



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32102

Entry Year 2025

Acreage: 1,087

County Alger

Management Area: Menominee-Marquette

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**Stand Examiner:** Peter Holodnick

**Legal Description:**

T45N, R22W, Sections 4, 9, and 16

**Identified Planning Goals:**

Maintain the health, productivity, diversity and sustainability of the various forest cover types while providing for wildlife, fisheries, environmental and recreational values.

**Soil and topography:**

Geologic features include glacial drainage ways, till plains, and ground moraines. Terrain ranges from nearly level to steep rolling hills. Soils are poorly-drained organics and loams as well as well-drained loams. Major soil series include the Shoepac-Ensley complex, Shoepac-Trenary, Munising, Chatham-Ensley, carbondale, Lupton, and Tawas.

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

The compartment is split by private lands into a north block and south block. The north block is adjacent to state land to the west and east and private and Plum Creek lands to the north and south. The south block is adjacent to state land to the east, private land to the west, and private and Plum Creek lands to the north and south. Land use in this area is hunting, timber management and camps. There is a desire by hunters and others to upgrade the connected roads between and within the two blocks comprising this compartment by addressing Resource Damage concerns and existing berms. There is potential to have motorized vehicle access upgraded between Ladoga road to the south and South Sundell road to the northwest. A north-south linkage like this does not exist either to the west or east of this compartment on state or private land.

**Unique Natural Features:**

No Unique Natural Features known.

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

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

This compartment contains the West Branch Whitefish River and headwater regions of Dexter Creek. The West Branch Whitefish River and Dexter Creek are designated Type 1 trout streams less than 50-foot wide that have predicted mean July water temperatures of 61.2°F and 64.0° F, respectively.

A minimum 300-foot buffer is recommended for the West Branch Whitefish River and Dexter Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer 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 a Fluted Ground Moraine in northeastern Marquette County and western Alger County. The dominant Natural Communities are mesic northern forests and poor conifer swamps. This Management Area provides one of the best opportunities in the WUP State Forest system to manage for large grasslands and associated wildlife species. Large opening management, along with sharecropped agricultural practices will continue to be a high priority here. Wildlife management issues in this management area will focus on maintaining large open land complexes; habitat fragmentation (patch size for openings); and mowing and burning practice modifications (for the eastern compartments).

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**

A small gravel pit is located on state land within compartment. Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. A gravel pit is located just to the north of the compartment, and potential appears to be good. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

South Sundell road (county) provides access to the north block of state land. Dorey Lake road (DNR) is the primary access route through the north block. Ladoga road (county) and a poor dirt forest road crossing several easements across Plum Creek lands provide access to the south block of state land. Several poor dirt and closed poor dirt roads provide access to many of the stands in each block. Existing poor dirt roads cross Plum Creek and other private lands to link both blocks. Securing easements across these Plum Creek and private lands should be pursued in the future. Several Resource Damage Reports have been documented for this compartment and when addressed will improve the transportation connection between the two blocks comprising this compartment. A DNR bridge provides critical access on Dorsey lake road for the north block of state land.

**Survey Needs:**

Multiple survey monuments will need to be established prior to developing timber sales on the ground.

**Recreational Facilities and Opportunities:**

There are no recreation facilities in this compartment. Hunting, trapping, training bird dogs, dogsledding, off-road vehicle use, snowmobiling and horseback riding are all important recreational pursuits within this compartment.

**Fire Protection:**

The compartment has a very low risk for wildfire.

**Additional Compartment Information:**

An invasive plant record for Phragmites on state land is located immediately adjacent to this compartment in section 5.

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

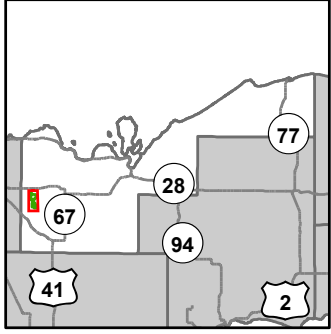
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

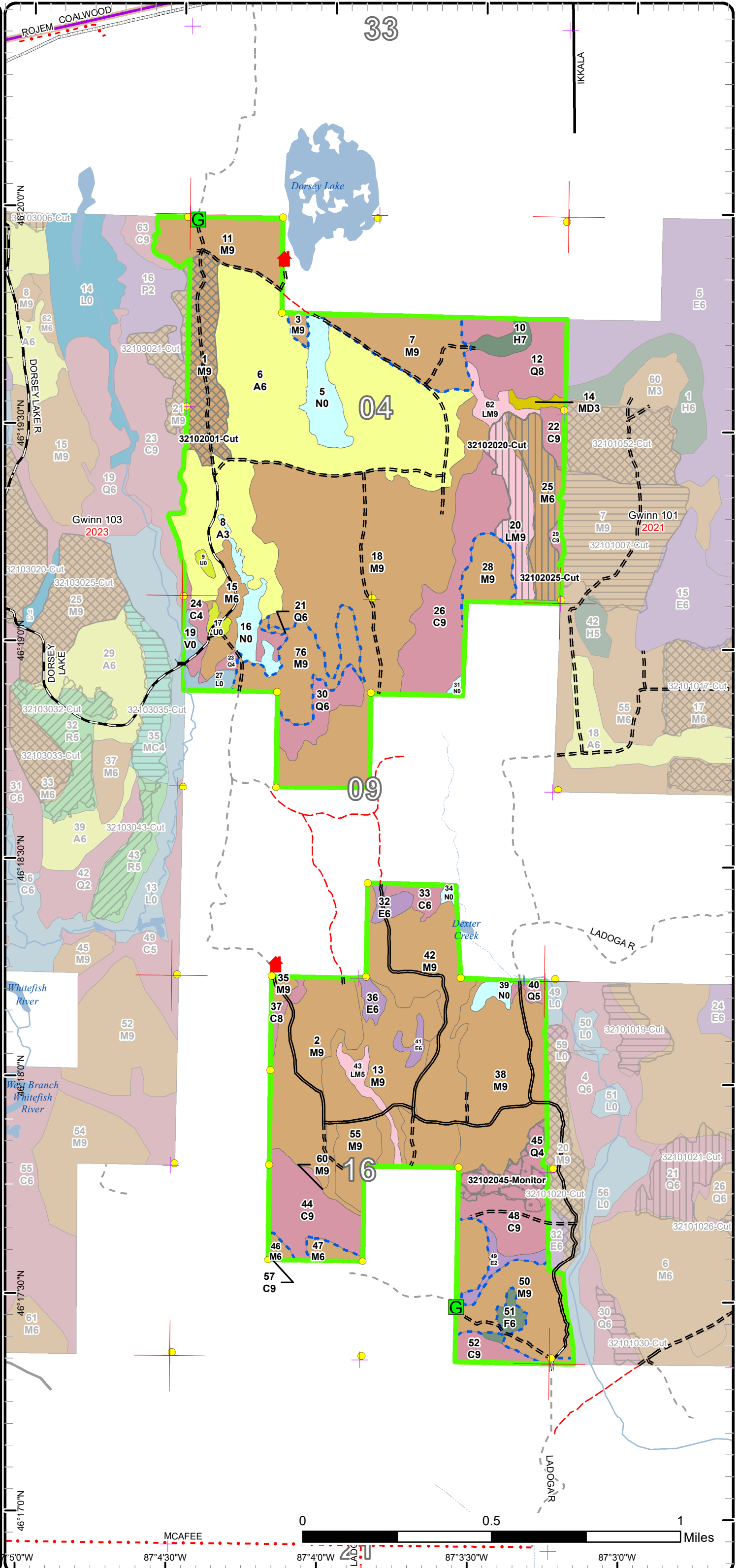
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 102  
 T45N, R22W, Sec. 04,05,09,15,16  
 County: Alger  
 Unit: Gwinn  
 Mgmt Area: Menominee-Marquette  
 YOE: 2025  
 Acres: 1087.3 GIS Calculated  
 Examiner: Peter Holodnick  
 Map Revised: 8/15/2023  
 Map Phase: Review

