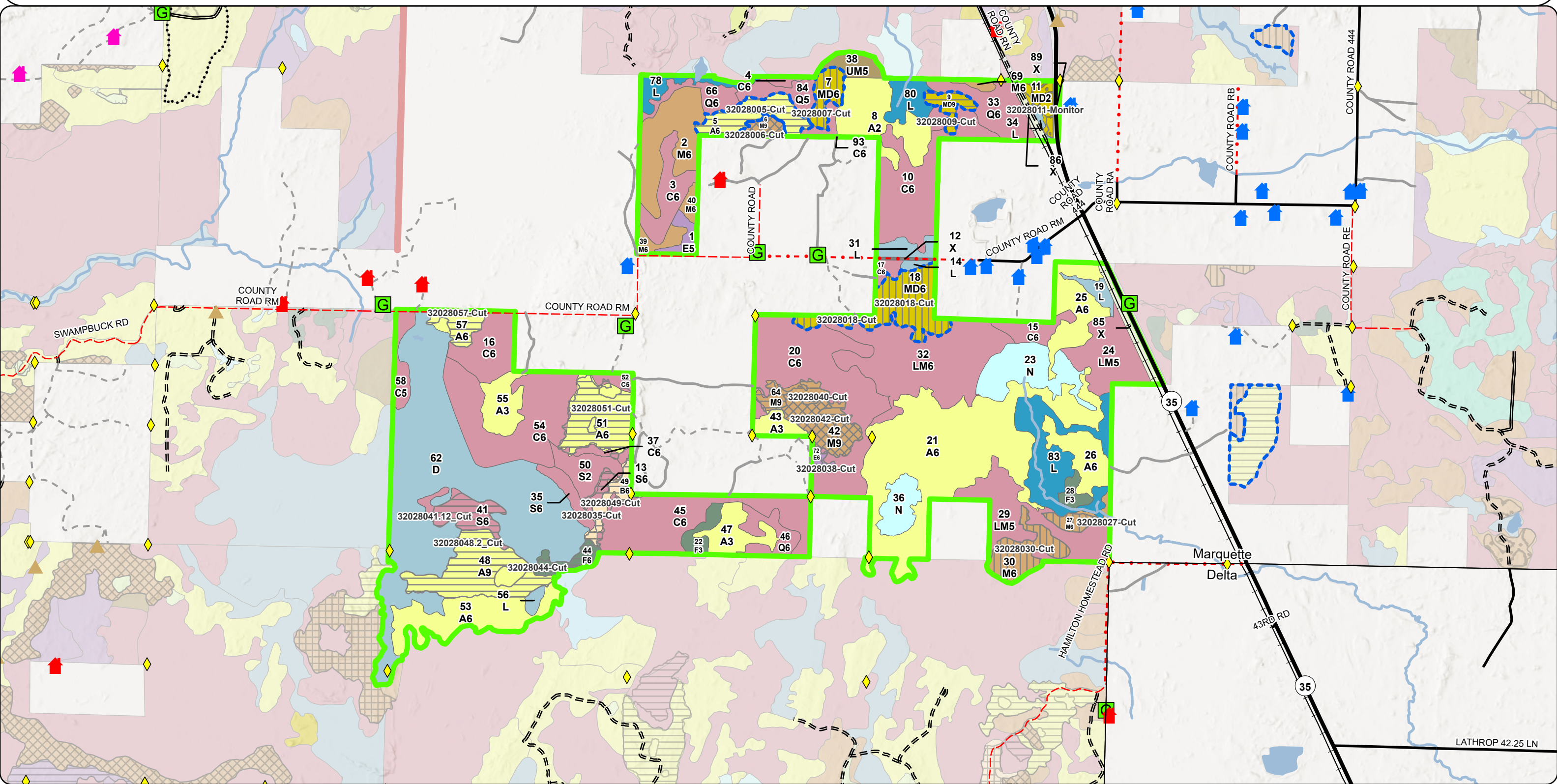
Cover Type & Treatments Map



Compartment: 32028  
T44N R24W Sections 23, 25, 26,  
30-34  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Menominee-Marquette  
YOE: 2027  
Acres: 2,240 GIS Calculated  
Examiner: Matt Yeo  
Date Exported: 11/17/2025  
Map Phase: Post Review

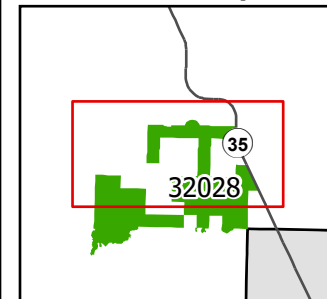


- |                             |                                       |                                 |                                     |
|-----------------------------|---------------------------------------|---------------------------------|-------------------------------------|
| Survey Grade Corners        | Federal / State / County - Paved Road | Clearcut                        | 430 - Upland Mixed Forest           |
|                             | County - Gravel Road                  | Selection                       | 611 - Lowland Deciduous Forest      |
|                             | County - Dirt Road (Seasonal)         | Shelterwood                     | 612 - Lowland Coniferous Forest     |
|                             | Private - Paved Road                  | Monitoring - Regeneration       | 613 - Lowland Mixed Forest          |
| Berm                        | Private - Dirt / Gravel Road          | Treatments with Site Conditions | 122 - Road/Parking Lot              |
| Gate                        | DNR - Management Access               | 411 - Northern Hardwood         | 622 - Lowland Shrub                 |
| DNR - Secondary Forest Road | Railroads                             | 413 - Aspen                     | 623 - Emergent Wetland              |
| DNR - Forest Access Route   | Streams                               | 414 - Other Upland Deciduous    | 629 - Mixed non-forested Wetland    |
| Federal / State Highway     | Lakes and Rivers                      | 419 - Mixed Upland Deciduous    | 790 - Other Bare/Sparsely Vegetated |
|                             | Compartment Boundary                  | 423 - Other Upland Conifers     |                                     |





# Cover Type & Treatments Map



Compartment: 32028  
T44N R24W Sections 23, 25, 26,  
30-34  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Menominee-Marquette  
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Map Phase: Post Review

0 0.5 1 Miles

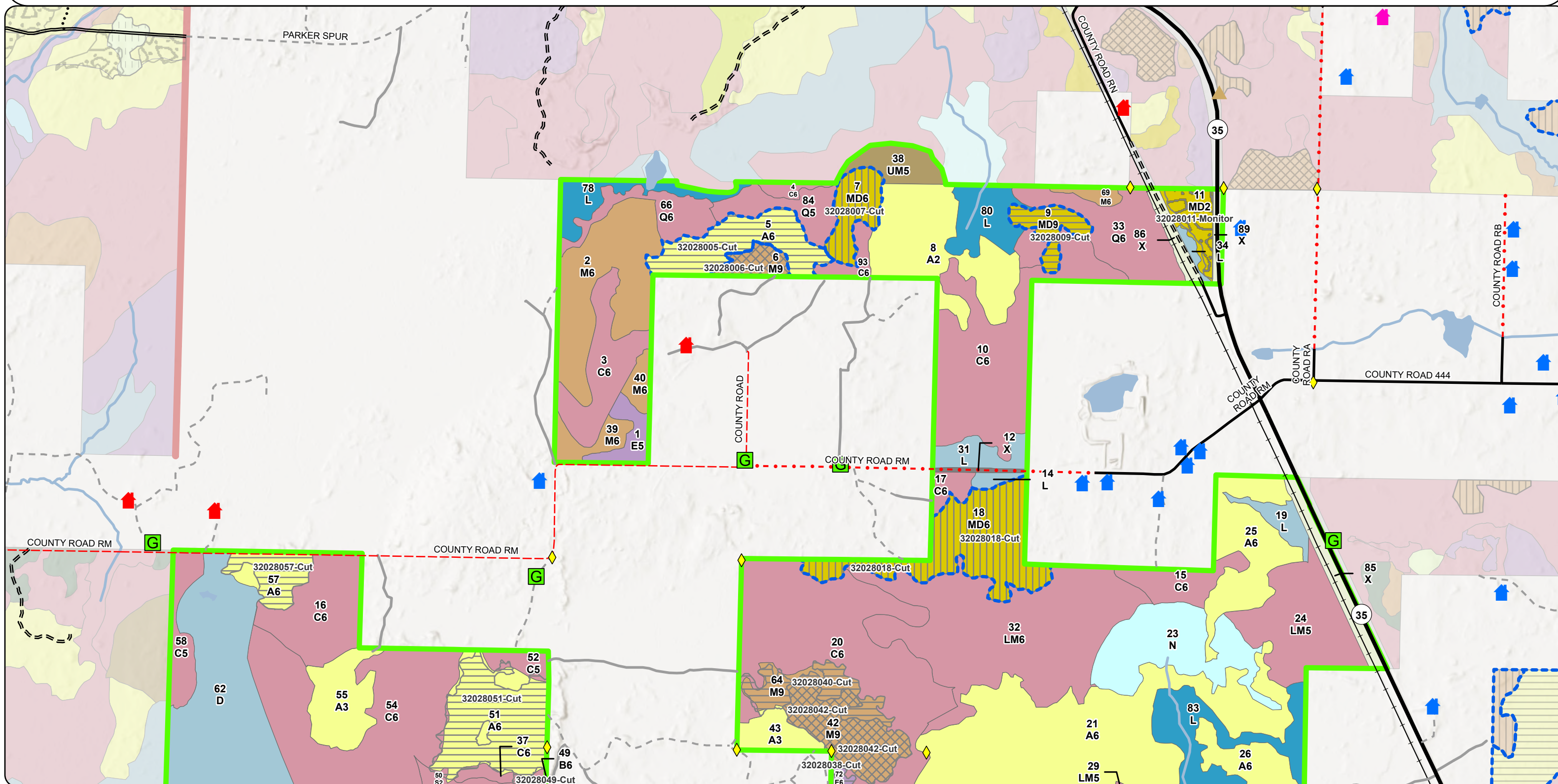
- Survey Grade Corners
- Berm
- Gate

- DNR - Secondary Forest Road
- DNR - Forest Access Route

- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- DNR - Management Access
- Railroads
- Streams
- Lakes and Rivers

- Compartment Boundary
- Clearcut
- Selection
- Shelterwood
- Monitoring - Regeneration
- Treatments with Site Conditions
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous

- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated







A horizontal scale bar with a black border. It is divided into four equal segments by three vertical lines. The first segment is solid black, the second is white, the third is solid black, and the fourth is white. Above the bar, the numbers '0', '0.5', and '1' are placed at the first, second, and third vertical lines respectively. To the right of the bar, the word 'Miles' is written.



