



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32051

Entry Year: 2027

Acreage: 8,751

County: Marquette

Management Area: Ralph Moraine

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**Stand Examiner:** Jacob Siler

## **Legal Description:**

T44N, R26W, Sections 8, 9, 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 35, 36T44N, R25W Sections 19, 29, 30, 31, 32

## **Identified Planning Goals:**

The majority of this compartment constitutes the Bill Rollo Grouse Enhanced Management Site (GEMS). Management activities are prioritized by the GEM.

## **Soil and topography:**

Terrain is relatively level to lightly sloping with soils ranging from mucks in the bog areas to excessively drained sands in the northeast portion of the compartment. Major soil associations include the Sagola-Rubicon Complex, Emmet-Escanaba, Paquin-Finch sand, and Rubicon sand.

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

The area is predominately state-owned land, with one 40-acre private, non-industrial in-holding. The Bill Rollo Grouse Enhanced Management Site (GEMS) now contains most of the compartment. The area hosts a variety outdoor activity: hunting, fishing, hiking, and ATV/snowmobile riding.

## **Unique Natural Features:**

The compartment is bordered by Chandlers Brook on the east side, Bryan Creek on the west and the West Branch of the Escanaba River on the south side. It contains Landon Lake and 3 ERA sites (Ecological Reference Area).

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

There is some evidence of old logging camps in this compartment but no major concerns.

## **Special Management Designations or Considerations:**

The compartment contains the Bill Rollo Grouse Enhanced Management Site (GEMS). This compartment also contains 3 ERA sites; poor conifer swamp. Management is guided by the Bill Rollo GEMS Management Plan.

## **Watershed and Fisheries Considerations:**

This compartment contains Poplar Creek, Bryan Creek, Chandler Brook, Bobs Creek, Wilson Creek, and the West Branch Escanaba River. These streams are all designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 59.9 to 66.9°F (cold to cool streams). 300-ft buffers are recommended for these streams in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

## **Wildlife Habitat Considerations:**

This compartment is found within the Ralph Moraine Management Area, on Ground Moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes. The following have been identified as featured species for the Ralph Moraine Management Area: American Woodcock, Blackburnian Warbler, Golden-winged Warbler, Wood Thrush, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear. For lands purchased with Pittman-Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

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

No known potential exists for commercial oil & gas production in this part of the state. The Kate's Grade sand & gravel pit is less than one mile west. While it is unclear whether the State owns the sand & gravel rights for the existing pit, the DNR had recently leased the undeveloped property just south of the pit to the Dickinson County Road Commission. That lease terminated last year without the DCRC ever developing the property. There is good potential for additional development of sand & gravel within the compartment on the upland drumlins. Historic abandoned iron mines occur roughly five miles northeast of the compartment. There is no history of exploration or mining within the compartment, and there is no current metallic mineral leasing activity involving State-owned mineral rights in the area. There may be some potential for the occurrence of metallic or critical minerals at depth beneath the compartment, but further investigation would be required, and, at this time, potential of future metallic mineral mining within the compartment is considered low. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

**Vehicle Access:**

Vehicle access to the compartment is excellent via County Road 438, Perrin Bros. Road, and numerous 2-tracks.

**Survey Needs:**

**Recreational Facilities and Opportunities:**

Bill Rollo memorial GEM hosts hunting, hiking and snowshoeing. The compartment also contains many 2-tracks for hunting and fishing access. A snowmobile trail also runs down Perrin Bros Rd.

**Fire Protection:**

This compartment has a low risk for wildfire.

**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**

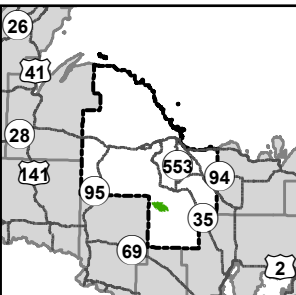
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

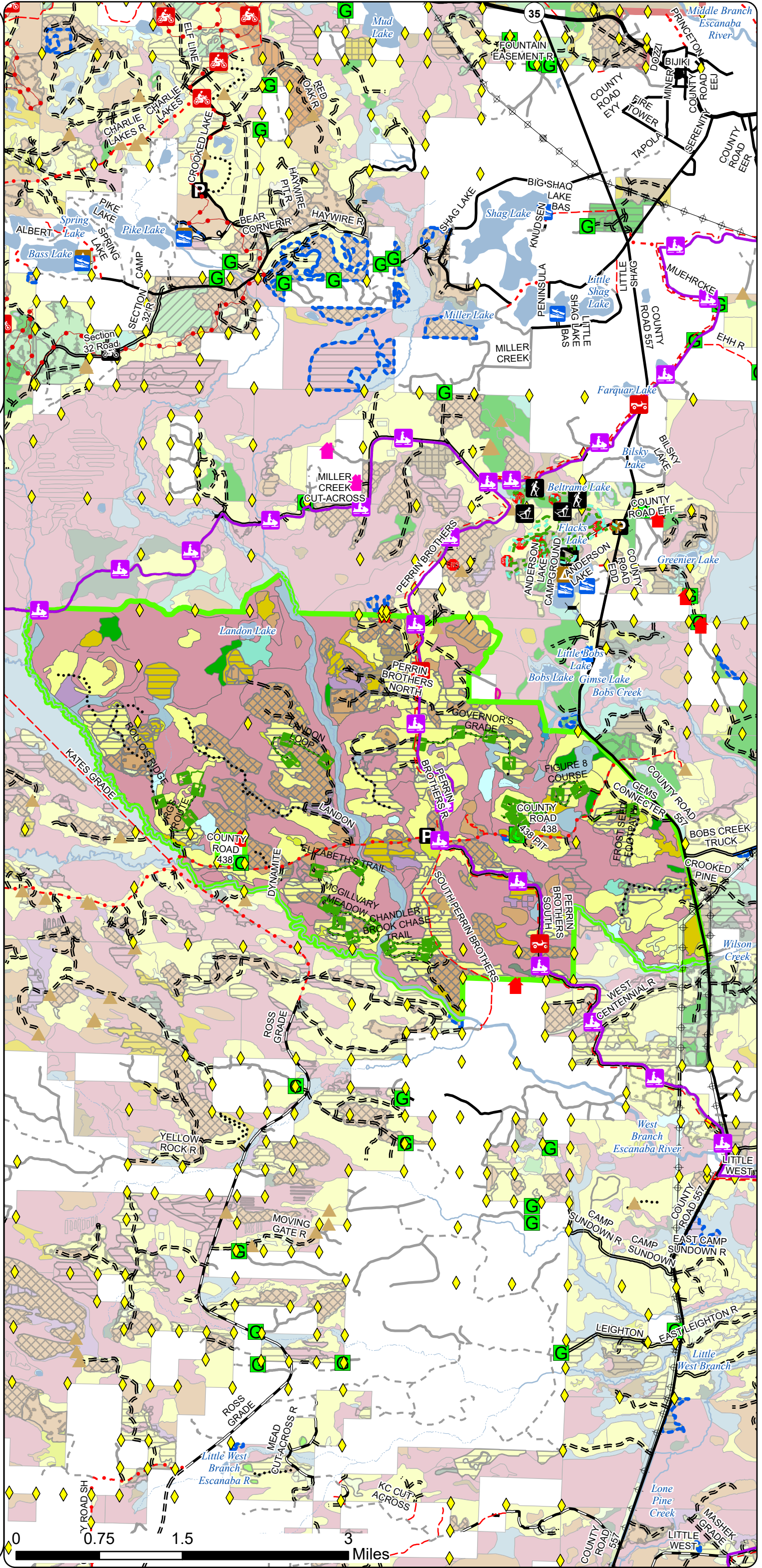


Cover Type & Treatments Map

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County: Marquette  
Unit: Gwinn  
Mgmt. Area: Ralph Moraine  
YOE: 2027  
Acres: 8,750.77 GIS Calculated  
Examiner: Jacob Siler  
Date Exported: 08/20/2025  
Map Phase: Web Post



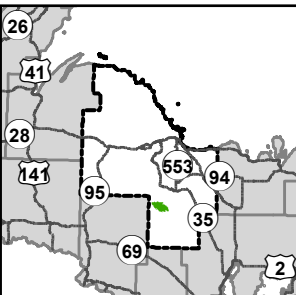
- Survey Grade Corners
- Cabin
- House
- Toilet
- Structure, Seasonal Dwelling
- Berns
- Gate
- Boating Access Site
- Bridges
- Culvert
- Campground
- City
- Parking Lot
- Sign
- Trailhead
- Designated Hiking Pathways
- Designated Hunter Walking Trails
- Designated Motorcycle Trails
- Designated ORV Routes
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- DNR - Management Access
- Powerline
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Seed Tree
- Shelterwood
- Thinning
- Openings Mgmt.
- Monitoring - Regeneration
- Selection (Outside Compartment)
- Clearcut
- Selection
- Strip/Patch Cut
- Seed Tree
- Shelterwood
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- Planting (tree species)
- Pesticide
- Openings Mgmt.
- Monitoring - Regeneration
- Other Treatments - See Comments
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
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- 330 - Low Density Trees
- 622 - Lowland Shrub
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- 629 - Mixed non-forested Wetland



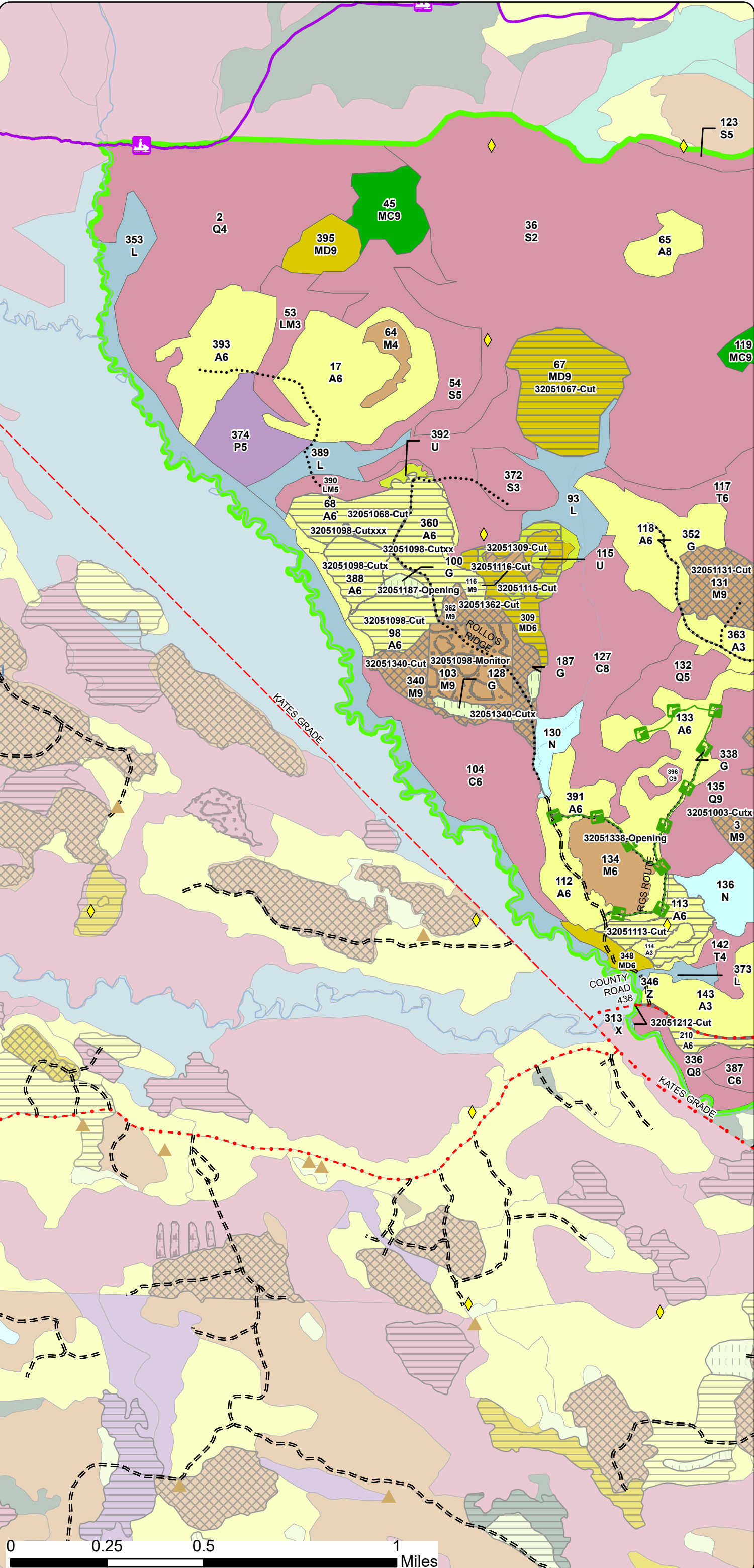


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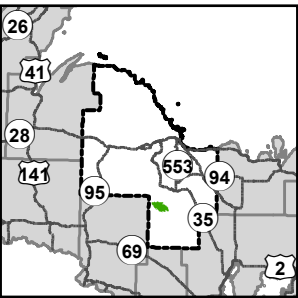
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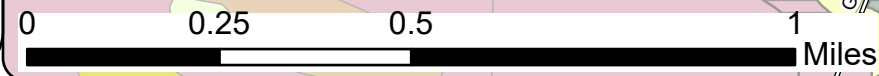
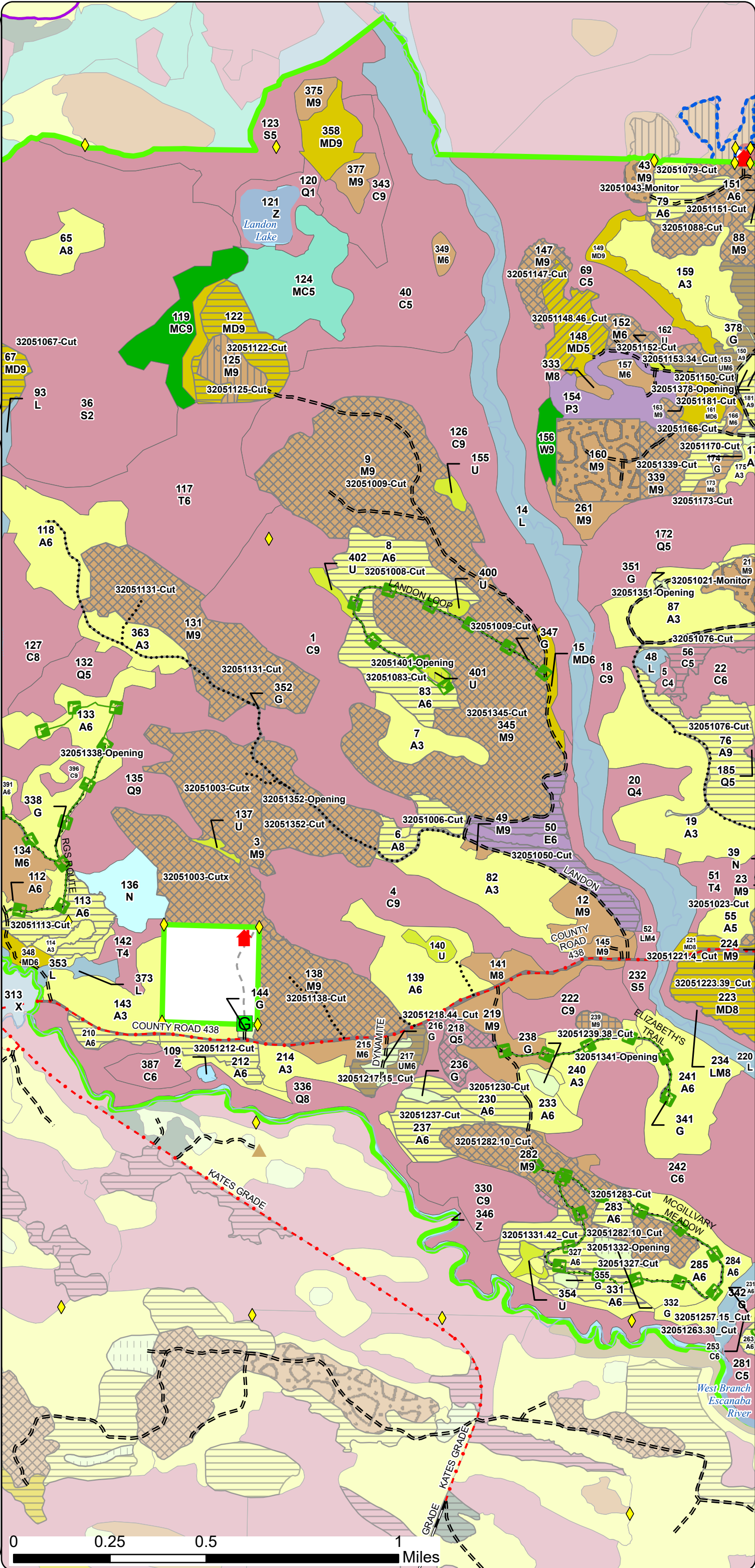


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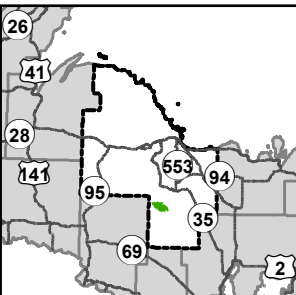
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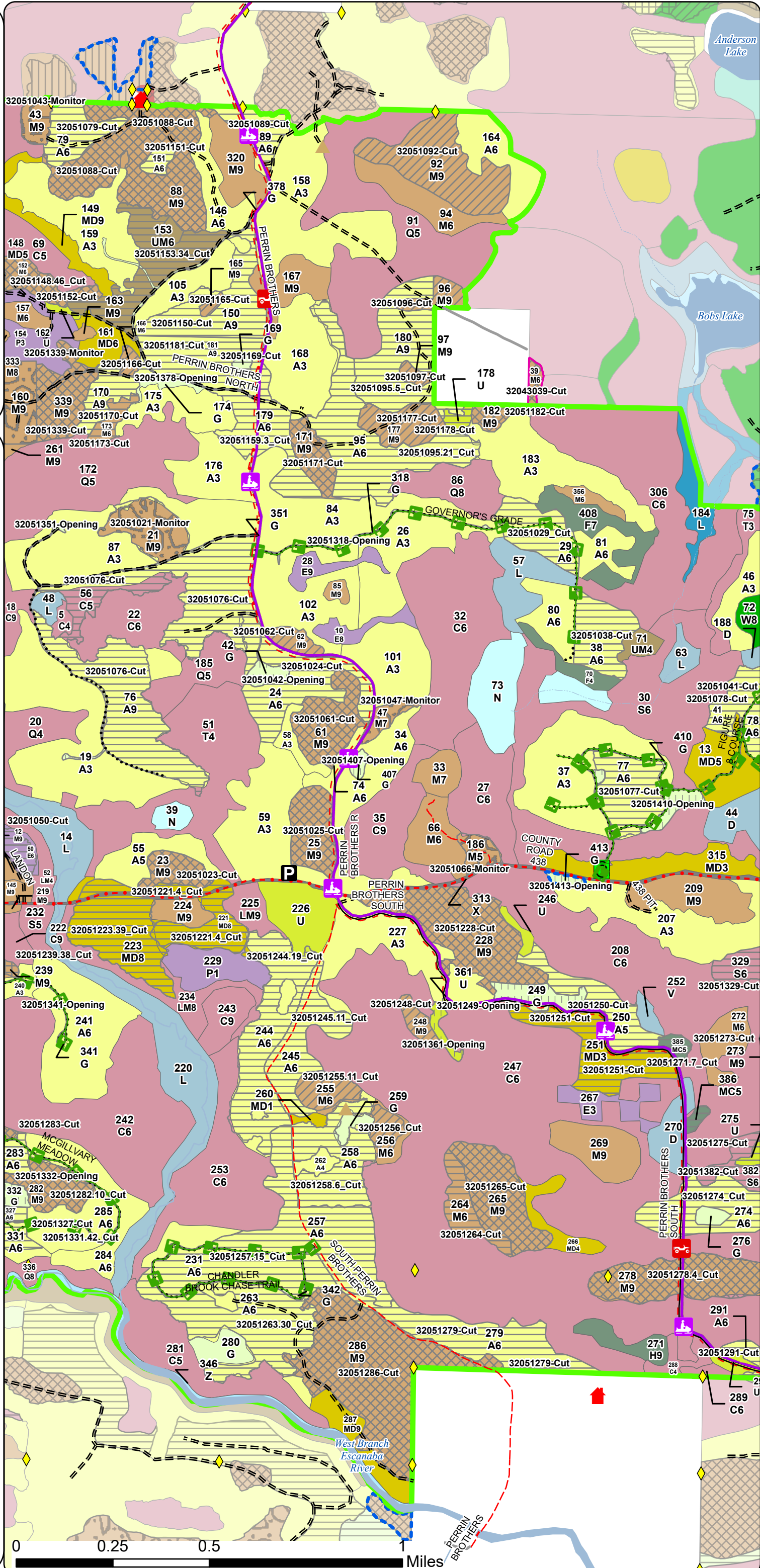