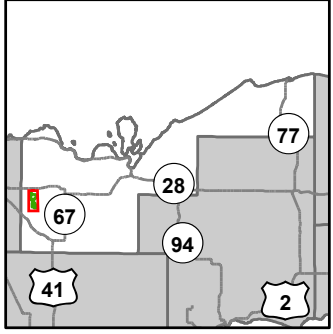


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Designated Snowmobile Trails
- Designated RailTrail
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Cabin
- G Gate
- Bridges
- Culvert
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

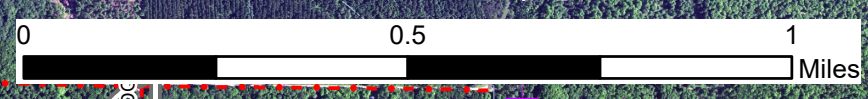
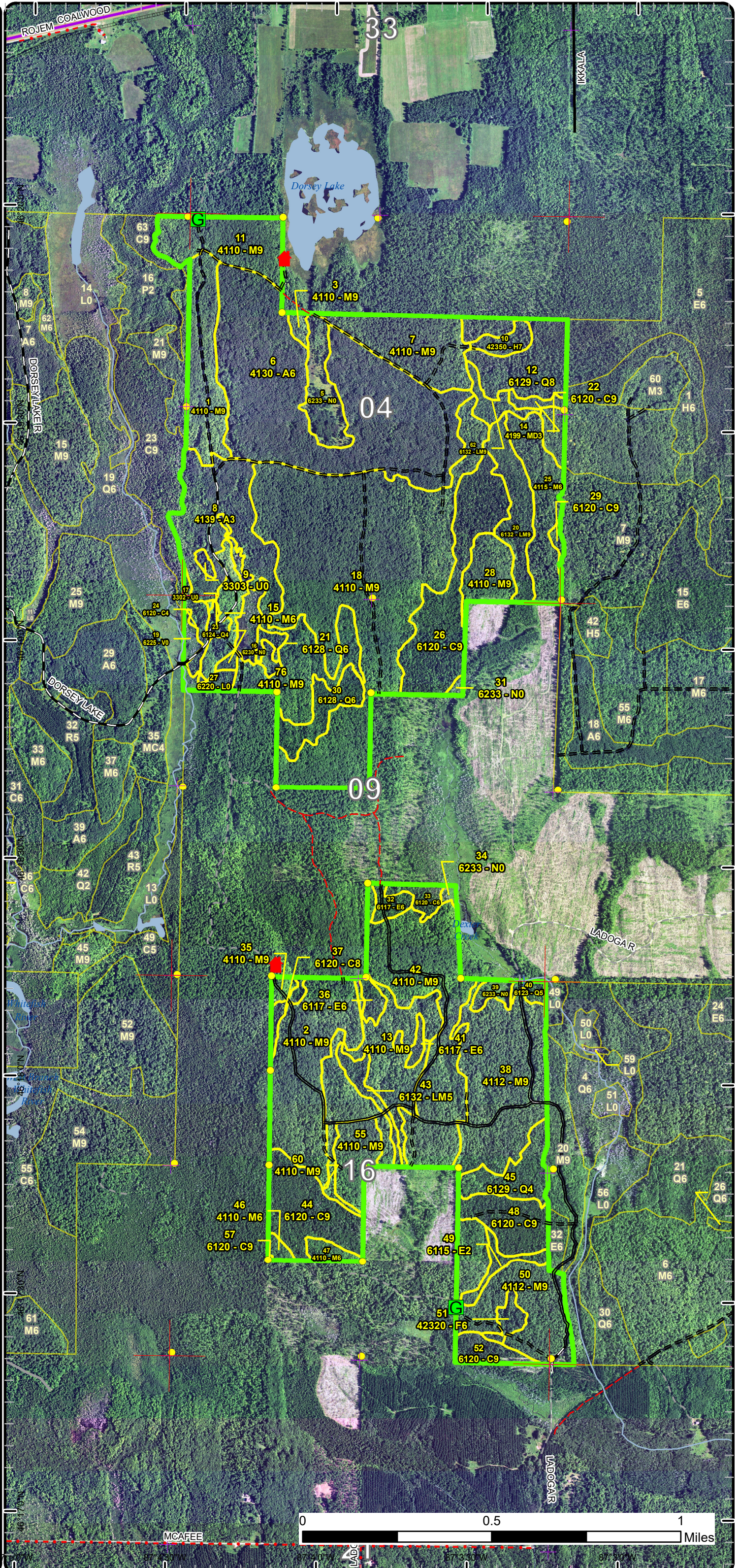