**G**



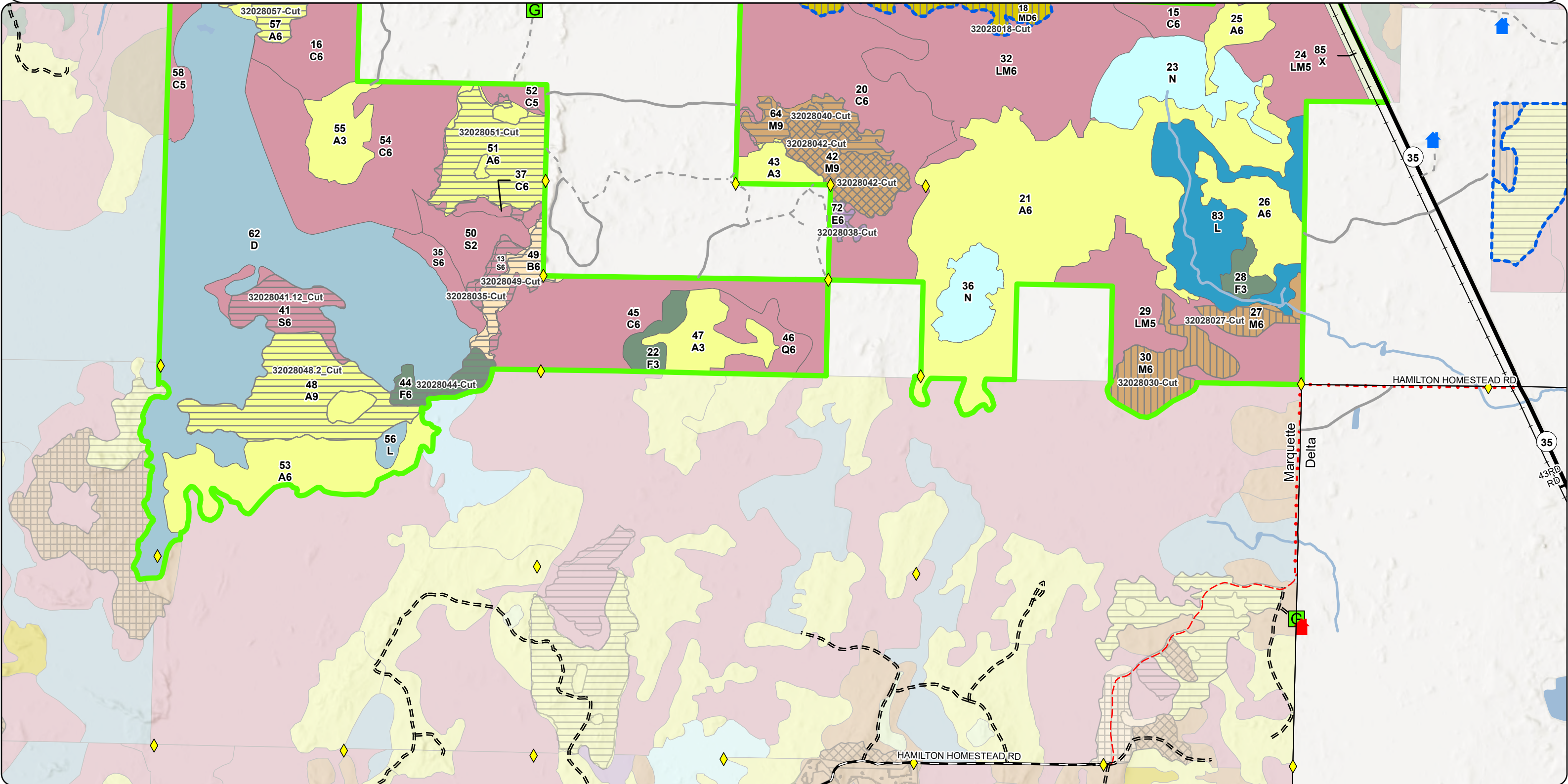
== DNR - Primary Forest Road

=== DNR - Forest Access Route

— Federal / State Highway









— Federal / State / County - Paved Road



 Clearcut




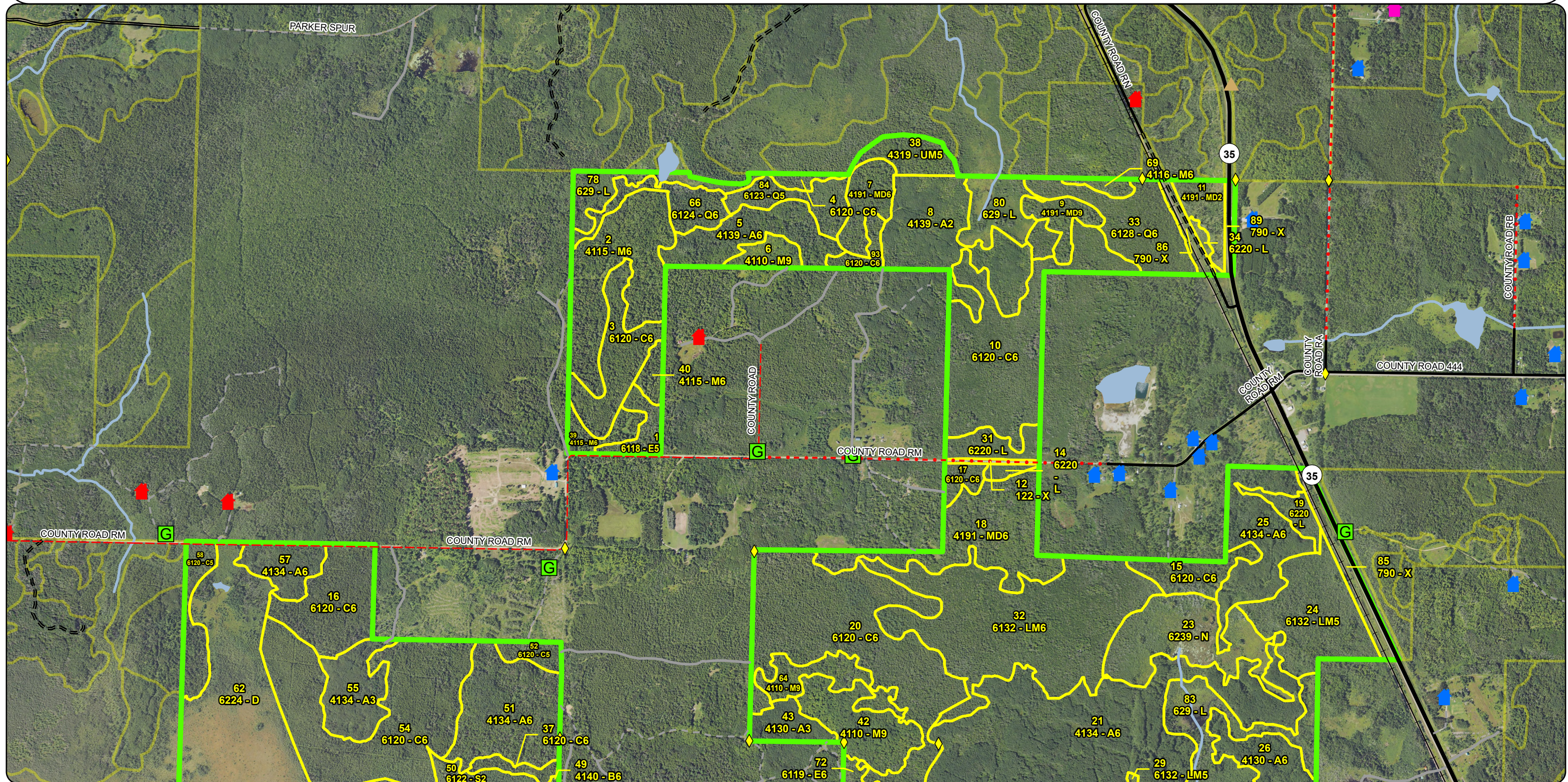


A map of the 32028 ZIP code area in Houston, Texas. The area is outlined in red. A green shape represents the 35th Precinct, which is labeled with a white circle containing the number 35. The ZIP code 32028 is also labeled in the center of the area.

 Survey Grade Corners  
  
  
  
 Berm  
 Gate  
  
 DNR - Secondary Forest Road  
 DNR - Forest Access Route

 Lakes and Rivers  
 Compartment Boundary  
 411 - Northern Hardwood  
 413 - Aspen  
 414 - Other Upland Deciduous  
 419 - Mixed Upland Deciduous  
 430 - Upland Mixed Forest  
 611 - Lowland Deciduous Forest  
 612 - Lowland Coniferous Forest

 Lakes and Rivers  
 Compartment Boundary





A map of the 32028 ZIP code area in Houston, Texas. The area is highlighted with a red box. A callout bubble points to the ZIP code 35.



