



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32007

Entry Year: 2026

Acreage: 1,965

County: Marquette

Management Area: Menominee-Marquette

Stand Examiner: Sean Fischer

Legal Description:

T44N R23W Section(s) 2, 3, 10, 11, 14, 15

Identified Planning Goals:

To maintain the health and sustainability of the forest, while providing for recreational, wildlife and fisheries needs.

Soil and topography:

Level swamps and wetland drainages comprised of Carbondale, Tawas and Cathro-Ensley soils with pockets of upland flats and ridges, which are mainly Shoepac-Ensley, Nahama-Sundell, Shoepac-Trenary, and Shoepac-Reade soils.

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

Majority of State ownership is surrounded by a variety of private (both residential and seasonal) and industry lands.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Contains both Werner Creek and tributary, as well as N. Branch Deer Creek and another un-named creek/drainage. Potential for submergent and emergent marsh species in small lake and creeks: auricled tway-blade, autumnal water starwort, alternate-leaved water-milfoil, Farwell's water-milfoil, alga pondweed, small yellow water-lily, American shore-grass, linear-leaved gentian and veiny meadow-rue.

Watershed and Fisheries Considerations:

This compartment contains Werners Creek and several unnamed streams that serve as tributaries to Werners Creek. Werners Creek and the unnamed streams are designated Type 1 trout streams less than 50-ft wide that have a predicted mean July temperature of 65.8 °F (cold stream). 300-foot buffers are recommended for Werners Creek and the unnamed 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, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include Northern Hardwood, Aspen, and Mixed Lowland Conifer. This management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area. The most significant wildlife management issues in the management area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris, early successional forest, and deer wintering complexes.

The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Sections 2, 3, 10, 11, 14 & 15, T44N-R23W, Marquette County
Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. These formations are quarried for stone/dolomite in other areas of the State. The nearest gravel pit is located two miles to the southwest and potential appears to be good on upland areas. Abandoned iron mines are located ten miles to the west. This compartment has not been

leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Co Rd 444 and Co Rd 533 provide main access, with several seasonal trails. Some private road access has been granted in the past, but in more recent years, has become difficult as landowners change.

Survey Needs:

Some interior corners may be required, although previous harvest lines have been established and accepted.

Recreational Facilities and Opportunities:

No established recreation sites. Recreation is mainly for hunting purposes.

Fire Protection:

Mostly lowland grounds - very little fire potential.

Additional Compartment Information:

The following reports from the Inventory are attached:

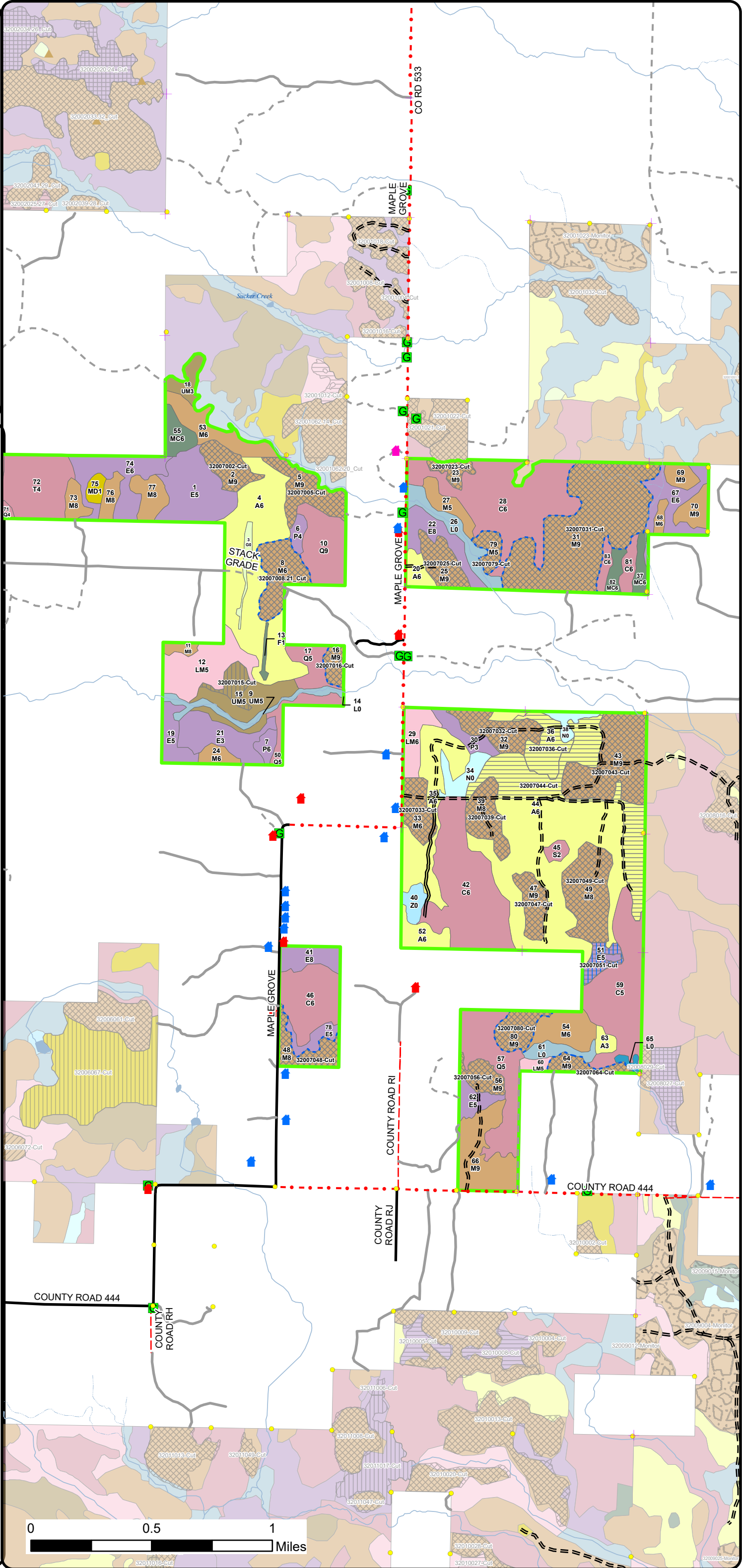
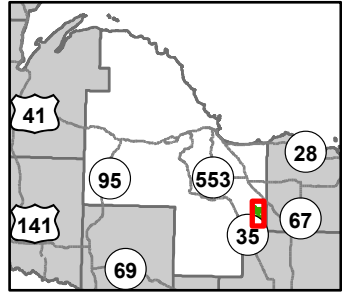
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