# Stand Boundary Map

Compartment: 102  
 T45N, R22W, Sec. 04,05,09,15,16  
 County: Alger  
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 YOE: 2025  
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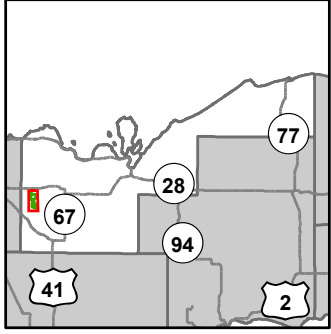


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
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- Federal / State / County - Paved Road
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- 411 - Northern Hardwood
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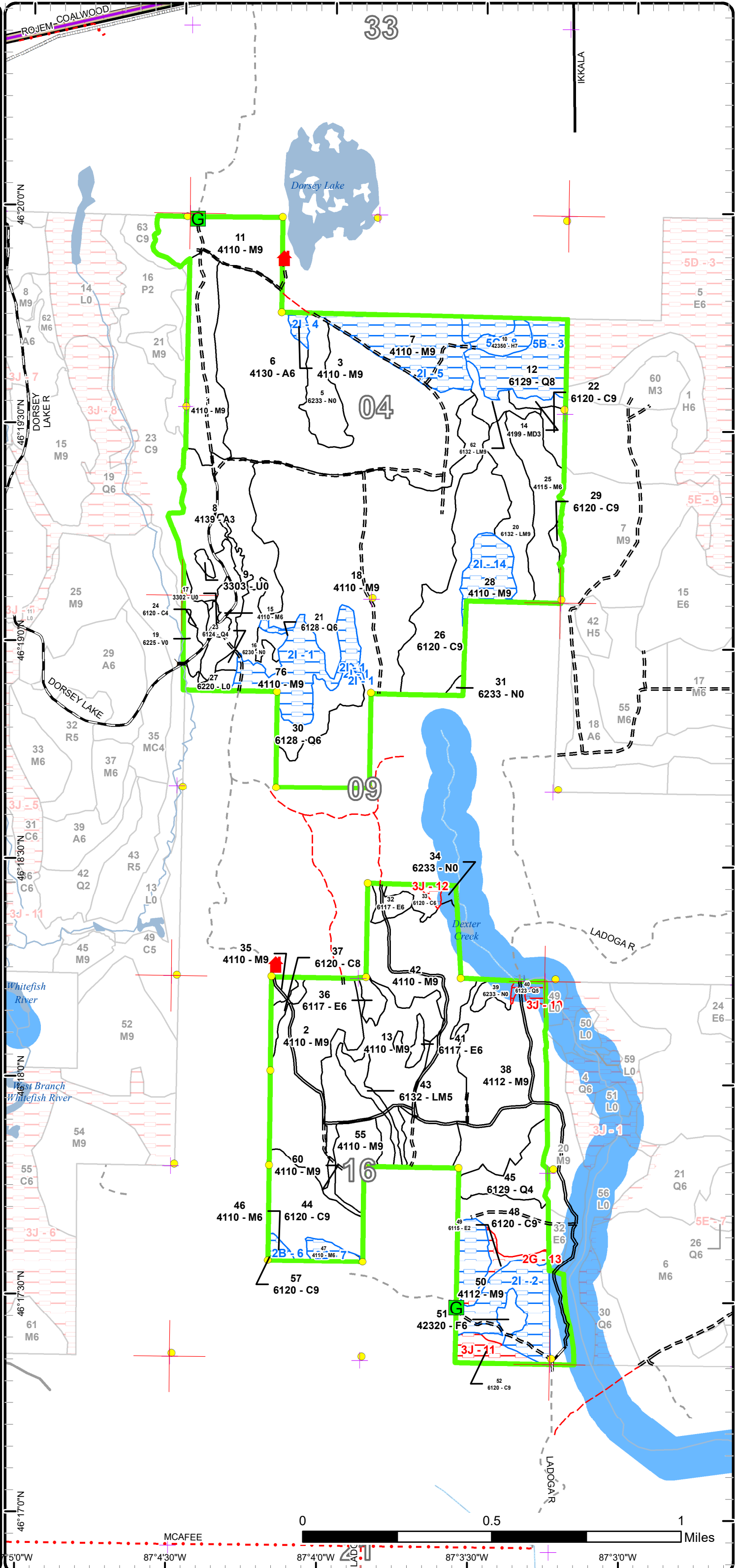


# Special Conservation Areas

Compartment: 102  
 T45N, R22W, Sec. 04,05,09,15,16  
 County: Alger  
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Cabin
- G Gate
- Bridges
- Culvert
- Pipeline
- Compartment Boundary
- Available w/ Constraints
  - 2I: Survey needed
  - 5B: Maintain for regeneration purposes
  - 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
  - 2G: Too wet (sensitive soils, does not include access issues)
  - 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
  - Wild & Scenic Rivers (USFS Lands)
  - Cold Water Streams
  - Cold Water Lakes
  - High Priority Trout Stream Buffer
  - Trail - Trail Corridor





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+	Unseen-Aged	Total
Aspen	0	0	0	45	133	0	0	0	0	0	0	0	0	0	0	0	0	0	178
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	5	6	53	0	0	53	0	0	117
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	0	0	0	0	0	3	0	0	1	3	15	13	0	0	0	28	0	62
Lowland Deciduous	0	0	0	0	5	0	0	0	0	0	11	0	0	0	0	0	0	0	16
Lowland Mixed Forest	0	0	0	0	0	0	0	6	0	0	0	25	0	0	0	0	0	0	31
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Marsh	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Mixed Upland Deciduous	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Northern Hardwood	0	0	0	0	60	0	0	0	44	47	0	409	0	0	0	0	25	41	626
Upland Spruce/Fir	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>198</b>	<b>0</b>	<b>3</b>	<b>11</b>	<b>44</b>	<b>48</b>	<b>19</b>	<b>455</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>58</b>	<b>41</b>	<b>1086</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 102