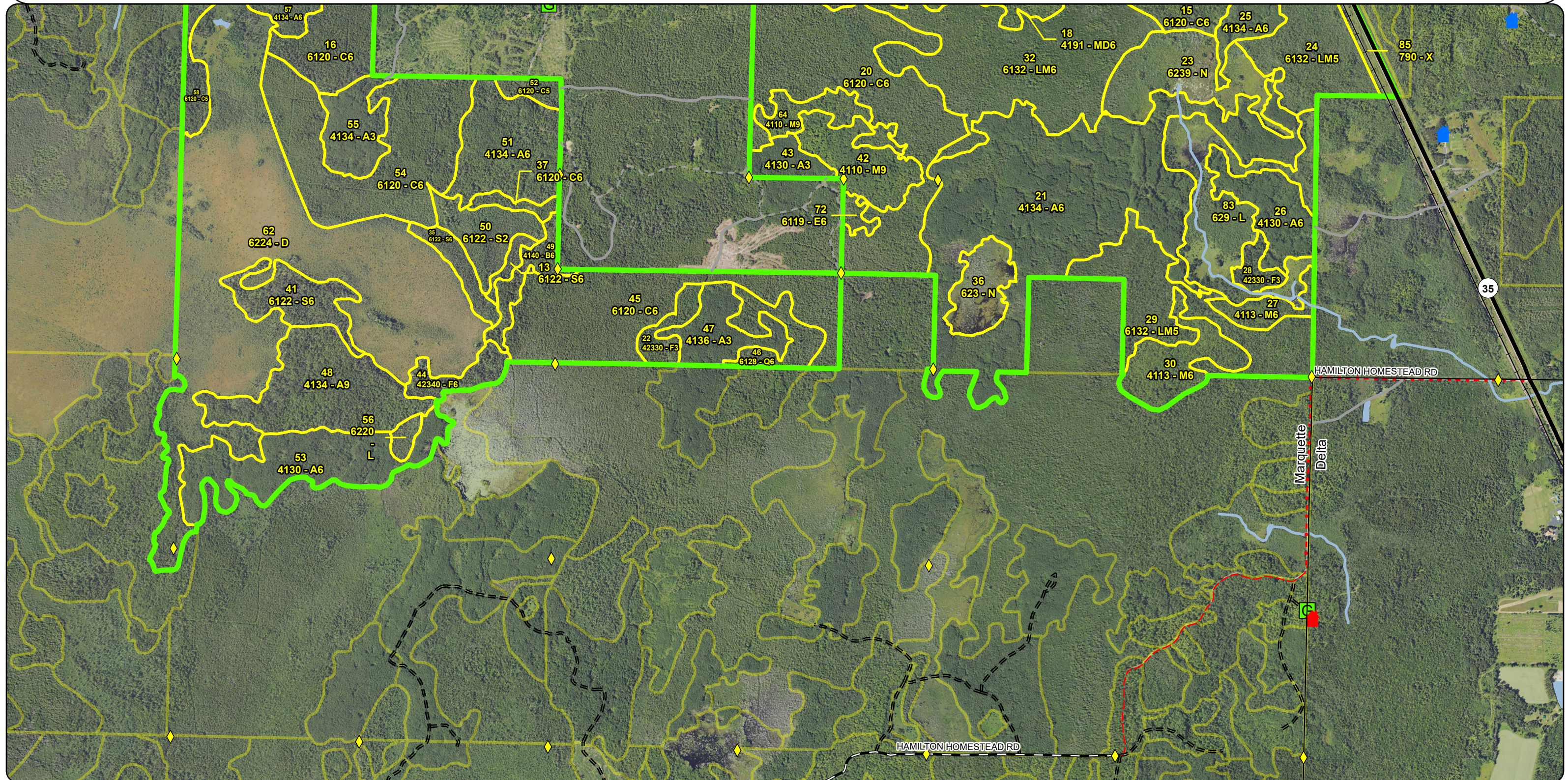
**G**

=== DNR - Forest Access Route

## Streams

### 423 - Other Upland Conifers

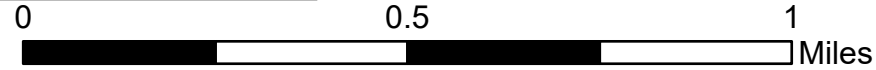
790 - Other Bare/Sparsely Vegetated





# Special Conservation Areas & Site Conditions Map

Compartment: 32028  
T44N R24W Sections 23, 25, 26,  
30-34  
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Unit: Gwinn  
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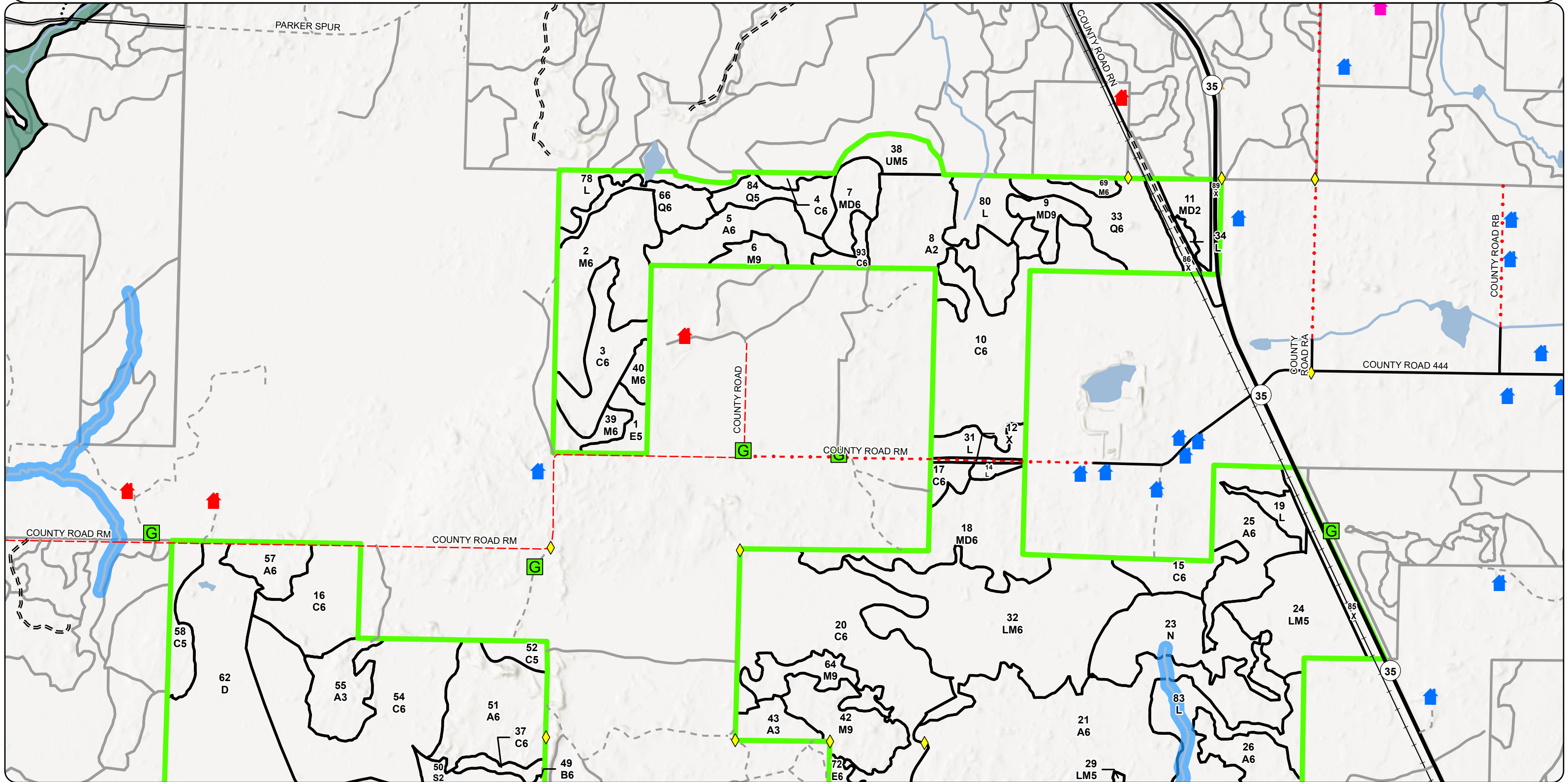


- Survey Grade Corners
- 
- 
- Berm
- Gate

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)

- Private - Paved Road
- Private - Dirt / Gravel Road
- DNR - Management Access
- Railroads
- Streams
- Lakes and Rivers

- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool





# Special Conservation Areas & Site Conditions Map

Compartment: 32028  
T44N R24W Sections 23, 25, 26,  
30-34  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Menominee-Marquette  
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Acres: 2,240 GIS Calculated  
Examiner: Matt Yeo  
Date Exported: 11/17/2025  
Map Phase: Post Review



0 0.5 1 Miles

Survey Grade Corners



Gate

DNR - Primary Forest Road

DNR - Forest Access Route

Federal / State Highway

Federal / State / County - Paved Road

County - Gravel Road

County - Dirt Road (Seasonal)