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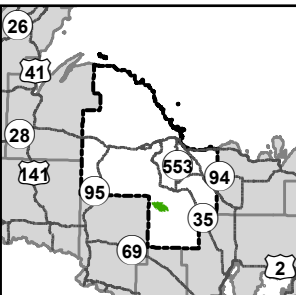
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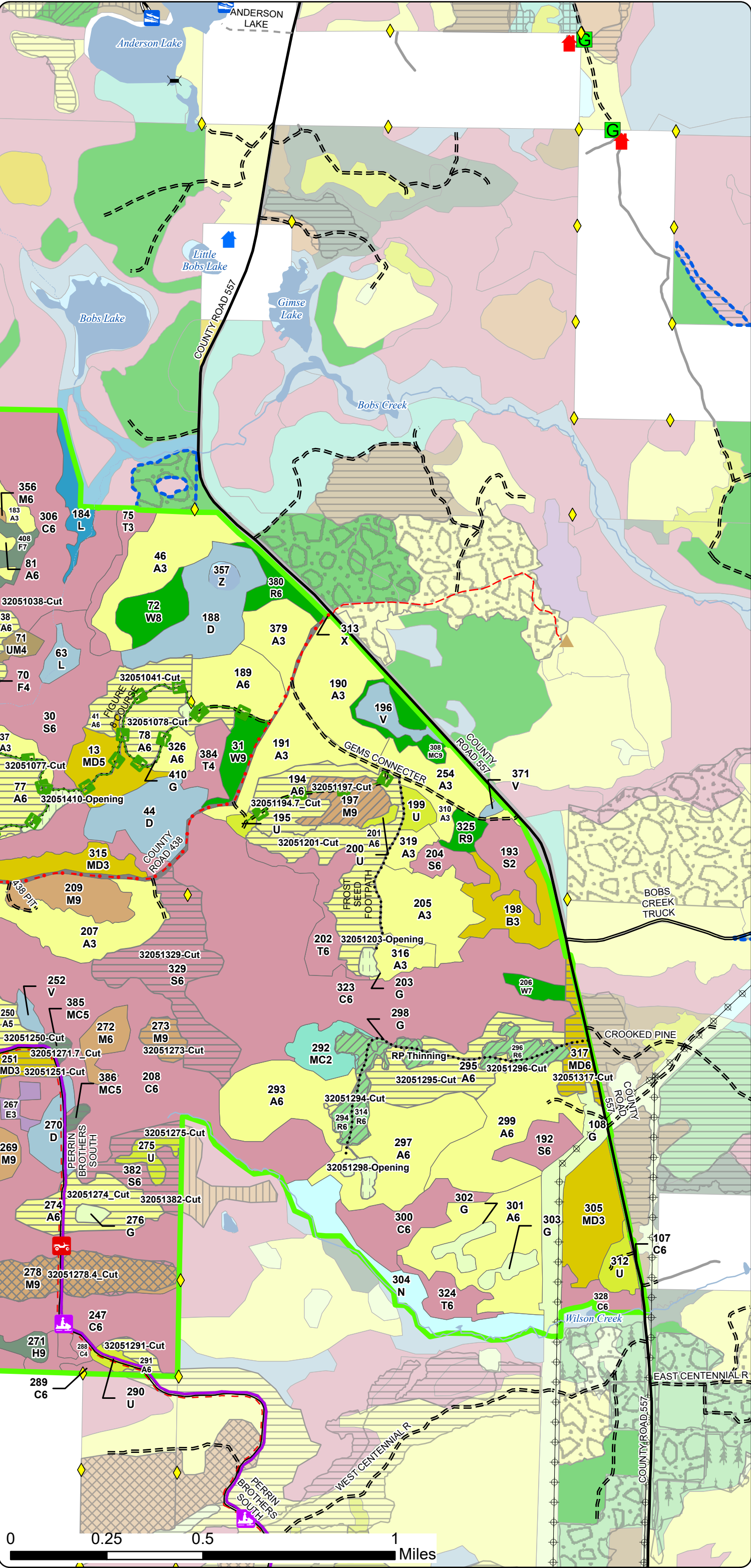


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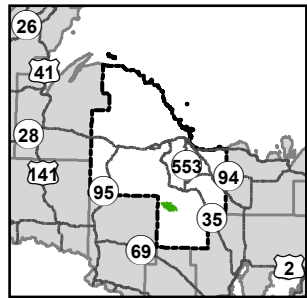
















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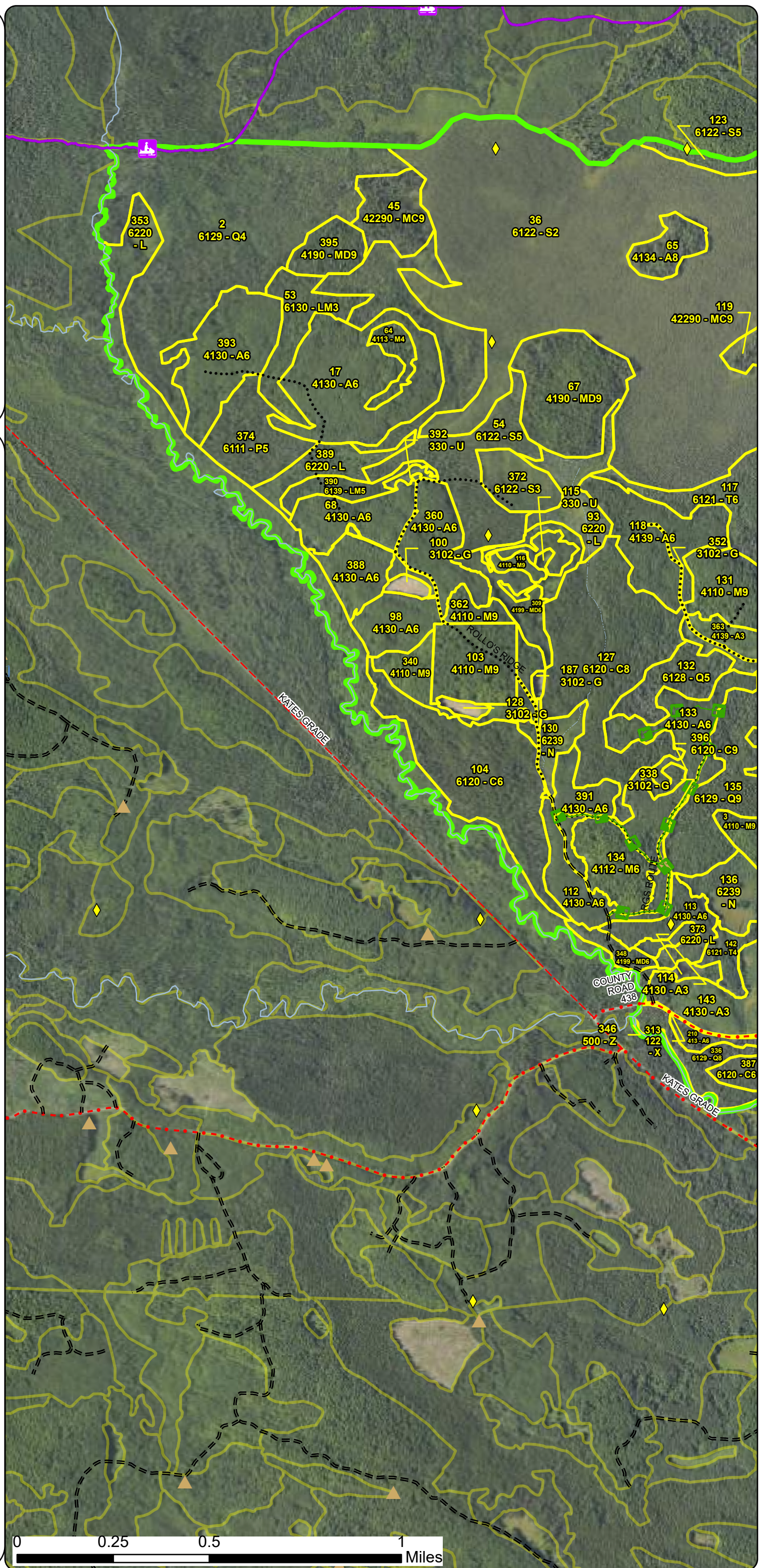




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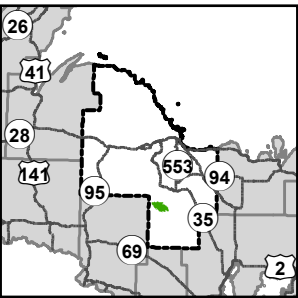
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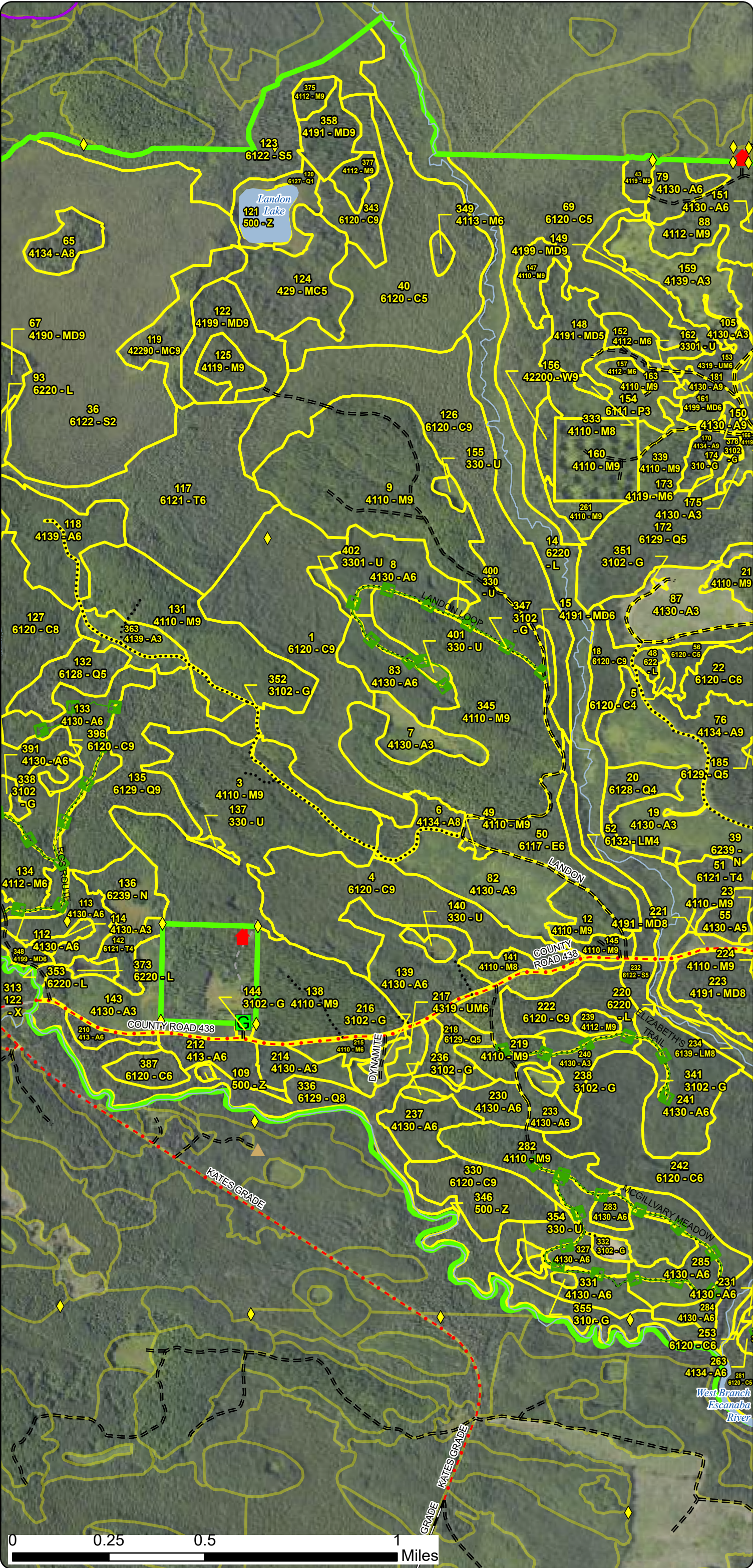


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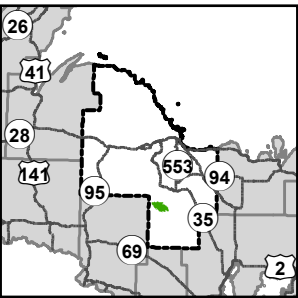
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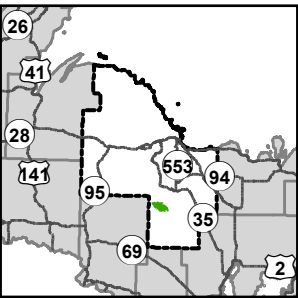
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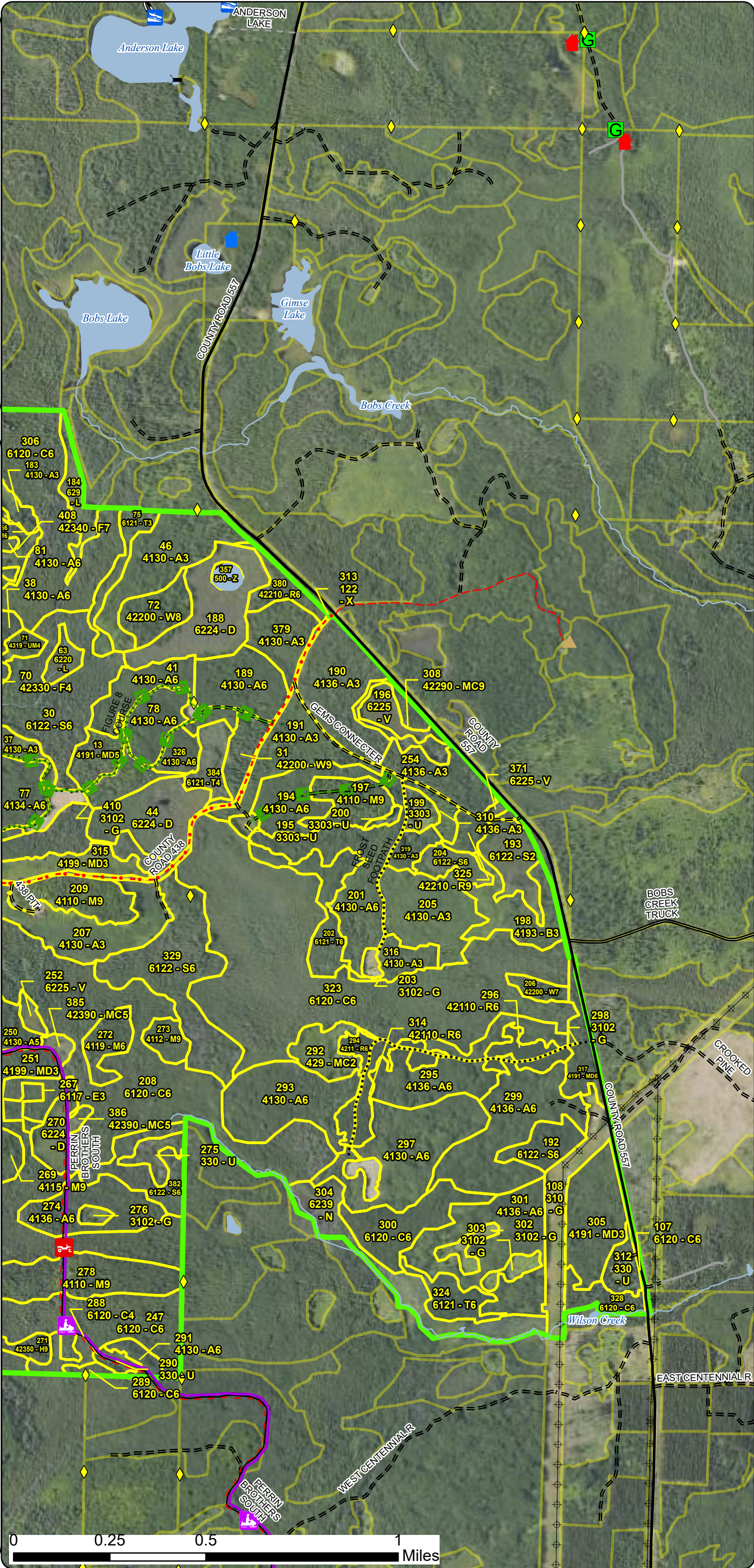


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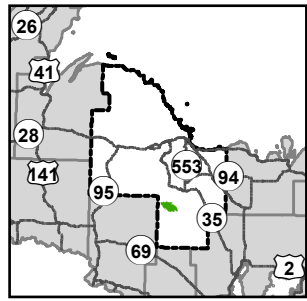



















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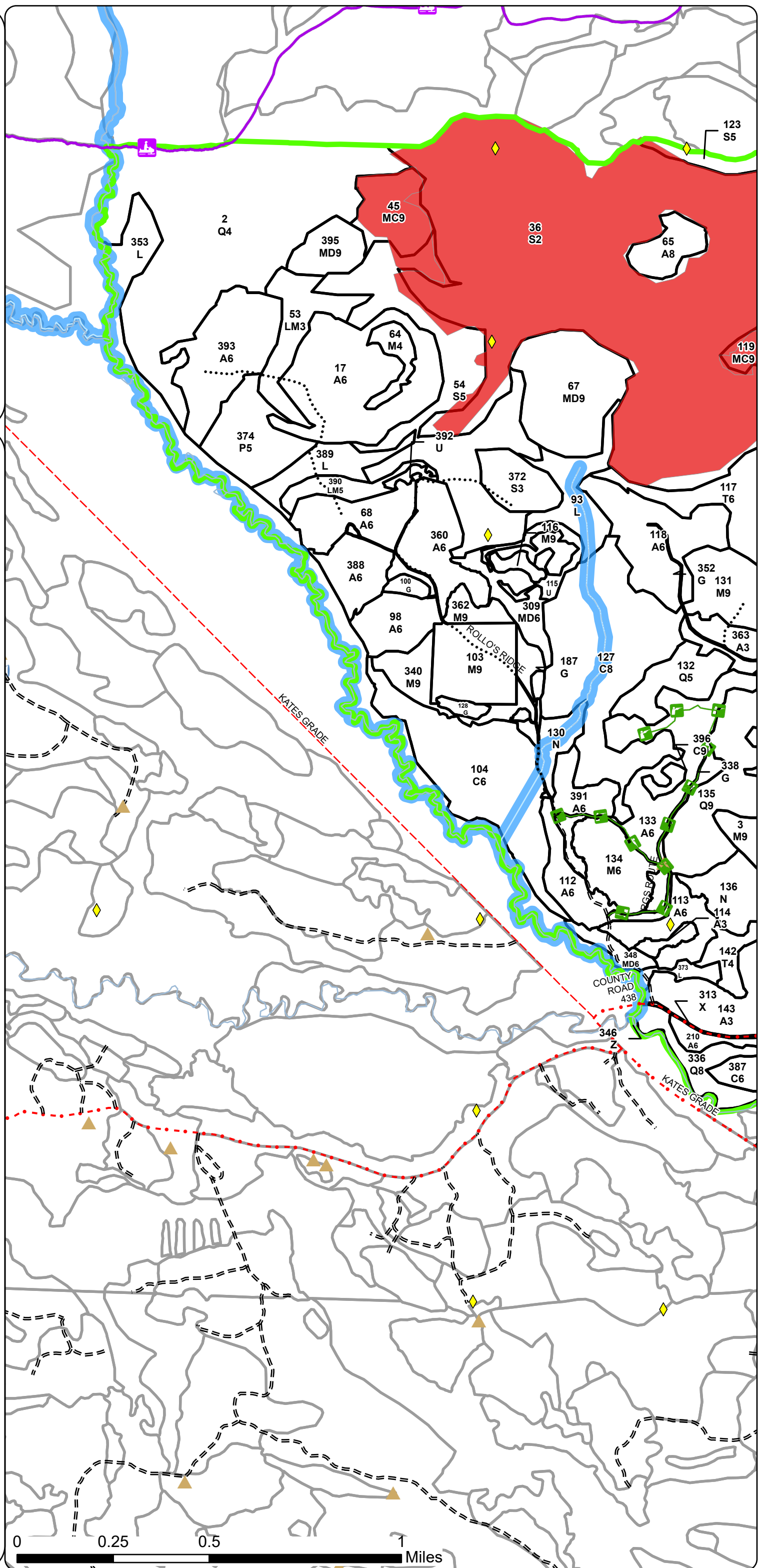




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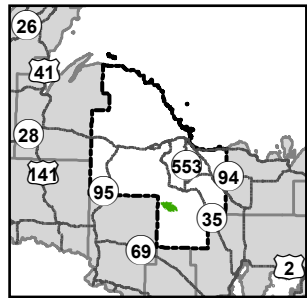


























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-  Compartment Boundary
-  Stand Boundaries
-  Ecological Reference Areas
-  Cold Water Streams
-  High Priority Trout Stream Buffer

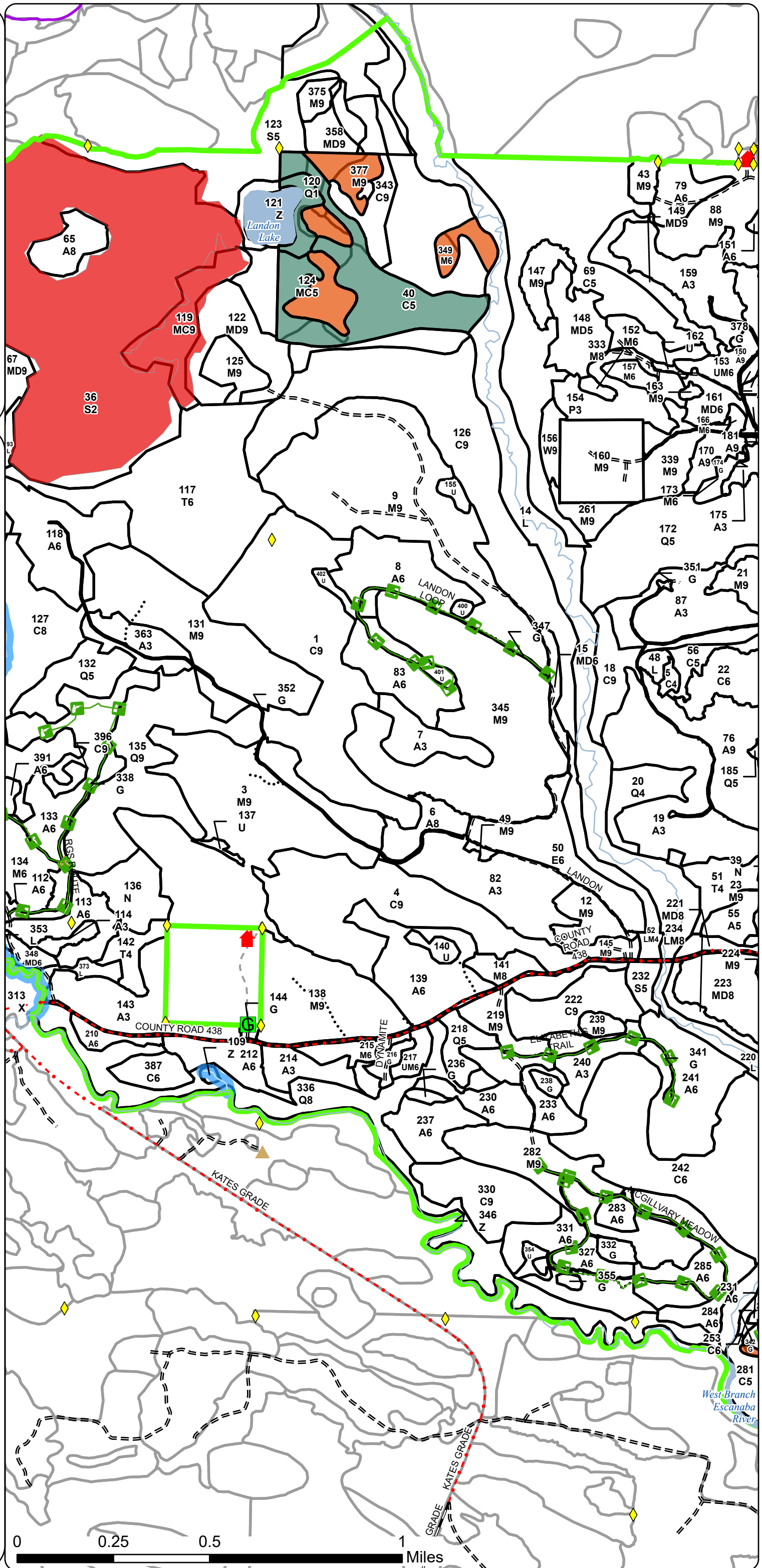




Compartment: 32051  
T44N R26W Sections 8-10, 13-18,  
20-28, 34-36  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Ralph Moraine  
YOE: 2027  
Acres: 8,750.77 GIS Calculated  
Examiner: Jacob Siler  
Date Exported: 08/20/2025  
Map Phase: Web Post