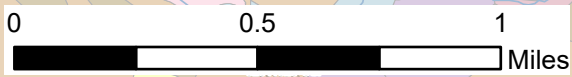
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Overview Map

Compartment: 32007
 T44N, R23W, Sec: 1-4, 10, 11, 14, 15
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Menominee-Marquette
 YOE: 2026
 Acres: 1964.6 GIS Calculated
 Examiner: Sean Fischer
 Map Revised: 10/04/2024
 Map Phase: Post Review

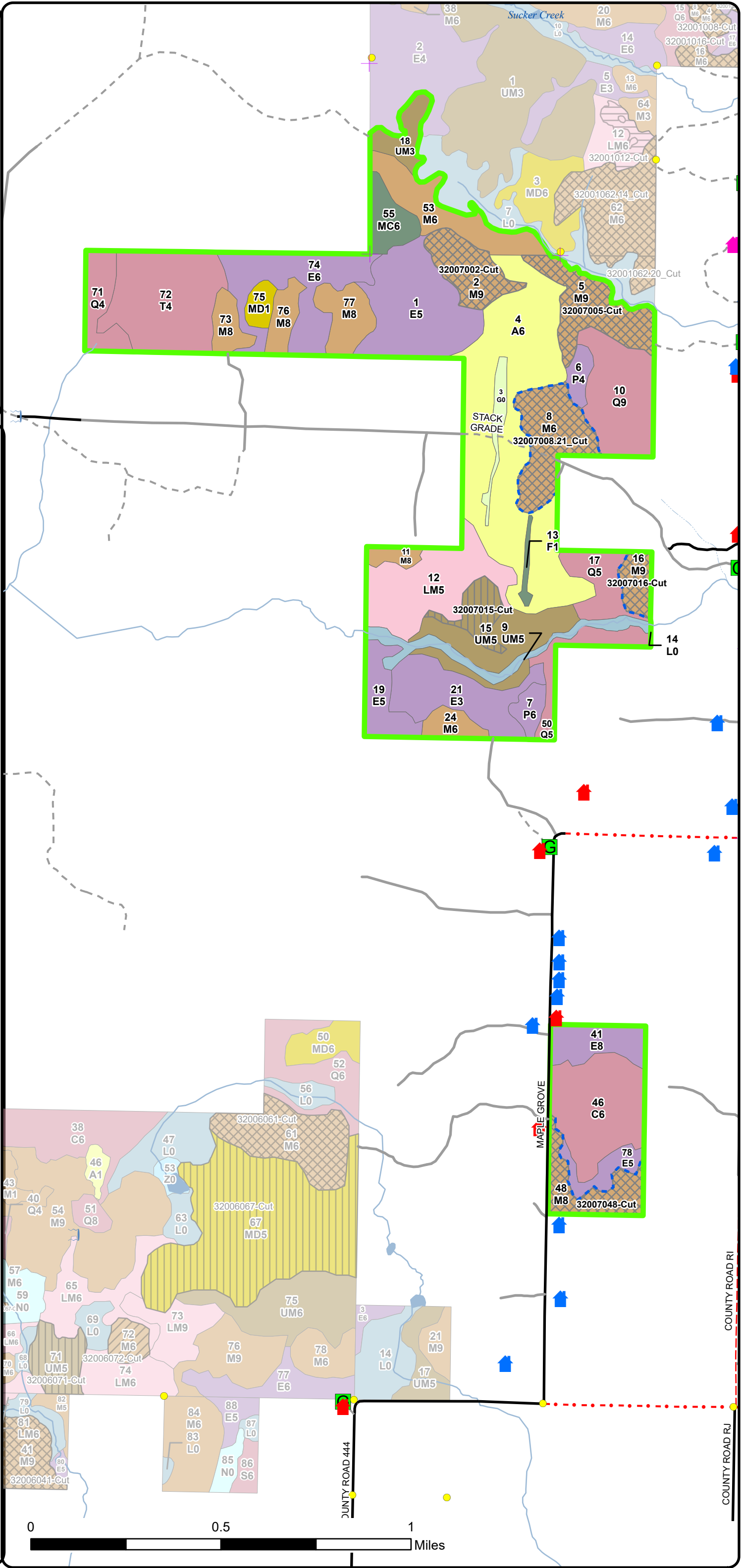
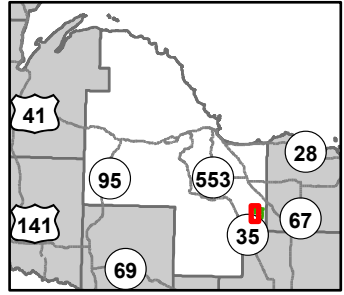