Private - Paved Road

Private - Dirt / Gravel Road

Railroads

Streams

Lakes and Rivers

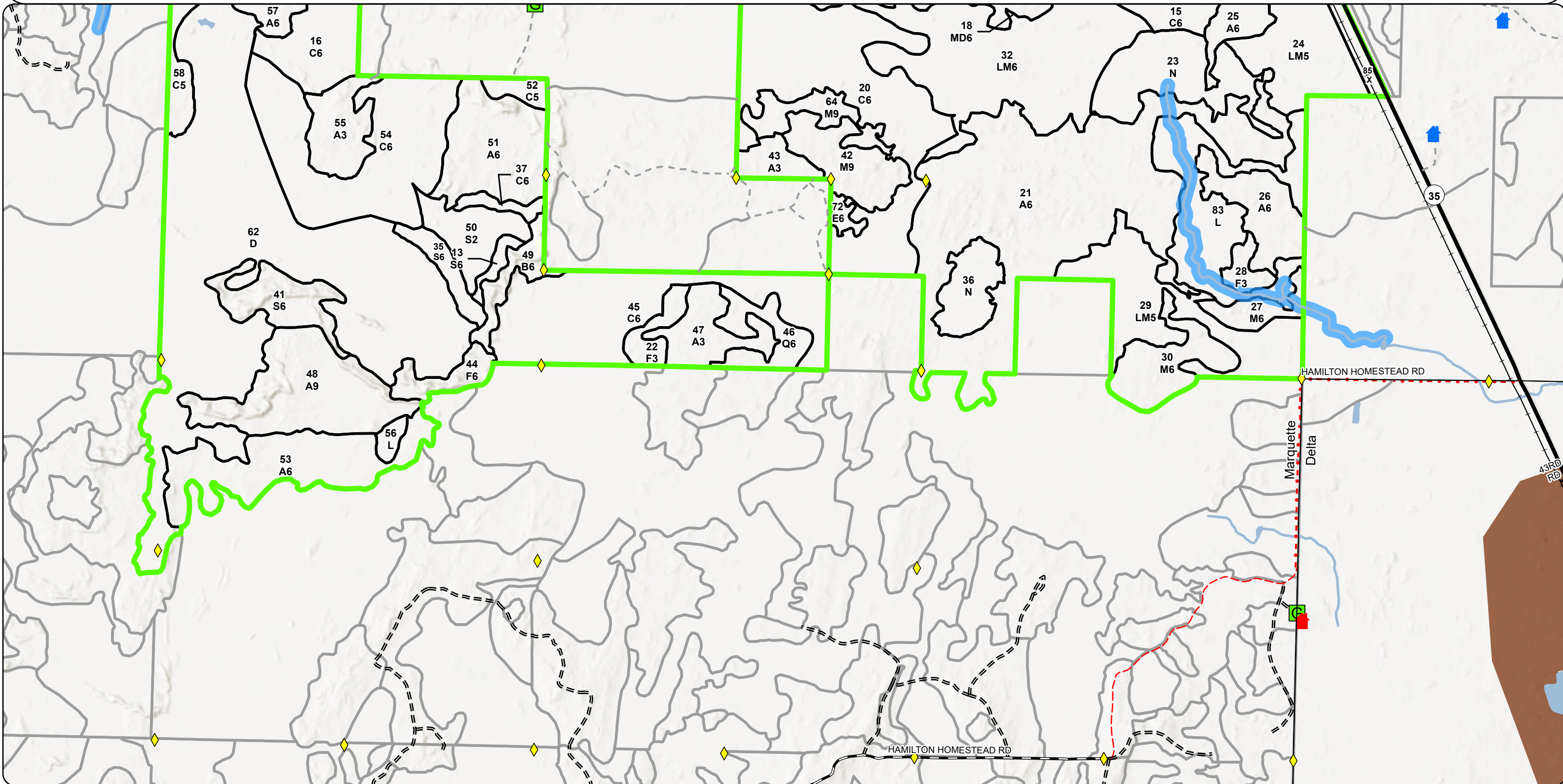
Compartment Boundary

Stand Boundaries

Cold Water Streams

High Priority Trout Stream Buffer

Deer Winter Range



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



## 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	0	51	86	301	16	77	0	63	0	0	0	0	0	0	0	0	0	593
Bare/Sparsely Vegetated	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Cedar	0	0	0	0	0	0	0	0	0	0	0	6	303	174	0	0	0	0	483
Lowland Conifers	0	0	0	18	0	0	16	0	0	0	16	0	37	0	0	0	0	0	87
Lowland Deciduous	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	59	0	0	156	0	0	0	0	215
Lowland Shrub	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	37	0	25	0	0	0	0	0	0	62
Marsh	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Mixed Upland Deciduous	0	12	0	0	0	0	0	0	11	0	0	49	0	0	0	0	0	15	87
Northern Hardwood	0	0	0	0	0	0	0	0	0	29	67	68	0	0	0	0	0	0	164
Paper Birch	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	14
Treed Bog	274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	274
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13
Upland Spruce/Fir	0	0	0	17	0	0	0	0	0	0	0	12	0	0	0	0	0	0	29
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>481</b>	<b>12</b>	<b>51</b>	<b>121</b>	<b>301</b>	<b>16</b>	<b>93</b>	<b>14</b>	<b>87</b>	<b>66</b>	<b>142</b>	<b>173</b>	<b>340</b>	<b>330</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>2241</b>





## Report 2 – Treatment Summary

Gwinn Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 28  
Total Compartment Acres: 2,240

Commercial Harvest - 500  
Harvests with Site Condition - 224  
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	145	0	0	0	0	0	0	0	0	145
Lowland Deciduous	3	0	0	0	0	0	0	0	0	3
Lowland Spruce/Fir	27	0	0	0	0	0	0	0	0	27
Mixed Upland Deciduous	11	0	0	0	64	0	0	0	0	75
Northern Hardwood	16	36	0	0	37	0	0	0	0	89
Paper Birch	14	0	0	0	0	0	0	0	0	14
Upland Spruce/Fir	10	0	0	0	0	0	0	0	0	10
Total	226	36	0	0	101	0	0	0	0	363

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	363	0	0	0	0	0	10	0	0	373
Next Step	0	0	0	0	0	0	363	0	0	363
Total	363	0	0	0	0	0	373	0	0	736



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>5</b>	<b>32028005-Cut</b>	29.4	4139 - Aspen, Mixed Deciduous	6	58	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, yellow birch, and pine. In addition 4-5 drumming logs of any species (9-15-inch DBH) at <u>Specs:</u> least 8 ft long immediately adjacent to a stump lying flat on the ground, should be left in the stand. Look for retent <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen with paper birch, red maple and some conifers. <u>Regen:</u> <u>Other</u> Access will be required through private property to the south. Look for contact info on file. Prepare with stands 6 and 7. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
<b>6</b>	<b>32028006-Cut</b>	7.9	4110 - Sugar Maple Association	9	105	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand to 70-90 BA following complete marker guidelines. release pockets of advanced regeneration using gaps. Maintain stand diversity <u>Specs:</u> while marking. Spec to cut all merchantable spruce and fir. In addition green tree some healthy wind firm white spru <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Sugar maple, red maple and a component of aspen, fir or other trace northern hardwood species which may be present. <u>Regen:</u> <u>Other</u> Access required through private to the south. Set-up with stands 5 and 7. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
<b>7</b>	<b>32028007-Cut</b>	15.0	4191 - Mixed Upland Deciduous with Conifer	6	105	51-80	Harvest	Shelterwood	4116 - Mixed N. Hardwood - Aspen	Current	No
<u>Prescription</u> Shelterwood harvest. Green tree residual maple and paper birch to maintain 40 BA. Remove all aspen, spruce, and balsam fir. Retain all <u>Specs:</u> cedar, hemlock, yellow birch, and pine. Stand was recently thinned, but little to no aspen was harvested at that time. T <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, fir, red maple, paper birch and a component of other mixed conifers. <u>Regen:</u> <u>Other</u> Access thru private property in the south, contact info can be found in the Gwinn Forestry Team Site in the Gwinn contact list for comp_stand <u>Comment:</u> access. Set-up with stands 5 and 6. <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
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9	32028009-Cut	10.8	4191 - Mixed Upland Deciduous with Conifer	9	78	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, yellow birch, and pine. Access will be challenging as the stand is surrounded by low wet ground and small drainages/streams. Winter cut only due to being surrounded by low wet ground. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, spruce, fir, aspen. <u>Regen:</u> <u>Other</u> SBW <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											

18	32028018-Cut	49.3	4191 - Mixed Upland Deciduous with Conifer	6	105	81-110	Harvest	Shelterwood	4119 - Mixed Northern Hardwoods	Current	No
<u>Prescription</u> Shelterwood harvest. Green tree residual maple to maintain 40BA. Residual species to be left are cedar, hemlock, white pine, yellow birch. <u>Specs:</u> Treatment acreage may differ due to several low wet ground drainages present in the stand. Winter harvest recommende <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Northern hardwoods, fir, aspen <u>Regen:</u> <u>Other</u> Access will need to be thru private in the west. Contact info can be found in the Gwinn Forestry Team Site in the Gwinn contact list for <u>Comment:</u> comp_stand access. <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											

27	32028027-Cut	8.2	4113 - R.Maple, Conifer	6	105	81-110	Harvest	Shelterwood	4119 - Mixed Northern Hardwoods	Current	No
<u>Prescription</u> Shelterwood harvest. Green tree residual maple to maintain 40BA. Residual species to be left are cedar, hemlock, white pine, yellow birch. <u>Specs:</u> Best access would be off Hamilton Homestead Road, thru stand 14 in compartment 86. Treatment acreage may differ due <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, birch, spruce, fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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30	32028030-Cut	28.8	4113 - R.Maple, Conifer	6	86	111-140	Harvest	Shelterwood	4119 - Mixed Northern Hardwoods	Current	No
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Prescription Shelterwood harvest. Green tree residual maple to maintain 40BA. Residual species to be left are cedar, hemlock, white pine, yellow birch.  
Specs: Best access would be off Hamilton Homestead Road, thru stand 14 in compartment 86. Treatment acreage may differ due

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, birch, spruce, fir.

Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

57	32028057-Cut	13.6	4134 - Aspen, Spruce/Fir	6	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all trees over 2" DBH except cedar, hemlock, yellow birch, cherry, tamarack, and pine. In addition, green tree some healthy wind firm  
Specs: white spruce for wildlife and also create 1-2 drumming logs of any species (9-15-inch DBH) at least 8 ft long immedia

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, mixed hardwood, mixed conifer

Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

### Approved Treatments:

11	32028011-Monitor	9.9	4191 - Mixed Upland Deciduous with Conifer	2	6	1-50	Monitoring	Monitoring - Regeneration	4113 - R.Maple, Conifer	Planting Record	No
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Prescription monitor

Specs:

Next Step

Treatments:

Acceptable mixed hardwood, aspen and a component of conifers

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2025



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>35</b>	<b>32028035-Cut</b>	6.1	6122 - Black Spruce	6	84	51-80	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
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Prescription Harvest all areas with merchantable spruce, tamarack where access against stand 49 is possible. Leave any cedar. No other retention due  
Specs: to small portion of stand being treated; remainder of stand will provide seed source for regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Black spruce, tamarack, cedar  
Regen:

Other Access is required through Gary Kivioja and possible Richard Brown.  
Comment:

Site Condition:

Proposed Start Date: 10/01/2022

<b>72</b>	<b>32028038-Cut</b>	2.5	6119 - Mixed Lowland Deciduous Forest	6	73	81-110	Harvest	Clearcut	6132 - Mixed Lowland Forest with Cedar	Planting Record	No
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Prescription Harvest all red maple, aspen, fir and spruce. Harvest most paper birch, retaining some, where possible, either by leave tree marking or in  
Specs: retention patches. Leave retention patches where cedar is heavy; also leave any cedar, yellow birch throughout.

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Balsam fir, spruce, red maple, aspen and paper birch with component of ash, yellow birch and cedar.  
Regen:

Other Access required through Gary Kivioja property. Treat with stands 40, 42.  
Comment:

Site Condition:

Proposed Start Date: 10/01/2022

<b>64</b>	<b>32028040-Cut</b>	16.1	4110 - Sugar Maple Association	9	105	111-140	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
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Prescription Harvest all red maple, paper birch, aspen, fir and spruce. Leave retention patches where cedar is heavy; also leave any cedar, yellow birch  
Specs: throughout.

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Balsam fir, spruce, red maple, aspen and paper birch with component of ash, yellow birch and cedar. red maple  
Regen:

Other Access required through Gary Kivioja property. Treat with stands 38,42. During sale prep, if it is found that cedar concentrations are too  
Comment: heavy within stand and too much harvesting damage would occur if included in treatment, then treatment should be d

Site Condition:

Proposed Start Date: 10/01/2022





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
41	32028041.12_ Cut	21.0	6122 - Black Spruce	6	105	81-110	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
<u>Prescription</u> Harvest to a 2" spec to promote regeneration. Leave cedar, hemlock, and pine. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> conifer, aspen, hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2022											
42	32028042-Cut	28.3	4110 - Sugar Maple Association	9	105	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Selectively mark stand to 70-90 BA using marking guidelines. Some places will be lighter marking than others. Create and enlarge <u>Specs:</u> regeneration gaps where regeneration is present. Retain all hemlock and yellow birch. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mixed northern hardwoods with a component of softwoods. <u>Regen:</u> <u>Other</u> Access required through Gary Kivioja property. Treat with stands 38,40. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2022											
44	32028044-Cut	10.2	42340 - Upland Spruce/Fir	6	103	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Harvest to a 2" spec to promote regeneration. Leave cedar, hemlock, and pine. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, hardwood, conifer <u>Regen:</u> <u>Other</u> A new road will be constructed across this stand for access to the SW/W area using narrow ridges and higher ground paths. Old access was <u>Comment:</u> eliminated from large beaver flooding. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2022											
48	32028048.2_C ut	57.4	4134 - Aspen, Spruce/Fir	9	75	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Harvest to a 2" spec to promote aspen regeneration. Retention should included large diameter, forked crown aspen, dense cedar patches, or <u>Specs:</u> areas of slope that may be too steep to operate on. Favor bigtooth aspen in retention. Leave cedar, hemlock, and pine <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce/fir <u>Regen:</u> <u>Other</u> Access from west would require crossing multiple narrow lowland drainages which might be possible during dry summer conditions with <u>Comment:</u> timber mats. Access from the south would most likely require freezing a road across a wide lowland stand (minimum of 250 ya <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2022											



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
49	32028049-Cut	13.7	4140 - Other Upland Deciduous	6	64	81-110	Harvest	Clearcut	4137 - Aspen, Birch	Planting Record	No
<u>Prescription</u> Harvest all aspen, paper birch, fir and spruce. Steep ridge - harvest what is accessible and leave remainder as retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, and a component of conifers <u>Regen:</u> <u>Other</u> Private access is required through Kivioja property. Treat with stands 35, 51 for marketability. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2022											
51	32028051-Cut	44.7	4134 - Aspen, Spruce/Fir	6	57	81-110	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
<u>Prescription</u> Harvest all aspen, fir, spruce and most red maple and paper birch, leaving some for diversity/seed, either within patches or individually <u>Specs:</u> marked leave trees. Leave all white pine, cedar if present. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, paper birch, red maple, spruce/fir and white pine <u>Regen:</u> <u>Other</u> Requires private access from Kivioja. Treat with stands 35 and 49. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2022											

**Total Treatment** 372.9  
**Acreage Proposed:**



Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions					
Acres	Available	With Condition	Not Available		2B	2G	2H	3J	5E
451	410	29	12	Aspen	29	2		2	8
24	24	0	0	Bare/Sparsely Vegetated					
484	480	0	3	Cedar		3			
83	18	0	65	Lowland Conifers		65			
10	9	0	1	Lowland Deciduous					1
215	215	0	0	Lowland Mixed Forest					
90	52	0	38	Lowland Shrub		7		31	
41	37	0	4	Lowland Spruce/Fir					4
64	64	0	0	Marsh					
87	12	75	0	Mixed Upland Deciduous	75				
138	124	8	6	Northern Hardwood	8		4	2	1
1	0	0	1	Paper Birch					1
274	274	0	0	Treed Bog					
13	13	0	0	Upland Mixed Forest					
14	10	0	3	Upland Spruce/Fir				1	2
2	2	0	0	Urban					
1,990	1,744	112	133	Total Forested Acres	112	78	4	35	17
	88%	6%	7%	Relative Percent					

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

Site No.	Dominant Site Cond	Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention for stand 83.								
2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Wet stand.								

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Matt Yeo: Examiner

Compartment: 28  
Year of Entry: 2027



4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	63	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access through Dennis and Dean Carlyon, who have granted permission in the past. Difficult stand to access.							
7	Available	2B: Unknown if access through adjacent landowner(s) is possible	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access required through private landowner Marvin Connors. Not a whole lot of fir in this stand to bother with. 2/3/2016: Stand harvested in 1991 removing most of the merchantable spruce/fir at that time.							
8	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for stand 12.							
9	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Long term retention for stand 44. Also contains steep hillsides and rocky outcrops that are inoperable.							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Matt Yeo: Examiner

Compartment: 28  
Year of Entry: 2027



10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: Long term retention for stand 72. Cedar becomes too dense and is topped by mature paper birch.							
12	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for stand 51							
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention stand 40.							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention stand 49.							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wet tag alder swale							
16	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300 foot high priority trout stream buffer off the Rapid River.							

Gwinn Mgt. Unit  
Matt Yeo: Examiner

## Report 4 – Site Conditions

Compartment: 28  
Year of Entry: 2027



17	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

100 foot stream buffer off the Rapid River. 100 foot buffer due to the area not being susceptible to aspen regeneration.