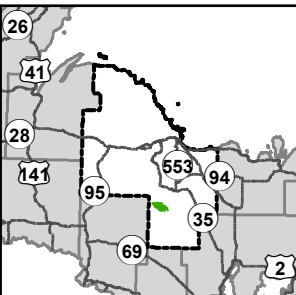
-  Survey Grade Corners
-  Cabin
-  Berms
-  Gate
-  Designated Hunter Walking Trails
-  Designated Snowmobile Trails
-  DNR - Primary Forest Road
-  DNR - Forest Access Route
-  County - Gravel Road
-  Private - Paved Road
-  Private - Dirt / Gravel Road
-  DNR - Management Access
-  Intermittent Stream
-  Perennial River
-  Lakes and Rivers
-  Counties
-  Compartment Boundary
-  Stand Boundaries
-  Ecological Reference Areas
-  SCA
-  Cold Water Streams
-  High Priority Trout Stream Buffer
-  Vernal Pool
-  Other Habitat Area



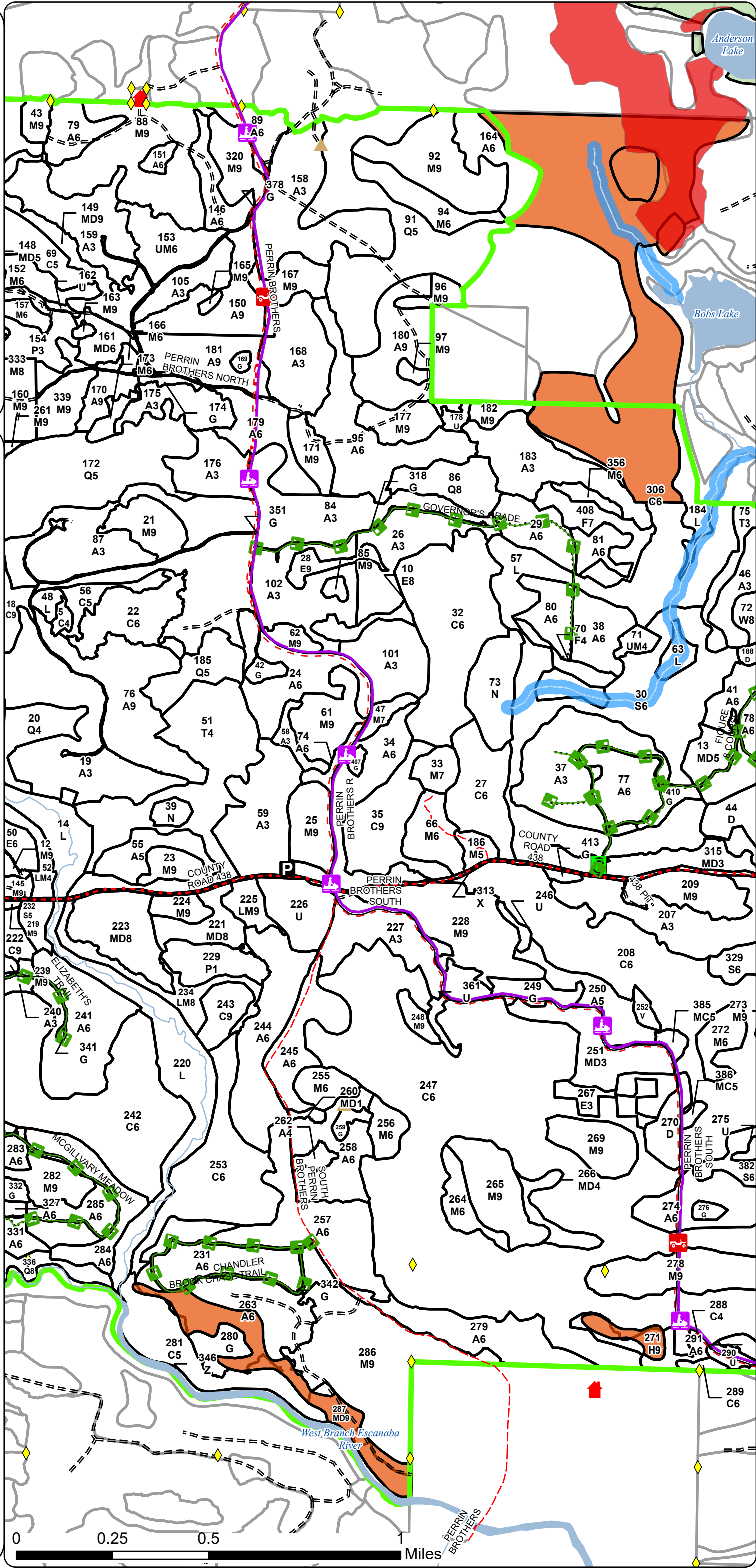


Special Conservation Areas  
& Site Conditions Map

Compartment: 32051  
T44N R26W Sections 8-10, 13-18,  
20-28, 34-36  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Ralph Moraine  
YOE: 2027  
Acres: 8,750.77 GIS Calculated  
Examiner: Jacob Siler  
Date Exported: 08/20/2025  
Map Phase: Web Post

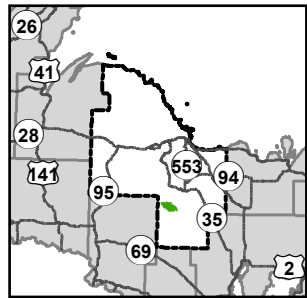


































- Survey Grade Corners
- Cabin
- Berms
- Gate
- Parking Lot
- Designated Hunter Walking Trails
- Designated ORV Routes
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- DNR - Management Access
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- Ecological Reference Areas
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Other Habitat Area
- Recreational/Scenic Value Area

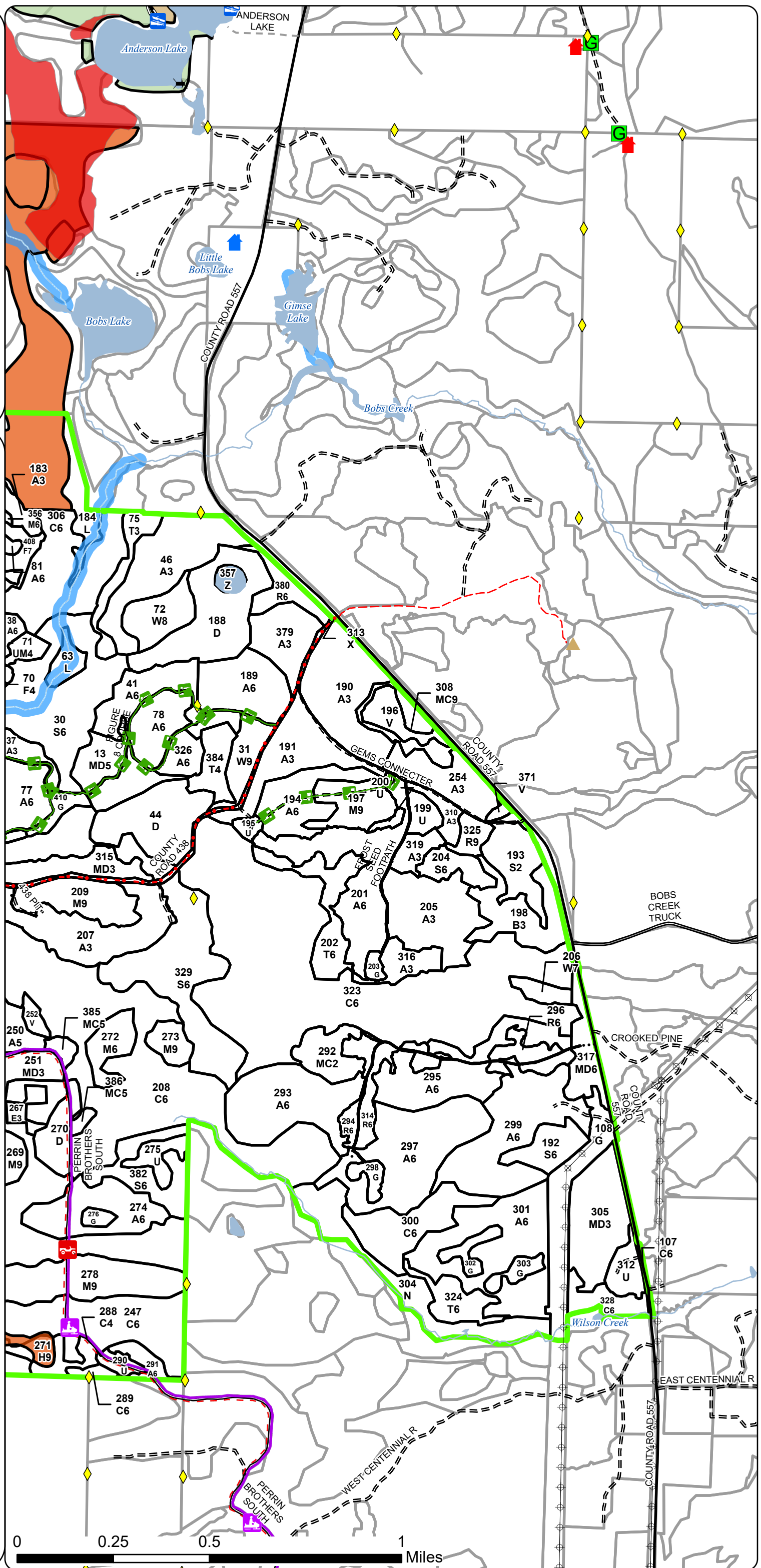




Compartment: 32051  
T44N R26W Sections 8-10, 13-18,  
20-28, 34-36  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Ralph Moraine  
YOE: 2027  
Acres: 8,750.77 GIS Calculated  
Examiner: Jacob Siler  
Date Exported: 08/20/2025  
Map Phase: Web Post



-  Survey Grade Corners
-  Cabin
-  House
-  Berms
-  Gate
-  Boating Access Site
-  Bridges
-  Designated Hunter Walking Trails
-  Designated ORV Routes
-  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
-  DNR - Management Access
-  Powerline
-  Intermittent Stream
-  Perennial River
-  Lakes and Rivers
-  Counties
-  Compartment Boundary
-  Stand Boundaries
-  Ecological Reference Areas
-  SCA
-  Cold Water Streams
-  High Priority Trout Stream Buffer
-  State Forest Campground
-  Other Habitat Area
-  Recreational/Scenic Value Area





# 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	435	364	257	627	466	81	176	0	5	0	92	0	0	0	0	0	3	2506
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Cedar	0	0	0	0	0	0	0	0	6	0	103	217	324	162	352	124	559	46	1893
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8
Herbaceous Openland	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Low-Density Trees	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Lowland Aspen/Balsam Poplar	0	0	14	24	0	0	0	0	0	0	0	0	0	0	0	0	0	28	66
Lowland Conifers	0	0	0	12	0	0	0	0	0	0	0	252	0	29	0	0	79	165	537
Lowland Deciduous	0	0	0	9	0	0	0	6	0	0	36	0	0	0	0	0	0	0	51
Lowland Mixed Forest	0	0	0	0	10	0	0	16	0	15	7	0	0	0	0	0	0	24	72
Lowland Shrub	314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	314
Lowland Spruce/Fir	0	0	0	0	16	28	0	0	98	6	15	492	8	0	0	0	0	89	751
Marsh	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Mixed Upland Deciduous	0	19	0	36	43	41	0	47	73	0	21	0	0	0	0	0	0	70	350
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	47	0	55
Northern Hardwood	0	0	0	8	0	25	0	9	37	0	0	244	125	97	26	0	7	716	1294
Paper Birch	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Red Pine	0	0	0	0	0	25	0	0	9	0	5	0	0	0	0	0	0	0	39
Tamarack	0	0	0	10	19	11	0	0	10	0	10	0	151	0	0	0	0	0	210
Treed Bog	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Upland Conifers	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4	41	57
Upland Mixed Forest	0	0	0	0	4	0	0	35	0	0	0	0	0	0	0	0	0	0	39
Upland Spruce/Fir	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	16	22
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Water	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
White Pine	0	0	0	0	0	0	0	0	0	0	23	0	0	5	0	0	0	6	33
<b>Total</b>	<b>750</b>	<b>454</b>	<b>410</b>	<b>356</b>	<b>725</b>	<b>596</b>	<b>81</b>	<b>283</b>	<b>239</b>	<b>26</b>	<b>193</b>	<b>1333</b>	<b>608</b>	<b>293</b>	<b>386</b>	<b>124</b>	<b>696</b>	<b>1204</b>	<b>8753</b>





## Report 2 – Treatment Summary

Gwinn Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 51  
Total Compartment Acres: 8,751

Commercial Harvest - 4833  
Harvests with Site Condition - 0  
Next Step Harvest - 12  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	917	0	0	0	0	0	0	0	0	917
Cedar	4	0	0	0	0	0	0	0	0	4
Herbaceous Openland	1	0	0	0	0	0	0	0	0	1
Low-Density Trees	16	0	0	0	0	0	0	0	0	16
Lowland Conifers	0	9	0	0	0	0	0	0	0	9
Lowland Deciduous	24	0	0	0	0	0	0	0	0	24
Lowland Spruce/Fir	46	0	0	0	0	0	0	0	0	46
Mixed Upland Deciduous	173	0	0	0	0	18	0	0	0	191
Northern Hardwood	20	833	0	3	11	89	0	0	0	957
Red Pine	0	0	0	0	0	26	0	0	0	26
Upland Mixed Forest	39	0	0	0	0	0	0	0	0	39
Total	1241	843	0	3	11	132	0	0	0	2230

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	2230	0	0	0	0	0	88	0	0	2375
Next Step	12	0	7	0	0	0	2080	44	329	2733
Total	2242	0	7	0	0	0	2167	44	329	5108





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Proposed Treatments:**

<b>39</b>	<b>32043039-Cut</b>	2.2	4112 - Maple, Beech, Cherry Association	6	105	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> birch, maple. pine, cherry, hemlock <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
<b>3</b>	<b>32051003-Cutx</b>	84.0	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
<b>8</b>	<b>32051008-Cut</b>	30.7	4130 - Aspen	6	37	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Leave retention as islands. Do not cut cedar, white pine, red pine, and hemlock. Create 5 to 6 <u>Specs:</u> drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, birch, maple BAM, cherry <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											





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
9	32051009-Cut	114.1	4110 - Sugar Maple Association	9	121	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, hemlock, basswood, cedar <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
23	32051023-Cut	7.9	4110 - Sugar Maple Association	9	110	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps. Leave all species represented. Favor large bas <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood, cherry, hemlock <u>Regen:</u> <u>Other</u> Check Conservation Area Reviewer Application. See pre-inventory notes on Gwinn S-Drive. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
24	32051024-Cut	27.9	4130 - Aspen	6	26	Immatur re	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine, unless designated for drumming log. Create 4 to 5 <u>Specs:</u> drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention i <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
25	32051025-Cut	14.8	4112 - Maple, Beech, Cherry Association	9	108	111- 140	Harvest	Selection	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> maple, cherry, pine, hemlock, birch, basswood, ash <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											





Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>29 32051029_Cut</b>	15.8	4130 - Aspen	6	43	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>38 32051038-Cut</b>	16.2	4130 - Aspen	6	34	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>41 32051041-Cut</b>	15.7	4130 - Aspen	6	32	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, cherry, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer com <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>42 32051042-Opening</b>	3.1	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Cultivated to clover plot <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025										



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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
<b>61 32051061-Cut</b>	17.8	4110 - Sugar Maple Association	9	108	81-110	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to a basal area of 60sqft. Mark to improve quality and provide light for regeneration. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood, cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										
<b>62 32051062-Cut</b>	4.5	4116 - Mixed N. Hardwood - Aspen	9	108	111-140	Harvest	Thinning	4116 - Mixed N. Hardwood - Aspen	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Leave all species represented. Favor yellow birch for retention and retain some large forked aspen. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, birch, pine, spruce, fir, ash, oak, BAM <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										
<b>67 32051067-Cut</b>	47.5	4190 - Mixed Upland Deciduous with Cedar	9	64	141-170	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Green tree 1, preferably log sized, sugar maple or birch for every acre of treatment. Exclude cedar areas where practical. Do not cut cedar, hemlock and pine. Winter cut only <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, aspen, BAM, spruce, fir, cedar, pine, hemlock, cherry <u>Regen:</u> <u>Other</u> ERA to the North and start of cold-water stream to the south. Lowland crossing will require care and more than likely mats. I did not observe any stream where lowland crossing area will be needed. I don't believe stream buffer will be needed, as stream or <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										





Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
78	32051078-Cut	17.3	4130 - Aspen	6	32	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine, cherry and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer com <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
79	32051079-Cut	12.1	4130 - Aspen	6	37	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut, cherry, cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, pine, spruce, fir, cherry <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
83	32051083-Cut	25.1	4130 - Aspen	6	36	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Leave retention as islands. Do not cut cedar, white pine, red pine, and hemlock. Create 4 to 5 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, birch, maple, cherry, BAM <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
88	32051088-Cut	50.5	4112 - Maple, Beech, Cherry Association	9	106	111-140	Harvest	Selection	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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89	32051089-Cut	9.5	4130 - Aspen	6	40	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all trees 2 inches and greater at DBH. Do not cut, cherry, cedar, hemlock, white pine and red pine. Create 1 to 2 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, birch, cherry, pine, maple, BAM

Regen:

Other no retention needed

Comment:

Site Condition:

Proposed Start Date: 10/01/2031

92	32051092-Cut	32.3	4112 - Maple, Beech, Cherry Association	9	106	111-140	Harvest	Thinning	4110 - Sugar Maple Association	Current	No
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Prescription Thin to a BA of 80sqft. Mark to improve quality. Remove red maple when possible. Do not cut basswood.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2031

96	32051096-Cut	5.4	4112 - Maple, Beech, Cherry Association	9	100	111-140	Harvest	Thinning	4112 - Maple, Beech, Cherry Association	Current	No
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Prescription Thin to basal area of 80sqft. Mark to improve quality. Do not cut basswood.