Total Compartment Acres: 1,087

Commercial Harvest - 208  
 Harvests with Site Condition - 122  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Lowland Conifers	13	0	0	0	0	0	0	0	0	13
Lowland Mixed Forest	0	0	0	0	21	0	0	0	0	21
Northern Hardwood	0	269	0	0	22	0	0	0	0	291
Upland Spruce/Fir	5	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>18</b>	<b>269</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>330</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	330	0	0	0	0	0	16	0	0	346
Next Step	0	0	0	0	0	0	287	0	0	287
<b>Total</b>	<b>330</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303</b>	<b>0</b>	<b>0</b>	<b>633</b>



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

**Proposed Treatments:**

<b>3</b>	<b>32102003-Cut</b>	2.3	4110 - Sugar Maple Association	Sawtimber Well	75	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 70-90 basal area. Consider leaving under represented species while marking such and black cherry and basswood.  <u>Specs:</u> Leave all hemlock and cedar if found within stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwoods  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed  <u>Proposed Start Date:</u> 10/1 /2024</p>											

<b>38</b>	<b>32102004-Cut</b>	58.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	35	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Harvest stand down to 70-90 BA. Consider leaving under represented species like cherry while marking. Leave all Hemlock, Cedar and Yellow Birch.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> maple, cherry, birch  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2024</p>											

<b>7</b>	<b>32102007-Cut</b>	30.8	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to approximately 70-90 BA. Consider leaving a few under represented species such as yellow birch while marking. Leave all cedar, hemlock, and Basswood if found within stand.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> Maple, Yellow birch, basswood.  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed  <u>Proposed Start Date:</u> 10/1 /2024</p>											





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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
13	32102013-Cut	46.8	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 70-90 basal area. Focus on removing poor quality trees and oversized canopy trees. While marking, favor leaving under represented trees such as yellow birch and cherry while cutting. Do not cut any hemlock, cedar, and Beech.</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</u> maple, cherry, yellow birch, beech.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
15	32102015-Cut	11.2	4110 - Sugar Maple Association	Poletimber Well	85	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 70-90 basal area. Retain all Yellow Birch. Favor to keep a few under represented species such as basswood, black cherry, and yellow birch.</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</u> Northern Hardwoods</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
28	32102028-Cut	13.7	4110 - Sugar Maple Association	Sawtimber Well	82	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively harvest stand down to 70-90 basal area. Favor to leave healthy cherry and yellow birch. Do not cut cedar, hemlock, and healthy Beech.</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</u> Northern hardwood species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
30	32102030-Cut	13.4	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	116	201+	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clear-cut stand using 2 inch specifications. Leave all hemlock, cedar, and all healthy Beech. Retention should include some healthy yellow birch and Black Cherry.</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</u> Red maple, yellow birch, cedar, and hemlock.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
46	32102046-Cut	2.1	4110 - Sugar Maple Association	Poletimber Well	85	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Harvest stand down to 70-90 BA. Consider leaving under represented species like cherry and yellow birch while marking. Leave all Hemlock, cedar, and yellow birch if found.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
47	32102047-Cut	3.9	4110 - Sugar Maple Association	Poletimber Well	85	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Harvest stand down to 70-90 BA. Consider leaving under represented species like cherry and yellow birch while marking. Leave all Hemlock and cedar if found.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
50	32102050-Cut	41.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	75	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Harvest stand down to 70-90 BA. Consider leaving underrepresented trees such as yellow birch, basswood and beech while marking for diversity. Do not cut cedar, white pine, hemlock, yellow birch and dead or alive Beech.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Northern Hardwoods.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
51	32102051-Cut	4.5	42320 - Upland Spruce	Poletimber Well	60	Unspecified	Harvest	Clearcut	42320 - Upland Spruce	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut stand using 2 inch specifications. Leave all cedar, hemlock, and white pine.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Spruce, fir, cedar.</p> <p><u>Other Comment:</u> No retention pockets needed due to small size of stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
<b>76 32102076-Cut</b>	28.3	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 70-90 Basal area. While marking consider leaving a few underrepresented species such as yellow birch, basswood, and black cherry. Do not cut and hemlock, cedar, and Beech if found.</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</u> Northern Hardwood species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

**Approved Treatments:**

<b>1 32102001-Cut</b>	29.6	4110 - Sugar Maple Association	Sawtimber Well	85	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark stand to 70-90 BA. Focus on improving quality while maintaining target BA. Remove all merchantable spruce/fir. Leave some large future snag trees for wildlife. Favor species diversity, especially basswood and yellow birch, while marking.</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</u> northern hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>20 32102020-Cut</b>	21.0	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	109	141-170	Harvest	Shelterwood	6132 - Mixed Lowland Forest with Cedar	Two-Aged	No
<p><u>Prescription</u> Harvest fir, maple, white birch, aspen, ash, spruce, tamarack and beech. Remove enough cedar and yellow birch to provide 40% to 50% residual canopy cover. Leave hemlock and white pine unless needed for logging equipment operability. Retain some scattered spruce for seed source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Stand will most likely need to be harvested during frozen periods. Specify that tree tops will not be chipped. Old next step comments:</p> <p><u>Comment:</u> Follow-up treatment with a regeneration survey as outlined in "Work Instruction 2.1 Reforestation". Cedar, hemlock, spruce, fir, aspen, birch and red maple are acceptable regeneration.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										