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				





MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																													
1	6118 - Lowland Deciduous with Cedar	Poletimber Medium	8.9	78	51-80	N/A	OPIC - FMD: E5Q5 NEXT TO RD 444 SMALL 2-STICK CEDAR AND ASH. 2015: Pockets of cedar with overmature balsam poplar and fir, ash, red maple. Lots of ash, red maple regeneration. 2025: Variable stocking, lots of dead standing and dead fallen over trees, mainly spruce/fir/BAM. Dense areas of pole/sap, not of great quality/health. Trace amounts of W pine, hemlock, Y birch, B spruce. Mainly pole B. poplar 6-8" and Red maple pole 6-8", some larger. SW of the stand has more wet ground and higher ash/cedar component.																																																																													
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2	4115 - Y.Birch, Hemlock NH	Poletimber Well	52.8	95	51-80	N/A	OPIC - FMD: FAIR RED MAPLE, WAS PUT UP FOR SALE, # 8-97-1 , CONTRACTOR DIDN'T CUT IT. SALE WAS CLOSED. Stand harvested as "Swampbuck Hardwoods" #007-07 - Feb/March, 2011 (unit 3 and 2). Trace amount of black cherry, white pine, spruce present. Regeneration mainly stump sprouts.2025: Higher hemlock component in the NW stand. Lots of dieback, mainly dead fir, lots of fir regen. Mainly red maple pole/log, lots nearing log size, a good mix of hemlock/cedar. Scattered more open canopy gaps with R maple stump sprouts. The quality/form throughout is average. NW/W of stand has better quality R maple, tall trees. Scattered low wet areas, mainly upland. 50-80BA mainly, lots of pole trees with canopy space and crown room to grow. The R maple have smaller crowns, lots of sunlight reaching the forest floor, good regen coming in, scattered hemlock pockets in the stand as well. Re-assess in 10 years. Stands 2, 39, and 40 were all originally one stand that was then split into 3 stands in 2025.																																																																													
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3	6120 - Lowland Cedar	Poletimber Well	27.8	116	111-140	N/A	More cedar than hemlock. A few scattered hemlock, cedar seedlings along edge into stand 2. Trace amount of white pine. Quite a bit of red maple.2025: Accurate above comments. Lots of cedar nearing log size or just at log size. Dense, lots of dead fallen over cedar, classic cedar stand. Mixed in R maple and hemlock throughout, mainly along edges and slightly higher ground. Wet ground mainly, tightly packed together trees, fir regen high, especially in open canopy areas.																																																																													
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4	6120 - Lowland Cedar	Poletimber Well	3.3	116	51-80	N/A	Cedar with ash, fir. Cedar is in large pockets with smaller pockets containing the ash,fir.2025: Area is very wet, standing water and lots of tag alder. Cedar is in pockets, lots of standing dead fir.																																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
5	4139 - Aspen, Mixed Deciduous	Poletimber Well	29.4	58	51-80	N/A	OPIC - FMD: A5M4F4, CUT 1975. Mix of aspen, red maple, paper birch and fir. Timber is mature to overmature (40 - 54 yrs old) - NENW portion cut under permit #17-70 from 1971-1975, with NWNE portion cut under permit(s) #15/60 and 14/63. Treat as one stand now.2025: Aspen is ready to be cut, aspen dominant mainly 8-10", some scattered R maple poles 8-10", few logs. Trace amounts of cedar, hemlock, BAM, Y birch. Good amount of fir and R maple regen. Some lower wet areas, mainly near edges. Dead fir scattered throughout. Pockets of regen in more open canopy dieback areas. SE stand edge has a cedar pocket and maple regen pockets with some standing water in some areas.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	30	Pole	8		Balsam Fir	High		Variable	Variable
Paper Birch	5	Pole	8		Red Maple	Medium		Variable	Variable
Quaking Aspen	55	Pole	8	58					
Balsam Fir	10	Pole	8						
6	4110 - Sugar Maple Association	Sawtimber Well	7.9	105	111-140	N/A	OPIC - FMD: Cut next treatment period with stand 5. BETTER TREES ON WEST SIDE, Winter job, access across pvt. Wet area to cross to get to stand. 2015: North portion contains some large diameter aspen. Lots of balsam fir in the understory. Pockets of maple regeneration that are getting above deer, but most has been browsed. 2025: Accurate above comments. Mainly S maple pole/log, few R maple pole/log, few scattered large diameter aspen. Few small wetter areas scattered. BA spins consistently above 100, stand needs to be thinned. Trees avg 5-6 sticks, few scattered large diameter W spruce. Access thru private property is needed, Carlyon's (private property owners) are currently in the process of selling the property.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	80	Log/Pole	11	105	Balsam Fir	High		Variable	Variable
Red Maple	10	Log/Pole	10		Sugar Maple	Medium		Variable	Variable
Quaking Aspen	8	Log	14		Ironwood	Low		Variable	Variable
White Spruce	2	Log/Pole	12						
7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	15.0	105	51-80	N/A	OPIC - FMD: M5A4B4F4Q4. Mix of aspen, red maple, fir with some paper birch. Aspen is mature; fir is dying - should treat now. Was treated under "RT Special" sale (unit 4) #008-07 in Jan, 2009 and 2010. Most aspen was not harvested at that time to maintain BA.  Stand update 2024 Inventory, SF: combined with 4 acre part of stand 36 in comp 32027 because it was treated with this stand under "RT Special" sale #008-07, unit 4.2025: Accurate above comments, R maple and aspen components are pretty even, few scattered cedar pockets. Aspen is old, overmature, quality is not great. Scattered P birch and fir, trace spruce. Lots of the fir is dead standing.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	35	Pole	9	105	Balsam Fir	High		Variable	Variable
Paper Birch	8	Pole	8		Red Maple	Medium		Variable	Variable
Quaking Aspen	35	Pole	9	58					
Balsam Fir	20	Pole	8						
Northern White Cedar	2	Pole/Log	8						
8	4139 - Aspen, Mixed Deciduous	Sapling Medium	50.5	16	Immature	N/A	OPIC - FMD: F2F1M1, Cut prmt# 08-07-01, in 2009-2010 - "RT Special". Aspen, red maple saplings with residual 1 stick maple, fir and cedar - residual cedar is heavier, in places.2025: Accurate above, mainly 2-3" aspen, most aspen below pole size, few poles. Mixed in R maple and fir sap, few maple and fir poles. Few scattered cedar pockets. Scattered low ground.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	30	Sapling	2		Balsam Fir	Low		Variable	Variable
Quaking Aspen	45	Sapling	3	16	Red Maple	Medium		Variable	Variable
Bigtooth Aspen	5	Sapling	3						
Balsam Fir	10	Pole/Sapling	6						
Northern White Cedar	5	Pole	8						
Black Cherry	5	Sapling	3						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	10.8	78	81-110	N/A	OPIC - FMD: A6F4M4, Small island of upland surrounded by wet area. Pockets with aspen, pockets with red maple; heavy balsam fir throughout. Winter access only.2025: Accurate above. Very wet ground surrounding the stand. Lots of dead standing fir, lots of fir regen, dead spruce/fir all throughout. Overmature large aspen, mixed with lots of red maple pole/log. Trace amounts of cedar/spruce. Winter harvest only, also private access. An island like stand surrounded by low wet ground on all sides.																																																		
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10	6120 - Lowland Cedar	Poletimber Well	72.5	116	51-80	N/A	OPIC - FMD: E4E2 LOW WET; PROBABLY NEVER BE OPERABLE. 2015: Predominately cedar with small diameter ash, fir and spruce. Pockets of upland maple/fir scattered.2025: Very accurate above. Very wet ground, few cedar logs, pole dominant. Small upland pockets scattered. Dense stand, lots of tag alder and fir in the subcanopy. Especially wet in the south, borders up to flooded out tag alder stand.																																																		
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11	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	11.7	6	1-50	N/A	OPIC - FMD: E6E7Q4 POOR QUALITY,MOSTLY R MAPLE,SOME LOGS. WET. 2015: Treat with stand to the north (2016 POW). Stand was cut in 2019 (Parker CNN sale #32-027-16). 2025: R maple and aspen clumps scattered, few larger W pine, most are dead. Good amount of fir regen scattered, some spruce too. The white spruce left behind from the last harvest is mostly dead standing. Some scattered cedar pockets. Sapling stand with scattered wet low ground areas, R maple dominant, some tag alder present near wet areas.																																																		
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12	122 - Road/Parking Lot	None	1.8			No	County Road RM and R.O.W.																																																		
13	6122 - Black Spruce	Poletimber Well	4.2	84	51-80	N/A	OPIC - FMD: S4S3 ALMOST A BOG. 2025: Under contract with timber sale Yellow Brick Road #32-006-23.																																																		
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14	6220 - Alder/Willow	None	2.7			No	Lowland brush with scattered timber along County Road.2025: Accurate above comments. Mainly tag alder with scattered spruce/fir, B pop, Ash. Wet standing water present in spots.																																																		
15	6120 - Lowland Cedar	Poletimber Well	14.7	127	51-80	N/A	OPIC - FMD: E5E1L ONLY A FEW PATCHES OF MERCH TIMBER ON LOW KNOBS. 2015: Narrow ridge of maple, aspen, fir in center of stand - too small to separate out as stand.2025: Very accurate above. Trace P birch, hemlock, aspen. Understory with ash ,fir ,tag alder, fir dominant. Narrow upland hdwd ridge. Mainly cedar poles, few logs, with scattered fir, BAM, ash, Y birch, R maple. Old road/trail goes thru the stand, heavy component of fir along the road, the road is starting to fill in with trees but overall is in good shape until it gets near the intersection with the aspen stand and flooded out beaver area.																																																		
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16	6120 - Lowland Cedar	Poletimber Well	34.5	123	51-80	N/A	Nice cedar - patches of tamarack, spruce and individual scattered tamarack, spruce. Paper birch scattered throughout. Cedar regeneration in understory, anywhere from 2 - 10 ' tall. 2025: Accurate above, C6 stand, very dense with lots of trees and regeneration. Pockets of tamarack, B spruce, tag alder, scattered P birch. Trace amounts of B. pop, Y birch, and R maple. Low wet ground throughout. Good cedar regeneration.																																																																														
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17	6120 - Lowland Cedar	Poletimber Well	5.6	120	51-80	N/A	Mix of cedar, ash, fir and balsam poplar along county road.2025: Accurate above comments. Trace amounts of spruce, Y birch, W pine. Area is wet, standing water in spots, grass in spots. Areas of pure ash and alder/willow. Lots of the fir is standing dead, some dead ash to. Low quality trees throughout the area.																																																																														
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18	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	49.3	105	81-110	N/A	"Findley Farm Block" #009-87-1, cut 1991-1993, removing aspen, spruce/fir, cedar and some white pine. All hardwood, birch, hemlock left. 2015: Far west pocket contains overmature aspen; also red maple, paper birch, fir. Thin strip along private line (south) is red maple, fir, cedar. Cedar is upland cedar and occurs in pockets and individual trees. Small drainage 2-3 chains wide separates the two high ground maple areas.2025: accurate above comments. Pockets of B. pop poles, wet areas scattered throughout with alder/ash, one low wet ground drainage appears to cut the stand in half going North/South. Lots of the fir is dead standing. Trace amounts of spruce, hemlock. Majority of the stand is R maple pole, some R maple log, with scattered cedar/fir/B pop/aspen. Dense fir regen in understory, good portion is dead standing. West edge has ok quality hdwd, S/R maple poles/logs with fir regen, little maple regen. Stand could use a thinning if access is gotten to get through private property. The stand is surrounded by low wet ground and low ground drainages within.																																																																														
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19	6220 - Alder/Willow	None	7.4			No	OPIC - FMD: E4L LOW,WET NON-PRODUCTIVE. 2015: predominately ash; cedar and fir scattered throughout.2025: Very accurate above comments. Mainly low very wet ground, standing water in areas. Mainly a tag alder/willow swamp with some dead standing trees. Few scattered pockets of upland ground with some scattered fir, maple. Scattered ash, cedar, and fir. Wet tag alder swale area continues east towards private property. Overall mainly a willow/alder wet ground swale, few scattered trees throughout the stand, non-productive.																																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
20	6120 - Lowland Cedar	Poletimber Well	118.4	123	81-110	N/A	EB, 4/2022 - Large areas of overstory paper birch and ash but cedar is too dense underneath main canopy for management. Poor quality cedar. Some ash, maple, birch, spruce scattered throughout and some in pockets. Lots of the ash is unmerchantable. Better quality cedar on the south end below stand 38.2025: Accurate above comments. Cedar dominant, dense stand of poles, little to no logs, other species are scattered throughout and in pockets. Ash and tag alder pockets in open canopy areas and wet ground. Trace amounts of Y birch. Quality of cedar is not great, lots of dead fallen over cedar.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole/Log	7		Red Maple	Low		Variable	Variable
Paper Birch	15	Pole/Log	9		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	3	Pole/Sapling	7		Black Ash	Medium		Variable	Variable
Black Spruce	2	Pole/Sapling	7		Balsam Fir	High		Variable	Variable
Northern White Cedar	65	Pole	8	123	Northern White Cedar	Low		Variable	Variable
Black Ash	10	Pole/Sapling	6						
21	4134 - Aspen, Spruce/Fir	Poletimber Well	206.2	35	51-80	N/A	OPIC - FMD: CUT, PERMIT #020-87-1 "McFarland Aspen" - cut 1988 - 1991. Aspen on higher ground, balsam poplar on lower grounds - both with fir understory. Numerous drainages, some flooding of timber due to adjacent beaver activity.2025: Very accurate above, trace amounts of S/R maple, spruce/fir, P birch, and cherry poles. Aspen sizes variable throughout, 3-5 stick avg. Lots of wet areas throughout, lots of drainages and flooded out areas. Portions of the roads thru the stand are flooded out from beaver activity and growing in with trees. Overall A6 stand with mixed in fir/BAM poles and an understory of maple/fir regen. Lots of beaver sign/activity, stand is surrounded by wet low ground.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	70	Pole	7	35	Balsam Fir	High		5 - 10 feet	5 - 10 feet
Balsam Poplar	10	Pole	7	35	Black Ash	Low		Variable	Variable
Balsam Fir	20	Pole	6		Sugar Maple	Low		Variable	Variable
					Red Maple	Medium		Variable	Variable
					Tag Alder	Low		5 - 10 feet	5 - 10 feet
					Black Cherry	Low		Variable	Variable
22	42330 - Upland Fir	Sapling Well	10.4	24	1-50	N/A	OPIC - FMD: M4 , CUT PRMT#007-97-01. Some fir and aspen coming in under the maple. Residual cedar.2025: Fir dominant sap/pole, mainly sap, few poles around 5-8". Lots of fir and R maple regen saplings, few scat R maple poles. Some scattered P birch sap/poles, few scat cedar poles. Trace amounts of scat cherry, Y birch, spruce. Overall sap/pole fir trees with mixed in R maple and a few birch/aspen/cedar. Dense stand with lots of small stems/trees.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	15	Pole/Sapling	7	104	Balsam Fir	High		Variable	Variable
Paper Birch	5	Pole/Sapling	5		Red Maple	High		Variable	Variable
Quaking Aspen	5	Pole/Sapling	6						
Balsam Fir	70	Sapling/Pole	4	24					
Northern White Cedar	5	Pole	8						
23	6239 - Mixed Emergent Wetland	None	44.1			No	Old beaver flooding. Dead cedar; tagalder.2025: Open water, mainly cat tails and dead cedar with lots of tag alder. Few scattered trees along the edges, lots of beaver sign.		
24	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	44.3	120	51-80	N/A	Mix of cedar and ash with red maple - ash is small, red maple is scattered. Some flooding of timber. Contains isolated patches of higher timber.2025: Very accurate above comments. Low wet ground, standing water in areas, tag alder/fir/ash regen is heavy throughout. Few larger diameter scattered B poplar, cedar, R maple. Mainly cedar, ash, fir pole dominant, trace amounts of Y birch, P birch, spruce, and some scattered R maple. Variable BA mainly 51-80, scattered stocking and more open canopy areas with some isolated higher ground areas.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole	7		Balsam Fir	High		5 - 10 feet	5 - 10 feet
Balsam Poplar	10	Pole/Log	8		Tag Alder	High		5 - 10 feet	5 - 10 feet
Balsam Fir	20	Pole/Sapling	7		Black Ash	High		10 - 20 feet	10 - 20 feet
White Spruce	2	Pole/Sapling	6						
Black Spruce	3	Pole/Sapling	6						
Northern White Cedar	30	Pole/Log	8	120					
Black Ash	30	Pole/Sapling	6						