Specs:

Next Step

Treatments:

Acceptable maple, birch, cherry, spruce, fir, pine, cedar, and hemlock

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026





Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
97	32051097-Cut	2.2	4110 - Sugar Maple Association	9	106	111-140	Harvest	Thinning	4110 - Sugar Maple Association	Planting Record	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
115	32051115-Cut	7.2	330 - Low-Density Trees	99			Harvest	Clearcut	4130 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at dbh. Do not cut cherry, cedar, hemlock, red pine, and white pine. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Interplant <u>Treatments:</u> <u>Acceptable</u> aspen, BAM, pine, cherry, birch, spruce, and fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
116	32051116-Cut	3.5	4110 - Sugar Maple Association	9	120	111-140	Harvest	Thinning	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Follow complete marker. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> maple, basswood, cherry, and birch <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
122	32051122-Cut	24.1	4199 - Other Mixed Upland Deciduous	9	70	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut white pine, red pine, hemlock, basswood and cedar. Do not cut trees meeting legacy tree guidelines. Buffer ERA, as defined by ERA layer, by 1 chain. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, cherry, cedar, hemlock, pine, BAM, basswood, spruce, fir <u>Regen:</u> <u>Other</u> Probably best suited as a winter cut. Access road from stand 9 was lifted out of the swamp in the 50s/60s. I observed 1 culvert but not sure if a stream is present. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											





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

**125 32051125-Cut** 10.6 4119 - Mixed Northern Hardwoods 9 120 111-140 Harvest Shelterwood 4119 - Mixed Northern Hardwoods Current No

Prescription Mark to retain residual BA of 40 to 60sqft, cutting all remaining trees 2 inches and greater at DBH. Focus on leave sugar maple and basswood.  
Specs: Do not cut hemlock, white pine, red pine and cedar. Do not cut trees meeting legacy tree guidelines. Exclude area

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, pine, cedar, hemlock, basswood, aspen, BAM, spruce, fir, cherry  
Regen:

Other Access road from stand 9 was lifted out of the swamp in the 50s/60s. I observed 1 culvert but not sure if a stream is present.  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

**131 32051131-Cut** 67.6 4110 - Sugar Maple Association 9 106 111-140 Harvest Selection 4110 - Sugar Maple Association Current No

Prescription Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.  
Specs: 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, basswood, birch, cherry, hemlock  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

**138 32051138-Cut** 47.5 4110 - Sugar Maple Association 9 120 81-110 Harvest Selection 4110 - Sugar Maple Association Current No

Prescription Thin to a basal area of 60sqft. Mark to improve quality and provide light for regeneration. Favor large healthy basswood for retention when marking.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, basswood, birch, hemlock  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>150 32051150-Cut</b>	24.5	4130 - Aspen	9	49	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Create 4 to 5 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Leave underrepresented species such as cedar, white pine and hemlock. Favor oak, yellow birch, elm and cherry du <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, birch, cherry <u>Regen:</u> <u>Other</u> See Conservation Area Review Application and Pre-Inventory Docs on Gwinn S-Drive. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>146 32051151-Cut</b>	3.0	4130 - Aspen	6	37	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Create 1 to 2 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Specs:</u> Do not cut, cherry, cedar, hemlock, white pine and red pine. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, BAM cherry, pine <u>Regen:</u> <u>Other</u> No retention due to small acreage. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										
<b>152 32051152-Cut</b>	9.6	4112 - Maple, Beech, Cherry Association	6	75	81-110	Harvest	Selection	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, oak, cherry, basswood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										
<b>165 32051165-Cut</b>	1.2	4112 - Maple, Beech, Cherry Association	9	100	111-140	Harvest	Thinning	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to a basal area of 90sqft. Focus on improving quality and removing red maple. Do not cut yellow birch. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										





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
166	32051166-Cut	1.9	4119 - Mixed Northern Hardwoods	6	105	111- 140	Harvest	Thinning	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Favor large basswood for retention. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
169	32051169-Cut	1.4	310 - Herbaceous Openland	99			Harvest	Clearcut	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Mowing <u>Treatments:</u> <u>Acceptable</u> Grass. Site will be maintained as opening <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
171	32051171-Cut	9.2	4110 - Sugar Maple Association	9	108	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, pine, hemlock, oak, cherry <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
173	32051173-Cut	4.1	4119 - Mixed Northern Hardwoods	6	105	111- 140	Harvest	Clearcut	4119 - Mixed Northern Hardwoods	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine, red pine, and yellow birch. Green tree 3 paper birch, black <u>Specs:</u> cherry or maples. Green tree a few healthy wind firm white spruce, if present. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, pine, birch, spruce, cherry, cedar, hemlock <u>Regen:</u> <u>Other</u> No long-term retention. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



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
177	32051177-Cut	11.7	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Thinning	4110 - Sugar Maple Association	Planting Record	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Do not mark white ash. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> White ash to be retained for cavity trees. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
178	32051178-Cut	2.4	330 - Low-Density Trees	99			Harvest	Clearcut	330 - Low- Density Trees	Previous Inventory	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, pine, birch, cherry, herbaceous plants <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
181	32051181-Cut	24.1	4130 - Aspen	9	49	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut, cherry, cedar, hemlock, white pine and red pine. Green tree 4 maple and/or birch trees, <u>Specs:</u> log sized if possible. Green tree a few healthy wind firm white spruce, if available. Create 4 to 5 drumming lo <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, pine, BAM <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
182	32051182-Cut	4.5	4112 - Maple, Beech, Cherry Association	9	105	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, pine, hemlock <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>187 32051187-Opening</b>	9.4	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025										
<b>197 32051197-Cut</b>	14.0	4110 - Sugar Maple Association	9	120	81-110	Harvest	Thinning	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Leave all species represented. Do not cut yellow birch and favor large basswood for retention. Exclude low basal area areas with desirable regeneration present. A few areas with low basal area may b <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										
<b>201 32051201-Cut</b>	36.3	4130 - Aspen	6	42	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cherry, red pine, white pine and cedar. Use timber sale to create 3 slash piles. Slash piles should be 12' to 18' in diameter and 3' to 6' in height. Create 6 to 7 drumming logs, at least 8 feet long, <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, pine, BAM, tamarack <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>203 32051203-Opening</b>	2.6	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
228	32051228-Cut	38.2	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Sugar Maple Associates <u>Regen:</u> <u>Other</u> Look at adding stand 249 treatment, G Stand, to timber sale if possible. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
230	32051230-Cut	13.0	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, hemlock, maple, spruce and fir. Create 2 to 3 drumming logs, at least 8 feet <u>Specs:</u> long, from trees optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, pine, birch, cherry <u>Regen:</u> <u>Other</u> Look at accessing this stand from the east to avoid conflicts with buffers. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
237	32051237-Cut	15.5	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar and hemlock. Create 2 to 3 drumming logs, at least 8 feet long, from trees <u>Specs:</u> optimally 9-15 inches in size, if available. Harvest activities only during inactive wood turtle season (October 1 <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Place retention in stream buffer. Consider accessing from east side to avoid conflicts with buffers. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
248	32051248-Cut	4.3	4110 - Sugar Maple Association	9	104	141- 170	Harvest	Thinning	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Do not cut hemlock and white cedar. Retain a few healthy wind firm white spruce, if <u>Specs:</u> available. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



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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>249 32051249-Opening</b>	8.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
<u>Prescription</u> Maintain opening by mechanical means (e.g. brush cutting, mulching) or treated with adjacent stands' timber harvest. Intention is to maintain opening and allow planted apple tree and other mast-producing trees/shrubs opportunity to flourish. <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Brush Mgmt. <u>Treatments:</u> <u>Acceptable</u> Natural grass/forbs and planted mast-producing trees and shrubs. <u>Regen:</u> <u>Other</u> Look at adding stand 249 treatment, G Stand, to timber sale if possible. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2026										
<b>250 32051250-Cut</b>	16.8	4130 - Aspen	5	32	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer componen <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Look at adding stand 249 treatment, G Stand, to timber sale if possible. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>251 32051251-Cut</b>	24.0	4199 - Other Mixed Upland Deciduous	3	32	Immatu re	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine, unless designated for drumming log. Create 2 to 4 drumming logs, at least 8 feet long, from trees 9-15 inches in size, if available. Place retention in an ar <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										
<b>273 32051273-Cut</b>	6.4	4112 - Maple, Beech, Cherry Association	9	103	171-200	Harvest	Clearcut	4112 - Maple, Beech, Cherry Association	Cutting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut hemlock, cedar, white pine, red pine, and yellow birch. Green tree 10 log sized maple, preferably sugar maple. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, aspen, hemlock, spruce, fir, pine, cedar, and cherry. <u>Regen:</u> <u>Other</u> Winter cut due to access. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
274	32051274_Cut	23.3	4136 - Aspen, Mixed Conifer	6	30	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet <u>Specs:</u> long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer compone <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, balsam poplar, spruce, fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
275	32051275-Cut	6.4	330 - Low-Density Trees	99			Harvest	Clearcut	3301 - Low Density Deciduous Trees	Previous Inventory	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, pine, BAM, fir, herbaceous plants <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
279	32051279-Cut	28.2	4130 - Aspen	6	36	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 4 to 5 drumming logs, at least 8 feet long, <u>Specs:</u> from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component a <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Probably best to designate a tree(s) for drumming log creation, via marking, rather than specing it out. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
327	32051283-Cut	5.5	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, spruce, fir and hemlock. Create 1 to 2 drumming logs, at least 8 feet long, from <u>Specs:</u> trees optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, pine and fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
286	32051286-Cut	65.5	4110 - Sugar Maple Association	9	111	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> sugar maple associates <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
291	32051291-Cut	5.0	4130 - Aspen	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, yellow birch and pine, if found. Create 1 to 2 drumming logs, at least 8 feet long, from trees <u>Specs:</u> optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, birch, pine, cherry, spruce <u>Regen:</u> <u>Other</u> no retention due to size <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
295	32051295-Cut	31.0	4136 - Aspen, Mixed Conifer	6	41	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cherry, red pine, white pine and cedar. Use timber sale to create 3 slash piles between <u>Specs:</u> cedar stand to the north and trail to the south. Slash piles should be 12' to 18' in diameter and 3' to 6' in hei <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
298	32051298- Opening	3.9	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast- <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., <u>Treatments:</u> Grass/Forb Planting <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>309 32051309-Cut</b>	20.2	4199 - Other Mixed Upland Deciduous	6	42	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at dbh. Do not cut cherry, cedar, hemlock, red pine, and white pine. Create 3 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Use retention to exclude a portion of the ar <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, cherry, birch, BAM, maple, spruce, fir, and pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										
<b>317 32051317-Cut</b>	12.1	4191 - Mixed Upland Deciduous with Conifer	6	45	81-110	Harvest	Clearcut	4190 - Mixed Upland Deciduous with Cedar	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cherry, red pine, white pine and cedar. <u>Specs:</u> <u>Next Step</u> Harvest, Clearcut with Retention <u>Treatments:</u> <u>Acceptable</u> maple, spruce, fir, aspen, pine, cherry <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>318 32051318-Opening</b>	1.4	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025										
<b>327 32051327-Cut</b>	7.2	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, spruce, fir and hemlock. Create 1 to 2 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, pine and fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031										





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
329	32051329-Cut	46.0	6122 - Black Spruce	6	78	81-110	Harvest	Clearcut	611 - Lowland Deciduous Forest	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches or greater at DBH. Do not cut cedar, white pine, hemlock. Treatment size may vary significantly with the possible exclusion <u>Specs:</u> of cedar pockets, potential BMP buffers, and exclusion of areas with low marketability. Leave long-term rete <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, tamarack, cedar, pine, hemlock. <u>Regen:</u> <u>Other</u> winter cut <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
331	32051331.42_ Cut	19.6	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar and hemlock. Create 3 to 4 drumming logs, at least 8 feet long, from trees <u>Specs:</u> optimally 9-15 inches in size, if available. Red line out areas heavier to spruce/fir around south side of opening <u>Next Step</u> NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; <u>Treatments:</u> NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Sp <u>Acceptable</u> Aspen, birch, balsam poplar, fir, spruce. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
332	32051332- Opening	5.0	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast- <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
338	32051338- Opening	1.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast- <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
339	32051339-Cut	16.2	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood, cherry <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
340	32051340-Cut	11.4	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin stand to a basal area of 80sqft. Concentrate on improving quality. Expand or create canopy gaps in areas found to have existing advance <u>Specs:</u> regeneration, if present. Gaps are not to exceed 10 percent of area. Do not cut basswood. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood, hemlock <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
340	32051340-Cutx	11.1	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin stand to a basal area of 80sqft. Concentrate on improving quality. Expand or create canopy gaps in areas found to have existing advance <u>Specs:</u> regeneration, if present. Gaps are not to exceed 10 percent of area. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood, hemlock <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
341	32051341- Opening	1.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast- <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
345	32051345-Cut	110.8	4110 - Sugar Maple Association	9	121	81-110	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> maple, birch, cedar, hemlock, basswood, cherry <u>Regen:</u>											
<u>Other</u> This stand has been noted by past foresters as being best suited for a winter harvest. Consider winter cut. <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
351	32051351- Opening	1.7	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast- <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess											
<u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u>											
<u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
3	32051352-Cut	37.1	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> maple, birch, cherry, basswood <u>Regen:</u>											
<u>Other</u> This was marked but never cut. Use different color when marking this area, e.g., purple. <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
352	32051352- Opening	2.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast- <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess											
<u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u>											
<u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
361	32051361-Opening	2.8	330 - Low-Density Trees	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
<u>Prescription</u> Maintain opening by mechanical means (e.g. brush cutting, mulching) or treated with adjacent stands' timber harvest. Intention is to maintain opening and allow planted apple tree and other mast-producing trees/shrubs opportunity to flourish. <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Brush Mgmt. <u>Treatments:</u> <u>Acceptable</u> Natural grass/forbs and planted mast-producing trees and shrubs. <u>Regen:</u> <u>Other</u> Look at adding stand 361 treatment, G Stand, to timber sale if possible. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2026											
362	32051362-Cut	6.8	4110 - Sugar Maple Association	9	106	111-140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin stand to a basal area of 80sqft. Concentrate on improving quality. Expand or create canopy gaps in areas found to have existing advance regeneration, if present. Gaps are not to exceed 10 percent of area. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, hemlock, basswood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
378	32051378-Opening	0.9	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
274	32051382-Cut	16.8	4136 - Aspen, Mixed Conifer	6	30	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer compon <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, balsam poplar, spruce, fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											





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
401	32051401- Opening	3.7	330 - Low-Density Trees	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2028											
407	32051407- Opening	1.5	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2030											
410	32051410- Opening	8.3	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
413	32051413- Opening	1.5	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast-producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Other Influence Zones <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Approved Treatments:**

<b>6</b>	<b>32051006-Cut</b>	11.4	4134 - Aspen, Spruce/Fir	8	108	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. Due to small stand size and lowland <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Balsam poplar, birch, aspen. <u>Regen:</u> <u>Other</u> Portions of this stand are wet with multiple seeps and mucky soils. This ground will be more operable with a deep freeze of the muck layer. Harvest now to capture mortality of aspen, birch, SBW, and prevent conversion to northern hardwood. GEM Stand Cu <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
<b>21</b>	<b>32051021-Monitor</b>	14.8	4110 - Sugar Maple Association	9	108	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> Within 5 years, monitor for adequate stocking of advanced regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Sugar maple, red maple, yellow birch, basswood, long-lived conifers (hemlock, white pine) <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025											
<b>43</b>	<b>32051043-Monitor</b>	5.3	4119 - Mixed Northern Hardwoods	9	106	81-110	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Current	No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Northern hardwoods, hemlock, component of S/F <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2028											





Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	<b>47 32051047-Monitor</b>	4.3	4115 - Y.Birch, Hemlock NH	7	110	1-50	Monitoring	Monitoring - Regeneration	4190 - Mixed Upland Deciduous with Cedar	Planting Record	No
<u>Prescription</u> Starting 2 years from harvest, conduct annual or biennial regeneration surveys for 10 years. <u>Specs:</u>  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> Yellow birch, paper birch, white cedar, white pine, red oak, cherry, black ash. <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
	<b>50 32051050-Cut</b>	23.9	6117 - Lowland Deciduous, Mixed Coniferous	6	108	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u>  <u>Acceptable</u> Balsam poplar, birch, aspen. Lowland conifers for wildlife cover. <u>Regen:</u>  <u>Other</u> This stand is wet: a low swale runs through the middle, and there are seeps and mucky soils. Swale through middle of stand may be excluded if too wet. This ground will be more operable with a deep freeze of the muck layer. GEM Stand Cut in 2017 becau <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
	<b>66 32051066-Monitor</b>	4.8	4113 - R.Maple, Conifer	6	50	81-110	Monitoring	Monitoring - Regeneration	6120 - Lowland Cedar	Cutting Record	No
<u>Prescription</u> <u>Specs:</u>  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> Spruce, maple, aspen, birch, fir. <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2028											

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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
68	32051068-Cut	22.0	4130 - Aspen	6	37	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir and mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
76	32051076-Cut	85.9	4134 - Aspen, Spruce/Fir	9	108	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Mature to overmature aspen, initial stages SBW. Harvest soon. This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and co <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Aspen, conifer patches for wildlife cover <u>Regen:</u> <u>Other</u> Post-harvest work: Access road from northeast portion of stand across cedar, to central portion of stand should be graded and converted to hunter walking trail. GEM Stand Cut in 2017 because of current forest conditions this stand will be changed to a 20 <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
77	32051077-Cut	20.0	4134 - Aspen, Spruce/Fir	6	52	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
95	32051095.21_Cut	41.2	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> WLD - Agree with Treatment, GEM Harvest in 2021 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											





Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	<b>95 32051095.5_Cut</b>	31.1	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> WLD- Agree with Treatment, GEM Harvest in 2026 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
	<b>98 32051098-Cut</b>	18.4	4130 - Aspen	6	40	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
	<b>98 32051098-Cutx</b>	13.9	4130 - Aspen	6	40	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed conifer, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
	<b>98 32051098-Cutxx</b>	24.5	4130 - Aspen	6	40	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed conifer, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											



Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
98	32051098-Cutxxx	0.4	4130 - Aspen	6	40	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed conifer, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2017											
103	32051098-Monitor	28.7	4110 - Sugar Maple Association	9	120	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> MWR project. <u>Specs:</u> MSU crew will monitor site per study specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A diverse mix of northern hardwood species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
113	32051113-Cut	17.1	4130 - Aspen	6	43	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood, Mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
147	32051147-Cut	9.8	4110 - Sugar Maple Association	9	106	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand down to 70-90 BA leaving all cedar, hemlock, and pine. Favor leaving cherry and yellow birch for leave species if healthy while marking. Treatment added September 2022. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood and cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016											





Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	<b>148 32051148.46_Cut</b>	17.7	4191 - Mixed Upland Deciduous with Conifer	5	106	51-80	Harvest	Thinning	4199 - Other Mixed Upland Deciduous	Cutting Record	No
<u>Prescription</u> Remove all species except maple, yellow birch, and cedar. Some maple may need to be marked for operations. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, spruce, fir, birch. <u>Regen:</u> <u>Other</u> SBW Salvage. Stand is within the GEM and harvesting should be paired with adjacent sales within the GEM. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
	<b>153 32051153.34_Cut</b>	27.0	4319 - Mixed Upland Forest	6	67	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Harvest all aspen, balsam fir, paper birch, and spruce. Budworm present in adjacent stand. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Other - Specify; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir, pine, cherry. <u>Regen:</u> <u>Other</u> This stand is within the GEMS and its management plan. Retain some conifer patches (<4" DBH) for wildlife cover.WLD - Favor black cherry <u>Comment:</u> (5%) (black bear) and healthy spruce if available (wildlife cover) (State Game Fund) <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
	<b>159 32051159.3_Cut</b>	19.8	4139 - Aspen, Mixed Deciduous	3	8	Immature	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> WLD - Agree with Treatment, GEM Harvest in 2026 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
	<b>170 32051170-Cut</b>	9.1	4134 - Aspen, Spruce/Fir	9	65	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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194	32051194.7_C ut	19.8	4130 - Aspen	6	33	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep.

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

Acceptable Aspen, Mixed Hardwood and Conifer.  
Regen:

Other WLD - Agree with Treatment, GEM Harvest in 2026 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)  
Comment:

Site Condition:

Proposed Start Date: 10/01/2031

212	32051212-Cut	15.2	413 - Aspen	6	51	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention.

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

Acceptable Aspen, Mixed Hardwood, Mixed Conifer  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2021

217	32051217.15_ Cut	11.5	4319 - Mixed Upland Forest	6	63	111- 140	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
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Prescription Over-mature aspen over spruce fir poles. Harvest to continue aspen.

Specs: This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Winter sale only, drum

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

Acceptable Aspen, balsam poplar, birch, spruce, red maple, fir.  
Regen:

Other Stand has wet spots; mark red line for optimal operability.  
Comment:

Site Condition:

Proposed Start Date: 10/01/2018





Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
218	32051218.44_Cut	9.4	6129 - Mixed Coniferous Lowland Forest	5	126	141-170	Harvest	Selection	612 - Lowland Coniferous Forest	Cutting Record	No
<u>Prescription Specs:</u> Harvest all species (aspen, birch, balsam poplar, tamarack, spruce ) but retain cedar. Good pockets of tamarack. Select cedar may be taken for operability, but aim to maintain cedar patches.											
<u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Tamarack, birch, balsam poplar, spruce, cedar.											
<u>Other Comment:</u> Very variable stand. Transitional lowland and harvestable ground. Patches of very open canopy from over-mature paper birch and aspen mortality alternates with cedar and tamarack patches. North side birch already falling out of stand. Southeast is black											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
221	32051221.4_Cut	19.3	4191 - Mixed Upland Deciduous with Conifer	8	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription Specs:</u> Clearcut to regenerate stand: Over-mature aspen, paper birch, balsam fir falling out of stand. Retain hemlock and any cedar. Exclude any inoperable wet areas from the sale.											
This stand is part of the South Marquette County Grouse Enhanced Management Si											
<u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Aspen, birch, balsam poplar, hemlock, spruce, fir.											
<u>Other Comment:</u> Pretty wet on east side, drain from open wetland. Patches dominated by balsam fir poles.											
Monitored for SBW/Forest health: Spruce/fir component is only 10 sq. ft. Stand will be monitored and harvested as per GEM plan.											
WLD- Favor retaining some health											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
223	32051223.39_Cut	26.0	4191 - Mixed Upland Deciduous with Conifer	8	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription Specs:</u> Clearcut to regenerate stand: Over-mature aspen, paper birch, balsam fir falling out of stand. Retain hemlock and any cedar. Exclude any inoperable wet areas from the sale.											
This stand is part of the South Marquette County Grouse Enhanced Management Si											
<u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Aspen, birch, balsam poplar, hemlock, spruce, fir.											
<u>Other Comment:</u> Pretty wet on east side, drain from open wetland. Patches dominated by balsam fir poles.											
Monitored for SBW/Forest health: Spruce/fir component is only 10 sq. ft. Stand will be monitored and harvested as per GEM plan.											
WLD- Favor retaining some health											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2021											



Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	<b>239 32051239.38_Cut</b>	3.4	4112 - Maple, Beech, Cherry Association	9	187	111-140	Harvest	Seed Tree	411 - Northern Hardwood	Planting Record	No
<u>Prescription Specs:</u> Leave large, wind-firm sugar maple as seed trees. Patches of good advanced regeneration exist, release these. In practice will be seed tree/shelterwood with advanced regeneration present. Leave yellow birch where it can function as seed trees. Leave h											
<u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Yellow birch, hemlock, basswood, red maple, sugar maple, paper birch.											
<u>Other Comment:</u> Low quality overstory. Cut stems that won't be adequate seed trees to allow for release of advanced regeneration and good seed crops that these 24" dbh and larger sugar maple have been producing in the stand.											
In addition: Agree with Treatment, (northe											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
	<b>244 32051244.19_Cut</b>	35.4	4134 - Aspen, Spruce/Fir	6	64	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription Specs:</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention.											
<u>Next Step Treatments:</u> NonForestMgt, Fruit Tree/Shrub Planting; Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Aspen, birch, spruce, fir.											
<u>Other Comment:</u> South Perrin Bros snowmobile trail goes through stand; per trail specialist no weekend harvest activities along trail.WLD- Agree with Treatment, GEM Harvest in 2021 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2021											
	<b>245 32051245.11_Cut</b>	20.4	4134 - Aspen, Spruce/Fir	6	64	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription Specs:</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention.											
<u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Aspen, birch, spruce, fir.											
<u>Other Comment:</u> South Perrin Bros snowmobile trail goes through stand; per trail specialist no weekend harvest activities along trail.											
WLD - Agree with Treatment, GEM Harvest in 2021 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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255	32051255.11_ Cut	8.0	4110 - Sugar Maple Association	6	64	111- 140	Harvest	Thinning	411 - Northern Hardwood	Current	No
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Prescription Thin for timber stand improvement: Thin hardwood poles to increase quality. Cut aspen to regenerate and capture mortality. Retain some large over-mature aspen for wildlife.

Next Step  
Treatments:

Acceptable  
Regen:

Other In addition: Agree with Treatment, (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)  
Comment:

Site Condition:

Proposed Start Date: 10/01/2018

256	32051256_Cut	4.5	4112 - Maple, Beech, Cherry Association	6	187	111- 140	Harvest	Thinning	411 - Northern Hardwood	Current	No
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Prescription Thin for timber stand improvement: Thin hardwood poles to increase quality. Cut aspen to regenerate and capture mortality. Retain some large over-mature aspen for wildlife.