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
25	32102025-Cut	22.4	4115 - Y.Birch, Hemlock NH	Poletimber Well	150	111- 140	Harvest	Shelterwood	4115 - Y.Birch, Hemlock NH	Two-Aged	No
<p><u>Prescription</u> Harvest fir, maple, aspen, white birch, ash, spruce, tamarack and beech. Leave hemlock, cedar and white pine unless needed for logging  <u>Specs:</u> equipment operability. Retain some scattered spruce and black cherry. May need to use individual tree selection if areas are predominantly red maple, sugar maple and beech. Target residual basal area in these patches will be 60 to 80 square feet.</p> <p><u>Next Step</u>  <u>Treatments:</u></p> <p><u>Acceptable</u>  <u>Regen:</u></p> <p><u>Other</u> Attempt to minimize damage to hemlock regeneration in stand. Old next step comments: Follow-up treatment with a regeneration survey as  <u>Comment:</u> outlined in "Work Instruction 2.1 Reforestation". Maple, cedar, hemlock, spruce, birch, aspen and white pine are acceptable regeneration.</p> <p><u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2020</p>											
45	32102045- Monitor	16.0	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	106	1-50	Monitoring	Natural Regen (Re-Inventory)	6139 - Mixed Lowland Forest	Two-Aged	No
<p><u>Prescription</u> Follow-up treatment with a regeneration survey as outlined in "Work instruction 2.1 Reforestation". Cedar, hemlock, white pine, spruce, fir,  <u>Specs:</u> birch, aspen and maple are acceptable regeneration.</p> <p><u>Next Step</u>  <u>Treatments:</u></p> <p><u>Acceptable</u> Hemlock, cedar, ash, mixed S/F, yellow birch, and a component of other mixed hardwoods  <u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%  <u>Comment:</u></p> <p><u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2024</p>											

**Total Treatment** 346.1  
**Acres Proposed:**

## Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 102

Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Avail			Dominant Site Conditions						
		With Condition	Not Available		2B	2I	5B	5C	2G	3J	
178	178	0	0	Aspen							
3	3	0	0	Bog							
116	108	0	9	Cedar	0						9
5	0	5	0	Hemlock			0	5			
4	4	0	0	Low-Density Trees							
63	32	28	3	Lowland Conifers			28				3
16	11	0	5	Lowland Deciduous					5		
32	32	0	0	Lowland Mixed Forest							
4	4	0	0	Lowland Shrub							
33	33	0	0	Marsh							
3	3	0	0	Mixed Upland Deciduous							
626	512	115	0	Northern Hardwood	6	109					
5	5	0	0	Upland Spruce/Fir							
1,087	923	148	17	Total Forested Acres	6	109	28	5	5		11
	85%	14%	1%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2I: Survey needed	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2023: Survey corner to the west needed for management.							
2	Available	2I: Survey needed	34	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2023: Survey Needed							
3	Available	5B: Maintain for regeneration purposes	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Very sparse hemlock that was left for retention in past.							

## Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 102

Peter Holodnick : Examiner

Year of Entry: 2025

4	<b>Available</b>	<b>2I: Survey needed</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2023: Survey needed.							
5	<b>Available</b>	<b>2I: Survey needed</b>	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2023: Survey needed.							
6	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Delay treatment for regeneration purposes.							
9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 102

Peter Holodnick : Examiner

Year of Entry: 2025

10	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2023: Stand is too close to trout stream to manage.							
11	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Available</b>	<b>2I: Survey needed</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2023: Survey needed.							

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

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## 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.

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
1	4110 - Sugar Maple Association	Sawtimber Well	29.6	85	141-170	N/A	Very dense hardwood stand. Moderate to better quality with a lot of poor quality trees mixed in. Average small sawlog sized trees with a lot of poles mixed in. Average of over 140 BA.																																																								
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2	4110 - Sugar Maple Association	Sawtimber Well	50.0	100	51-80	N/A	High quality timber stand. Trembling aspen, bigtooth aspen, white spruce, white birch fir, basswood and white pine are infrequent overstory associates. Hemlock, white spruce, white pine and yellow birch saplings found. Abundant tree regeneration.																																																								
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3	4110 - Sugar Maple Association	Sawtimber Well	2.3	75	141-170	N/A	2023: Decent quality northern hardwoods stand primarily dominated by sugar maple. Basswood and cherry also found.																																																								
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5	6233 - Wet Meadow	Nonstocked	16.2		Unspecified	No	2023: Wet marsh that is flooded. There is an ash and soft maple component but the majority of the ash is dead. Marsh grasses/sedges prevalent. No standing water at this time. Sporadic fir, trembling aspen, elm and balsam poplar poles found. This wetland is connected to Dorsey lake to the North.																																																								
6	4130 - Aspen	Poletimber Well	133.1	35	141-170	N/A	2023: Stand is in good condition, mainly aspen with a few maple and cherry mixed in. The aspen is 6-10 inches dbh with a few being over 10 inches. Trembling aspen ranges from 4 to 8 inches Dbh. Bigtooth aspen are up to 10 inches Dbh. Fir, white spruce, beech, white birch and yellow birch saplings present.																																																								
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7	4110 - Sugar Maple Association	Sawtimber Well	30.8	100	111-140	N/A	2023: Good quality hardwood stand. Mainly sugar maple with a few basswood mixed. Basal area is 110-140. Found some scattered American elm poles. Raspberry heavy in many patches. Maple regeneration is abundant.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
<b>8</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	44.7	24	Unspecified	N/A	Scarce white spruce, trembling aspen, elm and balsam poplar poles found. Red maple, ironwood and balsam poplar saplings present. Patches heavy to sugar maple and red maple saplings. Small, scattered wetland pockets with white spruce, fir and cedar.																																												
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<b>9</b>	3303 - Mixed Low Density Trees	Nonstocked	1.4		Unspecified	No	Some areas really filling in with trees. White spruce, sugar maple, fir and cherry saplings present. Fir, black cherry and white spruce poles observed.																																												
<b>10</b>	42350 - Upland Hemlock	Sawtimber Poor	5.3	150	Unspecified	N/A	2023: Stand is mainly a hemlock stand with some cedar mixed in. Many different tree species are here. Many hemlock saplings and seedlings are growing in this stand.  Site is a mosaic of upland and lowland sites. Regeneration is so dense that walking through stand is very difficult. Beech saplings present. Yellow birch and red maple are infrequent overstory associates.																																												
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<b>11</b>	4110 - Sugar Maple Association	Sawtimber Well	27.4	85	51-80	N/A	2023: Stand has very good timber quality. Pockets with higher sawlog-size trees. Stand was harvested in 2020. Many poles are in the stand that have high quality.																																												
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<b>12</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	28.1	150	Unspecified	N/A	2023: This stand contains many different ages of hemlock as well as cedar. Hold for management in the future.  Hemlock regeneration is well-stocked, 12 to 16 feet tall. Yellow birch regeneration heavy in patches. Residual hemlock overstory is in a patchy distribution with large gaps fully exploited by natural regeneration. Black spruce regeneration present. Regeneration of many tree species is abundant.																																												
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<b>13</b>	4110 - Sugar Maple Association	Sawtimber Well	46.9	100	111-140	N/A	2023: High quality stand with very good regeneration. Stand is primarily hard maple but with a small mix of beech, cherry, and yellow birch. High quality timber stand. Trembling aspen, bigtooth aspen, white spruce, white birch fir, basswood and white pine are infrequent overstory associates. Hemlock, white spruce, white pine and yellow birch saplings found. Abundant tree regeneration.																																																									
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<b>14</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	2.7	23	51-80	N/A	Some lowland areas. Extremely dense, diverse regeneration. It is difficult to walk through stand due to high stems/acre. White pine, beech, cedar and white spruce saplings observed.																																																									
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<b>15</b>	4110 - Sugar Maple Association	Poletimber Well	11.2	85	141-170	N/A	2023: Higher quality hardwood stand. Size of trees varies throughout stand for logs and poles.  Good quality timber. White spruce saplings found.																																																									
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<b>16</b>	6230 - Cattail	Nonstocked	10.6		Unspecified	No	Open water found in places. Fringe of fir saplings. Patches of flooded cedar.																																																									
<b>17</b>	3302 - Low Density Conifer Trees	Nonstocked	2.4		Unspecified	No	Couple of apple trees present. Old borrow pit located here. Majority of encroaching trees are white spruce poles and saplings. Black cherry, trembling aspen, balsam poplar and sugar maple poles are associates. Black cherry and fir saplings around.																																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>18</b>	4110 - Sugar Maple Association	Sawtimber Well	169.3	100	51-80	N/A	Well-stocked advance maple regeneration in many areas. White ash sawtimber and poles encountered. Hemlock, white spruce, white birch, elm and trembling aspen are infrequent overstory associates. White spruce and fir saplings present. Cut in 2020
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Log/Pole	12	100
Red Maple	5	Log/Pole	16	
Yellow Birch	5	Pole/Log	8	
Beech	5	Log/Pole	16	
Black Cherry	5	Log	16	
Basswood	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	5 - 10 feet	Sapling
Beech	Low	5 - 10 feet	Sapling
Sugar Maple	Medium	5 - 10 feet	Sapling