- ✚ Remonumented Section Corners
- Survey Grade Corners
- 🏠 Cabin
- 🏠 House
- 🏠 Structure, Seasonal Dwelling
- ▲ Berms
- ⓐ Gate
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- Private - Paved Road
- - - Private - Dirt / Gravel Road
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▭ Compartment Boundary
- ▭ Treatments with Site Conditions
- ▭ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- ▭ Seed Tree (w/Reserves)
- ▭ Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



Cover Type & Treatments Map

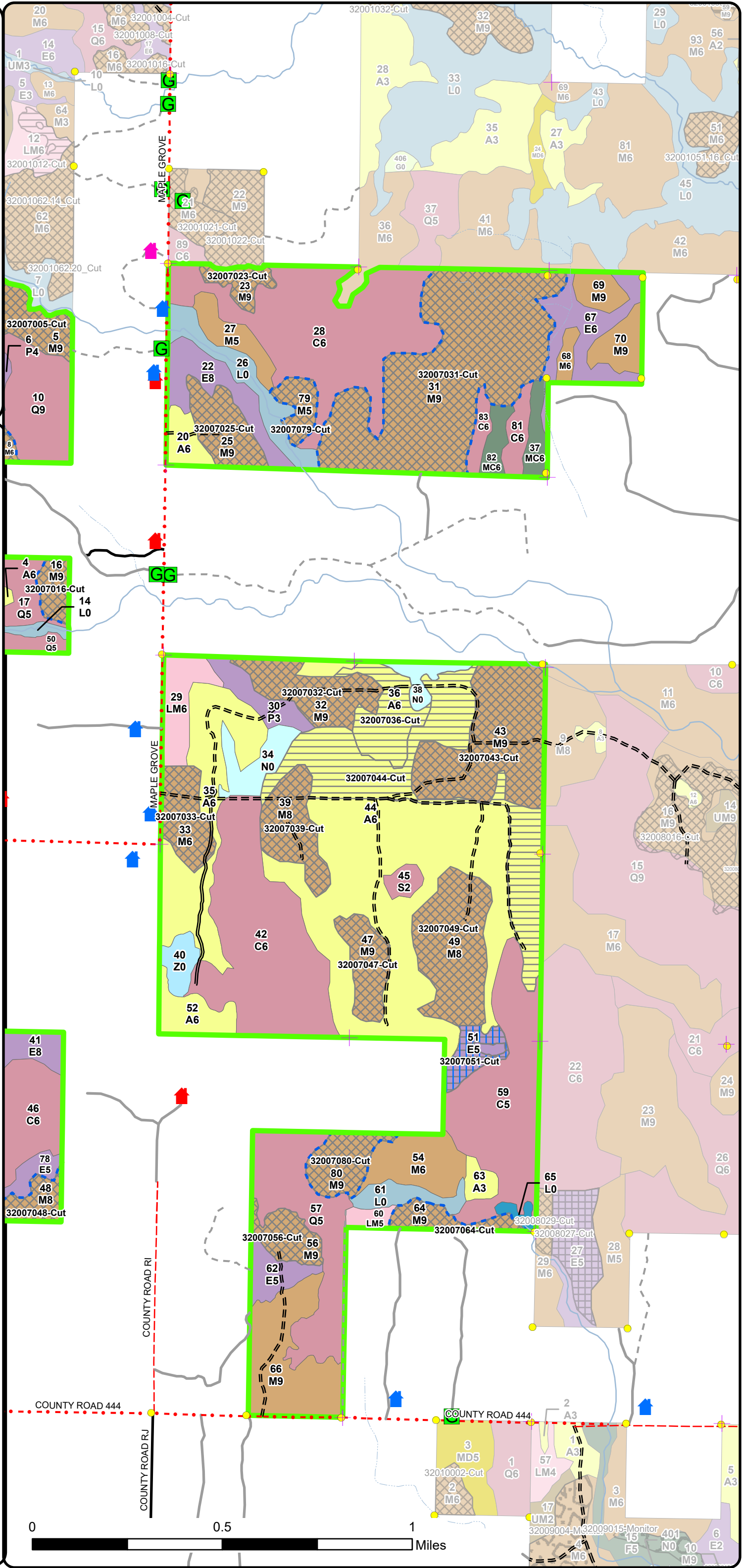
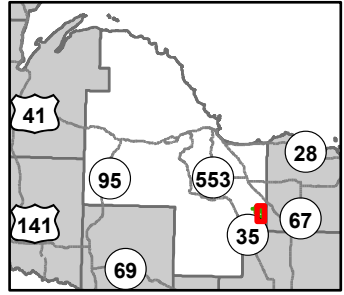
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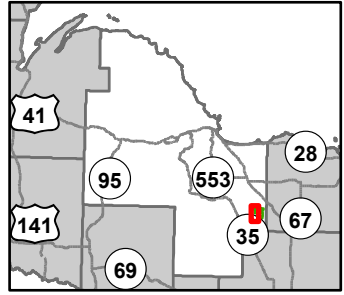
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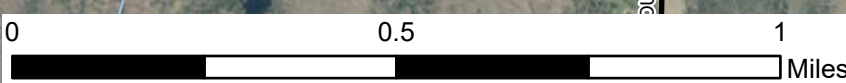
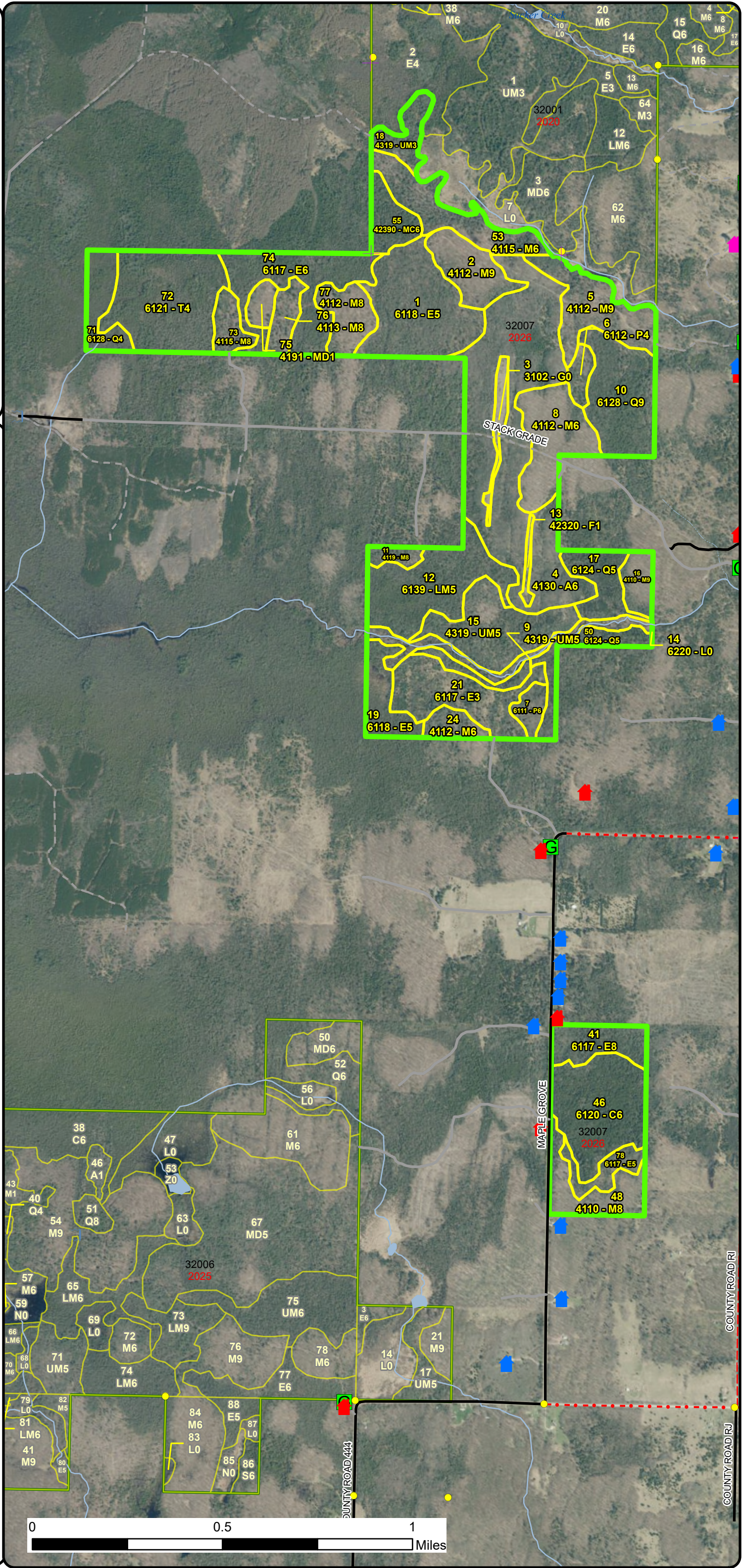
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Stand Boundary Map