Next Step  
Treatments:

Acceptable  
Regen:

Other In addition: Agree with Treatment, (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)  
Comment:

Site Condition:

Proposed Start Date: 10/01/2018

257	32051257.15_ Cut	65.7	4130 - Aspen	6	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention.

Next Step Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Aspen, birch, spruce, fir.  
Regen:

Other West side of harvest may be pushed into the adjacent stand; follow the upland as the aspen harvest boundary.  
Comment: Snowmobile trail goes through stand, trails wants no weekend harvest activities along trail.

In addition: Retain northern white cedar (2%),

Site Condition:

Proposed Start Date: 10/01/2018





Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>258 32051258.6_Cut</b>	24.9	4130 - Aspen	6	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, spruce, fir. <u>Regen:</u> <u>Other</u> Snowmobile trail goes through stand, trails wants no weekend harvest activities along trail.WLD - Agree with Treatment, GEM Harvest in 2022 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 01/24/2022										
<b>263 32051263.30_Cut</b>	42.0	4134 - Aspen, Spruce/Fir	6	54	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, balsam poplar, spruce, fir. <u>Regen:</u> <u>Other</u> Hunter walking trail maintenance in next step treatments. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021										
<b>264 32051264-Cut</b>	9.9	4119 - Mixed Northern Hardwoods	6	42	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Clearcut aspen, hardwood, and merchantable softwood stems to promote and expand the aspen clone, and to promote hardwood diversity. Cut aspen and all other merchantable stems (but retain hemlock, cedar) in approximately 1.5-2 chain perimeter buffer around <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, black cherry, red maple, sugar maple, yellow birch, spruce, tamarack, balsam poplar. <u>Regen:</u> <u>Other</u> Retain approximately 1 wildlife tree per acre, preferably on edges of the cut. <u>Comment:</u> Access to stand the stand: -Access from the west is strongly preferred to avoid the snowmobile trail to the east. -Access from the east will need freezing in and timbe <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018										



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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<b>265 32051265-Cut</b>	23.4	4110 - Sugar Maple Association	9	108	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Selectively harvest hardwoods for quality improvement. Favor basswood and retain yellow birch. Include aspen clone southwest of stand in the harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Sugar maple, basswood, yellow birch.

Regen:

Other Access stand from the west to avoid hauling on snowmobile trail.

Comment: -Access from the west is further to haul, but may be easier than crossing the low spots on the east side.  
-Access from the east will need freezing in and timber mats for 1-2 50' segment

Site Condition:

Proposed Start Date: 10/01/2018

<b>208 32051271.7_Cut</b>	4.3	6120 - Lowland Cedar	6	133	141-170	Harvest	Clearcut	429 - Mixed Upland Conifers	Cutting Record	No
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Prescription This stand is mostly upland and transitional to lowland, use topography for redline and stay out of wet ground. Retain cedar. Tamarack in south along trail is harvestable. Can harvest tamarack, red maple, fir, spruce.

If feasible, push harvest

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Cedar, tamarack, spruce, hemlock, balsam poplar, red maple, birch.

Regen:

Other In addition: Agree with Treatment, (white-tailed deer) (State Game Fund)

Comment: Harvest in the non-winter months if feasible; on snowmobile trail. No weekend hauling on snowmobile trail.

Site Condition:

Proposed Start Date: 10/01/2018

<b>278 32051278.4_Cut</b>	31.5	4110 - Sugar Maple Association	9	187	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Mark to residual ba of 70 following Compleat Marker guidelines. Retain most of the yellow birch and make 80' gaps around the yellow birch to try and promote regeneration. Retain hemlock.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable red maple, sugar maple, yellow birch.

Regen:

Other If feasible, harvest in non-winter months to access by the snowmobile trail. Winter months: no weekend hauling on the snowmobile trail.

Comment: In addition: Retain all Northern White Cedar (1%) Hemlock (1%) and White Spruce (1%) (white - tailed deer) (State

Site Condition:

Proposed Start Date: 10/01/2018



Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	<b>282 32051282.10_Cut</b>	43.8	4110 - Sugar Maple Association	9	187	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Single tree selection to target residual basal area of 80 sq ft/ac. Mark to increase quality. Release advanced regeneration where feasible with small gaps. Retain hemlock and cedar, and favor minor species. Minor species can be marked with sugar maple <u>Specs:</u> <u>Next Step</u> Other, Other - Specify; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Sugar maple, basswood, red maple, hemlock, yellow birch, paper birch, white spruce, cedar. <u>Regen:</u> <u>Other</u> Decent quality northern hardwood stand. Harvested 7 years ago, but has high BA: 90, 140, 150, 100. Paper birch falling out of stand. Have to mark some minor species for maneuverability and to reach target residual BA. <u>Comment:</u> In addition: Agree with Treatm <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018											
	<b>294 32051294-Cut</b>	12.6	4211 - Planted Red Pine	6	43	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Not applicable. <u>Regen:</u> <u>Other</u> Out of entry year treatment. This proposal will go through compartment review as associated with stands 12 and 14, Cmpt 45. Stand has not been entered yet. Stand within GEMS, gate. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018											
	<b>296 32051296-Cut</b>	9.8	42110 - Planted Red Pine	6	43	201+	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Not applicable. <u>Regen:</u> <u>Other</u> Out of entry year treatment - will go through compartment review associated with stands 12 and 14, Cmpt 45. Stand has not been entered yet. <u>Comment:</u> Stand within GEMS, gate. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018											
	<b>160 32051339-Monitor</b>	29.8	4110 - Sugar Maple Association	9	120	111-140	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> MWR project. <u>Specs:</u> MSU crew will monitor site per study specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A diverse mix of northern hardwood species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2019											





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

294 RP Thinning 3.3 4211 - Planted Red Pine 6 43 111-140 Harvest Thinning 4211 - Planted Red Pine Planting Record No

Prescription Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and  
Specs: leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine.

Next Step  
Treatments:

Acceptable Not applicable.  
Regen:

Other Out of entry year treatment. This proposal will go through compartment review as associated with stands 12 and 14, Cmpt 45. Stand has not  
Comment: been entered yet. Stand within GEMS, gate.

Site Condition:

Proposed Start Date: 04/24/2019

Total Treatment  
Acreage Proposed: 2443.9



Availability for Management

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

					4A	5C	2G	2H	3A	3G	3J	3L	5D	5E
2088	2009	0	78	Aspen				13		5	28			32
12	12	0	0	Bog										
1814	1333	0	481	Cedar			440				41			
8	8	0	0	Hemlock										
123	122	0	2	Herbaceous Openland						2				
70	67	0	3	Low-Density Trees							3			
66	38	0	28	Lowland Aspen/Balsam Poplar			28							
534	10	0	524	Lowland Conifers			415				90	20		
26	15	0	11	Lowland Deciduous			6				5			
72	34	7	31	Lowland Mixed Forest	7						23			8
314	314	0	0	Lowland Shrub										
725	90	46	590	Lowland Spruce/Fir		46	79		379		109		23	
85	85	0	0	Marsh										
306	240	27	40	Mixed Upland Deciduous		27		15	3		13			9
54	0	0	54	Natural Mixed Pines					45		9			
1294	1219	43	33	Northern Hardwood		43		32						1
20	20	0	0	Paper Birch										
39	39	0	0	Red Pine										
209	49	0	161	Tamarack			69					92		
71	71	0	0	Treed Bog										
57	16	0	41	Upland Conifers							41			
6	4	0	2	Upland Mixed Forest										2
22	22	0	0	Upland Spruce/Fir										
20	20	0	0	Urban										
46	46	0	0	Water										
34	34	0	0	White Pine										
8,114	5,915	122	2,076	Total Forested Acres	7	115	1,036	60	427	6	360	111	23	53
	73%	2%	26%	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.

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Jacob Siler: Examiner

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Site No.	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Look at thinning this stand to 60sqft next YOY with stand 92.							
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	78	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stream and river buffer/riparian corridor							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Would have to go through MWR stand to access this. This can hold tell access is permitted through MWR							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stream							



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6	Unavailable	5D: Unproductive forest land	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Very wet & mostly small timber.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Wet Swale							
8	Unavailable	3A: Conservation values incompatible with harvest at this time	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA Dry-mesic northern forest. Landon Lake Pines.							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	74	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Area of softer ground. Long term retention from original stand created 2019.							
11	Unavailable	3A: Conservation values incompatible with harvest at this time	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA Dry-mesic northern forest. Landon Lake Pines.							

## Report 4 – Site Conditions



12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention from original stand created in 2019.							
14	Unavailable	3A: Conservation values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA.							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 87 cut in 2021.							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	161	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is surrounded by ERA.							
18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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19	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention and bmp exclusion of surrounding parent aspen stand cut in c.2023							
20	Unavailable	3A: Conservation values incompatible with harvest at this time	384	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA Landon Lake Poor Conifer swamp							
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Patches of Gem Timber sale PU1 retention (Stand 217)							
22	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This area looks to possibly, inventory done in winter, have some sensitive vernal and low areas excluded from harvest.							
24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for Flushing Frog GEMS timber sale (32-009-22)							
25	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



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26	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2022: Long term retention 3-10 percent for stand 76							
28	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for stand 153.							
32	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2022: Long term retention for stand 77.							

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33	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2022: Long term retention for harvest of stand 258.							
34	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2022: Vernal pool retention							
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for stand 82 cut in 2020.							
37	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-term retention for Stand 37 cut in 2020.							
39	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Pointers Paradise timber sale retention							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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46	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for adjacent cut in stand 183 harvested in 2020							
47	Unavailable	5D: Unproductive forest land	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
48	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for stand 221 Patches of GEMS							
49	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stream							
50	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stream							
51	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for stand 19 cut in 2020.							
52	Unavailable	5E: Long-Term Retention	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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53	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for stand 87 cut in 2021							
54	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Leave for now as its large birch component provides diversity within the compartment.							
55	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
56	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for Perrin Brothers North GEMS SBW • 32-014-16							
57	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
58	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for stand 82 cut in 2020, directly northwest.							
59	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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60	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention and buffer for Happy Spaniel GEMS timber sale.							
61	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
62	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
63	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
64	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
65	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
66	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	50	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand contains a stream that flows into Landon Lake. The North side also acts as a buffer to the poor conifer swamp ERA to the south.							



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67	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

This stand is difficult to access, given Landon Lake, stream, river and lowland stands. I don't see this being financially feasible to treat.

68	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

69	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

This is a buffer to a SCA and can serve as retention too.

70	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

This could be treated when the aspen stands to the south are harvested.

71	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

72	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

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73	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
74	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
75	Unavailable	5E: Long-Term Retention	7	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: This stand serves as a BMP buffer and retention. Retention for stand 114 harvested by Roy Nelson III under contract # 007-10-01.							
76	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
77	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
78	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	79	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Compartment: 51  
Year of Entry: 2027



79	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
80	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
81	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
82	Unavailable	3A: Conservation values incompatible with harvest at this time	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA.							
83	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
84	Unavailable	3A: Conservation values incompatible with harvest at this time	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA.							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jacob Siler: Examiner

Compartment: 51  
Year of Entry: 2027



85	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
86	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
87	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
88	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
89	Unavailable	3L: Other wildlife concerns	92	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Lots of cedar mixed in. Can't cut without damaging or cutting a significant amount of cedar.							
90	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	59	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Stream runs through stand.							

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jacob Siler: Examiner

Compartment: 51  
Year of Entry: 2027



91	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
92	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	53	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
93	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
94	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This could possibly get cut. The ground does seem quite wet but could be possible with a deep freeze. This should be held tell surrounding, recently cut, timber has grown a bit, 10 years. Also, Swamp on south side of road will be cut this YOE.							
95	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300' buffer							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jacob Siler: Examiner

Compartment: 51  
Year of Entry: 2027



96	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
97	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	94	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
98	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
99	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
100	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
101	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jacob Siler: Examiner

Compartment: 51  
Year of Entry: 2027



102	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	107	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
103	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	175	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
104	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
105	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
106	Unavailable	3K: Rare or unique landforms	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This site condition covers all areas not associated with SCA but are part of the same stand and cover type and should be protected.							
107	Unavailable	3A: Conservation values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This site condition covers all areas not associated with the SCA but are part of the same stand and have the same cover type. Should be protected.							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jacob Siler: Examiner

Compartment: 51  
Year of Entry: 2027



108	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	65	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is wet and has lots of cedar mixed in or under other species. Would have to remove lots of cedar to harvest other species.							
109	Unavailable	3L: Other wildlife concerns	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Low ground with a good mix of cedar. Would be hard to operate without cutting a decent amount of cedar.							
110	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	3G: Other influence zones - See comments	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stream and river buffer/riparian corridor and see Conservation Area Reviewer Application							
111	Unavailable	3G: Other influence zones - See comments	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> See Conservation Area Review Application and Pre-Inventory Docs on Gwinn S-Drive.							
112	Unavailable	3G: Other influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> See Conservation Area Review Application							
113	Unavailable	3G: Other influence zones - See comments	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> See Conservation Area Review Application and Pre-Inventory Docs on Gwinn S-Drive.							

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jacob Siler: Examiner

Compartment: 51  
Year of Entry: 2027



114	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
115	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
116	Available	4A: No markets available for these forest products	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Overmature aspen busting up on a wet site. Decent amount of cedar and other lowland species within stand. The time to cut this was with the adjacent stands that are now cut. Not much to gain from entering this stand. Best to leave as is.							
117	Unavailable	3L: Other wildlife concerns	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small spruce fir area to be excluded from treatment							

Mgt. Unit

Compartment: #Type!  
Year of Entry:

Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	6120 - Lowland Cedar	Sawtimber Well	106.2	115	111-140	N/A	OPIC - FMD: Nice cedar stand.																																																				
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2	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	160.7	100	1-50	N/A																																																					
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3	4110 - Sugar Maple Association	Sawtimber Well	121.2	120	111-140	N/A	Trace amount of white spruce and cedar in canopy. (2025)5/25/16: Could use an improvement thinning. Avoid sugar maple advanced regeneration patches during harvest.OPIC - FMD: Cut under permit # 25-96-01. Like stand 2, the understory contains a significant amount of raspberry and elderberry. Heavy moose browse on the elderberry. There are occasional pockets of 6-10' tall sugar maple regeneration in "old gaps" .5/25/16 Field Notes: Moderate quality sugar maple sawlogs over poles. Good sapling regeneration, especially south of road. Some XL Log sugar maples >22" dbh. Occasional dense ironwood patches. Low spot/seep south of road.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
6	4134 - Aspen, Spruce/Fir	Sawtimber Medium	11.7	108	51-80	N/A	OPIC - FMD: A wet stand of white birch, tamarack, aspen and fir over tag alder, willow, and soft maple whips.5/25/16 Field Notes: Overmature aspen and paper birch falling out of stand. SBW initial stages. Portions of low ground/seeps. Good sugar maple sapling/sdlg regeneration.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	10	Sapling	6		Balsam Fir	Medium		10 - 20 feet	10 - 20 feet
Quaking Aspen	50		12	108	Sugar Maple	Medium		Variable	Variable
Balsam Fir	15		10		Tag Alder	Low		5 - 10 feet	5 - 10 feet
Paper Birch	15		10		Black Cherry	Low		5 - 10 feet	5 - 10 feet
Northern White Cedar	5	Sapling	6						
White Spruce	5		11						
7	4130 - Aspen	Sapling Well	15.9	5	Immature	N/A		Most sugar maple saplings limited to edge of stand. (2025)Stand was harvested in 2020.OPIC - FMD: This is a narrow 2-3 chain wide stand of aspen, spruce/fir and mixed hardwoods. Regeneration is mostly hard maple, with a significant portion of it quite advanced with 1-2" diameters and 10'-20' in height. The aspen is very large but most of it is down due to windthrow.5/26/16 Field notes: Abundant sugar maple regeneration under poor quality, wolfy maple trees. Overmature aspen, birch, and white spruce. Low, wetter patches (seeps).	
Canopy Species	% Cover	Size Class	DBH	Age					
Quaking Aspen	89	Log	2	5					
Sugar Maple	1	Log	1						
Balsam Poplar	10	Log	2						
8	4130 - Aspen	Poletimber Well	30.7	37	81-110	N/A	2015 - W32698 - installed gate, limed, mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. OPIC - FMD: Cut under permit # 23-88-1. Aspen is 1-3" dbh, 15-20' tall. 2015-Contains narrow drainage.5/26/16 Field notes: Aspen coming into pole class. Moderate-good stocking. Roads coming into this stand from northern hardwood stand to southeast are soft and wet. Have some gravel, need more. Roads in rough shape due to seeps, shallow bedrock. Winter ground.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	2	Seedling	7		Ironwood	Low		Variable	Variable
Balsam Fir	1	Seedling	8		Balsam Fir	Low		Variable	Variable
Quaking Aspen	87	Seedling	9	37	Sugar Maple	Medium		Variable	Variable
Balsam Poplar	10	Seedling	8						
9	4110 - Sugar Maple Association	Sawtimber Well	114.2	121	111-140	N/A	Trace amount of white ash logs and some older XL log maple.	OPIC - FMD: Notes from north portion of stand: cut under permit #9-98-01 in 2001 ORO logging. Excellent elderberry regeneration on the eastern slopes. OPIC - FMD: Cut under permit # 017-97-01 "South Landon Lake" in Jan, Feb, 2002 also part in permit #9-98-01 see comp # 51. Also east of road cut in 1989 ("Landon Lake Balm" #018-88-2), a lot of aspen and balsam poplar removed. One area of about 2 acres unthinned will have to wait until feasible, probably when total stand thinned again. Some blowdown and also larger gaps created due to large amount of balsam poplar removed. Excellent regeneration 4-10' sugar maple in most areas of stand. Mostly good quality larger trees. Not much crowding of trees yet, lots of crown room. 2015: BA still a little low for treatment (100-110).5/27/16 Field Notes: Typical northern hardwood stand with small aspen component on southern edge of stand. Good sugar maple sapling regeneration throughout, ironwood in patches. Larger skid trails/old roads going northwest up the slope are low, wet, and lots of evidence of past erosion. Gravel on these trails, but not enough; ground is soggy with seeps. Winter ground.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Sugar Maple	67		12	121	Sugar Maple	Medium	< 5 feet		< 5 feet
Northern White Cedar	5		11		Sugar Maple	High	Variable		Variable
Red Maple	5		12		Balsam Fir	Low	Variable		Variable
Basswood	15		15		Sugar Maple	Medium	>20 feet		>20 feet
White Spruce	2		12		White Spruce	Low	Variable		Variable
Paper Birch	2		11		Yellow Birch	Trace	>20 feet		>20 feet
Quaking Aspen	2		12						
Yellow Birch	2		15						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
10	6115 - Lowland Ash	Sawtimber Medium	5.8	70	1-50	N/A	Wet swale with log to sap size black ash of varying stocking and size. Most of the larger ash is standing dead. (2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - installed gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail.2016-Above comments relate to stands 102, 263, 103, 84. This stand was a part of the retention for the original sale, and consists of a small swale with surrounding trees.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5		10		Balsam Fir		Medium	Variable	Variable
Black Ash		95		8	70	Tag Alder		High	5 - 10 feet	5 - 10 feet
12	4110 - Sugar Maple Association	Sawtimber Well	11.8	108	51-80	N/A	Thinned in 2020.  OPIC - FMD: Stand was select cut with stand 81 of Cmpt. 52 under permit # 011-98-01. Some elderberry in the understory.  5/26/2016 Field notes: Abundant, good sugar maple regeneration as seedlings and patches of saplings. Medium quality logs and poles. N-NE facing, 10-25% slope.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		93		12	108	Balsam Fir		Low	Variable	Variable
Paper Birch		2		12		Sugar Maple		Low	Variable	Variable
Basswood		5		15		Ironwood		Low	Variable	Variable
						Blackberry/Raspberry		Medium	< 5 feet	< 5 feet
						Sugar Maple		High	< 5 feet	< 5 feet
						Quaking Aspen		Trace	Variable	Variable
13	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	18.8	32	1-50	N/A	Very Patchy and poorly stocked. (2025)			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		5		11		White Pine		Trace	Variable	Variable
Quaking Aspen		25	Seedling	5	32	Balsam Fir		Low	Variable	Variable
Balsam Fir		25	Seedling	7	32	Paper Birch		Low	Variable	Variable
Jack Pine		5	Seedling	8						
Red Maple		10	Pole	3						
Paper Birch		5	Seedling	5						
Black Cherry		25	Pole	4	32					
14	6220 - Alder/Willow	None	120.3			No	OPIC - FMD: SCA-Tag Alder along Chandler Brook.			











Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
29	4130 - Aspen	Poletimber Well	15.8	43	51-80	N/A	Wet ground. Trace amount of paper birch, white spruce, and black spruce. (2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tall.5/26/2016 Field notes: Becoming a pole stand. Low ground and seeps, especially along access trail. Old trail has big ruts. Winter ground.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	10	Seedling	6		Red Maple	Trace		Variable	Variable
Quaking Aspen	75	Seedling	5	43	Balsam Fir	Medium		Variable	Variable
Balsam Poplar	15	Seedling	5		Ironwood	Trace		Variable	Variable
					Black Cherry	Trace		Variable	Variable
					Tag Alder	Low		5 - 10 feet	5 - 10 feet
30	6122 - Black Spruce	Poletimber Well	98.5	106	81-110	N/A	OPIC - FMD: SCA-This is a new SCA consisting of a low, wet, conifer swamp with small flowage. Retain as biodiversity maintenance zone to protect riparian values along the small stream.Trace amount of large sugar maple and white spruce on edges.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	1		12		Red Maple	Low		Variable	Variable
Northern White Cedar	10		10		Balsam Fir	Low		Variable	Variable
Black Spruce	63	Seedling	7	106	Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Red Maple	1		10		Black Spruce	Low		Variable	Variable
Tamarack	25	Seedling	7						
31	42200 - Natural White Pine	Sawtimber Well	9.9	91	111-140	N/A	OPIC - FMD: Treated under permit #015-92-01. Trace amount of pole sized aspen, paper birch and black spruce		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	64		18	91	Balsam Fir	High		Variable	Variable
Red Maple	5	Seedling	7		Red Maple	Low		Variable	Variable
Jack Pine	1	Seedling	7		Paper Birch	Trace		Variable	Variable
Red Pine	30		18		Quaking Aspen	Low	Variable	Variable	
32	6120 - Lowland Cedar	Poletimber Well	60.4	120	111-140	N/A	Trace amount of quaking aspen. (2025)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	3		8		Black Spruce	Low		Variable	Variable
Balsam Poplar	2		10		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Black Ash	25	Seedling	6		Red Maple	Low		Variable	Variable
Northern White Cedar	50		9	120	Quaking Aspen	Trace		Variable	Variable
Red Maple	2		12		Balsam Fir	Medium		Variable	Variable
Black Spruce	18		8						
33	4110 - Sugar Maple Association	Sawtimber Poor	7.2	188	1-50	N/A	Lots of good established regeneration. 25% canopy closure. (2025)Cut in 2020.OPIC - FMD: This is a two-aged stand with large remnant white pine, yellow birch, sugar maple, and hemlock over mixed hardwood poles-mainly soft maple and sugar maple. Regeneration carpets the forest floor at a height of 12"-18" but does not get any taller.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	2		16		Wild Red Raspberry	Medium		5 - 10 feet	5 - 10 feet
Yellow Birch	10		10		Yellow Birch	Low		< 5 feet	< 5 feet
Sugar Maple	83		15	188	Quaking Aspen	Trace		Variable	Variable
Hemlock	5		15		Red Maple	Medium		10 - 20 feet	10 - 20 feet
					Sugar Maple	High		< 5 feet	< 5 feet



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
40	6120 - Lowland Cedar	Poletimber Medium	94.0	97	81-110	N/A	OPIC - FMD: Sparse and thick areas. Small streams in the stand connect Landon Lake and Chandler Brook. This stand is biodiversity stewardship for those riparian values. Thick cedar patches and thin areas with other species such as black spruce and tamarack. Most trees are small and poor timber quality. A couple of small upland islands in this stand with hardwood are very remote. Some areas poorly stocked with trees contain thick alder may have been flooded by beaver in the distant past. Area included in this stand south of hardwood in NW1/4 becomes upland but contains cedar. 2015; Stand not visited due to time constraints. Previous inventory very reliable.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		2		10		Tag Alder		High	5 - 10 feet	5 - 10 feet	
Northern White Cedar		85		12	97	Northern White Cedar		Trace	< 5 feet	< 5 feet	
Black Spruce		8	Seedling	8							
Black Ash		5	Seedling	6							
41	4130 - Aspen	Poletimber Well	15.7	32	81-110	N/A	CR 438 Hunter Walking Trail: Planted numerous shrubs, planted to rye in 2013, planted to clover in 2014. Installed gates. Annual mowing, fertilize, and frost seeding. OPIC - FMD: Cut under permit # 38-88-1, aspen has regenerated nicely and is 15-25' tall. Trace red pine and white spruce in the canopy. (2025)				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Poplar		10	Seedling	8		Paper Birch		Low	Variable	Variable	
Balsam Fir		2	Seedling	6		Balsam Fir		Medium	Variable	Variable	
Quaking Aspen		80	Sapling	7	32	Ironwood		Medium	Variable	Variable	
Paper Birch		5	Sapling	5		Sugar Maple		Low	Variable	Variable	
White Pine		1		19		Red Maple		High	Variable	Variable	
Black Cherry		2	Sapling	5		Black Spruce		Trace	Variable	Variable	
42	3102 - Grass	None	3.1			Yes	Opening cultivated according to GEMS plan. Opening cultivated in 2019, 2021, 2022. Opening mowed to maintain in 2023, 2024.				
43	4119 - Mixed Northern Hardwoods	Sawtimber Well	5.2	106	81-110	N/A	Thinned in 2020. Trace amount of super canopy XL white pine. (2025)OPIC - FMD: Poor timber quality larger red maple and yellow birch. Possible to thin with compartment to north to get larger sale. Some areas not stocked well with hardwood but thick fir under. Good potential for red maple to improve but many cull trees here. Good wildlife stand with hemlock, den trees, large diameter hardwood. Access not good enough for sale alone at this time. Will cut with stand to the north. Underplant hemlock for diversity after harvest by wildlife division. Summer log if possible. 2009: Prepared as #029-07-02 "Half 'N Half" sale, but never cut. No underplanting done either.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Yellow Birch		1		13		Red Maple		Low	Variable	Variable	
Paper Birch		5		10		Sugar Maple		Low	Variable	Variable	
Hemlock		5		15		Wild Red Raspberry		Medium	< 5 feet	< 5 feet	
Northern White Cedar		10		10		Balsam Fir		Low	Variable	Variable	
Sugar Maple		5		11							
Red Maple		74		11	106						
44	6224 - Treed Bog	None	26.6			No	Tree bog with small pond. Some merchantable trees on edge. Mostly black spruce. Aspen, cedar, white pine, and tamarack also present on edges. (2025)				
Sub-Canopy Species		Density	Avg. Height	Size							
Black Spruce		High	< 5 feet	< 5 feet							
45	42290 - Natural Mixed Pine	Sawtimber Well	21.7	160	81-110	N/A	ERA: Landon Lake Pines Dry-mesic Northern Forest. Lots of standing dead/fallen fir on edges with raspberry. Trace amount of red maple in canopy. (2025)				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		2		10		Black Spruce		Low	>20 feet	>20 feet	
Black Spruce		5		10		Black Spruce		Low	Variable	Variable	
White Pine		40		25	160	Wild Red Raspberry		Low	5 - 10 feet	5 - 10 feet	
Red Pine		48		20	160	White Pine		Low	Variable	Variable	
Paper Birch		5		12		Balsam Fir		Low	Variable	Variable	





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
46	4130 - Aspen	Sapling Well	32.0	23	Immature	N/A	Trace amount of jack pine and oak in canopy. Very diverse stand. (2025)OPIC - FMD: Former white birch, aspen, and red and white pine stand. Stand was treated with a seed tree cut in 2001and 2002 by Usher under permit #007-98-01. 2016-There is a fair amount of white birch regen 5-15' tall especially on disturbed soil areas, but much of the stand has regenerated to quaking and bigtooth aspen.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		5	Log	2		Balsam Fir		Low	Variable	Variable	
Bigtooth Aspen		10	Pole	3		White Pine		Medium	10 - 20 feet	10 - 20 feet	
Red Maple		10	Pole	2		White Pine		Low	< 5 feet	< 5 feet	
Black Cherry		5	Log	2		Red Pine		Low	Variable	Variable	
White Pine		2	Log	2							
Balsam Poplar		5	Pole	3							
White Pine		10		13	70						
Quaking Aspen		52	Pole	3	23						
Red Pine		1	Log	2							
47	4115 - Y.Birch, Hemlock NH	Sawtimber Poor	4.3	110	1-50	N/A	Seed tree cut in 2020. Yellow birch seed trees left.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size		
Paper Birch		10		15		Wild Red Raspberry		Low	< 5 feet	< 5 feet	
Yellow Birch		85		10	110	Yellow Birch		Trace	Variable	Variable	
Northern White Cedar		5		10		Cattail spp.		Low	Not Applicable	Not Applicable	
						Red Maple		Medium	5 - 10 feet	5 - 10 feet	
						Red Oak		Trace	Variable	Variable	
						Balsam Fir		Low	Variable	Variable	
						Quaking Aspen		Low	Variable	Variable	
						Black Cherry		Trace	Variable	Variable	
						Black Ash		Low	Variable	Variable	
						Tag Alder		Low	< 5 feet	< 5 feet	
						Sugar Maple		Trace	Variable	Variable	
						Paper Birch		Low	Variable	Variable	
48	622 - Lowland Shrub	None	3.1			No	Culvert on west side by road, drains to the west.				
49	4110 - Sugar Maple Association	Sawtimber Well	1.2	108	81-110	N/A	OPIC - FMD: Small patch of hardwood growing along aspen ridge.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size		
Red Maple		1	Seedling	8		Balsam Fir		Low	>20 feet	>20 feet	
Sugar Maple		96		12	108	Sugar Maple		Low	Variable	Variable	
Quaking Aspen		1		15		Balsam Fir		Medium	Variable	Variable	
Paper Birch		2	Seedling	6							

5/26/16 Field notes: somewhat wolfy sugar maple and overmature aspen. Good sugar maple regen. Average BA 80.



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

50

6117 - Lowland Deciduous, Mixed Coniferous

Poletimber Well

29.8

108

81-110

N/A

OPIC - FMD: Stand is quite variable, also contains cedar. Soils are saturated almost throughout the entire stand. Almost a P type. There is a strip of tag alder running through the center of the stand with some kind of flowage.  
  
5/26/16 Field notes: Overmature aspen, paper birch, and white spruce are declining. SBW in the area. Good sugar maple regeneration: patches of seedlings and poles. Stand converting to northern hardwoods. Gentle slope (<10%) to creek. Seeps/very wet spots occur in spots.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Sapling	6	
Quaking Aspen	25		12	108
Northern White Cedar	10	Sapling	7	
Paper Birch	15		12	
Yellow Birch	2	Sapling	5	
Balsam Fir	18	Sapling	5	

51

6121 - Tamarack

Poletimber Poor

59.1

110

1-50

N/A

Very wet. Trees smaller around N type stand, i.e., stand 39. Trace amount of aspen along the southern edges.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	17		8	
Paper Birch	2	Sapling	6	
Red Maple	1	Sapling	6	
Tamarack	60	Sapling	6	110
Black Spruce	20	Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	Low	Not Applicable	Not Applicable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

52

6132 - Mixed Lowland Forest with Cedar

Poletimber Poor

14.8

80

51-80

N/A

Very wet and breaking up (2025)OPIC - FMD: SCA-Retain as biodiversity maintainance corridor along Chandler Brook. Mixed conifers consist of fir, black spruce, tamarack.5/26/16 Field Notes: Mostly lowland stream buffer. SBW initial stages observed in the area.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	5		8	
Paper Birch	15		10	
Quaking Aspen	15		12	
Balsam Poplar	10		12	
Black Spruce	30	Seedling	8	80
Northern White Cedar	20		14	
Black Ash	5	Seedling	6	108

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Poplar	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
Quaking Aspen	Low	Variable	Variable
Paper Birch	Low	Variable	Variable
Balsam Fir	Medium	Variable	Variable
Red Maple	Low	Variable	Variable
Black Spruce	Medium	Variable	Variable
Black Ash	Low	Variable	Variable

53

6130 - Fir, Aspen, Maple

Sapling Well

23.6

25

1-50

N/A

This stand wasn't harvested with adjacent aspen stand. I believe this stand naturally regenerated to mostly red maple saplings as spruce and fir fell out over time. (2025)

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	2	Seedling	8	
Balsam Fir	10	Seedling	8	
Quaking Aspen	5	Log	4	
Paper Birch	5		10	
White Spruce	2		14	
Tamarack	5		12	
Red Maple	46	Log	4	25
Black Spruce	15	Log	4	
White Pine	10		20	120

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	Variable	Variable

5

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5





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
59	4130 - Aspen	Sapling Well	36.0	14	Immature	N/A	2014 & 2015 - installed kiosk for grouse gem and improved turnaround parking area. SE corner of this stand.OPIC - FMD: Stand is composed of white birch, upland black spruce, fir, poor quality soft maple and a few aspen. A lot of fir is dead and down. Most of the regeneration is black spruce and fir. Remove overstory. The stand should regenerate primarily to spruce/fir , with a mix of aspen, red maple, and possibly white pine. Aspen and white pine are both acceptable regeneration alternatives. Harvesting will be scheduled for the summer months. 2011-Cut by Jim Carey Logging under contract # 002-08-01.2016 inventory: WP/conifer retention islands, moderate RM regen, and poor aspen regen on east (west-facing slope) side of stand. Good aspen regen in remainder (2/3 of total area) of stand.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Spruce</td><td>2</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Quaking Aspen</td><td>89</td><td>Log</td><td>3</td><td>14</td></tr><tr><td>Balsam Fir</td><td>2</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Black Cherry</td><td>2</td><td>Log</td><td>3</td><td></td></tr><tr><td>White Pine</td><td>3</td><td></td><td>14</td><td></td></tr><tr><td>Black Spruce</td><td>2</td><td>Sapling</td><td>6</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	2	Pole	4		Quaking Aspen	89	Log	3	14	Balsam Fir	2	Pole	4		Black Cherry	2	Log	3		White Pine	3		14		Black Spruce	2	Sapling	6	
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Black Spruce	2	Sapling	6																																							
61	4110 - Sugar Maple Association	Sawtimber Well	17.8	108	81-110	N/A	Thinned in 2020. Carpet of sugar maple seedlings. Did not see a significant component of older saplings as noted in the past. My guess is that these areas were adversely impacted by harvest. (2025)OPIC - FMD: Cut under permit 12-98-01 in 1999. Stand is even-aged with very little regeneration, mostly ironwood. Dense raspberry regen. Some knee high pockets of sugar maple seedlings, but these are heavily browsed.2016 inventory: Richer site. Moderate quality sugar maple logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen.																																			
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62	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	4.5	108	111-140	N/A																																				
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Balsam Fir	Medium	Variable	Variable																																							
63	6220 - Alder/Willow	None	5.1			No																																				
64	4113 - R.Maple, Conifer	Poletimber Poor	7.9	29	1-50	N/A	Cut in 1995 under contract # 22-93-01, former birch/aspen stand. Stand consists of scattered aspen clones with occasional fir. Whie birch did regenerate in patches but was browsed heavily by moose, as was much of the aspen.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>30</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Black Cherry</td><td>10</td><td>Log</td><td>4</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td></td><td>10</td><td>29</td></tr><tr><td>White Spruce</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>50</td><td>Pole</td><td>3</td><td>29</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	30	Seedling	7		Black Cherry	10	Log	4		Paper Birch	5		10	29	White Spruce	5	Seedling	8		Red Maple	50	Pole	3	29					
Canopy Species	% Cover	Size Class	DBH	Age																																						
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Red Maple	50	Pole	3	29																																						





Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
74	4130 - Aspen	Poletimber Well	4.0	26	1-50	N/A	2014 & 2015 - installed kiosk for grouse gem and improved turnaround parking area. SE corner of this stand.OPIC - FMD: Stand is composed of white birch, upland black spruce, fir, poor quality soft maple and a few aspen. A lot of fir is dead and down. Most of the regeneration is black spruce and fir. Remove overstory. The stand should regenerate primarily to spruce/fir , with a mix of aspen, red maple, and possibly white pine. Aspen and white pine are both acceptable regeneration alternatives. Harvesting will be scheduled for the summer months. 2011-Cut by Jim Carey Logging under contract # 002-08-01.2016 inventory: same age as stand 34.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	3	Sapling	5		Black Cherry	Low		Variable	Variable
Red Maple	2	Seedling	7		Sugar Maple	Medium		Variable	Variable
Quaking Aspen	90	Seedling	5	26					
White Spruce	2	Seedling	5						
Balsam Fir	3	Seedling	5						
75	6121 - Tamarack	Sapling Well	9.7	24	Immature	N/A	OPIC - FMD: Former S6 stand treated under permit # 007-98-01, it has regenerated to tamarack and black spruce.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Tamarack	89	Log	3	24	Tamarack	Medium		< 5 feet	< 5 feet
Black Spruce	5	Log	3		Black Spruce	Medium		< 5 feet	< 5 feet
Red Pine	2	Log	4						
Quaking Aspen	2	Log	3						
White Pine	2	Log	3						
76	4134 - Aspen, Spruce/Fir	Sawtimber Well	80.1	108	111-140	N/A	OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.		
Canopy Species	% Cover	Size Class	DBH	Age					
Quaking Aspen	75		11	108					
Paper Birch	2		13						
White Spruce	5		11						
Balsam Fir	18		6						
77	4134 - Aspen, Spruce/Fir	Poletimber Well	20.3	52	51-80	N/A	Planted numerous shrubs, planted to rye in 2013, planted to clover in 2014. Installed gates. Annual mowing, fertilize, and frost seeding. CR438 Hunter Walking Trail.OPIC - FMD: Nice aspen with BA running from 70-130, average of 80. 3-4 sticks tall. Stand shares a hunter walking trail with stand 77 which is need of maintainance. 2016-Scheduled for harvest under GEMS plan in 2022.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	35		10		Sugar Maple	Low		Variable	Variable
Bigtooth Aspen	35		10	52	Red Maple	Low		Variable	Variable
Balsam Fir	30		10		Balsam Fir	Medium		Variable	Variable
78	4130 - Aspen	Poletimber Well	17.3	32	51-80	N/A	CR 438 Hunter Walking Trail: Planted numerous shrubs, planted to rye in 2013, planted to clover in 2014. Installed gates. Annual mowing, fertilize, and frost seeding. OPIC - FMD: Cut under permit # 38-88-1, aspen has regenerated nicely and is 15-25' tall. Trace red pine and white spruce in the canopy (2025)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	5	Seedling	5		Red Maple	High		Variable	Variable
Black Cherry	2	Seedling	5		Sugar Maple	Low		Variable	Variable
Balsam Poplar	10	Seedling	8		Ironwood	Medium		Variable	Variable
White Pine	1		19		Paper Birch	Low		Variable	Variable
Quaking Aspen	80	Seedling	7	32	Balsam Fir	Medium		Variable	Variable
Balsam Fir	2	Seedling	6		Black Spruce	Trace		Variable	Variable



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
79	4130 - Aspen	Poletimber Well	12.1	37	111-140	N/A	Pocket of balsam fir mixed in with BAM and aspen on south side (2025)OPIC - FMD: 4" average well-stocked except about 2-3 acres non-stocked with raspberry NW along hardwood edge. Looks to be gradually seeding in with some balsam fir. Balsam poplar in some areas. Cut as "Perrin Brothers Island Sale" #010-87-1 in 1988. 2015: South end of stand with numerous blowdown, snapped stems - poor shape. Being replaced by sugar maple.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Poplar	2	Seedling	7	37	Red Maple	Low		Variable	Variable
Black Cherry	3	Seedling	6		Black Cherry	Low		Variable	Variable
Paper Birch	1	Pole	4		Sugar Maple	High		Variable	Variable
Northern White Cedar	1		10						
Balsam Fir	5	Seedling	8						
Quaking Aspen	87	Seedling	7	37					
Sugar Maple	1		10						
80	4130 - Aspen	Poletimber Well	12.6	34	141-170	N/A	Trace amount of black spruce and paper birch in canopy. (2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tall.5/27/16 Field Notes: Becoming aspen pole stand. Higher ground than aspen stands to north. Road and creek crossing to north of the stand are low. Seeps common.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Spruce	1	Seedling	6		Red Maple	Low		Variable	Variable
Quaking Aspen	84	Seedling	7	34	Black Cherry	Trace		Variable	Variable
Balsam Poplar	10	Seedling	6		Tag Alder	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Seedling	6		Balsam Fir	Low		Variable	Variable
81	4130 - Aspen	Poletimber Well	8.3	34	81-110	N/A	OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tall.5/27/16 Field notes: Becoming an aspen pole stand. Open areas, especially to the south, with low aspen stocking and open-growing fir, spruce. Road is low, full of tag alder and standing water. Winter ground. Access road has one creek/tributary crossing to the west (stand 29 w boundary), and one to south of this stand (stand 30). Each creek is 3' wide at bank-full width, running full now.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	90	Seedling	7	34	Red Maple	Low		Variable	Variable
Balsam Fir	10	Seedling	7		Tag Alder	Low		Variable	Variable
					Black Cherry	Low		Variable	Variable
					Ironwood	Low		Variable	Variable
					Balsam Fir	Low	< 5 feet	< 5 feet	
82	4130 - Aspen	Sapling Well	40.7	4	Immature	N/A	Stand was harvested in 2020.OPIC - FMD: Aspen stand growing on a small ridge. Stand is healthy, with scattered white spruce and white birch.5/25/16 Field notes: Overmature aspen, balsam fir, white spruce, paper birch starting to decline. Good birch component, good sugar maple sapling regeneration in patches; converting to northern hardwood.		
Canopy Species	% Cover	Size Class	DBH	Age					
Quaking Aspen	94	Log	1	4					
Red Maple	1	Log	1						
Paper Birch	5	Log	1						
83	4130 - Aspen	Poletimber Well	25.1	36	81-110	N/A	2015 - W32698 - installed gate, limed, mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. OPIC - FMD: Cut under permit # 23-88-1. Aspen is 1-3" dbh, 15-20' tall.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Poplar	10	Seedling	8		Balsam Fir	Low		Variable	Variable
Paper Birch	2	Seedling	6		Sugar Maple	Medium		Variable	Variable
Balsam Fir	1	Seedling	8		Ironwood	Low		Variable	Variable
Quaking Aspen	87	Seedling	9	36					











Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
101	4130 - Aspen	Sapling Well	22.0	14	Immature	N/A	Trace amount of cherry and yellow birch. (2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail.OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.																																																				
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102	4130 - Aspen	Sapling Well	30.4	16	Immature	N/A	Pole stand in some areas but for the most part a sapling stand. (2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail.OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.																																																				
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103	4110 - Sugar Maple Association	Sawtimber Well	28.7	120	81-110	N/A	Nice flush of sugar maple seedlings. Observed gaps have ironwood and elderberry. No trace of hemlock planted in 2001. (2025)West Gems MWR sale cut in 2017."North Branch Block" #24/76A - select cut 1977 (removing mostly elm) and "Bryan Creek Sale" #024-96 - select cut summer, 1999. Stain, forks, seams, cankers and breakage all noted. Trace fir, hemlock. Raspberry, burdock noted. FTP W32-590: Underplanted 7,900 hemlock 9/25/2001.																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>90</td><td></td><td>11</td><td>120</td></tr><tr><td>Basswood</td><td>10</td><td></td><td>16</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	90		11	120	Basswood	10		16		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>&gt;20 feet</td><td>&gt;20 feet</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Elderberry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Leatherwood</td><td>Low</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Wild Red Raspberry</td><td>Low</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	Variable	Variable	Sugar Maple	Low	>20 feet	>20 feet	Sugar Maple	Low	Variable	Variable	Elderberry	Low	5 - 10 feet	5 - 10 feet	Leatherwood	Low	< 5 feet	< 5 feet	Wild Red Raspberry	Low	< 5 feet	< 5 feet	Ironwood	Low	Variable	Variable						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
104	6120 - Lowland Cedar	Poletimber Well	66.8	151	81-110	N/A	Spruce, tamarack overtopping cedar. Variable stocking levels.		
<div>Canopy Species</div> <div>Northern White Cedar</div> <div>Tamarack</div> <div>Black Spruce</div> <div>Quaking Aspen</div> <div>Balsam Poplar</div> <div>Paper Birch</div>		<div>% Cover</div> <div>56</div> <div>20</div> <div>15</div> <div>2</div> <div>2</div> <div>5</div>	<div>Size Class</div> <div></div> <div></div> <div>Sapling</div> <div></div> <div></div> <div>Sapling</div>	<div>DBH</div> <div>8</div> <div>9</div> <div>7</div> <div>14</div> <div>14</div> <div>6</div>	<div>Age</div> <div>151</div> <div>117</div> <div>117</div> <div></div> <div></div> <div></div>	<div>Sub-Canopy Species</div> <div>Tag Alder</div> <div>Balsam Fir</div> <div>Black Spruce</div> <div>Tamarack</div>	<div>Density</div> <div>High</div> <div>Medium</div> <div>Low</div> <div>Low</div>	<div>Avg. Height</div> <div>10 - 20 feet</div> <div>Variable</div> <div>Variable</div> <div>Variable</div>	<div>Size</div> <div>10 - 20 feet</div> <div>Variable</div> <div>Variable</div> <div>Variable</div>
105	4130 - Aspen	Sapling Well	12.9	8	Immature	N/A	Harvested 2017: TS# 32-14-16. Aspen regeneration already 6'+ tall summer after winter harvest.		
<div>Canopy Species</div> <div>Quaking Aspen</div> <div>Paper Birch</div> <div>Sugar Maple</div> <div>Black Cherry</div>		<div>% Cover</div> <div>94</div> <div>1</div> <div>2</div> <div>3</div>	<div>Size Class</div> <div>Log</div> <div>Log</div> <div>Log</div> <div>Pole</div>	<div>DBH</div> <div>2</div> <div>2</div> <div>1</div> <div>4</div>	<div>Age</div> <div>8</div> <div></div> <div></div> <div></div>	<div>Sub-Canopy Species</div> <div>Balsam Fir</div>	<div>Density</div> <div>Low</div>	<div>Avg. Height</div> <div>&lt; 5 feet</div>	<div>Size</div> <div>&lt; 5 feet</div>
107	6120 - Lowland Cedar	Poletimber Well	1.4	118	51-80	N/A	OPIC - FMD: CK 2000Very wet with varying levels of marketability. For the most part too wet to harvest and low merchantability. Very variable BA and patchy. Trace amount of log sized white pine and pole sized birch and red maple.		
<div>Canopy Species</div> <div>Black Spruce</div> <div>Tamarack</div> <div>Northern White Cedar</div>		<div>% Cover</div> <div>10</div> <div>10</div> <div>80</div>	<div>Size Class</div> <div>Seedling</div> <div>Seedling</div> <div>Sapling</div>	<div>DBH</div> <div>7</div> <div>8</div> <div>6</div>	<div>Age</div> <div></div> <div>118</div> <div>118</div>	<div>Sub-Canopy Species</div> <div>Black Spruce</div> <div>Tamarack</div> <div>White Pine</div> <div>Balsam Fir</div> <div>Tag Alder</div>	<div>Density</div> <div>Medium</div> <div>Low</div> <div>Trace</div> <div>Medium</div> <div>Medium</div>	<div>Avg. Height</div> <div>Variable</div> <div>Variable</div> <div>Variable</div> <div>Variable</div> <div>5 - 10 feet</div>	<div>Size</div> <div>Variable</div> <div>Variable</div> <div>Variable</div> <div>Variable</div> <div>5 - 10 feet</div>
108	310 - Herbaceous Openland	None	23.9			No	Powerline R.O.W. and utility station (2024)		
109	500 - Water	None	1.1			No	water		
112	4130 - Aspen	Poletimber Well	16.2	27	Unspecified	N/A	"Bryan Creek Sale" #024-96 (unit 1,2) - cut July, 1998. Some lowland aspen, tamarack along lower edges of stand. Some red maple saplings.		
<div>Canopy Species</div> <div>Paper Birch</div> <div>Quaking Aspen</div> <div>Balsam Fir</div>		<div>% Cover</div> <div>1</div> <div>94</div> <div>5</div>	<div>Size Class</div> <div>Sapling</div> <div>Sapling</div> <div>Sapling</div>	<div>DBH</div> <div>5</div> <div>6</div> <div>6</div>	<div>Age</div> <div></div> <div>27</div> <div></div>	<div>Sub-Canopy Species</div> <div>White Spruce</div> <div>Balsam Fir</div> <div>Red Maple</div>	<div>Density</div> <div>Low</div> <div>Low</div> <div>Low</div>	<div>Avg. Height</div> <div>Variable</div> <div>Variable</div> <div>Variable</div>	<div>Size</div> <div>Variable</div> <div>Variable</div> <div>Variable</div>
113	4130 - Aspen	Poletimber Well	18.1	43	51-80	N/A	OPIC - FMD: Just transitioned to A6. 2-3 stick aspen over A3F1.		
<div>Canopy Species</div> <div>Quaking Aspen</div>		<div>% Cover</div> <div>100</div>	<div>Size Class</div> <div>Seedling</div>	<div>DBH</div> <div>8</div>	<div>Age</div> <div>43</div>				



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																	
128	3102 - Grass	None	2.9			Yes	W32-347: seeded 9/1988 - completion report states site was not disked, due to too many rocks. (clover, alfalfa, alsike, trefoil, timothy, rye, o. grass).Cultivated and reseeded in 2018 and 2019, 2021, 2022.Mowed to maintain in 2023.																																																																																	
130	6239 - Mixed Emergent Wetland	None	9.3			No																																																																																		
131	4110 - Sugar Maple Association	Sawtimber Well	67.6	106	111-140	N/A	Basal areas ranging from 60 to 140. Areas with lower basal area have good maple regeneration. Trace amount of white pine and quaking aspen. (2025)Not all of stand is in need of treatment. Better sugar maple regeneration in areas with lower residual (60-70 BA) stocking level (more birch, aspen removed?) - more within middle of stand, which could be excluded. Higher BA areas still contains regeneration, just not as thick. If treat, look at also treating adjacent pre-inventory stand 56 where feasible. May wish to contract out.Select cut Dec,1998 - Jan, 1999 under permit #025-96 "Prudom's Camp Sale". Trace amount of fir, spruce and ironwood pole/saplings within. Maple with black stain, cankers, cavities, forks; fair amount of wildlife snags. Ground cover of raspberry, club moss noted.																																																																																	
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132	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	19.5	128	51-80	N/A	Variable basal area. This stand transitions from higher ground on the east side to lower ground. (2025)																																																																																	
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133	4130 - Aspen	Poletimber Well	47.8	27	1-50	N/A	2015 - Planted 50 highbush cranberries, 50 nannyberry, 100 beaked hazelnut, and 5 mountain ash. Established "Narrow Bridge NE" Hunter Walking Trail."Bryan Creek Sale" (units 3,5,6) - cut July, 1998 and August, 1999. 2017 - Hunter walking trail through stand 133 and 112 renamed "RGS Route." Trees planted in 2015 were checked and any shelters on dead trees were removed.																																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
150	4130 - Aspen	Sawtimber Well	25.5	49	111-140	N/A	75% canopy closure. Super canopy older trees present but overall, very low percentage of canopy. Cut 2017 under Perrin Brothers North GEMS SBW (32-014-16) (2025)Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere most under 2" dbh. Hazel and raspberry, some elderberry, juneberry in the shrub layer. Cut spring, 1976 under permit # 7/76A "Perrin Brothers Road Block".		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	10		11		Red Maple	Medium		Variable	Variable
Balsam Fir	2	Seedling	8		Balsam Fir	Medium		Variable	Variable
Quaking Aspen	75		11	49	Black Cherry	Low		Variable	Variable
Red Maple	5	Seedling	7		White Spruce	Low		Variable	Variable
Paper Birch	1	Seedling	8		Balsam Fir	Medium		Variable	Variable
Sugar Maple	2		10		Sugar Maple	Low		Variable	Variable
Balsam Poplar	5		11		Black Cherry	Low		Variable	Variable
					White Spruce	Low		Variable	Variable
151	4130 - Aspen	Poletimber Well	3.0	37	81-110	N/A	OPIC - FMD: well-stocked 4" dbh. Fir understory in areas 4-6' tall but some larger. Cut in 1988 under permit #010-97-1 "Perrin Brothers Island Sale" (unit 1). 2015: Some uprooting noted and dieback. Ground cover of raspberry, hazel and bracken fern all present. Nice sugar maple in understory. Small vernal area within north tip of stand - smaller aspen here as well.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	1	Seedling	6		Balsam Fir	Medium		Variable	Variable
Black Cherry	1	Seedling	6		Red Maple	High		Variable	Variable
Quaking Aspen	95	Seedling	8	37	Sugar Maple	High		>20 feet	>20 feet
Paper Birch	1	Seedling	6						
Balsam Fir	2	Seedling	8						
152	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.7	75	81-110	N/A	OPIC - FMD: Thinned Oct, 1997 and May, 2000 permit #16-97-01 "Perrin Camp Sale" (unit 5) by Tri-Forestry. Mostly a poorer timber quality red maple stand but some sugar on the higher elevations. Good regeneration 6' tall in spots being fed on by deer but may escape. Overall timber quality has improved with the last harvest and good potential is here. Good species diversity in this stand. Softwoods are Hemlock, cedar, spruce and fir. 2015: Paper birch heavy along marsh type with heavy fir understory and smaller sugar maple. Transitions into more pure hardwood with 10-15' maple saplings. Larger white spruce is dying - budworm. Black stain on sugar maple noted.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	20		12		White Spruce	Low		Variable	Variable
Paper Birch	3		10		Balsam Fir	Medium		Variable	Variable
Black Cherry	1	Seedling	8		Sugar Maple	Medium		Variable	Variable
White Spruce	3		8						
Red Maple	66		9	75					
Balsam Fir	2	Seedling	8						
Northern White Cedar	5		10						
153	4319 - Mixed Upland Forest	Poletimber Well	27.5	67	51-80	N/A	Thick fir understory in most areas. A few semi-open areas within. Trace amount of large-diameter maple. Budworm evidence in spruce; aspen in decline - a lot dead already. Treat now.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Spruce	20		6		Black Cherry	Medium		Variable	Variable
Quaking Aspen	40		10	67	Sugar Maple	Medium		Variable	Variable
Black Cherry	5	Sapling	5		Balsam Fir	High		>20 feet	>20 feet
Balsam Poplar	5	Seedling	7						
Balsam Fir	30		8						





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177	4110 - Sugar Maple Association	Sawtimber Well	11.8	106	111-140	N/A	Trace amount of paper birch and aspen in canopy (2025)OPIC - FMD: Removed aspen and fir under permit #5/76A in 1976. TSI and elm salvage in 1977. Need line work here but should be able to do it. Good potential but a lot of basswood clumps and poor quality to come out. Some sparse areas but most areas need thinning. Underplant hemlock for diversity after harvest by wildlife division.Summer logging restrictions if possible. Stand treated fall of 2009 by Triest under contract # 17-07-01 "Denn's Old Camp Hardwood". 2015: Fairly heavy maple regeneration <2' ht. Raspberry, leatherwood, hazel all noted in understory.																																																															
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178	330 - Low-Density Trees	None	2.4			Yes	Leatherwood noted along edges. Cut merchantable timber when adjacent stand is prescribed, esp. if used for access.																																																															
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179	4130 - Aspen	Poletimber Well	19.9	49	111-140	N/A	Trace amount of red pine, white spruce, paper birch and basswood in canopy. Stand divided into 3 smaller stands. (2025)Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere most under 2" dbh. Hazel and raspberry, some elderberry, juneberry in the shrub layer. Cut spring, 1976 under permit # 7/76A "Perrin Brothers Road Block".Part of stand cut under Flushing Frog GEMS 32-009-22																																																															
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180	4130 - Aspen	Sawtimber Well	31.0	48	111-140	N/A	2015: Some decline in aspen noted. Thick maple regeneration (1-3" dbh) doing well - manage for both A/M or let convert to M. Fringe of older aspen (10-12" dbh) along stand 28 boundary. Heavier S/F, in pockets. OPIC - FMD: Well-stocked 2-4 stick aspen. Fir under 10' tall medium stocked. South is more 4-stick, north is slightly smaller aspen. Raspberry ground cover. Cut in 1976 under permit #5/76A "Bob's Lake West".																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
186	4112 - Maple, Beech, Cherry Association	Poletimber Medium	4.7	188	51-80	N/A	Patchy maple with variable BA. Higher BA adjacent to CO RD 438. Trace amount of cedar and hemlock in canopy. (2025)Cut in 2020. Left most maple and some hardwood/conifer.OPIC - FMD: Stand was cut hard last treatment period, regenerating very well to soft maple.																																																														
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187	3102 - Grass	None	2.6			Yes	Historic hunter walking trail delineated 4/20/2018 for ease of treatment prescription.																																																														
188	6224 - Treed Bog	None	33.4			No	Sapling/seedling black spruce and tamarack. Most of the trees look to be standing dead. (2025)OPIC - FMD: Stunted black spruce with a frindge of black spruce poles surrounding a bog lake.7/19/23: Updated to non-OI cover type.																																																														
189	4130 - Aspen	Poletimber Well	21.8	32	81-110	N/A	OPIC - FMD: Treated under permit #015-92-01. 2-4" aspen saplings 20'-40' tall over fir with a W7 overstory in the southeast portion of the stand. This stand also contains a small 1 acre hard and soft maple "island".																																																														
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190	4136 - Aspen, Mixed Conifer	Sapling Well	32.7	2		N/A	OPIC - FMD: Aspen poles and saplings with fir, jack pine, spruce poles, and scattered white pine sawtimber over fir, red and white pine, and jack pine seedlings and saplings. The stand is fully stocked and just starting to transition from a sapling stand to a pole stand.7/19/23: Updated to non-OI cover type.SF2024: Treated under Flushing Frogs GEMS Sale 32-009-22 (1)Trace amount of jack pine and paper birch. (2024)																																																														
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191	4130 - Aspen	Sapling Well	23.7	12	Immature	N/A	OPIC - FMD: A4M4F4W4 Medium stocked aspen ,soft maple, fir and white birch with occasional large white pine and white spruce. Dense 1-3" fir understory. Numerous 1/10 acre "openings" throughout the stand. Retain all pines and large supercanopy white spruce. 2013-harvested by Sanville summer of 2013 under contract # 014-12-01.7/19/23: Updated to non-OI cover type.																																																									
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192	6122 - Black Spruce	Poletimber Well	10.9	41	51-80	N/A	OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately 50% of the stand is in aspen, with conifers the remainder. Conifer content consists of a blend of white pine, red pine, jack pine and white spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-OI cover type.Bill Rollo GEM Management Plan:Stand rotation 2037 YOΕ.																																																									
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193	6122 - Black Spruce	Sapling Medium	15.3	90	Unspecified	N/A	OPIC - FMD: Medium stocked black spruce bog with scattered tamarack.7/19/23: Updated to non-OI cover type.Very wet black spruce bog. Some upland with larger black spruce trees and aspen on the perimeter.																																																									
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194	4130 - Aspen	Poletimber Well	19.8	33	81-110	N/A	OPIC - FMD: Cut under contract# 016-92-01. Aspen 2-4" dbh, 2-40' tall.Trace amounts of cherry and red pine in canopy. (2025)																																																									
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195	3303 - Mixed Low Density Trees	None	2.2			Yes	OPIC - FMD: Small grass openingFilling in with tamarack, red pine, white pine, quaking aspen, and cherry.																																																									
196	6225 - Bog	None	8.0			No	OPIC - FMD: Bog																																																									







Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
202	6121 - Tamarack	Poletimber Well	18.5	31	81-110	N/A	OPIC - FMD: Nice pocket of tamarack regeneration. SI from stand 16.7/19/23: Updated to non-OI cover type.Cut in 1983 with the 557 West Block Sale.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	5	Pole	4		Black Spruce	Low		Variable	Variable
Northern White Cedar	2	Seedling	8		Red Maple	Low		Variable	Variable
Black Spruce	25	Sapling	5		Balsam Fir	Low		Variable	Variable
Quaking Aspen	15	Sapling	5						
Paper Birch	1	Pole	4						
Tamarack	52	Sapling	5	31					
203	3102 - Grass	None	2.6			Yes	OPIC - FMD: 1990 2.2 ACRES DISC & SEEDED FTP W-32-319 2017 - Disked, fertilized, and planted fall rye along with Hunter Walking Trail (HWT) leading to this opening through portions of stands 201, 205, and 199 (FTP W-32-901).		
204	6122 - Black Spruce	Poletimber Well	8.0	116	51-80	N/A	OPIC - FMD: Essentially a small treed bog.7/19/23: Updated to non-OI cover type.Primarily 1 stick black spruce. Very wet. Trace amount of paper birch and white pipe poles. 2024		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Tamarack	10	Pole	4		White Pine	Trace		Variable	Variable
Black Spruce	88	Pole	4	116	Black Spruce	Low		Variable	Variable
Northern White Cedar	2		10						
205	4130 - Aspen	Sapling Well	29.7	12	Immature	N/A	OPIC - FMD: Well stocked stand of larger aspen with fir, soft maple, and scattered supercanopy white spruce. 2013-harvested by Sanville summer of 2013 under contract # 014-12-01.7/19/23: Updated to non-OI cover type.Trace super canopy white pine.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Log	3		Red Maple	Medium		Variable	Variable
Balsam Fir	5	Pole	4		Balsam Fir	Medium		Variable	Variable
Black Cherry	1	Log	2		Sugar Maple	Medium		Variable	Variable
Quaking Aspen	81	Log	3	12					
Paper Birch	8	Log	2						
206	42200 - Natural White Pine	Sawtimber Poor	4.5	126	51-80	N/A	OPIC - FMD: Cut under contract #019-92-01. W7F3T3W3. The stand has regenerated well to fir, white pine , and tamarack saplings, as well as soft maple stump sprouts. All the saplings are 1-2" in dbh and 8-30' tall, with the fir the tallest followed by tamarack, then white pine.7/19/23: Updated to non-OI cover type.White pine overstory. Understory transitioning into pole sized. Very thick good regeneration in understory.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	100		16	126	Balsam Fir	Medium		Variable	Variable
					Red Maple	Medium		Variable	Variable
					White Pine	High		Variable	Variable
					Tamarack	Trace		Variable	Variable
					Black Spruce	Medium		Variable	Variable
207	4130 - Aspen	Sapling Well	37.8	9		N/A	This stand contains a very small gravel pit just south of hardwood stand. (2025)Aspen, red maple, birch, spruce, and fir stand, harvested 12/2016. 2016-Stand cruised and ready for sale. # 32-009--16-01 438 SBW. Cut 12/16,		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	10	Log	2		Ironwood	Low		< 5 feet	< 5 feet
Sugar Maple	2	Log	1						
Black Cherry	2	Log	2						
Quaking Aspen	76	Log	2	9					
Balsam Poplar	10	Log	2						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
221	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	20.8	64	81-110	N/A	OPIC - FMD: Well stocked aspen with spruce, fir and white birch over mostly fir and hazel. Most of the stand is higher except for a low pocket on the east side.Stand is within GEM. Spruce/fir component is only 10 sq. ft. Stand will be monitored and harvested as per GEM plan																																																											
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222	6120 - Lowland Cedar	Sawtimber Well	24.0	130	201+	N/A	Trace amount of white pine and basswood in canopy. (2025)																																																											
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223	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	25.9	64	81-110	N/A	OPIC - FMD: Well stocked aspen with spruce, fir and white birch over mostly fir and hazel. Most of the stand is higher except for a low pocket on the east side.Stand is within GEM. Spruce/fir component is only 10 sq. ft. Stand will be monitored and harvested as per GEM plan																																																											
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224	4110 - Sugar Maple Association	Sawtimber Well	5.9	119	81-110	N/A	Trace amount of aspen and cedar in canopy. (2025)OPIC - FMD: Small hardwood stand along Co. Rd 438. Also contains a few large aspen, basswood and an occasional upland cedar. Cutting will be limited to the w. birch and hard maple. Retain the large aspen, basswood, and cedar. 2012-Stand treated by C.J Logging under contract #003-08-01 fall and winter of 2011-2012.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
225	6130 - Fir, Aspen, Maple	Sawtimber Well	7.3	97	81-110	N/A	This stand is falling down. Very diverse stand OPIC - FMD: OI Stand Year Origin was 192712/15/2016: Paper birch, aspen aging to over mature. Variety of age classes for fir, spruce. Maple, cherry saplings.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Spruce		2		11		Black Cherry		Low	>20 feet	>20 feet	
Tamarack		1		9		Balsam Fir		Medium	Variable	Variable	
Black Cherry		2		10		Quaking Aspen		Low	Variable	Variable	
Red Maple		2	Seedling	8		Red Maple		High	Variable	Variable	
Black Spruce		10		9	97						
Balsam Fir		15		9							
Quaking Aspen		45		18	97						
Black Ash		5	Seedling	6							
Northern White Cedar		15		11							
Paper Birch		3		9							
226	330 - Low-Density Trees	None	17.3			Yes	Filling in with cherry, aspen, balsam fir and white spruce. Trace amount of white pine seedlings. Very clumpy, cherry dispersed throughout. (2025)OPIC - FMD: Maintain wildlife opening. Roller-chop to discourage brush and saplings from encroachment. OI Stand Year Origin was				
227	4130 - Aspen	Sapling Well	32.2	14	Immature	N/A	Trace super canopy maple and hemlock (2025)2015, Stds 40 and 41 - 50 red osier dogwood, 50 serviceberry, 50 magenta crabapples, 50 elderberry, 50 nannyberry, 25 highbush cranberry, 50 sand cherry, 50 pin cherry, 125 beaked hazelnut, and 25 red oak seedlings were planted by the Ruffed Grouse Society volunteer group.OPIC - FMD: West of stand 41 but lower and wetter. Conifer content is significant, and transitioning to a spruce/fir stand. Aspen is fairly sparse in areas.. Contains a large stick nest in a 16" aspen about 30' up. Summer harvest will be required to avoid conflicts with the snowmobile trail. 2010 Cut by St. John summer of 2010 under contract # 10-09-01. Stand has regenerated to aspen.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Quaking Aspen		84	Log	2	14	Leatherwood			Low	5 - 10 feet	5 - 10 feet
Black Cherry		3	Log	2		White Spruce			Trace	Variable	Variable
Balsam Poplar		2	Log	2		Balsam Poplar			Trace	Variable	Variable
Paper Birch		5	Log	2		Balsam Fir			Low	Variable	Variable
Sugar Maple		1	Log	1		Sugar Maple			High	< 5 feet	< 5 feet
Balsam Fir		5	Log	3		Balsam Fir	Low	>20 feet	>20 feet		
						Ironwood	Low	Variable	Variable		
228	4110 - Sugar Maple Association	Sawtimber Well	38.2	120	111-140	N/A	Trace amount of red pine in canopy. Good sugar maple regeneration. Most of the balsam is on the edge of stand. (2025)Great sugar maple regeneration, decent poles. Mostly table-top and north-facing slope. 100 BA overall, more regeneration in west. Wait until next entry to thin.OPIC - FMD: Cut under permit #12-99-01 in 2000. Hardwood regeneration is essentially nonexistent. Raspberry is very prolific.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size		
Paper Birch		1	Seedling	9		Leatherwood	Low	5 - 10 feet	5 - 10 feet		
Hemlock		1		15		White Spruce	Trace	Variable	Variable		
Quaking Aspen		1	Seedling	8		Balsam Poplar	Trace	Variable	Variable		
Basswood		15		15		Balsam Fir	Low	Variable	Variable		
Yellow Birch		1	Seedling	9		Sugar Maple	High	< 5 feet	< 5 feet		
Sugar Maple		79		11	120	Balsam Fir	Low	>20 feet	>20 feet		
Balsam Poplar		1	Seedling	8		Ironwood	Low	Variable	Variable		
Northern White Cedar		1	Seedling	9							



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

229

6112 - Lowland Aspen

Sapling Poor

14.4

12

Immature

N/A

Canopy Species

% Cover

Size Class

DBH

Age

Red Maple

20

Log

2

Quaking Aspen

45

Log

2

12

Balsam Poplar

10

Log

2

Paper Birch

3

Log

2

Black Spruce

2

Log

2

Northern White Cedar

10

9

Balsam Fir

10

Pole

4

Sub-Canopy Species

Density

Avg. Height

Size

Tag Alder

Medium

5 - 10 feet

5 - 10 feet

Trace amount of red maple and paper birch in canopy. (2025)OPIC - FMD: Fairly well stocked aspen stand with a good mix of softwood and white birch. Portions of the stand are wetter with more Balm, almost a "P" type. The aspen is big and mature, average dbh is 12"-14". Scattered throughout the stand are large, super-canopy white spruce. Retain all cedar, white pine, and super-canopy spruce. 2012-Sale cut by Minerick under contract # 009-09-01.

