



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52189

Entry Year 2024

Acreage: 2,323

County Cheboygan

Management Area: Cheboygan Lake Plain

Stand Examiner: John Scheele

Legal Description:

T36N – R01W Sections 23 – 27 and 34 – 36

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and topography:

There are 4 general soil type associations in the compartment. The Tawas-Lupton Association soils are located in the central part of the compartment and are very poorly drained. The Detour-Brevort Association soils are located in the northeastern part of the compartment and are somewhat poorly drained. The Au Gres-Rubicon-Roscommon Association soils are located in the central part of the compartment and are excessively to very poorly drained. The Cheboygan-Blue Lake Association soils are located in the far southwest corner of the compartment and are moderately to well drained. The entire compartment is nearly level except for a relatively steeper ridge in the southwest corner of the compartment.

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

The southern boundary of the compartment is adjacent to a larger, contiguous state ownership. The northern and central parts of the compartment are fragmented with common boundaries to medium sized parcels of private ownership. Most of the private parcels are absentee ownerships used for recreation.

Unique Natural Features:

The Natural Features Inventory database indicates the possible presence and potential of Red-shouldered hawk in, and around, the compartment. Blanding's turtle and Massasauga potential in lowland cover types and the spike lipped crate has been recorded in the vicinity. Potential for calypso bulbosa, round leaved orchid, limestone oak fern and cypripedium arietinum in lowland cover types.

Archeological, Historical, and Cultural Features:

A search of the Archeological Sites database indicated no concerns. However, there is archeology potential throughout the compartment.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

This compartment contains a portion of Little Mud Creek, a tributary to Black Lake. A 100' no-clear cut buffer should be maintained along the waterbody.

Wildlife Habitat Considerations:

This compartment consists of a mixture of upland and lowland types. The lowland areas support a variety of species including black bear, white-tailed deer, furbearers, and various amphibians. The upland areas consist of a mix of aspen, hardwoods, and a small component of white and red pine. A number of aspen stands will be treated to provide early successional habitat that will benefit white-tailed deer, elk, wild turkey, grouse, woodcock and various songbirds. This area receives significant hunting pressure for white-tailed deer, grouse, woodcock, and wild turkey.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till to the north, lacustrine (lake) sand and gravel and minor dune sand and ice-contact sand and gravel. The glacial drift thickness varies between 50 and 400 feet, thickening to the west. The Devonian Traverse Group, Bell Shale and Dundee Limestone subcrop below the glacial drift. These formations are quarried for cement and stone elsewhere in the State. Gravel pits are located in Sections 20 and 29 and the compartment has gravel potential. The nearest oil and gas production, the Guelp (former Niagaran) Reef Trend, is located 18 miles to the south. The Compartment is leased for the Collingwood/Utica Shale Formations exploration.

Vehicle Access:

The south half of the compartment is accessible by Merchant and Red Bridge Roads, which are seasonal county roads, and a few state forest two-tracks. The north half has limited access because of the fragmented ownership. Grant Siding and Kelly Roads are also seasonal county roads that provide very limited access.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

The North Eastern State Trail runs through the center of the compartment. This is a snowmobile and non-motorized recreation trail between Cheboygan and Alpena. The Michigan Shore to Shore Trail is located along the west boundary of the compartment on Merchant Road. This is a non-motorized, horse and hiking trail. There are other numerous outdoor recreational activities with hunting, berry picking, and mushrooming being the most common activities.

Fire Protection:

No significant fire concerns at this time.

Additional Compartment Information:

The following reports from the Inventory are attached:

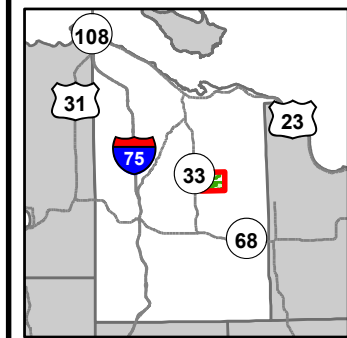
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

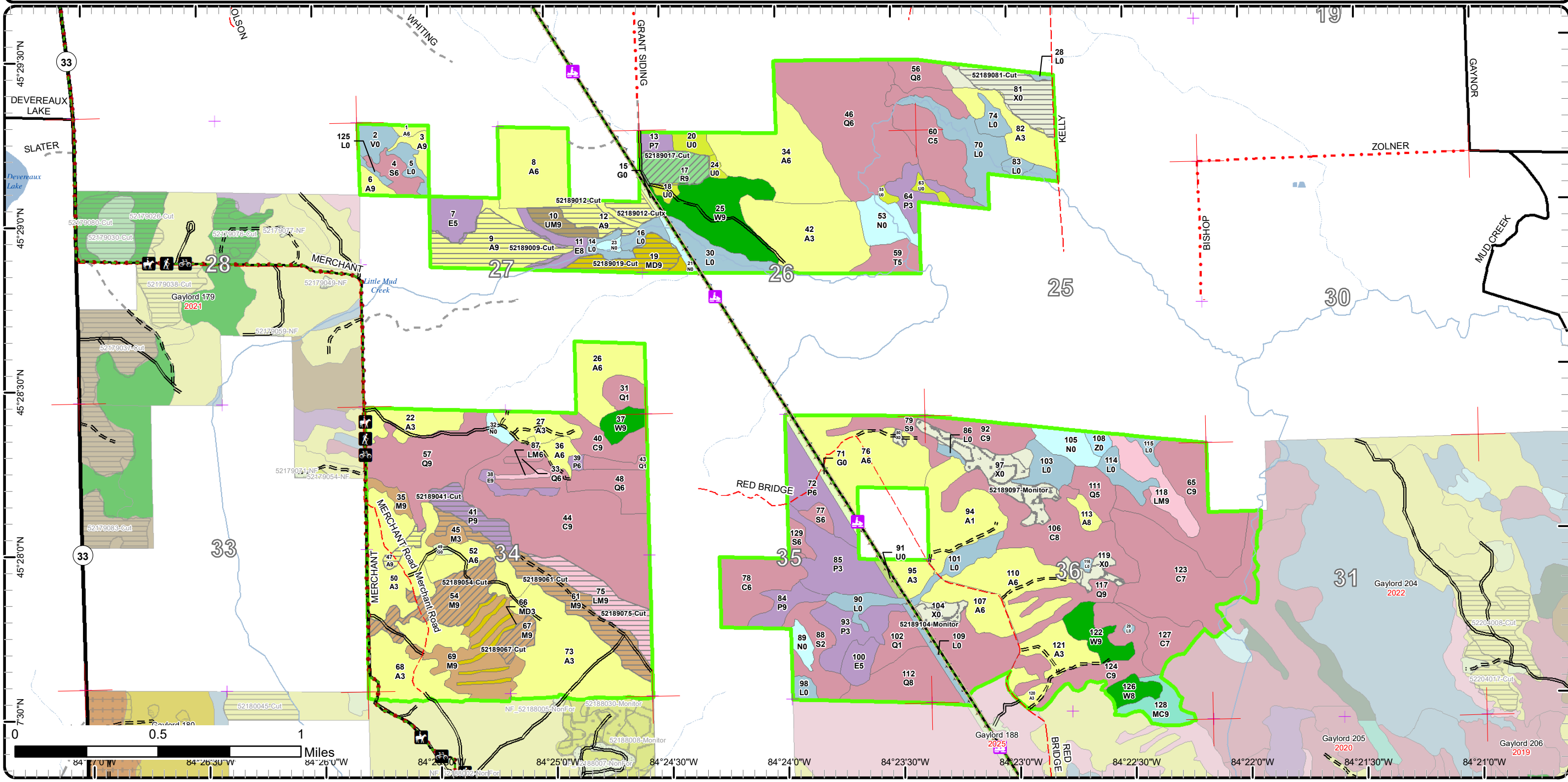
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 189
 T36N, R01W, Sec. 23-27, 34-36
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2024
 Acres: 2323 GIS Calculated
 Examiner: John Scheele
 Map Revised: 11/15/2022
 Map Phase: Post-Review

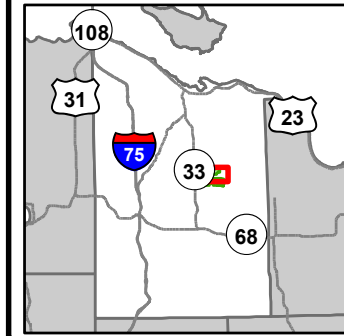


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Horse Trails
- Snowmobile Trails
- - - Designated Hiking Trails
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- — — Designated RailTrail
- — — Intermittent Stream
- — — Lake/Pond
- — — Perennial River
- — — Lakes and Rivers
- — — Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees

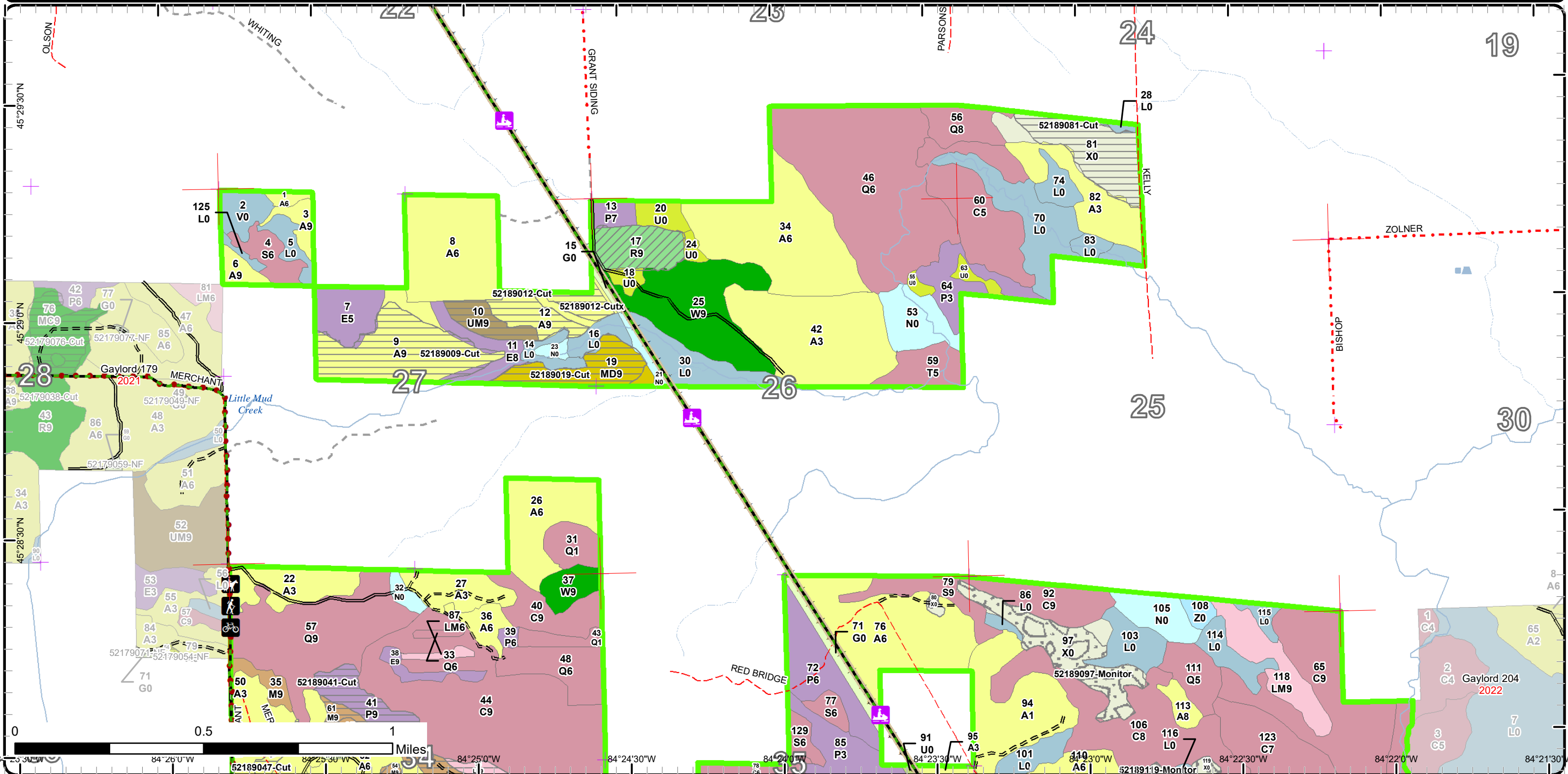


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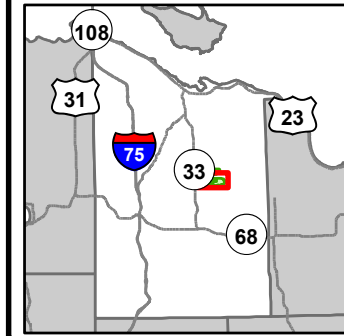


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|---------------------------------|--------------------------------|-------------------------------------|---------------------------------------|
| — Miris Corners | — Snowmobile Trails | ▨ Thinning (Crown, Low, Systematic) | ▨ 623 - Emergent Wetland |
| — Remonumented Section Corners | — Designated Hiking Trails | ▨ Regeneration Survey | ▨ 790 - Other Bare/Sparsely Vegetated |
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| — DNR - Forest Access Route | — Designated Snowmobile Trails | ▨ 421 - Planted Pines | |
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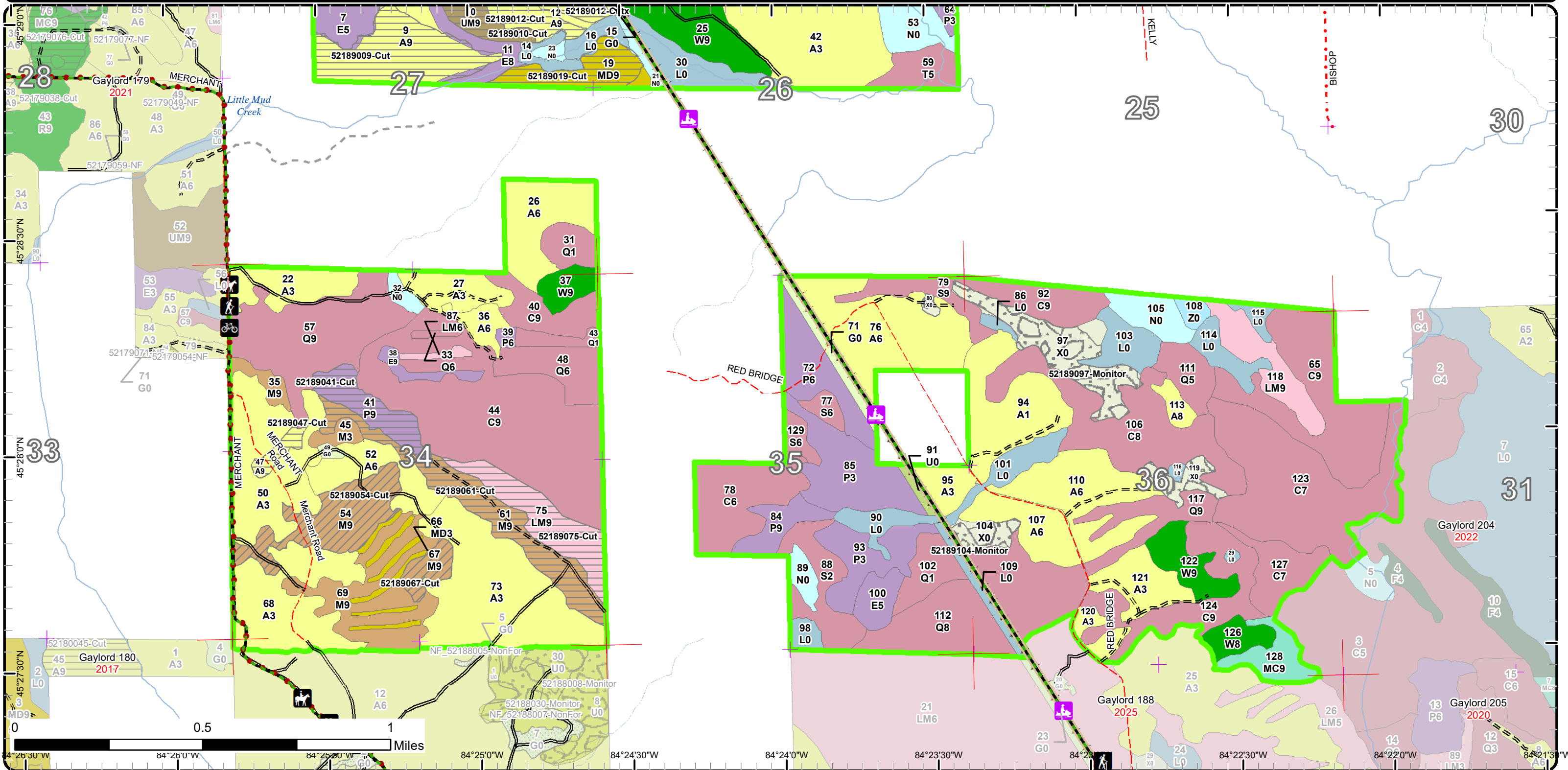


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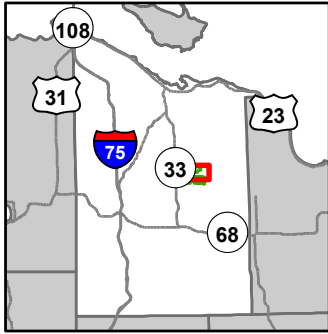