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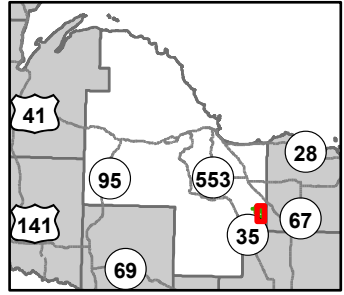


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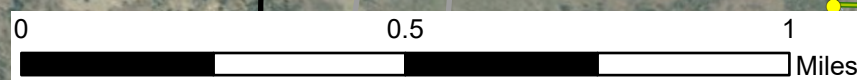
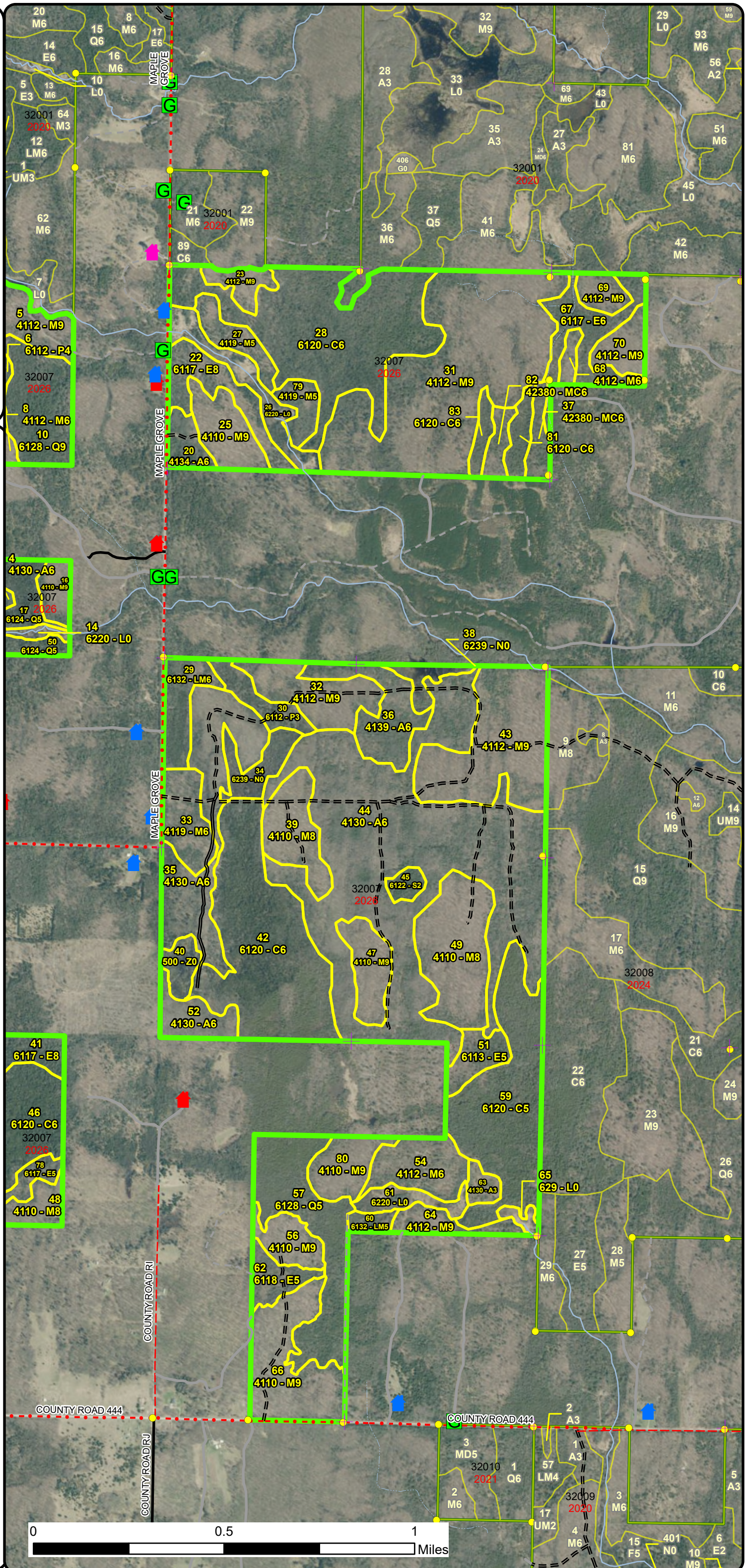