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
29	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	59.0	97	51-80	N/A	Ash is dead or dying. Very wet. Places where it is heavier to cedar and red maple, ash and fir are mixed in. Places where ash is heavy and red maple, cedar, and balsam fir is mixed in.2025: Very accurate above comments. Wet low ground, lots of the ash is dead, also a good amount of dead standing fir. Trace amounts of Y birch, P birch, tamarack, spruce, R maple sap. Areas of dieback, more open canopy areas with tag alder underneath. Variable stocking and species composition, cedar pockets, ash pockets, few scattered more upland timber pockets.																																																	
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30	4113 - R.Maple, Conifer	Poletimber Well	28.8	86	111-140	N/A	OPIC - FMD: FAIR TO POOR QUALITY. Very wet areas to cross to get to the stand. 2015: Almost pure red maple with other spp. mixed in. 2025: Very accurate above comments, low wet areas scattered throughout, stand is surrounded by low wet ground. Lots of dead standing fir, especially in the east lump of the stand. R maple dominant, mainly poles, majority of poles on the verge of becoming log size. Areas of blowdown, mainly dead fir, lots of fir regen. Little maple regen to be found. Slightly more of a hemlock/cedar component compared to stand 27 to the northeast.																																																	
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31	6220 - Alder/Willow	None	10.6			No	Lowland brush with scattered timber along County Road.2025: Accurate above, mainly tag alder, few scattered cedar, BAM, B spruce, willow. Trace amounts of R maple, tamarack, P birch. Lots of areas of open water, pretty much identical to stand 14.																																																	
32	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	111.9	121	81-110	N/A	Most of the ash is small diameter 3-7" dbh; some 7" +, but not much. Balsam fir, yellow birch and red maple are mature. Cedar is found throughout - some times in heavy clumps and some times scattered with mainly ash. Wet area surrounded by wet. 2025: Very accurate above comments. Few logs of any species, mainly cedar poles with ash poles/sap, and a lot of tag alder and fir in the understory. Some of the fir and ash is dead standing, area has very wet ground. Not enough of a maple/birch component for harvesting to be feasible right now and the quality is not great. The ash size/quality are both lacking as well. Stand is dense with smaller cedar poles, ash, tag alder, and fir across the understory.																																																	
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33	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	36.8	116	51-80	N/A	OPIC - FMD: E4E2 LOW WET BLACK ASH PROBABLY NEVER BE OPERABLE. 2015: Lots of 2-3" ash that is not merchantable. Heavy to cedar. Small island of upland in east portion of stand.2025: Accurate above, very wet stand, standing water throughout. Lots of dead standing fir. R maple growing on hummocks, grass tufts above the water.																																																	
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34	6220 - Alder/Willow	None	1.9			No	Lowland brush with ash.2025: Wet standing water, cat tails all over with alder/willow. Few scattered trees, B pop, Ash, Cedar, R maple.																																																	