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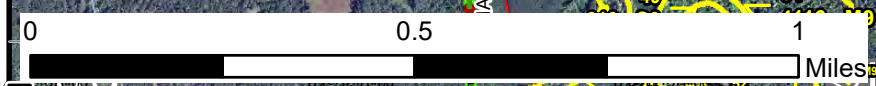
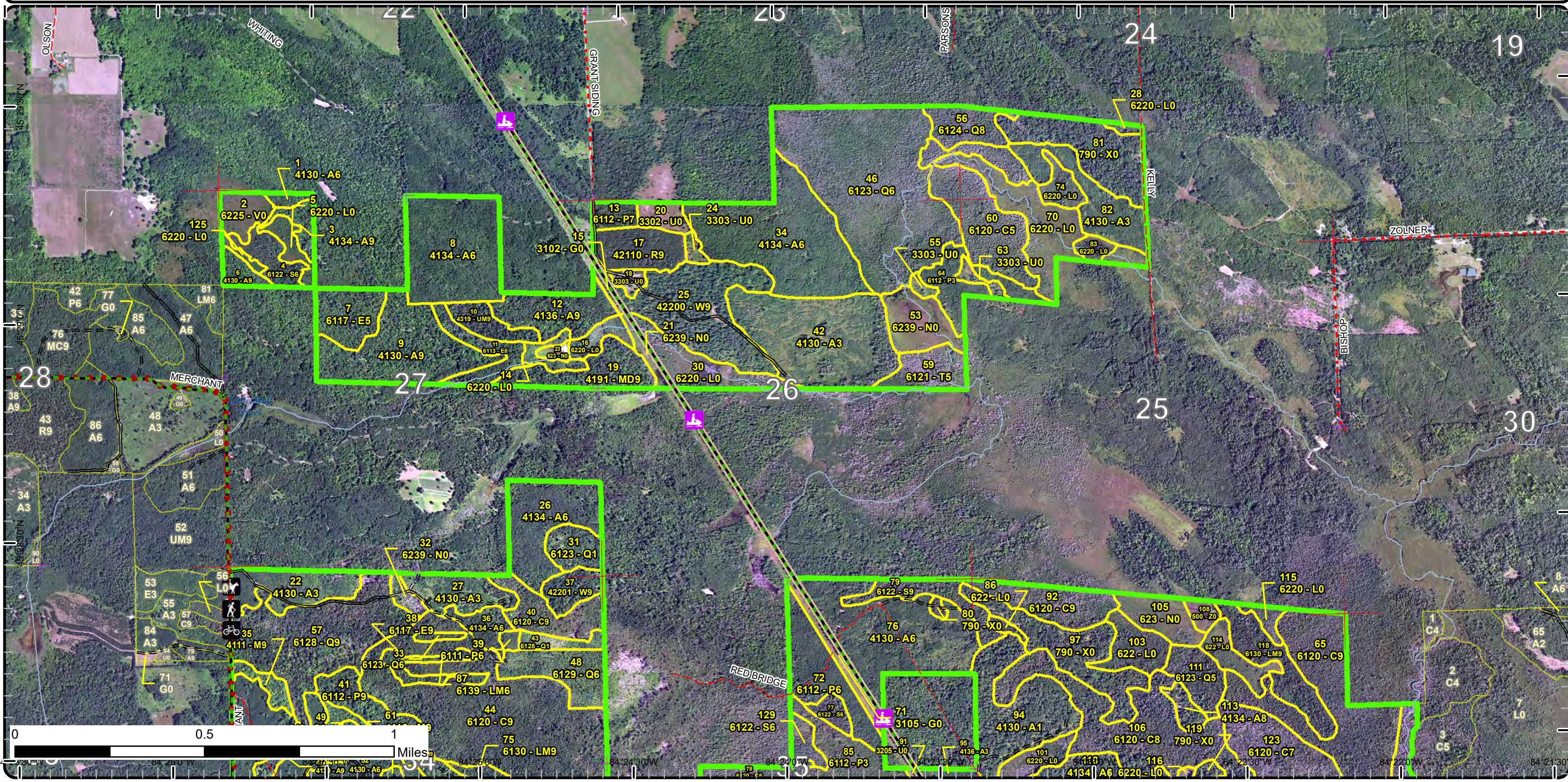
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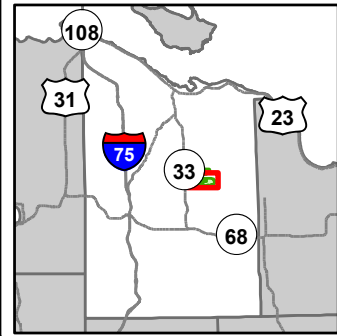
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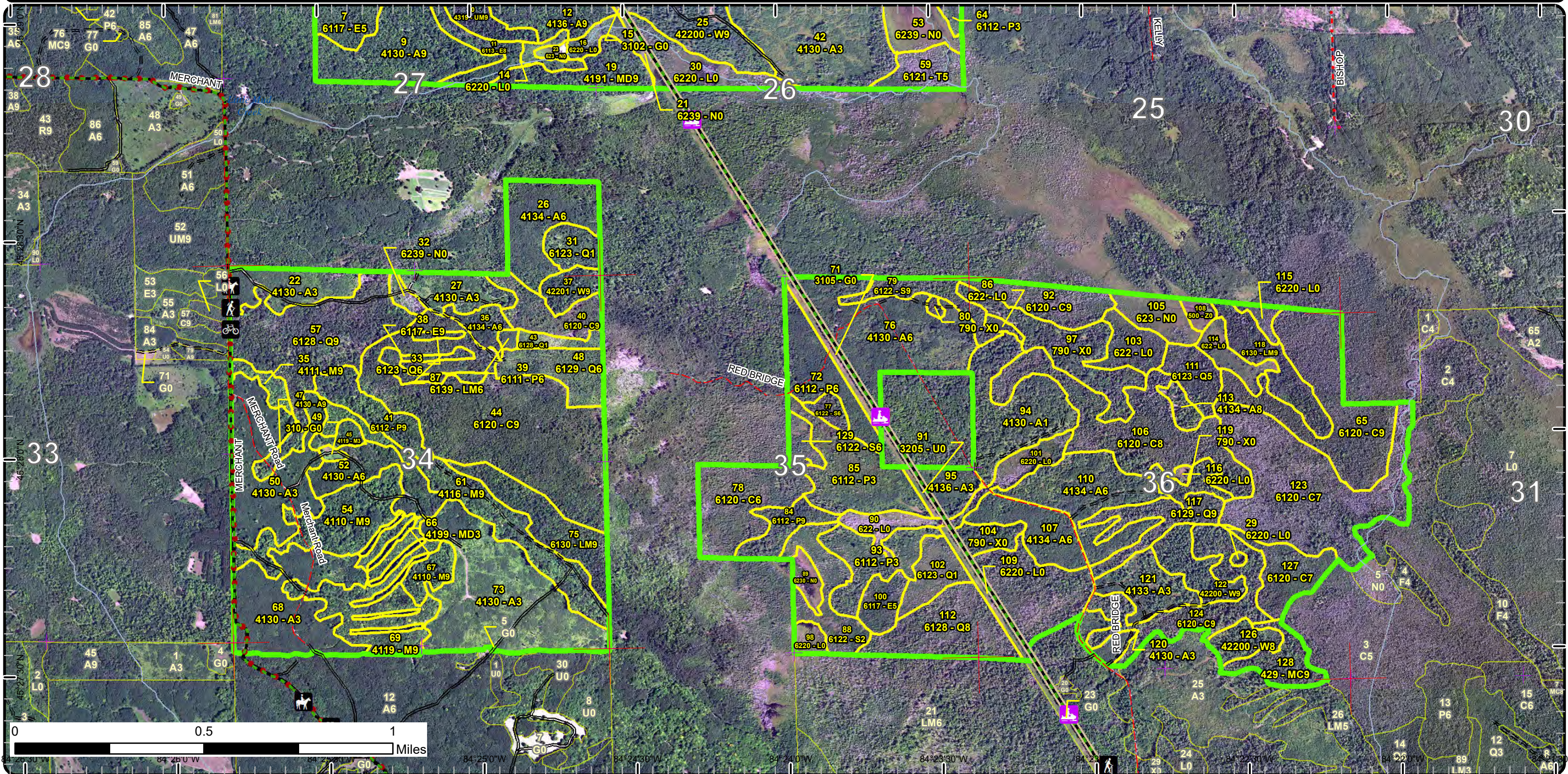


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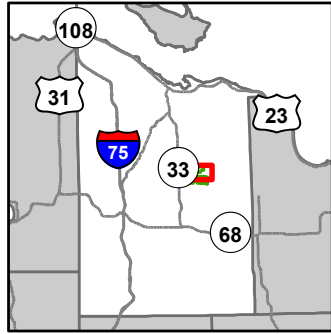


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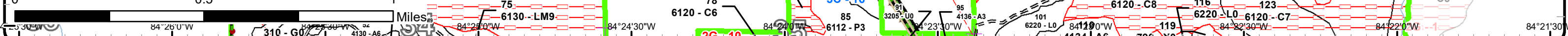
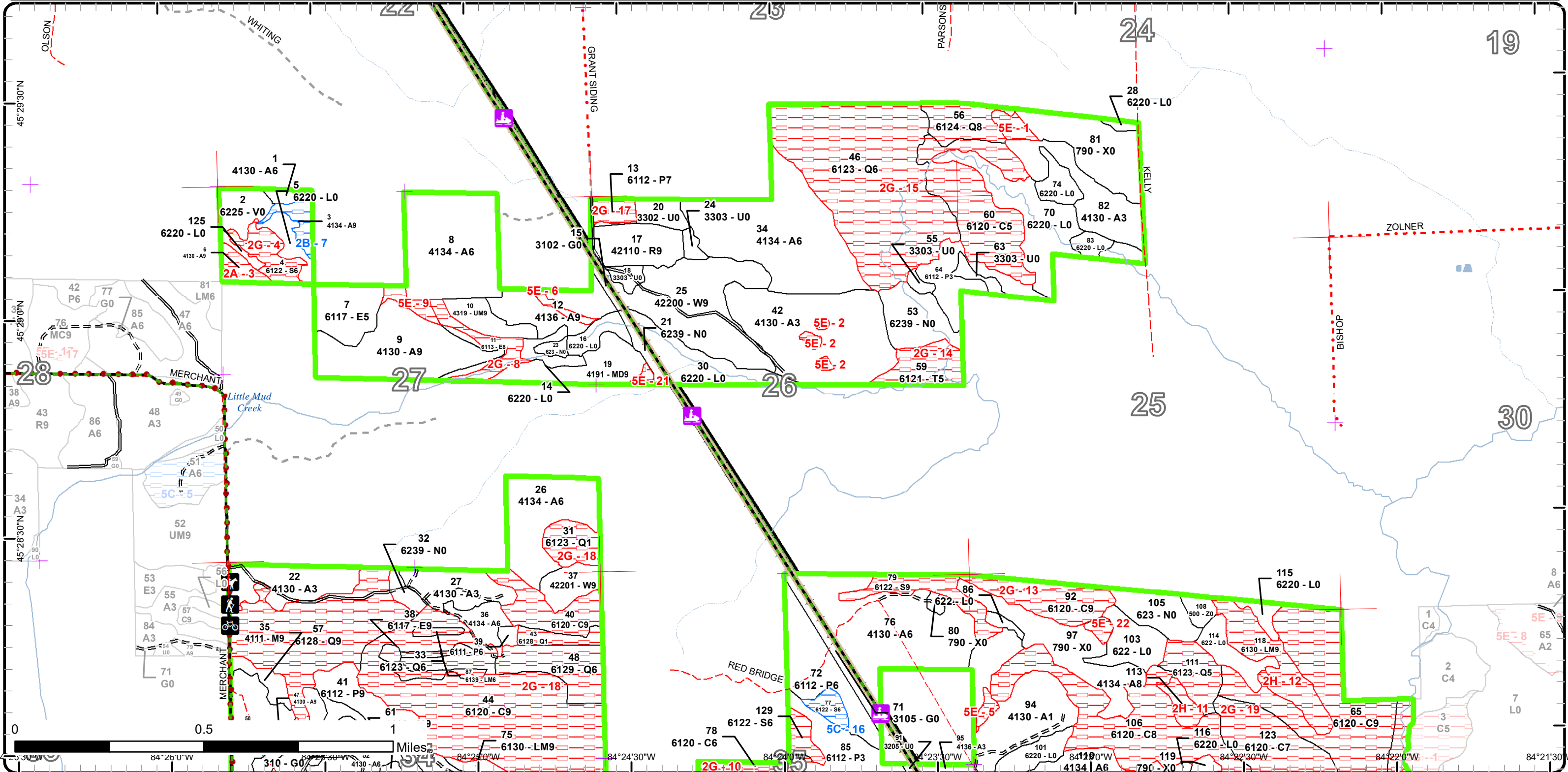


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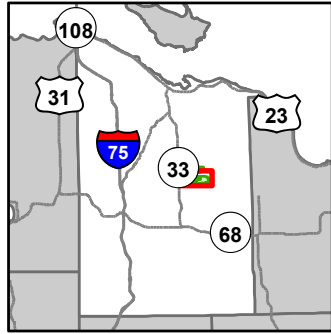