<b>19</b>	6225 - Bog	Nonstocked	2.7		Unspecified	No	2023: Bog with a few dead trees and sedges.  Leatherleaf and marsh grasses/sedges. Dead cedar poles. Very scenic view. Creek flowing through stand.
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<b>20</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	19.4	109	141-170	N/A	Sizeable areas of stand are upland, particularly to the north. Higher levels of overstory red maple on upland patches. Beech, black spruce and yellow birch saplings found. Fir and black spruce are overstory components. Black ash ranges from 1 to 3 sticks tall.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	15	Pole	8	
Hemlock	20	Log/Pole/XLog	16	
Yellow Birch	10	Pole/Log	9	
Northern White Cedar	35	Log/Pole	12	109
Red Maple	20	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	10 - 20 feet	Sapling
Northern White Cedar	Low	10 - 20 feet	Sapling
Hemlock	Medium	>20 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Hemlock	Low	5 - 10 feet	Sapling

<b>21</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	2.5	92	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	9	
Balsam Fir	5	Pole	8	
Black Spruce	30	Log/Pole	12	
Northern White Cedar	45	Pole/Log	9	92

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling

<b>22</b>	6120 - Lowland Cedar	Sawtimber Well	5.1	114	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	9	
Northern White Cedar	50	Log/Pole	12	114
Balsam Fir	5	Pole	8	
Yellow Birch	5	Pole	8	
Hemlock	30	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	Sapling

<b>23</b>	6124 - Lowland Spruce-Fir	Poletimber Poor	1.3	85	Unspecified	N/A	Scattered black ash poles found. white birch saplings present.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	25	Pole	6	
Black Spruce	40	Pole	7	85
Northern White Cedar	35	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
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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**24**      6120 - Lowland Cedar      Poletimber Poor      5.5      105      81-110      N/A      Cedar crowns fairly healthy. White birch and balck ash saplings present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	6	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
Black Spruce	4	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	90	Pole	8	105				

**25**      4115 - Y.Birch, Hemlock NH      Poletimber Well      25.3      150      111-140      N/A      Pockets of heavy hemlock regeneration (5 to 10 feet tall), mainly on old roads and trails. Cedar, black cherry and sugar maple are infrequent overstory associates. White spruce and cedar saplings found. Overstory stocking levels vary. Stand was not treated in past to south. Tree regeneration is abundant.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	10	Pole/Log	9		Red Maple	Medium	5 - 10 feet	Sapling
Hemlock	40	Log/Pole	16	150	Yellow Birch	Low	10 - 20 feet	Sapling
Red Maple	35	Pole/Log	9	90	Beech	Medium	5 - 10 feet	Sapling
Yellow Birch	15	Pole/Log	8		Balsam Fir	Low	5 - 10 feet	Sapling
					Hemlock	Medium	5 - 10 feet	Sapling

**26**      6120 - Lowland Cedar      Sawtimber Well      43.4      116      201+      N/A      Cedar crowns are vigorous. Mountain maple found in patches. Cedar saplings are present. Infrequent overstory white pines found.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	73	Log/Pole	14	116	Black Ash	Low	5 - 10 feet	Sapling
Hemlock	5	Log/Pole	14		Balsam Fir	Low	10 - 20 feet	Sapling
Red Maple	5	Pole/Log	8					
Balsam Fir	5	Pole	6					
Black Ash	2	Pole	8					
Black Spruce	5	Log/Pole	14					
Yellow Birch	5	Pole/Log	8					

**27**      6220 - Alder/willow      Nonstocked      3.9           Unspecified      No      Trout stream flowing through stand. Pretty wet.