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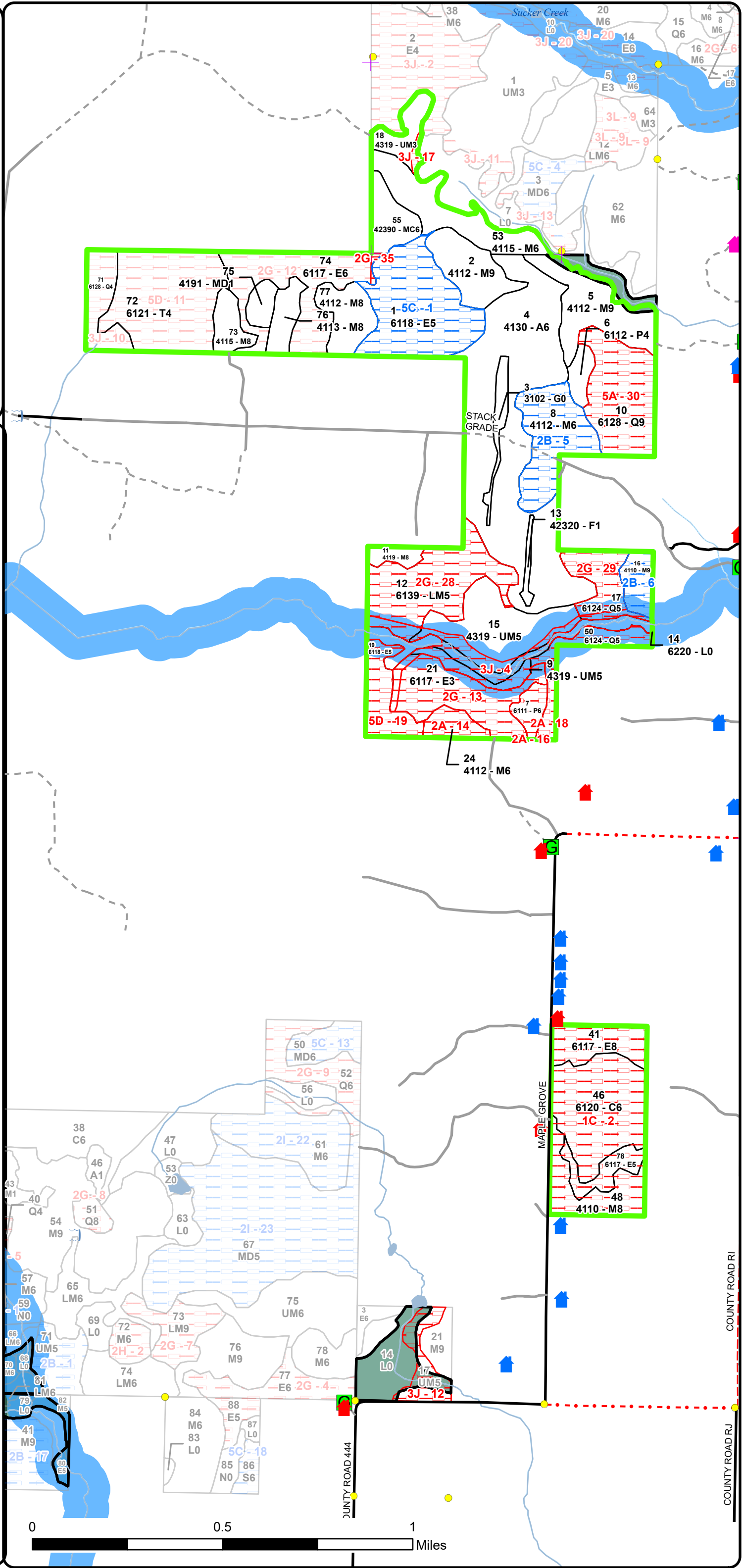
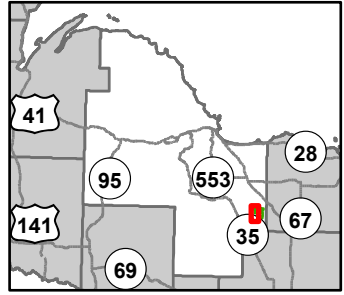