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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Trail - Trail Corridor

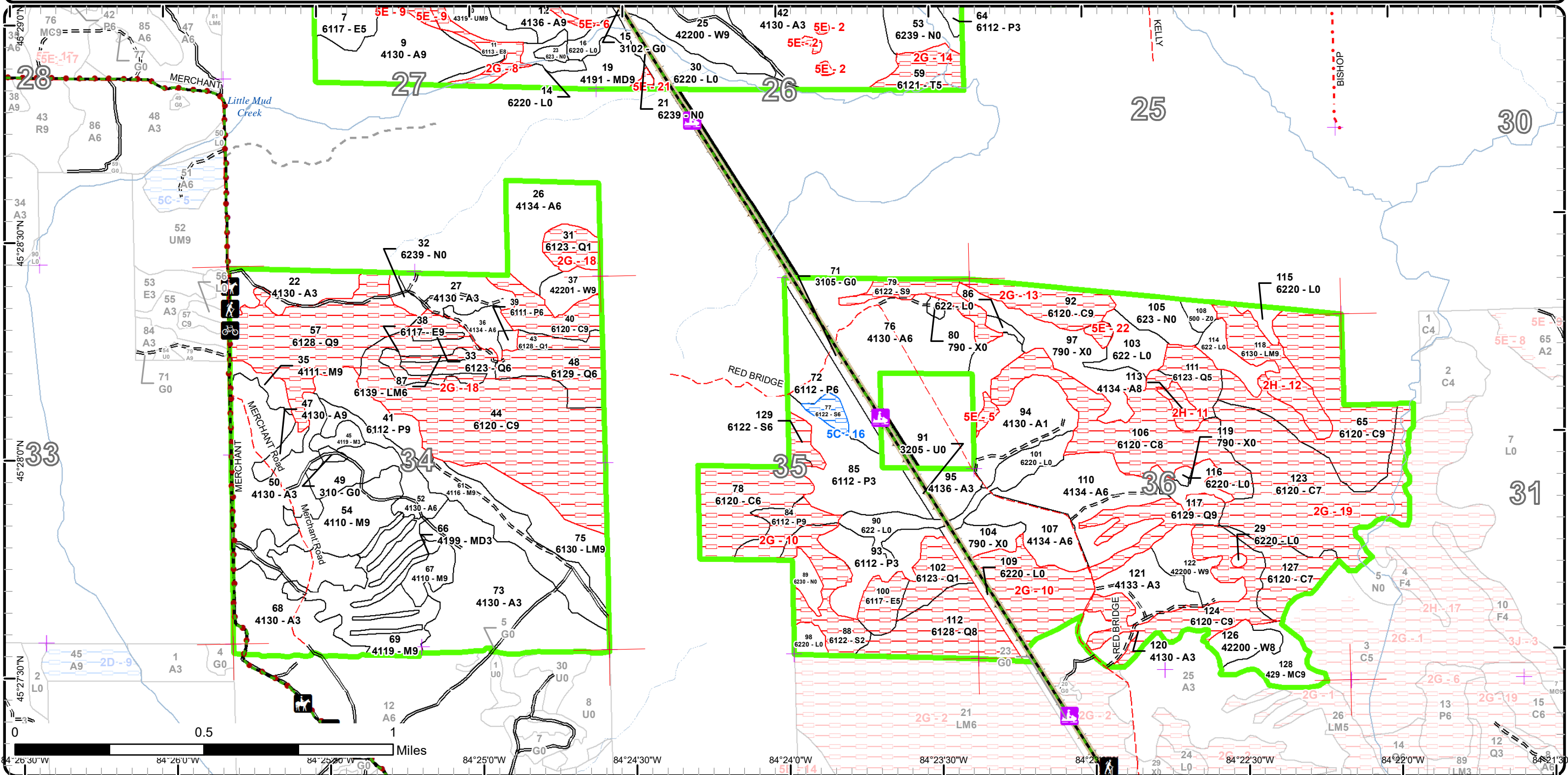


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Report 1 – Total Acres by Cover Type and Age Class



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	38	314	0	269	7	0	0	20	51	11	0	0	0	0	0	0	0	708
Bare/Sparsely Vegetated	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Cedar	0	0	0	0	0	0	0	0	0	0	0	70	128	133	112	16	0	0	459
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Low-Density Trees	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Aspen/Balsam Poplar	0	0	55	17	23	0	0	5	12	16	0	0	0	0	0	0	0	0	128
Lowland Conifers	0	0	0	5	18	13	0	120	0	0	12	81	57	0	0	0	0	0	306
Lowland Deciduous	0	0	0	0	0	0	0	5	25	0	11	0	0	0	0	0	0	0	41
Lowland Mixed Forest	0	0	0	0	0	0	0	2	20	26	0	0	0	0	0	0	0	0	48
Lowland Shrub	138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	138
Lowland Spruce/Fir	0	0	0	0	0	21	5	0	0	17	10	0	0	0	0	0	0	0	52
Marsh	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Mixed Upland Deciduous	0	0	9	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	28
Northern Hardwood	0	0	0	0	4	0	0	0	0	13	103	0	0	0	0	0	0	0	120
Red Pine	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	16
Tamarack	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Upland Conifers	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Upland Mixed Forest	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	24	9	45	0	0	0	0	0	0	0	0	0	78
Total	300	38	378	22	314	41	45	136	137	133	182	151	185	133	112	16	0	0	2320



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 189

Total Compartment Acres: 2,323

Commercial Harvest - 246
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	61	0	0	0	0	0	0	0	0	61
Bare/Sparsely Vegetated	26	0	0	0	0	0	0	0	0	26
Lowland Aspen/Balsam Poplar	16	0	0	0	0	0	0	0	0	16
Lowland Mixed Forest	26	0	0	0	0	0	0	0	0	26
Mixed Upland Deciduous	18	0	0	0	0	0	0	0	0	18
Northern Hardwood	35	0	0	0	0	40	0	0	0	74
Red Pine	0	0	0	0	0	17	0	0	0	17
Upland Mixed Forest	9	0	0	0	0	0	0	0	0	9
Total	190	0	0	0	0	57	0	0	0	246

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	246	0	0	0	0	0	43	0	0	289
Next Step	0	0	0	0	0	0	190	0	0	190
Total	246	0	0	0	0	0	233	0	0	479



Standard

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

9	52189009-Cut	39.2	4130 - Aspen	Sawtimber Well	85	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No	<p><u>Prescription</u> Harvest stand to regenerate. Leave any oak or pine species for stand structure diversity. Follow standard retention guidelines of 3 to 10 percent. Cutting during winter or summer conditions with tracked equipment is recommended. Possible access from the west through private may be available. Current landowner might consider it when setting up sale. If not, access stand via Stand 10 and the North Eastern State Trail. Composite or crane mats may be necessary across Stand 11. Include Red-shouldered hawk protection specification in sale preparation. Maintain a 100 foot buffer to the stream along the southwest boundary. Include trail protection specification in sale proposal. Also contact Cheboygan Field Office regarding sale access via recreation trail.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked stand of aspen.</p> <p><u>Other Comment:</u> A couple individual oaks were observed along the west boundary line during inventory. Including the Oak Wilt restriction is advisable if there will be more than 10% residual BA of oak during sale set up.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>
10	52189010-Cut	8.8	4319 - Mixed Upland Forest	Sawtimber Well	72	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No	<p><u>Prescription</u> Harvest stand to regenerate. Do not cut > 18" DBH White Spruce. No stand retention because of small stand size. Cut in winter or dry summer to reduce rutting. Coordinate timber sale with recreational activities on NEST.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and conifer species.</p> <p><u>Other Comment:</u> Aspen and some of the Balsam Fir is dying out. A few large sized White Spruce and some larger diameter Balsam Fir (12-16" DBH). Small pockets of lower ground.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 3 /7 /2019</p>
12	52189012-Cut	11.0	4136 - Aspen, Mixed Conifer	Sawtimber Well	75	111-140	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No	<p><u>Prescription</u> Harvest stand to regenerate. Leave pine and spruce species. Establish retention pocket along drainageway and in wetter soil type in north central part of stand. Need to cross drainageway to access west part of stand. Best location is in center of stand. Cut in winter or dry summer. Maintain a 100 ft. buffer to creek as shown by treatment area. Coordinate timber sale with recreational activities on NEST.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Regeneration survey. Acceptable regeneration includes a medium to well stocked mix of aspen and conifer species.</p> <p><u>Other Comment:</u> Larger aspen and some birch dying out. Some nice sawlogs of aspen and red maple. A drainageway and pocket of wetter soil is located in the north central part of stand. A survey corner will need to be established in northeast corner of stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 3 /7 /2019</p>



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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12	52189012-Cutx	6.0	4136 - Aspen, Mixed Conifer	Sawtimber Well	75	111-140	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
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Prescription Harvest stand to regenerate. Leave pine and spruce species. Establish retention pocket along drainageway and in wetter soil type in north central part of stand. Need to cross drainageway to access west part of stand. Best location is in center of stand. Cut in winter or dry summer. Maintain a 100 ft. buffer to creek as shown by treatment area. Coordinate timber sale with recreational activities on NEST.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Regeneration survey. Acceptable regeneration includes a medium to well stocked mix of aspen and conifer species.

Other Comment: Larger aspen and some birch dying out. Some nice sawlogs of aspen and red maple. A drainageway and pocket of wetter soil is located in the north central part of stand. A survey corner will need to be established in northeast corner of stand.

Site Condition

Proposed Start Date: 3 /7 /2019

17	52189017-Cut	16.7	42110 - Planted Red Pine	Sawtimber Well	59	201+	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to 120 BA. Concentrate removal of doubles and low quality trees. Include trail protection specification in sale proposal. Also contact the Park Division Cheboygan Field Office regarding sale access using the recreation trail.

Next Step
Treatments:

Acceptable Regen:

Other Comment: Access has been granted by private property owner to the north. Alternative access to stand from North Eastern State Trail.