**28**      4110 - Sugar Maple Association      Sawtimber Well      13.7      82      111-140      N/A      2023: Northern hardwood stand with a mix of yellow birch, beech, and primarily unhealthy cherry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	8	Pole/Log	9		Sugar Maple	High	5 - 10 feet	Sapling
Yellow Birch	6	Pole/Sapling	6					
Beech	4	Pole	8					
Sugar Maple	74	Log	11	82				
Red Maple	8	Pole/Log	9					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**29** 6120 - Lowland Cedar Sawtimber Well 1.6 114 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Hemlock	30	Log/Pole	12					
Red Maple	10	Pole/Log	9					
Yellow Birch	5	Pole	8					
Northern White Cedar	50	Log/Pole	12	114				

**30** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 13.3 116 201+ N/A

2023: Lowland stand that is primarily hemlock, red maple, and cedar. Stand is pretty wet to the north. Large areas of stand are upland. More lowland condition to Northeast. Red maple, hemlock, yellow birch and beech saplings present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Beech	4	Pole	8					
Northern White Cedar	20	Pole/Log	8	116				
Quaking Aspen	2	Log	14					
Hemlock	20	Log/Pole	16	116				
Black Spruce	10	Log/Pole	12					
Yellow Birch	9	Pole/Log	9					
Red Maple	15	Pole/Log	9					

**31** 6233 - Wet Meadow Nonstocked 1.0 Unspecified No Flooding. Dead cedar. Some tag alder.

**32** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 4.4 92 Unspecified N/A

2023: Very wet lowland. Mix of many various species of lowland conifers. Standing water in most areas. Cedar crowns full and healthy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	20	Pole/Sapling	6		Black Ash	Low	>20 feet	Sapling
Quaking Aspen	4	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	8	Pole	8					
Black Spruce	10	Log/Pole	10					
Balsam Poplar	4	Log/Pole	12					
Hemlock	4	Pole	9					
Northern White Cedar	15	Pole/Log	9					
Yellow Birch	35	Pole/Log	8	92				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 6120 - Lowland Cedar Poletimber Well 5.0 92 171-200 N/A 2023: Primarily a cedar stand the is mixed with ash, yellow birch, hemlock, and tag alder.Cedar trunks have nice form. Yellow birch saplings found.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log	16		Balsam Fir	Low	5 - 10 feet	Sapling
Black Ash	4	Pole	6					
Black Spruce	6	Log	14					
Yellow Birch	8	Pole/Log	8					
Red Maple	4	Pole	6					
Hemlock	10	Log/XLog	16					
Northern White Cedar	66	Pole/Log	9	92				

**34** 6233 - Wet Meadow Nonstocked 1.2 Unspecified No Flooding.

**35** 4110 - Sugar Maple Association Sawtimber Well 2.4 100 51-80 N/A High quality timber stand. Cut in 2020

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	14		Beech	Low	5 - 10 feet	Sapling
Black Cherry	5	Log/Pole	14		Sugar Maple	High	< 5 feet	Sapling
Sugar Maple	80	Log/Pole	14	100	Ironwood	Low	5 - 10 feet	Sapling
Yellow Birch	5	Log/Pole	10		Sugar Maple	Medium	10 - 20 feet	Sapling
Beech	5	Log/Pole	14					

**36** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 3.6 92 111-140 N/A Standing water in most areas. Cedar crowns full and helathy. Patches which have higher cedar stocking. Sugar maple, beech and red maple saplings found.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	6	Pole/Sapling	6		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	4	Pole	8		Black Ash	Medium	10 - 20 feet	Sapling
Northern White Cedar	10	Pole/Log	9					
Red Maple	25	Pole	8					
Black Ash	20	Pole/Sapling	6					
Black Spruce	5	Log/Pole	10					
Yellow Birch	30	Pole/Log	8	92				

**37** 6120 - Lowland Cedar Sawtimber Medium 3.4 110 111-140 N/A Small marsh patch around road that has ponded water. Other ponds throughout stand. Water is flowing across road. Trembling aspen and black ash poles present. Black ash saplings found.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
Yellow Birch	20	Log/Pole	12		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole	8					
Northern White Cedar	60	Log/Pole	12	110				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
38	4112 - Maple, Beech, Cherry Association	Sawtimber Well	60.0	35	111-140	N/A	Trembling aspen and yellow birch poles found. Yellow birch and white spruce saplings present.																																																								
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39	6233 - Wet Meadow	Nonstocked	3.8		Unspecified	No	2023: Flooded. Part of Dexter creek corridor. Sparse dead cedar. Blasam fir and white spruce saplings found. Tag alder.																																																								
40	6123 - Lowland Fir	Poletimber Medium	2.7	50	Unspecified	N/A	2023: Dexter creek runs along edge of stand. Very wet stand and within 300 feet of trout stream.																																																								
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41	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	3.0	92	81-110	N/A	Many samll ponds throughout stand. Ash have very poor form. Yellow birch saplings found.																																																								
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42	4110 - Sugar Maple Association	Sawtimber Well	67.3	100	51-80	N/A	High quality timber stand. Trembling aspen, bigtooth aspen, white spruce, white birch fir, basswood and white pine are infrequent overstory associates. Hemlock, white spruce, white pine and yellow birch saplings found. Abundant tree regeneration.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**43** 6132 - Mixed Lowland Forest with Cedar Poletimber Medium 6.2 69 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	4	Pole	6		Sugar Maple	Medium	5 - 10 feet	Sapling
Black Spruce	10	Pole	6		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	6	Pole	6					
Black Ash	20	Pole/Sapling	5					
Yellow Birch	20	Pole	6					
Northern White Cedar	30	Pole	8	69				
Balsam Fir	10	Pole	6					

**44** 6120 - Lowland Cedar Sawtimber Well 27.7 141 201+ N/A

Cedar crowns full and healthy. Black ash is infrequent overstory associate. Yellow birch saplings present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	12		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole	8		Mountain Maple	Low	10 - 20 feet	Tall Shrub
Balsam Poplar	2	Log/Pole	12		Black Ash	Low	5 - 10 feet	Sapling
Yellow Birch	5	Log/Pole	16		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	73	Log/Pole	14	141				
Black Spruce	5	Pole/Log	9					

**45** 6129 - Mixed Coniferous Lowland Forest Poletimber Poor 15.3 106 1-50 N/A

3/31/21 KM: Cut with Ladoga Lowland sale #32-017-15, TCR 1/6/20. Scattered residual cedar, hemlock, WP, and YB.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	10	Pole/Sap/Log	8		Beech	Low	5 - 10 feet	Sapling
White Pine	25	Log	16		Balsam Fir	Low	5 - 10 feet	Sapling
Northern White Cedar	40	Pole	9	106	Northern White Cedar	Low	>20 feet	Pole
Hemlock	25	Log/Pole/XLog	10	106	Red Maple	Medium	< 5 feet	Sapling
					Quaking Aspen	Medium	< 5 feet	Sapling
					Hemlock	Low	>20 feet	Pole

Area is a mix of upland and lowland with no apparent surface water found. Spruce and aspen are over-mature and in decline. Cedar and hemlock are quite patchy in distribution. White spruce and black cherry are infrequent overstory associates, White spruce, white pine, cedar and yellow birch saplings present. Higher percentage of overstory cedar to northeast corner of stand.