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
44	42340 - Upland Spruce/Fir	Poletimber Well	12.3	103	81-110	N/A	Stand contains narrow ridges and raised humps with lowland areas in between. Spruce ground is not too wet and appears to be a few feet higher than adjacent cedar stand with a lot of spruce ground being dry upland type. Large diameter aspen on ridge across the south edge.  2025: Under contract with timber sale Yellow Brick Road #32-006-23.																																																							
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45	6120 - Lowland Cedar	Poletimber Well	84.8	116	81-110	N/A	OPIC - FMD: Q5Q3E4 SMALL TREES,GOOD STOCKING. Primarily Cedar with some fir, spruce paper birch and ash.2025: Accurate above comments. Cedar is well stocked, dense tree cover with lots of fir in the understory, very few cedar logs. P birch scattered growing in more open areas with B pop and R maple scattered to. Classic cedar stand, dense, good amount of dead fallen over trees.																																																							
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46	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	18.1	24	Immature	N/A	OPIC - FMD: CUT PRMT#007-97-01 - cut 2000-2001. Coming back to balsam fir and spruce where it was cut heavy. Cedar is the residual. 2025: Lowland wet areas lots of cedar and ash. Mainly young sap/pole fir mixed in with a good amount of cedar pole/log, and some scattered ash, R maple, and a little bit of aspen. Trace amounts of spruce, P birch, Y birch, cherry, B pop. Lots of fir regen, some maple. Standing water and tag alder in areas, these areas are also heavy to ash.																																																							
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47	4136 - Aspen, Mixed Conifer	Sapling Well	23.5	24	Immature	N/A	OPIC - FMD: CUT PRMT#007-97-01 "Turin Tower Block" - winter 2000 and 2001. 2015: Some pole sized red maple was left scattered throughout the stand (10"dbh, 5 stick). Cedar regeneration can be found in some areas.2025: Mainly aspen sap/pole 3-6" avg, most of the aspen is right below or around pole size. Regen is mainly fir and R maple, both similar components. Trace amounts of cherry, Y birch, spruce, S maple. Quality of aspen seems ok, some larger pole sized scattered 8"+ aspen and R maple. Also some scattered P birch and P birch pockets, few scattered cedar logs.																																																							
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52	6120 - Lowland Cedar	Poletimber Medium	6.4	100	51-80	N/A	OPIC - FMD: MOSTLY TAG ALDER. 2015: Small cedar with black ash, balsam fir and tagalder.2025: Low tag alder area with cedar, R maple, fir, spruce, ash. Cedar dominant, scattered above species within the cedar. Good portion of ash mixed in with the tag alder. R maple and P birch mainly along road, some dead standing fir, overall mostly small cedar with fir and tag alder.																																																								
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53	4130 - Aspen	Poletimber Well	57.6	30	1-50	N/A	Dense aspen large sapling to small pole sized trees. Dense understory of saplings. Wet areas within. OPIC - FMD: CUT PRMT.# 27-92-01, A3 IS NOW 2-4" DBH, 20-30 FT TALL2025: Aspen sap/pole 3-6"avg, some larger 8"+ scattered poles, majority at or nearing pole size. Scattered fir and some larger diameter white spruce. High presence of R maple saplings under the aspen. Dense stocking with the aspen sap/pole and R maple sap. Few pole sized R maple scattered. Low ground wet areas near stand edges, stand is surrounded by wet ground except in the north.																																																								
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54	6120 - Lowland Cedar	Poletimber Well	89.7	113	81-110	N/A	OPIC - FMD: TAG ALDER,AVE DBH 4" CEDAR,ASH,FIR. 2015: Mostly 5-7" DBH cedar with small diameter ash, red maple. A few paper birch and spruce scattered throughout the stand.2025: Accurate above, dense stand of cedar, tag alder mixed throughout with fir and B spruce regen. Good amount of R maple and B spruce mixed in with the dominant cedar. Some scattered birch and ash as well. Variable size classes of cedar, lots of cedar nearing/around pole size 4-5" and then lots of 8"avg cedar poles. Trace amounts of W pine, bog leatherleaf also present.																																																								
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55	4134 - Aspen, Spruce/Fir	Sapling Well	23.5	24	Immature	N/A	OPIC - FMD: F2A2, WET ALL AROUND STD. 2015: Permit #007-97 "Turin Tower Block" - cut 2000-2001. Fully stocked aspen stand with patches of 1-3 stick balsam fir and an occasional cedar. 2025: Accurate above, upland area surrounded by low ground cedar. Aspen sapling dominant, very few poles. Some scattered fir and B spruce sap/pole mixed in. Understory mix of fir and R maple sap. Few scattered larger pole size fir/spruce/cedar. Trace amounts of large diameter W pine.																																																								
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56	6220 - Alder/Willow	None	4.1			No	Beaver pond flooded and backing up into lowland conifer stands.2025: Accurate above, lots of tag alder throughout with standing water and a good amount of dead standing fir/spruce. Some scattered cedar sap/pole, the only living trees in the flooded out tag alder area. Trace fir seed/sap in understory.																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
57	4134 - Aspen, Spruce/Fir	Poletimber Well	15.5	46	81-110	N/A	T. sale # 11/77A "McFarland Block" - cut 1977 - fall, 1978. Trace paper birch and tamarack. Some cedar along the border of the stand. Aspen ranges from 5-9" dbh, fir 3-8" dbh, and red maple 9-12" dbh. Tagalder on north end near edge of roadway.2025: Accurate above comments. Majority of the fir is dead standing (budworm). Few large overstory spruce. 4-5 stick aspen mainly, some mixed in R maple pole/log, and a good amount of fir mixed in. Few scattered cedar pockets throughout. Trace amounts of Y birch, tamarack, B pop, cherry, hemlock, B spruce. Few R maple logs, not of great form/quality, few aspen logs, stand should be treated before aspen starts to decline. Fir pockets throughout as well. Stand is surrounded by low wet ground with tag alder, cedar, and B spruce.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	14	Log/Pole	11		Balsam Fir	High		Variable	Variable
Paper Birch	3	Pole	8		Red Maple	Medium		Variable	Variable
Quaking Aspen	50	Pole	9	46	White Spruce	Low		Variable	Variable
Balsam Fir	20	Pole	7						
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Northern White Cedar	5	Pole/Log	9						
Tamarack	3	Pole	8						
58	6120 - Lowland Cedar	Poletimber Medium	14.4	116	1-50	N/A	OPIC - FMD: SPARSE AND TAG ALDER UNDERSTORY, AREA NEAR RD HAS BEAVER PROB. 2015: The north end of the stand is lowland and the south end is upland with some mature birch, red maple and balsam fir.2025: Accurate above comments. North part of the stand is very similar to stand 62 to the east but with larger diameter trees. Heavy tag alder with scattered cedar, tamarack, spruce, ash. Trace birch, fir, R maple. South half is more upland with more of a R maple, fir, and birch component.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Pole	8		Balsam Fir	Medium		Variable	Variable
Paper Birch	5	Pole	9		Tag Alder	High		5 - 10 feet	5 - 10 feet
Balsam Fir	20	Pole	7		Northern White Cedar	Trace		5 - 10 feet	5 - 10 feet
Northern White Cedar	55	Pole	8	116					
Tamarack	5	Pole	8						
Black Ash	5	Pole	7						
62	6224 - Treed Bog	None	274.0			No	OPIC - FMD: S5S3 WELL-STOCKED 4-5" DBH,BOG-TYPE SITE. 2015: Mix of lowland, bog, small spruce. SW corner small spruce.2025: Bog with lots of tag alder, few scattered B spruce sap/pole 3-5", scattered cedar sap/pole 3-5", scattered tamarack sap/pole 3-5", trace amounts of P birch sap, good amount of dead standing cedar. Pretty open area, mainly tag alder with scattered trees, lots dead (cedar mainly), lots of grass, standing water in areas.		
64	4110 - Sugar Maple Association	Sawtimber Well	16.7	105	111-140	N/A	OPIC - FMD: Cut prmt.#007-97-01 "Turin Tower Block" - thinned 2000-2001. 2015: Nice maple stand. Trace amounts of hemlock, yellow birch and ironwood. There are places where the sugar maple regen is 15-20' tall, but most of it is 2-3' tall and browsed. 2025: Under contract with timber sale Yellow Brick Road #32-006-23.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	75	Log/Pole	10	105	Balsam Fir	Medium		< 5 feet	< 5 feet
Red Maple	15	Log/Pole	10		Sugar Maple	Medium		10 - 20 feet	10 - 20 feet
Basswood	10	Log/Pole	12		Red Maple	Medium		5 - 10 feet	5 - 10 feet
					Ironwood	Medium		10 - 20 feet	10 - 20 feet
66	6124 - Lowland Spruce-Fir	Poletimber Well	16.2	95	51-80	N/A	OPIC - FMD: OI Stand Year Origin was 1930. Stand has pockets of mature black spruce on the west and ash on the far west. Cedar is mainly through the center. 2025: Very wet ground, scattered open water and pockets of tag alder. Scattered cedar pockets, some scattered R maple, fir, spruce, ash. Lots of spruce/fir dead standing, pockets of ash, most of the fir is dead. Trees pretty spaced out, other than cedar pockets. Bog leatherleaf present. Trace amounts of Y birch, W pine.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole	7		Balsam Fir	Medium		Variable	Variable
Paper Birch	5	Pole	6		Red Maple	Trace		Variable	Variable
Balsam Fir	25	Pole/Sapling	7	50	Tag Alder	Medium		10 - 20 feet	10 - 20 feet
Black Spruce	25	Pole	8		Black Spruce	Low		< 5 feet	< 5 feet
Northern White Cedar	30	Pole/Log	9	95					
White Pine	5	Log	12						
Black Ash	5	Pole	8						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
85	790 - Other Bare/Sparsely Vegetated	None	13.7			No	OPIC - FMD: M-35+ROW			
86	790 - Other Bare/Sparsely Vegetated	None	6.1			No	OPIC - FMD: OLD M-35 and RR ROW.			
89	790 - Other Bare/Sparsely Vegetated	None	4.0			No	OPIC - FMD: M-35 + ROW			
93	6120 - Lowland Cedar	Poletimber Well	6.2	116	81-110	N/A	OPIC - FMD: OI Stand Year Origin was 1892.2025: Mainly cedar poles, some logs, scattered R maple pole, some logs, scattered hemlock log, fir/ash poles. Trace amounts of spruce, W pine, birch. Lots of the fir is dead standing. Ground is wet, standing water in many areas. Some more open canopy areas scattered.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		15	Pole/Log	8		Black Ash		Low	Variable	Variable
Balsam Fir		10	Pole	8		Balsam Fir		High	Variable	Variable
Northern White Cedar		65	Pole/Log	8	116	Red Maple		Medium	Variable	Variable
Hemlock		5	Log/XLog	15		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Black Ash		5	Pole	7						