Site Condition

Proposed Start Date: 10/1 /2022

19	52189019-Cut	17.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	95	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Harvest stand to regenerate. Establish stand retention area in southeast corner of stand to minimize future beaver problems. A large culvert or bridge will be needed to access stand from the North East State Trail at high spot along the trail. Maintain 100 ft. buffer to creek as shown by treatment area. Coordinate timber sale with recreational activities on NEST.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Regen will meet minimum stocking standards for aspen. Inclusion of conifer acceptable at any level.

Other Comment: Aspen over mature and beginning to die out of stand. Beaver problems along southern boundary of stand.

Site Condition

Proposed Start Date: 3 /7 /2019

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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
41	52189041-Cut	16.4	6112 - Lowland Aspen	Sawtimber Well	90	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Tracked equipment during summer or winter conditions should be recommended. Put stand retention in area of the wettest ground in center of stand or possibly along the northern boundary. Include Red-shouldered hawk protection and recreation trail protection specification in sale proposal.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of lowland aspen.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
47	52189047-Cut	4.5	4130 - Aspen	Sawtimber Well	80	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. No stand retention due to small stand size. Include Red-shouldered hawk protection and trail protection specification in sale proposal.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
54	52189054-Cut	31.6	4110 - Sugar Maple Association	Sawtimber Well	95	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80 - 90 residual BA. Concentrate removal of the larger DBH trees and trees of poorer quality. Include Red-shouldered hawk protection specification in sale preparation.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Include recreation trail protection specification in sale set up.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
61	52189061-Cut	34.6	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	95	111-140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Stand retention recommendations include the far northwest portion of stand (adjacent to Stand 45 and 52), or areas along the western boundary line that may be too steep for equipment. Include Red-shouldered hawk protection and recreation trail protection specification in sale proposal.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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67	52189067-Cut	8.2	4110 - Sugar Maple Association	Sawtimber Well	80	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to 80 residual BA. Concentrate removal of the larger basswood and leave the beech. Include Red-shouldered hawk protection and recreation trail protection specification in sale proposal.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

75	52189075-Cut	25.6	6130 - Fir, Aspen, Maple	Sawtimber Well	80	111-140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Harvest stand to regenerate. Leave all Hemlock. Adjustment of the northeast treatment boundary along Stand 44 where cedar becomes the predominate canopy species may be necessary. Recommended stand retention would be in any area which has a high cedar component. Tracked equipment during summer or winter conditions should be recommended. Include Red-shouldered hawk protection and recreation trail protection specification in sale proposal.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked mix of lowland deciduous.

Regen:

Other Include Sale Specific Condition 5.2.4.2 for hare habitat in sale proposal as well.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

80	52189080-Monitor	1.2	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4222 - Natural Jack Pine	Even-Aged	No
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Prescription
Specs:

Next Step
Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked mix of natural Jack Pine and deciduous species.

Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
81 52189081-Cut	26.1	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest stand to regenerate. Recommended retention area in northeast corner of stand. Minimize rutting during harvest by cutting in winter or dry summer and by not operating in low ground areas within stand.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Acceptable regen will meet minimum stocking requirements for aspen. An inclusion of conifer is acceptable at any level.</p> <p><u>Other Comment:</u> Large aspen developing trunk rot. Balsam Fir is breaking off and falling over. Pockets of lower ground along edge of stand and in western part.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2013</p>										
97 52189097-Monitor	27.4	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription Specs:</u></p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked stand of aspen and mixed conifer.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										
104 52189104-Monitor	6.3	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u></p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked stand of mixed hardwood species.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
119 52189119-Monitor	7.7	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Acceptable regeneration includes a moderate to well stocked stand of deciduous and coniferous species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment 289
Acreage Proposed:

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 189
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions					
		With Condition				2B	5C	2A	2G	2H	5E
709	684	5		20	Aspen	5		5		5	10
74	69	0		6	Bare/Sparsely Vegetated						6
9	9	0		0	Bog						
460	0	0		460	Cedar				460		0
12	12	0		0	Herbaceous Openland						
16	16	0		0	Low-Density Trees						
129	112	0		17	Lowland Aspen/Balsam Poplar		0		17		
307	0	0		307	Lowland Conifers				307		
42	18	0		23	Lowland Deciduous				23		
48	26	0		22	Lowland Mixed Forest				2	20	
138	138	0		0	Lowland Shrub						0
52	0	4		48	Lowland Spruce/Fir		4		48		
44	44	0		0	Marsh						0
28	27	0		1	Mixed Upland Deciduous						1
120	120	0		0	Northern Hardwood						
16	16	0		0	Red Pine						
13	0	0		13	Tamarack				13		
14	14	0		0	Upland Conifers						
9	9	0		0	Upland Mixed Forest						
3	3	0		0	Upland Shrub						
4	4	0		0	Water						
77	77	0		0	White Pine						
2,323	1,396	10		917	Total Forested Acres	5	4	5	870	25	17
	60%	0%		39%	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	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Long-Term Retention for Stand 81. Nice tree stand along edge of retention area with Stand 60.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 189
Year of Entry: 2024

2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention areas for Stand 42 and Egregious Aspen (52-112-04).							
3	Unavailable	2A: Adjacent landowner denied access	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Landowner to the south is not interested in granting access to stand at this time. However, they may be interested in purchasing of parcel if it ever becomes available. Was not able to contact landowner to the west about access. Recommend parcel for disposal.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand retention for Stand 94 and Red Bridge Aspen Mix (52-126-14).							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for Stand 12 and Two Mann Road Aspen (52-101-19).							
7	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Was not able to contact adjacent landowners about access to stand. Low volume timber with difficult access. Recommend parcel for disposal.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 189
Year of Entry: 2024

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stream in south part of stand and drainage in north part of stand.							
9	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand retention for Stand 9.							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	157	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand probably should have been cut with stand 97 during last YOE. Low volume and surrounded by wet ground.							
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 189
Year of Entry: 2024

14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	146	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small unique stand. May consider treatment in next YOE with Stand 72.							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	227	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 189
Year of Entry: 2024

19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	272	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for Stand 19 and Two Mann Road Aspen sale (52-101-19).							
22	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand retention for Stand 97 and Red Bridge Aspen Mix (52-126-14).							

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
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
1	4130 - Aspen	Poletimber Well	2.4	35	Unspecified	N/A	Small lowland drainage in east part of stand. East part of stand is older.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Pole/Sapling</td> <td>6</td> <td>35</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole	6		Bigtooth Aspen	80	Pole/Sapling	6	35	Quaking Aspen	10	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	5 - 10 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling																			
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2	6225 - Bog	Nonstocked	8.7		Unspecified	No																																																
3	4134 - Aspen, Spruce/Fir	Sawtimber Well	5.5	95	Unspecified	N/A	Aspen is over mature and dying out. A few scattered larger DBH Red and White pines.																																															
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Canopy Species	% Cover	Size Class	DBH	Age																																																		
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4	6122 - Black Spruce	Poletimber Well	9.5	95	Unspecified	N/A	Stand is fairly wet and inaccessible. Small area of higher ground in northeast part of stand. Jack Pine is dying out and falling over.																																															
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5	6220 - Alder/willow	Nonstocked	6.1		Unspecified	No																																																
6	4130 - Aspen	Sawtimber Well	5.0	95	Unspecified	N/A	Small ridge that runs southeast to northwest. Aspen is over mature and Paper Birch is dying out. A few scattered large DBH Red Pine. Property to the west was recently cut.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	15.5	70	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	8		Balsam Fir	Low	Variable	Sapling
Balsam Fir	10	Pole	7		Tag Alder	Full	5 - 10 feet	Tall Shrub
Blue Spruce	20	Pole/Log	8		Labrador Tea	Medium	< 5 feet	Tall Shrub
White Pine	10	Log	14					
Red Maple	58	Pole/Log/Sap	8	70				

8	4134 - Aspen, Spruce/Fir	Poletimber Well	44.4	37	Unspecified	N/A	Marginal health for aspen in southern part of stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Pole/Sapling	7	37	Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Poplar	10	Pole/Sapling	7		Red Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	20	Pole/Sapling	5		Balsam Fir	High	Variable	Sapling
Red Maple	10	Sapling/Pole	4					

9	4130 - Aspen	Sawtimber Well	41.1	85	111-140	N/A	Stand is mostly upland with pockets of slightly lower ground. Higher ground is in the west part with lower ground in center and east part. Aspen is mostly over mature and DBH range of 6 - 18 inches. Quality is marginal. Significant deer tracks in stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	7		Red Maple	Medium	>20 feet	Sapling
White Pine	2	Log	16		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	50	Log	14	85	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	10	Pole/Log	9		Red Pine	Low	5 - 10 feet	Sapling
Red Pine	2	Log	14		White Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	14	Log/Pole	16					
Red Maple	20	Log/Pole/Sap	11					

10	4319 - Mixed Upland Forest	Sawtimber Well	8.8	72	81-110	N/A	Aspen is overmatured. Aspen and some of the Balsam Fir is dying out. A few large sized White Spruce and some larger diameter Balsam fir (12-16" DBH). Small pockets of lower ground.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	28	Log/Pole	13		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	50	Log/Pole	11	72	Tag Alder	Low	10 - 20 feet	Tall Shrub
Paper Birch	2	Log/Pole	10		Red Maple	Medium	>20 feet	Sapling
White Spruce	2	Log/Pole	12					
Northern White Cedar	2	Log/Pole	10					
Red Maple	14	Log/Pole	10					
White Pine	2	Log	14					

11	6113 - Lowland Maple	Sawtimber Medium	11.4	90	Unspecified	N/A	Some 18+ DBH Red Maple. Stream in south part of stand and drainage in the north part.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Red Maple	88	Log/Pole/XLog	12	90	Tag Alder	High	5 - 10 feet	Tall Shrub
Quaking Aspen	10	Log/XLog	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
12	4136 - Aspen, Mixed Conifer	Sawtimber Well	20.1	75	111-140	N/A	Larger aspen and some birch dying out. Some Balsam Fir blowdown. Timber is smaller diameter in wetter soils along the north boundary line. A drainageway and pocket of wetter soil is located in the north central part of stand.																																																				
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13	6112 - Lowland Aspen	Sawtimber Poor	5.3	70	Unspecified	N/A	Trees in very poor health with some dead tops. Some blowdown trees.																																																				
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14	6220 - Alder/willow	Nonstocked	4.6		Unspecified	No																																																					
15	3102 - Grass	Nonstocked	1.7		Unspecified	No	Mowed overhead powerline.																																																				
16	6220 - Alder/willow	Nonstocked	6.0	0	Unspecified	No	Stand has some dead ash overstory.																																																				
17	42110 - Planted Red Pine	Sawtimber Well	16.1	59	201+	N/A	Nice, tall trees with DBH range between 6 - 11 inches. Stand was third row thinned in 2006. Pockets of higher understory in center of stand. A lot of small DBH, multi-stemmed trees. Spacing between trees is only 3' in some places. BA is 220.																																																				
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18	3303 - Mixed Low Density Trees	Nonstocked	3.1		Unspecified	No	Individual log-sized deciduous and coniferous trees.																																																				
19	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	19.0	95	81-110	N/A	Aspen and Balsam Fir are over mature and beginning to die out of stand. White Birch is also dying out as well. Some larger DBH (>16) maple and aspen.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20 3302 - Low Density Conifer Trees Nonstocked 5.9 Unspecified No Individual Red Pine trees 2 to 20 feet tall.