230

4130 - Aspen

Poletimber Well

13.0

34

81-110

N/A

Canopy Species

% Cover

Size Class

DBH

Age

Quaking Aspen

93

Sapling

6

34

Balsam Fir

5

Sapling

6

Sugar Maple

2

Seedling

7

Sub-Canopy Species

Density

Avg. Height

Size

Black Cherry

Low

Variable

Variable

Balsam Fir

Low

Variable

Variable

Red Maple

Low

Variable

Variable

White Spruce

Trace

Variable

Variable

Sugar Maple

Medium

Variable

Variable

Ironwood

Trace

Variable

Variable

Paper Birch

Low

Variable

Variable

American Elm

Trace

Variable

Variable

231

4130 - Aspen

Poletimber Well

28.7

64

81-110

N/A

Canopy Species

% Cover

Size Class

DBH

Age

Black Spruce

2

10

Quaking Aspen

98

11

64

Sub-Canopy Species

Density

Avg. Height

Size

Balsam Fir

Low

Variable

Variable

Balsam Fir

Low

>20 feet

>20 feet

Patches of GEMS timber sale retention. Most balsam fir and saplings standing dead. Smaller and wetter on east side. (2025)

232

6122 - Black Spruce

Poletimber Medium

5.5

87

51-80

N/A

Canopy Species

% Cover

Size Class

DBH

Age

Sugar Maple

2

Seedling

8

Quaking Aspen

15

10

Paper Birch

5

10

Balsam Poplar

15

14

Northern White Cedar

10

10

Black Spruce

53

Seedling

8

87

Sub-Canopy Species

Density

Avg. Height

Size

Northern White Cedar

Trace

< 5 feet

< 5 feet

Balsam Fir

Full

Variable

Variable

Balsam Poplar

Low

Variable

Variable

Tag Alder

Medium

5 - 10 feet

5 - 10 feet

Red Maple

Low

Variable

Variable

Stand along the river. Leave as buffer. Good cover. Due to its proximity to the river and amount of aspen this should be left as a buffer. (2025)



Stand	Level 4 Cover Type	Size Density		Acres	Stand Age	BA Range	Managed Site	General Comments	
233	4130 - Aspen	Poletimber Well		9.7	34	81-110	N/A		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		93	Sapling	6	34	Sugar Maple	Medium	Variable	Variable
Sugar Maple		2	Seedling	7		Black Cherry	Low	Variable	Variable
Balsam Fir		5	Sapling	6		Balsam Fir	Low	Variable	Variable
						White Spruce	Trace	Variable	Variable
						Red Maple	Low	Variable	Variable
						Ironwood	Trace	Variable	Variable
						American Elm	Trace	Variable	Variable
						Paper Birch	Low	Variable	Variable
234	6139 - Mixed Lowland Forest	Sawtimber Medium		16.2	64	1-50	N/A	This is primarily a buffer stand along the river. Aspen is breaking up.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		35		14	64	Balsam Fir	High	Variable	Variable
Tamarack		3		10		Tag Alder	High	5 - 10 feet	5 - 10 feet
Black Cherry		2	Seedling	6		Quaking Aspen	Low	Variable	Variable
Black Spruce		50		10	64	Red Maple	Low	Variable	Variable
Paper Birch		3		8					
Red Maple		2	Seedling	8					
White Spruce		5		12					
236	3102 - Grass	None		1.8			Yes	Some encroachment from cherry and tamarack	
237	4130 - Aspen	Poletimber Well		16.9	34	81-110	N/A	Trace amount of black ash in canopy. (2025)	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Poplar		23	Sapling	6		Tag Alder	Trace	5 - 10 feet	5 - 10 feet
Quaking Aspen		70	Sapling	6	34	White Spruce	Low	Variable	Variable
Balsam Fir		6	Seedling	5		Black Ash	Trace	Variable	Variable
White Spruce		1	Seedling	7		Red Maple	Low	Variable	Variable
						Black Cherry	Low	Variable	Variable
						Sugar Maple	Trace	Variable	Variable
						Balsam Fir	Low	Variable	Variable
						Balsam Poplar	Low	Variable	Variable
238	3102 - Grass	None		2.2			Yes	2015 - planted 10 dolgo crabapples.	





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
250	4130 - Aspen	Poletimber Medium	16.8	32	51-80	N/A	OPIC - FMD: CUT UNDER PERMIT 36-89-1 Aspen is 1-2" in diameter, 10-20' tall.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		1		12		Balsam Fir	Low	Variable	Variable
Black Cherry		1	Seedling	7		Red Maple	Low	Variable	Variable
Quaking Aspen		61	Sapling	6	32	Sugar Maple	Low	Variable	Variable
Balsam Fir		10	Seedling	7		Balsam Poplar	Low	Variable	Variable
Paper Birch		2	Seedling	5		Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Poplar		25	Seedling	5		Sugar Maple	Medium	< 5 feet	< 5 feet
						Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet
251	4199 - Other Mixed Upland Deciduous	Sapling Well	24.1	32	Immature	N/A	OPIC - FMD: CUT UNDER PERMIT 36-89-1 Aspen is 1-2" in diameter, 10-20' tall. Stand is decently wet. Trace amounts of red pine and cedar in canopy. Emerging pole stand (2025)		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		15	Sapling	6		Red Maple	Medium	5 - 10 feet	5 - 10 feet
Hemlock		5		16		Balsam Fir	Low	Variable	Variable
Red Maple		35	Pole	4	32	Sugar Maple	Trace	5 - 10 feet	5 - 10 feet
Tamarack		1	Seedling	6		Northern White Cedar	Trace	< 5 feet	< 5 feet
Paper Birch		5	Sapling	5		Black Ash	Trace	Variable	Variable
Balsam Poplar		25	Pole	4		Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir		10		5					
White Spruce		1	Pole	4					
Black Spruce		2	Seedling	6					
Black Cherry		1	Pole	4					
252	6225 - Bog	None	2.8			No			
253	6120 - Lowland Cedar	Poletimber Well	46.2	132	111-140	N/A	Stocking is variable. Trace amount of tamarack. (2025)		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		60		9	132	Alder	High	5 - 10 feet	5 - 10 feet
Paper Birch		5		10		Quaking Aspen	Trace	Variable	Variable
Quaking Aspen		10		10		Balsam Fir	High	Variable	Variable
Black Spruce		25	Seedling	6					



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
260	4199 - Other Mixed Upland Deciduous	Sapling Poor	1.5	20	1-50	N/A	This stand was an opening but is has grown in. Wildlife planted crabapple trees here. This stand currently has a treatment to restore this stand to an opening. As is, this stand no longer meets the criteria of an opening, i.e., canopy closure above 25%. 2015 - planted 5 dolgo crabapples with enclosures.																																																									
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261	4110 - Sugar Maple Association	Sawtimber Well	7.4	120	111-140	N/A	This was once part of a bigger stand but much of it is now in an MWR stand. West edge has some lower ground and is a little more diverse. (2025)OPIC - FMD: Thinned Dec, 1997 - June,1998 Tri-Forestry permit #16-97-01 "Perrin Camp Sale". Also C32-382: TSI removing ironwood and some marked trees completed in Dec, 1981. Nice timber quality here and is sawlog size. Lower elevation along clearcut trees show some dieback from possible soil compaction during last harvest but most of the stand is healthy and good quality. Some higher BA areas but crown room in most areas. M3 gaps from 1970s harvest 2-4 inches dbh. New M3 regeneration is 3-4' tall and is mostly in the west part of stand. Some feeding by deer but seedlings may escape. Some scarlet elderberry on landings. 2015: regeneration in west part of stand is now 10' + range.																																																									
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262	4134 - Aspen, Spruce/Fir	Poletimber Poor	3.1	20	1-50	N/A	This was two opening separated by a patch of older trees. Multiple ages present both openings are now forested, and this stand serves as retention for larger surrounding aspen stand timber sale Patches of GEMS. (2025)																																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Poplar</td><td>40</td><td>Seedling</td><td>6</td><td>20</td></tr><tr><td>Quaking Aspen</td><td>10</td><td></td><td>12</td><td>64</td></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Quaking Aspen</td><td>30</td><td>Pole</td><td>4</td><td>20</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Balsam Poplar	40	Seedling	6	20	Quaking Aspen	10		12	64	Balsam Fir	20	Pole	4		Quaking Aspen	30	Pole	4	20																																					
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263	4134 - Aspen, Spruce/Fir	Poletimber Well	46.6	54	81-110	N/A	OPIC - FMD: A6 over A3/F2. Stand is well stocked with 3-4 stick poles. 2015-4-6 stick aspen with 4 stick fir over F3. Schedule harvest according to GEMS plan.																																																									
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264	4119 - Mixed Northern Hardwoods	Poletimber Well	9.9	42	81-110	N/A	OPIC - FMD: Cut heavily in 1982. Lots of stump sprouting has resulted in a large number of twins and triplets. Avg. dbh is 6"-7" with very dense sugar maple regeneration 1/2" - 1" diameter and 10'-15' tall.Medium density hardwood poles but marginal quality. Aspen clone within should be harvested to promote regeneration. Good representation of yellow birch, paper birch, cherry too.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
282	4110 - Sugar Maple Association	Sawtimber Well	45.2	187	111-140	N/A	OPIC - FMD: High site quality. Stand is predominantly sugar maple and basswood with an occasional white birch and upland cedar. Transitioning to M9. Only a few regen gaps from previous treatment but those gaps have good regeneration. Marking will be limited to sugar maple stems, retaining all the minor species ie. basswood, w. birch, cedar, white pine, hemlock. 2009-Stand treated under contract # 008-09-01 by Gartland.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	90		10	187	Blackberry/Raspberry	Medium		5 - 10 feet	5 - 10 feet
Basswood	8		13		Leatherwood	Low		5 - 10 feet	5 - 10 feet
Paper Birch	2	Seedling	8		Sugar Maple	Low		>20 feet	>20 feet
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
292	429 - Mixed Upland Conifers	Sapling Medium	12.0	12	Immature	N/A	OPIC - FMD: Upland black spruce with scattered white pine sawtimber. Most of the fir is dead and down. Stand contains a soft maple component but less than 10 ba. Small pocket of D within the stand. 2013-harvested by Sanville summer of 2013 under contract # 014-12-01.7/19/23: Updated to non-OI cover type.Super canopy white pine present.																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Tamarack</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>1</td><td></td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>10</td><td></td><td>16</td><td></td></tr><tr><td>White Pine</td><td>24</td><td>Log</td><td>1</td><td>12</td></tr><tr><td>Balsam Fir</td><td>30</td><td>Log</td><td>2</td><td>12</td></tr><tr><td>Paper Birch</td><td>1</td><td>Log</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	5	Log	1		Black Cherry	5	Log	1		Red Maple	20	Log	1		Northern White Cedar	5	Seedling	8		White Pine	10		16		White Pine	24	Log	1	12	Balsam Fir	30	Log	2	12	Paper Birch	1	Log	1						
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293	4130 - Aspen	Poletimber Well	34.8	31	Immature	N/A	OPIC - FMD: Cut in 1993 under contract # 17-92-01. 2-4" aspen saplings over small fir and pockets of jack pine. 7/19/23: Updated to non-OI cover type.																																																		
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294	4211 - Planted Red Pine	Poletimber Well	9.3	43	111-140	N/A	OPIC - FMD: Machine planted in 1982. Stand is now a fully stocked 1-2 stick pole stand. 7/19/23: Updated to non-OI cover type.																																																		
295	4136 - Aspen, Mixed Conifer	Poletimber Well	32.0	41	111-140	N/A	OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately 50% of the stand is in aspen, with conifers the remainder. Conifer content consists of a blend of white pine, red pine, jack pine and white spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-OI cover type.																																																		
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296	42110 - Planted Red Pine	Poletimber Well	9.1	43	201+	N/A	Stand machine planted in 1982. Stand overdue for first thinning. Boles average 3 sticks in merchantable height. Scattered white pine, black cherry, and aspen poles within stand.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
319	4130 - Aspen	Sapling Well	5.9	2		N/A	OPIC - FMD: Cut in 1983, the stand is transitioning to an A6 pole stand. It is fully stocked, with 1-2 stick poles over well stocked aspen saplings. 2016 - The hunter walking trail (HWT) in this stand (201) leading to an opening (stand 203) was gated to prevent vehicular access. 2017 - The HWT and opening (stand 203) were herbicided, disked, fertilized, and planted to rye. The intent is to continue a planting regime of rye until it is deemed acceptable to plant annual cover crops. (FTP # W-32-901) Cut in 2024 under Flushing Frog GEMS Sale, 32-009-22 (1).																																																												
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320	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.9	100	81-110	N/A	Thinned in 2020.OPIC - FMD: Cut permit #15-97-01 "Twin Porkies Sale" (unit 1 - 3) by K&K. logging in 1998. Good quality stand in most areas but about 1/3 of stand is red maple and poorer quality, but still OK for hardwood management. Some areas were left with a higher BA but most areas are 80-100 sq.ft. and no thinning is recommended at this time. Good regeneration in sugar maple areas getting up to 6 feet tall. 2015: Stand could almost be split into two different stands - south end contains higher ridge with very nice sugar maple logs, with some basswood, ironwood, birch and cherry. Some maple regeneration starting. Leatherwood also present here. North end (including Perrin Bros Road edge) transitions into slightly lower grounds with more mixed species; heavier fir/spruce component, some aspen, and lower quality maple. Ground cover changes to club moss, princess pine. Budworm evidence along road.																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>79</td><td></td><td>12</td><td>100</td></tr><tr><td>Basswood</td><td>1</td><td></td><td>15</td><td></td></tr><tr><td>Sugar Maple</td><td>20</td><td></td><td>12</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Low</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Wild Red Raspberry</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Quaking Aspen</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	79		12	100	Basswood	1		15		Sugar Maple	20		12		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	< 5 feet	< 5 feet	Balsam Fir	Low	Variable	Variable	Ironwood	Low	Variable	Variable	Wild Red Raspberry	Medium	< 5 feet	< 5 feet	Quaking Aspen	Low	Variable	Variable	White Spruce	Low	Variable	Variable	Sugar Maple	Medium	Variable	Variable	Black Cherry	Low	Variable	Variable	Red Maple	Medium	Variable	Variable
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323	6120 - Lowland Cedar	Poletimber Well	174.6	118	51-80	N/A	OPIC - FMD: CK 2000Very wet with varying levels of marketability. For the most part too wet to harvest and low merchantability. Very variable BA and patchy. Trace amount of log sized white pine and pole sized birch and red maple.																																																												
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324	6121 - Tamarack	Poletimber Well	10.8	41	81-110	N/A	Trace amount of birch, aspen and white pine.AREA CUT 1984 PERMIT NO. 24-82-1. (2024)																																																												
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325	42210 - Natural Red Pine	Sawtimber Well	5.0	91	81-110	N/A	Pine over aspen, fir and red maple. Understory cut in 2011. 2024. New pine stand.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
326	4130 - Aspen	Poletimber Well	6.5	32	81-110	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Quaking Aspen		80	Sapling	7	32	Sugar Maple		Low	Variable	Variable
White Pine		1		19		Paper Birch		Low	Variable	Variable
Paper Birch		5	Sapling	5		Ironwood		Medium	Variable	Variable
Balsam Poplar		10	Seedling	8		Red Maple		High	Variable	Variable
Balsam Fir		2	Seedling	6		Black Spruce		Trace	Variable	Variable
Black Cherry		2	Sapling	5		Balsam Fir		Medium	Variable	Variable
327	4130 - Aspen	Poletimber Well	7.2	34	81-110	N/A	Trace amount of tamarack, elm, paper birch and sugar maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Quaking Aspen		96	Sapling	6	34	Red Maple		Low	Variable	Variable
White Spruce		1	Seedling	8		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
Balsam Fir		3	Seedling	8		Balsam Fir		Low	Variable	Variable
328	6120 - Lowland Cedar	Poletimber Well	8.8	98	141-170	N/A	Primarily cedar stand next Wilson Creek. Stand transitions to upland on north edge. BA decreases in upland transition.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Quaking Aspen		1		10		Red Maple		Low	Variable	Variable
Yellow Birch		1		12		Black Spruce		Low	5 - 10 feet	5 - 10 feet
Black Ash		2	Seedling	9		Balsam Fir		Medium	>20 feet	>20 feet
Red Maple		3		11		Tag Alder		Low	5 - 10 feet	5 - 10 feet
Northern White Cedar		60		10	98					
Paper Birch		1		10						
Tamarack		2		10						
Black Spruce		20		9	67					
White Pine		10		14						
329	6122 - Black Spruce	Poletimber Well	46.0	78	81-110	N/A	Trace amount of large white spruce. Far south end is a little thinner with some blowdown. I did not observe any streams or buffers needed for any adjacent streams. (2025)			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Quaking Aspen		1		10		Balsam Fir		Medium	Variable	Variable
Northern White Cedar		10		9		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Tamarack		10	Seedling	7		Tamarack		Trace	Variable	Variable
Red Maple		5	Seedling	7		White Pine		Trace	Variable	Variable
Balsam Poplar		2		8		Red Maple		Low	Variable	Variable
Black Spruce		66	Seedling	7	78	Black Spruce		Low	Variable	Variable
Paper Birch		3		9						
White Pine		3		16						









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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																																			
352	3102 - Grass	None	3.5			Yes	Hunter walking trail developed in 2022 and cultivated again in 2023.																																																																																																			
353	6220 - Alder/Willow	None	74.2			No	Tag alder and willow. Contains Bryan Creek.																																																																																																			
354	330 - Low-Density Trees	None	2.9			Yes	OIPC-WLD: Maintain wildlife opening. Roller chop to discourage brush and saplings from encroachmentRest absorbed into surrounding stand.																																																																																																			
355	310 - Herbaceous Openland	None	1.3			Yes	Filling in with some BAM, cherry, fir, aspen and spruce. (2025)OPIC - FMD: Maintain wildlife opening. Roller-chop to discourage brush and saplings from encroachment. OI Stand Year Origin was																																																																																																			
356	4110 - Sugar Maple Association	Poletimber Well	3.7	105	81-110	N/A	Thinned in 2020.																																																																																																			
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Sugar Maple	96		9	105	Sugar Maple	High	< 5 feet	< 5 feet																																																																																																		
357	500 - Water	None	2.8			No	Small bog pond (2025)																																																																																																			
358	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	15.0	97	81-110	N/A	Balsam fir almost all dead. 75% canopy closure. Aspen, BAM, balsam fir falling out. (2025)																																																																																																			
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385	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	2.6	164	51-80	N/A	Red maple, tamarack, cedar, and spruce fir poles. Transitional to lowland with wet cedar and alder patches. Initial SBW.																																															
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386	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	1.7	164	51-80	N/A	Red maple, tamarack, cedar, and spruce fir poles. Transitional to lowland with wet cedar and alder patches. Initial SBW.																																															
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387	6120 - Lowland Cedar	Poletimber Well	9.6	121	201+	N/A	OPIC - FMD: SCA Formerly designated as potential old growth, this stand provides connectivity of the riparian zone with its associated wildlife/wetland values along the Big West Branch of the Escanaba River. 7/19/23: Updated to non-OI cover type.																																															
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388	4130 - Aspen	Poletimber Well	17.4	40	Unspecified	N/A	"North Branch Block" #027-83 - cut with adjacent compartment 56 ~ 1985. Trace amount of fir present. Some pockets of stem breakage; hypoxylon present. Stand is transitioning from saplings to poles.																																															
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389	6220 - Alder/Willow	None	15.8			No	Sparse trees mostly tag alder (2025)																																															





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
413	3102 - Grass	None	1.5			Yes	OPIC - FMD: Natural opening along Co Rd 438Managed opening: cultivated in 2016, 2017; mowed in 2018, 2019, 2020, 2021; cultivated in 2022, 2023, 2024.