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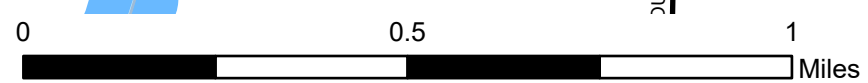


Special Conservation Areas & Site Conditions Map

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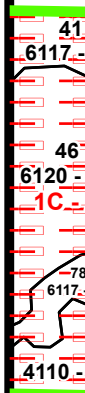
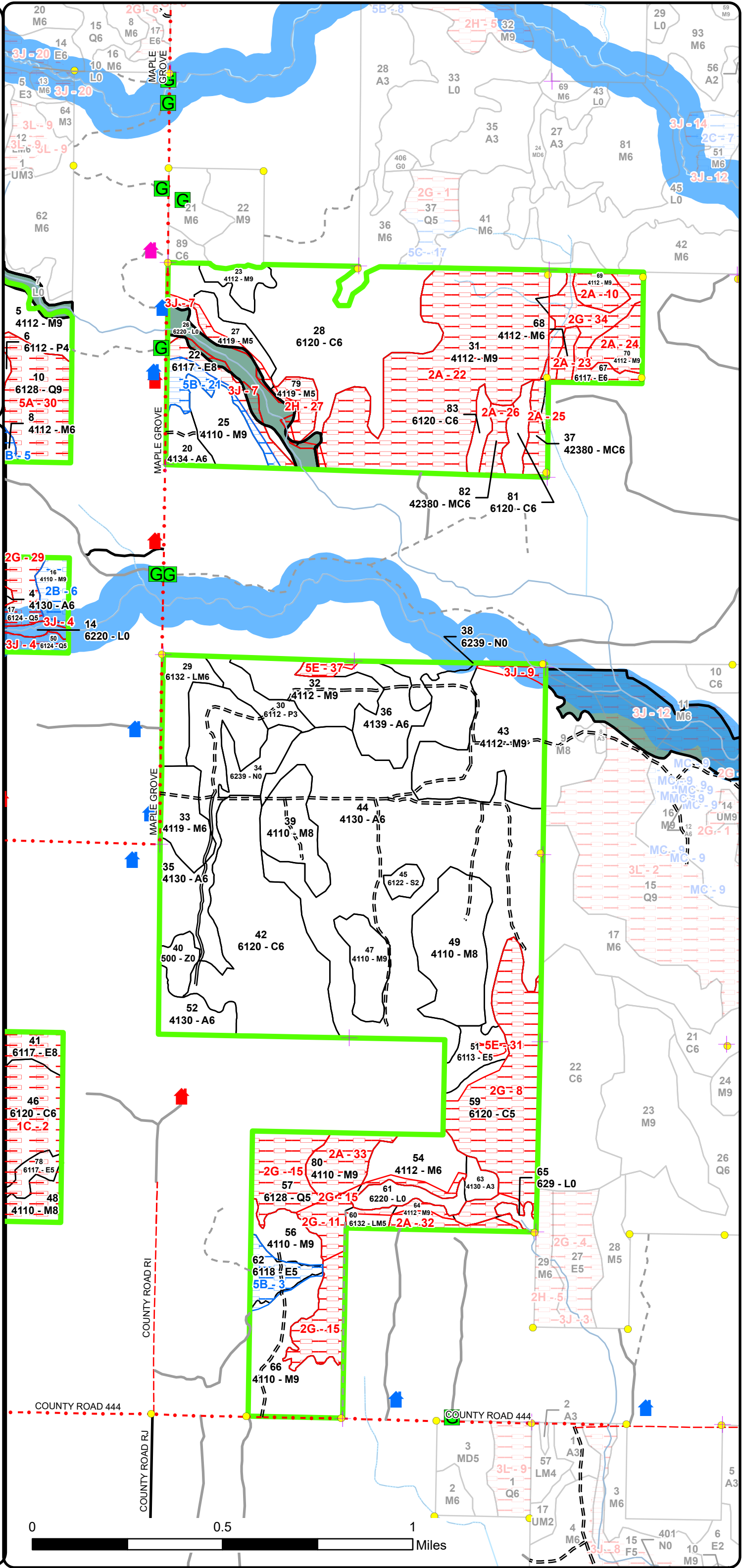
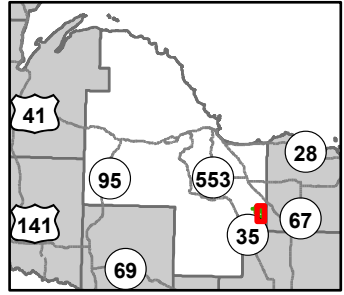