21 6239 - Mixed Emergent Wetland Nonstocked 4.2 Unspecified No Mowed overhead powerline.

22 4130 - Aspen Sapling Well 19.6 15 Immature N/A Argus Aspen (52-134-04-01).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	25	Sapling	3		White Pine	Low	5 - 10 feet	Sapling
White Pine	2	Log/XLog	17		Balsam Fir	Medium	< 5 feet	Sapling
Northern White Cedar	5	Pole	8					
Red Maple	10	Sapling	2					
Black Ash	2	Sapling	3					
Paper Birch	5	Sapling	3					
Quaking Aspen	51	Sapling	3	15				

23 623 - Emergent Wetland Nonstocked 1.9 Unspecified No Old beaver dam along the west edged of stand with some open water.

24 3303 - Mixed Low Density Trees Nonstocked 2.2 Unspecified No Individual log-sized conifer and deciduous trees.

25 42200 - Natural White Pine Sawtimber Well 44.8 70 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	76	Log/Pole	12	70	Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	2	Pole	6		Ironwood	Low	10 - 20 feet	Sapling
Red Pine	20	Log/XLog	16		Red Oak	Low	>20 feet	Sapling
Red Oak	2	Log	14		Bigtooth Aspen	High	>20 feet	Sapling
					White Pine	Medium	Variable	Sapling

Stand was cut in 2007 except for pine, oak and cedar trees as part of Egregious Aspen (52-112-04). White Pine DBH range is 6 - 14 inches. Canopy closure is close to 75% with pockets of full aspen regeneration. Some larger DBH trees in center and south side of stand. Old junk pile with 2 old cars along south boundary with low ground, just south of snowmobile trail. Current BA = 73

26 4134 - Aspen, Spruce/Fir Poletimber Well 29.9 37 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Pole/Sapling	6		Tag Alder	Low	10 - 20 feet	Tall Shrub
Red Pine	2	Log/XLog	17		Balsam Fir	High	10 - 20 feet	Sapling
Red Maple	5	Pole/Sapling	5					
Quaking Aspen	56	Pole/Sapling	6	37				
Balsam Fir	27	Sapling/Pole	4					
White Pine	5	Log	12					

Some of the larger aspen has trunk rot. Some large DBH trees in northwest corner of stand near survey corner. Stand appears to have been access from the east, through private property when last cut. (Found old piece of equipment under a large White Pine tree along the east boundary line.)



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
27	4130 - Aspen	Sapling Well	15.4	15	Immature	N/A	Argus Aspen (52-134-04) More rolling, hilly terrain compared to Stand 22. The eastern edge of stand drops down into a spot of lowland aspen.																																															
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28	6220 - Alder/willow	Nonstocked	1.4	0	Unspecified	No																																																
29	6220 - Alder/willow	Nonstocked	0.7	0	Unspecified	No																																																
30	6220 - Alder/willow	Nonstocked	18.2		Unspecified	No	Some cedar blowdown and a couple beaver ponds.																																															
31	6123 - Lowland Fir	Sapling Poor	9.7	67	Unspecified	N/A	Old skid trail in center of stand from Stand 26 to Stand 37.																																															
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32	6239 - Mixed Emergent Wetland	Nonstocked	3.5	0	Unspecified	No	Stream in center of stand flowing to the north. Old culvert there to access Stand 27. South part has dead overstory of scattered cedar. North side has lowland shrub.																																															
33	6123 - Lowland Fir	Poletimber Well	1.6	60	Unspecified	N/A	Stand was cut in 1962. East side of cutting is lower with more cedar regeneration while west side of stand is a little higher ground with more balsam regeneration than cedar.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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34 4134 - Aspen, Spruce/Fir Poletimber Well 60.1 36 Unspecified N/A Close to a log-sized stand. Some Quaking Aspen is dying out.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Red Maple	10	Pole	7		White Ash	Medium	>20 feet	Sapling
Balsam Fir	20	Pole/Sapling	6		Ironwood	Medium	>20 feet	Sapling
Bigtooth Aspen	14	Log/Pole	10					
White Pine	2	Log/Pole	10					
Quaking Aspen	50	Pole/Log	8	36				
White Ash	2	Pole	8					

35 4111 - S.Maple, Hard Mast Association Sawtimber Well 5.2 85 81-110 N/A This stand was left uncut from previous harvest to the south. Aspen is dying out and falling over. Stand is located on a northeast facing slope with fairly steep, rolling terrain that leads down to the low ground Stand 57.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	10	Log/Pole	10		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	30	Log	16		Ironwood	Medium	Variable	Sapling
Basswood	25	Log/Pole	12		Beech	Medium	5 - 10 feet	Sapling
Sugar Maple	35	Log/Pole	10	85				

36 4134 - Aspen, Spruce/Fir Poletimber Well 7.3 45 Unspecified N/A Rolling upland ridge similar to Stand 27. East side of the stand drops off to lower ground with Quaking Aspen. Close to a log sized stand. Larger DBH trees along the edge with the lower ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	63	Pole/Log/Sap	7	45	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	20	Sapling/Pole	4					
Quaking Aspen	10	Log	12					
Paper Birch	5	Log/Pole	10					
Red Maple	2	Log/Pole	12					

37 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 8.9 60 51-80 N/A Stand is rolling high ground surrounded by lowland. DBH for White Pine range from 6 to 16 inches. White Pine is about 50% of the canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	33	Pole/Sapling	5	37	Red Maple	Low	10 - 20 feet	Sapling
Red Oak	2	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
White Pine	63	Log	14	60	White Pine	Low	Variable	Sapling
Balsam Fir	2	Pole/Sapling	5					



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38	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	5.0	60	Unspecified	N/A	Stand was cut in 1962. Stumps are about 1 foot tall. Stand is surrounded by cedar. Stand has a hardwood overstory of variable species and sizes. No cedar regeneration observed. Some large dead ash on the west side. East side of stand is more pulpwood size.																																																																		
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39	6111 - Lowland Balsam Poplar	Poletimber Well	1.6	25	Immature	N/A	Flat low ground. Old stumps are 2 feet tall.																																																																		
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40	6120 - Lowland Cedar	Sawtimber Well	16.3	140	Unspecified	N/A	Cedar appears fairly healthy with variable DBH range from 6 to 14 inches. Fair amount of blowdown.																																																																		
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41	6112 - Lowland Aspen	Sawtimber Well	16.4	90	81-110	N/A	Large aspen blowdown. Remaining aspen and birch are dying out. Some scattered, large DBH trees. Transition stand from upland to lowland stands. Lots of deer tracks.																																																																		
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42	4130 - Aspen	Sapling Well	56.5	14	Immature	N/A	Stand was cut in 2007 as part of Egregious Aspen (52-112-04).																																																																		
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43 6128 - Lowland Coniferous, Mixed Deciduous Sapling Poor 5.3 25 Unspecified N/A This was a white cedar stand that was clearcut. 2 foot high stumps with some cedar slash. Some cedar regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Sapling	3		Northern White Cedar	Low	< 5 feet	Sapling
Tamarack	20	Sapling	3		Willow spp.	Low	5 - 10 feet	Tall Shrub
White Pine	20	Sapling	1		Black Spruce	Low	< 5 feet	Sapling
Paper Birch	40	Sapling	1	25				

44 6120 - Lowland Cedar Sawtimber Well 112.2 130 Unspecified N/A Cedar appears to be fairly healthy with DBH range from 6 to 14 inches. Fair amount of cedar slash. Stand is fairly variable in species. Lots of deer tracks and bedding spots.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Pole	7		Black Ash	Medium	10 - 20 feet	Sapling
Paper Birch	5	Pole	7		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	16	Pole/Log	8					
Northern White Cedar	53	Log/Pole	11	130				
Quaking Aspen	10	Log	14					
Hemlock	5	Log	16					
Red Maple	5	Log/Pole	12					
White Spruce	2	Log/Pole	10					
Tamarack	2	Log/Pole	10					

45 4119 - Mixed Northern Hardwoods Sapling Well 4.2 36 1-50 N/A Unique stand of young ash and ironwood. Ash appears to be healthy but some trees do have old EAB damage.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Log/Pole	10		Beech	Low	< 5 feet	Sapling
White Ash	50	Sapling/Pole	4	36	Sugar Maple	Low	Variable	Sapling
Sugar Maple	13	Sapling/Pole	4		White Ash	Low	Variable	Sapling
Ironwood	30	Sapling	3					
Balsam Fir	5	Pole	7					

46 6123 - Lowland Fir Poletimber Well 96.3 60 Unspecified N/A Pockets of lowland shrubs. Some slash and blowdown. Some larger DBH cedar and spruce.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Log/Pole	11		Black Ash	Medium	5 - 10 feet	Sapling
Balsam Fir	55	Pole/Sapling	6	60	Willow spp.	Low	10 - 20 feet	Sapling
Balsam Poplar	20	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Willow spp.	5	Pole/Log	8		Tag Alder	Medium	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47 4130 - Aspen Sawtimber Well 4.5 80 111-140 N/A

Stand is slightly lower than surrounding Stand 50 with gentle slopes on both sides of the stand. Stand was probably left over from previous surrounding harvest. Poorer quality aspen that is dying out.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	23	Log	14		Sugar Maple	Medium	>20 feet	Sapling
Basswood	10	Log/Pole	12		Beech	Low	Variable	Sapling
Bigtooth Aspen	50	Log	14	80	White Ash	Low	>20 feet	Sapling
Quaking Aspen	15	Log	12					
White Ash	2	Pole	8					