**46** 4110 - Sugar Maple Association Poletimber Well 2.1 85 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole	6		Balsam Fir	Low	5 - 10 feet	Sapling
Northern White Cedar	2	Log/Pole	14					
Sugar Maple	92	Pole/Log	9	85				
Yellow Birch	4	Log/Pole	12					

**47** 4110 - Sugar Maple Association Poletimber Well 3.9 85 111-140 N/A

Yellow birch and white spruce sawtimber-sized trees present. White pine and beech saplings found.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Pole/Log	9	85	Sugar Maple	Medium	< 5 feet	Seeding
Black Cherry	25	Pole/Log	9		Ironwood	Low	5 - 10 feet	Sapling
Red Maple	10	Pole/Log	9		White Spruce	Low	5 - 10 feet	Sapling
					Balsam Fir	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**48** 6120 - Lowland Cedar Sawtimber Well 17.5 140 171-200 N/A 2023: Cedar crowns full and healthy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Pole	8		Mountain Maple	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	6	Pole	6		Balsam Fir	Low	5 - 10 feet	Sapling
Northern White Cedar	78	Pole/Log	10	140				
Black Spruce	10	Log	16					
Yellow Birch	2	Log/Pole	16					

**49** 6115 - Lowland Ash Sapling Medium 5.2 38 Unspecified N/A Mountain maple present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	4	Log/Pole	14		Beech	Low	< 5 feet	Sapling
Black Ash	70	Sapling/Pole	4	38	Balsam Fir	Low	5 - 10 feet	Sapling
Black Spruce	5	Pole/Log	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	5	Pole	8					
Balsam Fir	16	Pole	6					

**50** 4112 - Maple, Beech, Cherry Association Sawtimber Well 41.9 75 141-170 N/A 2023: Medium quality maple stand that contains a mix of cherry, YB, BW, and RM. Many of the trees are log size and regeneration is doing very well from previous harvest. Cherry is low quality and has a lot of black knot. Canada yew found. Tree regeneration adequate. Uniform poletimber stand. High quality sugar maple saplings just reaching canopy. Pockets of nice cherry coppice 8 to 10 feet tall. Ironwood, yellow birch, white pine, hemlock, white pine and cedar are infrequent overstory associates. White pine saplings present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Pole/Log	8		Sugar Maple	Medium	>20 feet	Sapling
Beech	2	Log	12		White Spruce	Low	5 - 10 feet	Sapling
Sugar Maple	56	Log	10	75	Beech	Low	< 5 feet	Sapling
White Spruce	2	Log/Pole	14		Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	6	Pole	8					
Red Maple	10	Log	10					
Black Cherry	20	Pole	8					
Basswood	2	Log	10					

**51** 42320 - Upland Spruce Poletimber Well 4.5 60 Unspecified N/A 2023: White spruce stand with a mix of fir. Traces of maple and cherry saplings and poles in the understorey.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
Sugar Maple	10	Pole	6		Black Cherry	Medium	5 - 10 feet	Sapling
White Spruce	65	Log	10	60				
Balsam Fir	20	Pole	8	60				

**52** 6120 - Lowland Cedar Sawtimber Well 7.3 141 171-200 N/A Cedar have full, healthy crowns. Red maple and yellow birch are infrequent overstory associates. White birch saplings present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	70	Log/Pole	12	141	Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole/Sapling	9		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	5	Pole	9					
Black Spruce	15	Log/Pole	14					
Tamarack	5	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
<b>55</b>	4110 - Sugar Maple Association	Sawtimber Well	13.8	100	51-80	N/A	High quality timber stand. Trembling aspen, bigtooth aspen, white spruce, white birch fir, basswood and white pine are infrequent overstory associates. Hemlock, white spruce, white pine and yellow birch saplings found. Abundant tree regeneration.																																																									
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<b>57</b>	6120 - Lowland Cedar	Sawtimber Well	0.1	141	201+	N/A	Cedar crowns full and healthy. Black ash is infrequent overstory associate. Yellow birch saplings present.																																																									
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<b>60</b>	4110 - Sugar Maple Association	Sawtimber Well	0.0	100	51-80	N/A	High quality timber stand. Trembling aspen, bigtooth aspen, white spruce, white birch fir, basswood and white pine are infrequent overstory associates. Hemlock, white spruce, white pine and yellow birch saplings found. Abundant tree regeneration.																																																									
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<b>62</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	6.0	109	141-170	N/A	Sizeable areas of stand are upland, particularly to the north. Higher levels of overstory red maple on upland patches. Beech, black spruce and yellow birch saplings found. Fir and black spruce are overstory components. Black ash ranges from 1 to 3 sticks tall.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**76**      4110 - Sugar Maple Association      Sawtimber Well      28.5      100      111-140      N/A

Well-stocked advance maple regeneration in many areas. White ash sawtimber and poles encountered. Hemlock, white spruce, white birch, elm and trembling aspen are infrequent overstory associates. White spruce and fir saplings present. Was not cut with adjacent maple stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Log	16		Sugar Maple	Medium	5 - 10 feet	Sapling
Red Maple	5	Log/Pole	16		Beech	Low	5 - 10 feet	Sapling
Basswood	5	Log/Pole	12		Ironwood	Low	5 - 10 feet	Sapling
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Sugar Maple	75	Log/Pole	12	100				