48 6129 - Mixed Coniferous Lowland Forest Poletimber Well 18.4 36 Unspecified N/A

Deer yard strip cut in 1985 (Cedar and white pine). Cedar stumps are 2 feet tall. No obvious slash. Good cedar regeneration in spots. Larger DBH trees along the east boundary line. Skid trail in center of stand with elk tracks.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	2	Sapling	2		Tamarack	Medium	Variable	Sapling
Paper Birch	5	Sapling/Pole	4		Black Spruce	Medium	10 - 20 feet	Sapling
White Spruce	2	Pole	6		Willow spp.	Low	10 - 20 feet	Sapling
Balsam Fir	10	Sapling/Pole	4		Labrador Tea	Low	< 5 feet	Tall Shrub
Tamarack	28	Sapling/Pole	3		Northern White Cedar	Medium	5 - 10 feet	Sapling
Black Spruce	30	Pole/Sapling	5	36	Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	2	Sapling	3					
White Pine	21	Pole/Sapling	7					

49 310 - Herbaceous Openland Nonstocked 1.4 Unspecified No

50 4130 - Aspen Sapling Well 48.0 14 Unspecified N/A

Stand was cut in 2007 as part of Lee Grande Aspen North (52-126-04).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	5	Sapling	1		White Ash	Medium	10 - 20 feet	Sapling
White Ash	15	Sapling/Pole	3					
Ironwood	5	Sapling	3					
Quaking Aspen	10	Sapling/Pole	4					
Bigtooth Aspen	50	Sapling/Pole	4	14				
Pin Cherry	5	Sapling	3					
Sugar Maple	10	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
52	4130 - Aspen	Poletimber Well	20.5	36	Unspecified	N/A	Close to a log-sized stand. Variable DBH and trees species. Some 10+ DBH trees of aspen. The larger trees are along the west boundary. Pockets of smaller trees a higher ironwood component. Quaking Aspen is in failing health. Ash is mostly healthy. Full understory.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Ash		10	Pole/Sapling	6		White Ash		
Quaking Aspen		28	Pole	7		Sugar Maple		
Red Mulberry		2	Pole	7		Ironwood		
Balsam Poplar		2	Pole/Sapling	6				
Bigtooth Aspen		40	Pole	7	36			
Ironwood		5	Pole	6				
Beech		5	Sapling	4				
Sugar Maple		6	Pole	6				
Balsam Fir		2	Pole	7				
53	6239 - Mixed Emergent Wetland	Nonstocked	16.2		Unspecified	No	Large beaver den in north part of stand. 2 or 3 more smaller ones in the south part.	
54	4110 - Sugar Maple Association	Sawtimber Well	31.6	95	111-140	N/A	Stand was thinned in 2006 as part of Merchant Road Hardwood (52-127-04). Tall, ok quality hardwood. Sugar Maple is limby and multi-stemmed. Beech is dying out but some trees appear to still be alive. Understory is full. BA is approximately 110 but variable.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		43	Log/Pole	14	95	Ironwood		
Bigtooth Aspen		2	Log/Pole	11		Sugar Maple		
Beech		10	Log	12		Beech		
Basswood		38	Log/Pole	14				
Red Oak		2	Log	11				
Ironwood		5	Pole/Sapling	5				
55	3303 - Mixed Low Density Trees	Nonstocked	1.7		Unspecified	No	Pole/log sized Balsam Fir and aspen. Some beaver damage.	
56	6124 - Lowland Spruce-Fir	Sawtimber Medium	12.3	90	Unspecified	N/A	Cedar is short with some dying tops but otherwise ok health overall. Some cedar is 14+ DBH with some blowdown. Pocket of dead ash overstory with full understory. Lots of deer tracks.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		42	Log/Pole	11	90	Black Ash		
Paper Birch		8	Pole/Sapling	5		Balsam Fir		
Northern White Cedar		20	Log/Pole	12		Tag Alder		
Balsam Fir		30	Pole/Sapling	6				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 56.6 110 Unspecified N/A Stand consist of variable tree species and sizes. Some higher ground along the north boundary edge with over mature aspen and some scattered larger DBH trees. Some slash in understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	23	Log/Pole	14		Quaking Aspen	Low	10 - 20 feet	Sapling
Hemlock	2	Pole/Log	9		Balsam Fir	Low	>20 feet	Sapling
White Spruce	15	Log/Pole/Sap	10		Black Ash	Low	5 - 10 feet	Sapling
Paper Birch	2	Pole	7					
Red Maple	2	Pole	6					
Balsam Fir	20	Pole	7					
Northern White Cedar	36	Log/Pole	10	110				

59 6121 - Tamarack Poletimber Medium 13.2 75 Unspecified N/A Some dead or dying tops.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	80	Pole/Sapling	5	75	Tamarack	High	Variable	Sapling
Northern White Cedar	20	Pole	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub

60 6120 - Lowland Cedar Poletimber Medium 37.4 110 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	98	Pole/Log	9	110	Balsam Fir	Full	10 - 20 feet	Sapling
White Spruce	2	Log	12					

61 4116 - Mixed N. Hardwood - Aspen Sawtimber Well 34.6 95 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	12	Log/Pole	10		Ironwood	Medium	10 - 20 feet	Sapling
Basswood	20	Log/Pole	12		Beech	Medium	5 - 10 feet	Sapling
Beech	10	Log/Pole	10		Striped Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen	15	Log/XLog	14		Sugar Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen	10	Log/XLog	16					
Red Maple	5	Log/Pole	10					
Sugar Maple	28	Log/Pole	12	95				

Stand is located on a rolling, northeast facing slope that drops down to low ground. Maple is ok quality with the best quality trees in the south part of stand. Pockets of larger aspen which are over mature. Birch is dying out as well. Many multi-stemmed trees. May not be enough good quality hardwood trees to justify marking stand. Current BA is 113.

63 3303 - Mixed Low Density Trees Nonstocked 2.8 Unspecified No Pole/log sized Balsam Fir and White Spruce trees.

64 6112 - Lowland Aspen Sapling Well 15.8 21 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Pole	7		Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Balsam Fir	5	Pole/Sapling	6		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Bigtooth Aspen	10	Pole/Sapling	5		Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Poplar	20	Pole/Sapling	5		White Spruce	Low	5 - 10 feet	Sapling
Quaking Aspen	63	Pole/Sapling	5	21				

Bigtooth aspen is along the edge with Stand 63. Current and past beaver activity along the west boundary line with Stand 53. Stand was accessed through private property.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
65	6120 - Lowland Cedar	Sawtimber Well	55.2	120	Unspecified	N/A	Poor quality cedar with some dead tops. Full understory. Lots of blowdown. Western part of stand is better quality with much less understory.																																																								
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66	4199 - Other Mixed Upland Deciduous	Sapling Well	9.4	15	Immature	N/A	Stand was cut in 2006 as part of Merchant Road Hardwood (52-127-04). Regeneration is mostly 20 to 30 feet tall.																																																								
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67	4110 - Sugar Maple Association	Sawtimber Well	8.2	80	111-140	N/A	Stand was thinned in 2006 as part of Merchant Road Hardwood (52-127-04). Nicer quality trees with some larger DBH basswood but a high amount of pulp trees as well. Beech trees are alive and appear healthier than beech in surrounding stand. Full understory. Current BA is approximate 137.																																																								
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68	4130 - Aspen	Sapling Well	45.9	14	Unspecified	N/A	Stand was cut in 2007 as part of Lee Grande Aspen North (52-126-04).																																																								
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69	4119 - Mixed Northern Hardwoods	Sawtimber Well	36.5	95	81-110	N/A	Stand was treated in 2006 as part of Merchant Road Hardwood (52-127-04). Some large DBH beech and basswood that is dying or is dead. Sugar Maple is fairly branchy and quality is low to medium. Many multi-stemmed trees. Little obvious beech scale. Thick understory. Current BA is approximately 105.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70 6220 - Alder/willow Nonstocked 29.8 Unspecified No

71 3105 - Mixed Upland Herbaceous Nonstocked 8.7 Unspecified No Mowed overhead powerline.

72 6112 - Lowland Aspen Poletimber Well 23.1 38 Unspecified N/A Close to a log-sized stand in spots. Larger DBH trees along west boundary which were not cut during previous cutting.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Pole/Sap/Log	9	38	Balsam Fir	High	Variable	Sapling
White Pine	2	XLog/Log	20					
Red Maple	10	Pole	7					
Quaking Aspen	20	Pole/Sapling	7					
Balsam Fir	18	Pole/Sapling	6					

73 4130 - Aspen Sapling Well 71.4 11 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	5	Sapling	2		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Sugar Maple	10	Sapling	1					
Bigtooth Aspen	60	Sapling	3	11				
White Ash	5	Sapling	3					
Pin Cherry	5	Sapling	2					
Red Maple	5	Sapling	1					
Quaking Aspen	10	Sapling	3					

74 6220 - Alder/willow Nonstocked 6.4 Unspecified No

75 6130 - Fir, Aspen, Maple Sawtimber Well 25.6 80 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Pole	7		Black Ash	Medium	10 - 20 feet	Sapling
Balsam Fir	25	Log/Pole	10		Striped Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	15	Log/Pole	13		Balsam Fir	Medium	Variable	Sapling
Paper Birch	5	Log/Pole	10					
Hemlock	2	Log/Pole	10					
Red Maple	20	Log/Pole	12					
Basswood	3	Log	12					
Balsam Poplar	2	Log/Pole	10					
Quaking Aspen	26	Log	14	80				

Stand is a transition stand between high and low ground stands. A couple wetter spots that may have seeps. Balsam Fir and aspen starting to fall over.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
76	4130 - Aspen	Poletimber Well	53.4	34	Unspecified	N/A	Pockets of lower quality aspen, especially on east side of Red Bridge Road.																																																												
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77	6122 - Black Spruce	Poletimber Well	4.4	85	Unspecified	N/A	Nice, tall spruce in center of stand. DBH range from 4 - 12 inches. Some blowdown.																																																												
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78	6120 - Lowland Cedar	Poletimber Well	33.1	100	Unspecified	N/A	Stand appears to be fairly healthy. Stream in center of stand flowing to the east. Found a 3" pipe in ground under a 10" spruce tree in clearing located in northeast corner of stand.																																																												
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79	6122 - Black Spruce	Sawtimber Well	12.7	80	Unspecified	N/A	Tamarack is healthy and tall. Some blowdown.																																																												
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80	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.2	0	Unspecified	4222 - Natural Jack Pine	Stand was cut in 4/2021 as part of Rd Bridge Aspen Mix (52-125-14). Reevaluate regeneration in next YOE.																																																												
81	790 - Other Bare/Sparsely Vegetated	Nonstocked	28.6	0	Unspecified	413 - Aspen	Stand was cut in 2/2022 as part of Two Mann Road Aspen (52-101-19).																																																												



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82	4130 - Aspen	Sapling Well	22.5	15	Immature	N/A	Stand was cut in 2006 as part of Entproct Aspen (52-111-04). High ground ridge with significant deer runway running SE to NW. Beaver Activity along the south west boundary.																																																								
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83	6220 - Alder/willow	Nonstocked	3.4		Unspecified	No	Has more open water than surrounding area.																																																								
84	6112 - Lowland Aspen	Sawtimber Well	11.8	85	Unspecified	N/A	Balsam Fir and larger DBH aspen has died and falling over. Stand surrounded by wet, low ground.																																																								
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85	6112 - Lowland Aspen	Sapling Well	33.1	13	Immature	N/A	Stand was cut in 2008 as part of Train Kept A Rolling (52-110-04). Pockets of lowland shrubs and conifer sapling within stand. North part is much wetter with less aspen regeneration.																																																								
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86	622 - Lowland Shrub	Nonstocked	1.8		Unspecified	No																																																									
87	6139 - Mixed Lowland Forest	Poletimber Well	2.2	60	Unspecified	N/A	Stand was cut in 1962 and is surrounded by cedar. Very variable if trees species. Stumps are about 1 foot tall. Majority of the trees are pulpwood size. No cedar regeneration observed. Small drainage of flowing water in east part of stand.																																																								
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89	6230 - Cattail	Nonstocked	5.4		Unspecified	No	Some dead cedar standing. Old beaver dam around a lot of the stand.																																																								
90	622 - Lowland Shrub	Nonstocked	9.0		Unspecified	No	Some dead cedar still standing with some blowdown. Old beaver dams within stand.																																																								
91	3205 - Mixed Upland Shrub	Nonstocked	2.7		Unspecified	No	Mowed overhead powerline.																																																								
92	6120 - Lowland Cedar	Sawtimber Well	18.6	100	Unspecified	N/A	Very poor cedar with some dead tops. Some blowdown and slash.																																																								
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93	6112 - Lowland Aspen	Sapling Well	21.5	13	Immature	N/A	Stand was cut except for conifer trees in 2008 as part of Train Kept A Rollin sale (52-110-04). Lots of conifer trees along north edge of stand. Some cedar blowdown. Old beaver activity and dams also along north edge.																																																								
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94	4130 - Aspen	Sapling Poor	37.7	1	Immature	N/A	Stand was cut in 5/2021 as part of Red Bridge Aspen Mix (52-126-14). No Red Pine, White Pine >18DBH, oak, or cedar were cut.																																																								
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95	4136 - Aspen, Mixed Conifer	Sapling Well	9.9	13	Immature	N/A	Stand was cut in 2008 as part of Train Kept A Rolling (52-110-04). No spruce, cedar, or White Pine was cut.																																																								
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97	790 - Other Bare/Sparsely Vegetated	Nonstocked	29.3	0	Unspecified	4136 - Aspen, Mixed Conifer	Stand was cut in 4/2021 as part of Red Bridge Aspen Mix (52-126-14). Stand should be fully regenerated by next YOE.																																																								
98	6220 - Alder/willow	Nonstocked	4.2		Unspecified	No																																																									
100	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	9.6	75	Unspecified	N/A																																																									
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101	6220 - Alder/willow	Nonstocked	11.2		Unspecified	No	Multiple old beaver dams with dead cedar overstory. Mix of shrubs, Tamarack trees, and cattails.																																																								
102	6123 - Lowland Fir	Sapling Poor	13.1	40	Unspecified	N/A	Very unhealthy stand with dead or dying tops. 10 to 20 feet tall trees. Close to a non-forested stand. Some larger DBH trees along the edge with powerline to the east.																																																								
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103	622 - Lowland Shrub	Nonstocked	12.3		Unspecified	No	Tag Alder with some White Ash trees.																																																								
104	790 - Other Bare/Sparsely Vegetated	Nonstocked	7.5	0	Unspecified	4199 - Other Mixed Upland Deciduous	Stand was cut in 4/2021 as part of Red Bridge Aspen Mix (52-126-14).																																																								
105	623 - Emergent Wetland	Nonstocked	12.6		Unspecified	No	Red Osier Dogwood.																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
106	6120 - Lowland Cedar	Sawtimber Medium	55.8	110	Unspecified	N/A	Overall health is poor. Some blowdown with some dead cedar and ash tops. Full, thick understory. Some XL-sized White Pine along the south edge of the stand.																																																		
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107	4134 - Aspen, Spruce/Fir	Poletimber Well	19.8	38	Unspecified	N/A	Stand is much healthier with more volume compared to stand to the east. Pockets of slightly lower ground with larger DBH (8") Balsam Fir with some breaking off at stump level. Thick understory of Balsam Fir.																																																		
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108	500 - Water	Nonstocked	3.6		Unspecified	No																																																			
109	6220 - Alder/willow	Nonstocked	7.4		Unspecified	No	Mowed overhead powerline.																																																		
110	4134 - Aspen, Spruce/Fir	Poletimber Well	38.0	38	Unspecified	N/A	Quaking Aspen is relatively poor quality. More conifer cover type species along the north boundary of stand with some beaver activity.																																																		
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111	6123 - Lowland Fir	Poletimber Medium	12.3	65	Unspecified	N/A	Discovered relatively fresh chainsaw activity in area along the northeast boundary, southwest of old beaver dam in Stand 114. Very unusual in this isolated area.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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112 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Medium 63.2 100 Unspecified N/A Poor quality cedar with some dead tops. Cedar is relatively short with lots of blowdown. Close to a pole-sized stand.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	18	Log/Pole	12	
Balsam Poplar	5	Log/Pole	10	
Balsam Fir	10	Pole	7	
Hemlock	2	Log	10	
Tamarack	6	Log/Pole	11	
White Pine	2	XLog/Log	20	
Northern White Cedar	30	Log/Pole	10	100
Paper Birch	2	Pole	6	
Black Spruce	10	Pole/Log	8	
White Spruce	5	Log/Pole	10	
Red Maple	10	Pole/Log	7	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	5 - 10 feet	Sapling
Black Ash	Low	5 - 10 feet	Sapling
Willow spp.	Medium	>20 feet	Sapling
Tag Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	High	Variable	Sapling

113 4134 - Aspen, Spruce/Fir Sawtimber Medium 4.8 82 Unspecified N/A Rolling upland knoll surrounded by wetland. Aspen is low quality and over mature.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Log/Pole	10	
Balsam Fir	20	Pole/Sapling	6	
White Pine	10	Log/Pole	12	
Red Maple	20	Pole/Sapling	7	
Bigtooth Aspen	46	Log/Pole	12	82
Black/Red (Hybrid) Oak	2	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling

114 622 - Lowland Shrub Nonstocked 9.2 Unspecified No

115 6220 - Alder/willow Nonstocked 3.5 0 Unspecified No Some dead ash tops and cedar along the east side. Beaver den in south part of stand.

116 6220 - Alder/willow Nonstocked 1.1 Unspecified No

117 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 18.0 100 Unspecified N/A Some larger DBH trees and legacy sized White Pine. Fair amount of blowdown/slash.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	25	Log/Pole	12	
Northern White Cedar	30	Log/Pole	10	
White Pine	40	Log/XLog	14	100
Paper Birch	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
White Spruce	Low	5 - 10 feet	Sapling
Black Ash	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
118	6130 - Fir, Aspen, Maple	Sawtimber Well	20.2	70	Unspecified	N/A	Stand is surrounded by lowland/wet soils. Balsam fir, balsam poplar, and white birch are dying out. Balsam fir is breaking off at stump and creating slash. Stand regenerating to balsam fir. Beaver activity along the northeast side of stand.																																																										
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119	790 - Other Bare/Sparsely Vegetated	Nonstocked	7.7	0	Unspecified	4319 - Mixed Upland Forest	Stand was cut in 4/2021 as part of Red Bridge Aspen Mix (52-126-14).																																																										
120	4130 - Aspen	Sapling Well	7.0	15	Unspecified	N/A	Stand was cut in 8/2006 as part of Ozzfest Aspen sale (52-130-04).																																																										
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124	6120 - Lowland Cedar	Sawtimber Well	35.1	110	Unspecified	N/A	Unique stand with some very large DBH White Pines and cedar. South part of stand has a stream/drainage in it which flows to the east.																																																					
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125	6220 - Alder/willow	Nonstocked	1.7		Unspecified	No																																																						
126	42200 - Natural White Pine	Sawtimber Medium	9.0	55	51-80	N/A	Stand was cut in 3/2008 as part of Hunt-N-Bus Aspen (52-105-01) except white pine. White Pine DBH range is 4 - 14 inches and is fairly branchy with variable heights. Full understory.																																																					
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127	6120 - Lowland Cedar	Sawtimber Poor	17.6	100	Unspecified	N/A	Dead ash overstory with some slash.																																																					
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128	429 - Mixed Upland Conifers	Sawtimber Well	13.5	85	81-110	N/A	Mostly an upland stand with a drainage depression going northeast. Some large, tall White Pine along lower ground and larger DBH trees along the east boundary with low ground. Aspen and birch are over mature with some dead or dying. Some blowdown of Balsam Fir.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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129 6122 - Black Spruce Poletimber Well 5.3 50 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	80	Pole/Sapling	5	50	Tag Alder	High	5 - 10 feet	Tall Shrub
Tamarack	20	Sapling/Pole	4		Black Spruce	Medium	Variable	Sapling
					Paper Birch	Low	5 - 10 feet	Sapling
					Labrador Tea	Medium	5 - 10 feet	Tall Shrub
					Tamarack	Low	Variable	Sapling