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- Lakes and Rivers
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/ practices
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5D: Unproductive Forest Land
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool



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- Perennial River
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 1C: Other dept or div proc/practices
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	5	0	110	297	0	0	0	0	0	0	0	0	0	0	0	0	412
Cedar	0	0	0	0	0	0	0	0	0	0	88	13	162	39	0	0	0	0	302
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Aspen/Balsam Poplar	0	0	0	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Conifers	0	0	0	0	0	0	0	0	0	27	81	13	0	0	0	0	0	0	120
Lowland Deciduous	0	0	0	29	0	0	0	0	0	44	63	26	14	0	0	0	0	34	209
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	20	38	0	0	0	0	0	58
Lowland Shrub	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Lowland Spruce/Fir	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	0	0	0	0	0	0	0	0	24	37	529	0	0	0	0	0	43	633
Tamarack	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	46
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	11	25
Upland Mixed Forest	0	0	0	0	10	0	0	0	0	0	0	37	0	0	0	0	0	0	47
Upland Spruce/Fir	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	77	0	12	40	120	312	0	0	0	95	315	652	214	39	0	0	0	88	1962



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 7

Total Compartment Acres: 1,965

Commercial Harvest - 375
 Harvests with Site Condition - 212
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	93	0	0	0	0	0	0	0	0	93
Lowland Deciduous	0	0	0	9	0	0	0	0	0	9
Northern Hardwood	0	474	0	0	0	0	0	0	0	474
Upland Mixed Forest	0	0	0	0	10	0	0	0	0	10
Total	93	474	0	9	10	0	0	0	0	587

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	587	0	0	0	0	0	0	0	0	587
Next Step	0	0	0	0	0	0	587	0	0	587
Total	587	0	0	0	0	0	587	0	0	1174



Stand	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:

2	32007002-Cut	17.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	104	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to 70-90 basal area, favoring retention of quality poles and small sawlog trees, wildlife quality cavity or large diameter trees, and off-species such as yellow birch, black cherry, oak, basswood, and white pine. Retain all cedar, hemlock. Mark 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any acceptable northern hardwood species already found in the canopy.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

5	32007005-Cut	25.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to cut. Target 50-70 BA. Use Northern Hardwood guidance. Release regen where possible. Retain most yellow birch, all hemlock, and all white pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern Hardwood.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u> Stand is best accessed from the east through private but can be accessed from the south through stand 4 and 8.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

15	32007015-Cut	10.2	4319 - Mixed Upland Forest	Poletimber Medium	105	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Target 30-40 BA residual. Leave all cedar, hemlock, and white pine. Leave most yellow birch. Mark additional leave trees to meet basal area.</p> <p><u>Specs:</u> There are a few very large maple that should be leave tree marked as well. Cut all maple, spruce, and balsam fir. Keep the treatment on the dryer ground. Treatment area may vary significantly due to difficult stand delineation. Buffer Werner Creek 300ft (cold water trout stream).</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any species currently found on site.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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16	32007016-Cut	8.0	4110 - Sugar Maple Association	Sawtimber Well	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Mark to 70-90 basal area, favoring retention of quality poles and small sawlog trees, wildlife quality cavity or large diameter trees, and off-species such as yellow birch, black cherry, oak, basswood, cedar, and hemlock. Mark 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any acceptable northern hardwood species already in the canopy

Regen:

Other Access via Terry Kanerva, Gregorovich, and Jon and Colleen Kuehl (see stand comments). Would need to skid stand out through Terry's property to Terry's land

Site Condition: Unknown Access

Proposed Start Date: 10/1 /2025

23	32007023-Cut	8.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large diameter trees, and off-species for diversity, such as yellow birch, basswood, oak, cedar, white pine, and black cherry. Retain all hemlock. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any acceptable northern hardwood species already existing in the canopy table, especially sugar maple, red maple, oak, basswood, yellow birch, cedar, white pine, hemlock, or black cherry.

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

25	32007025-Cut	18.4	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Mark to 70-90 basal area, favoring retention of quality poles and small sawlog trees, wildlife quality cavity or large diameter trees, and off-species such as yellow birch, black cherry, oak, basswood, and cedar. Retain all hemlock. Mark 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any northern hardwood species already found in the canopy table.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
31 32007031-Cut	124.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	104	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin to 70 - 90. Apply 1-2 canopy gaps per acre between 66-100ft in diameter. Retain most Yellow Birch as a seed source and wildlife food, future cavity trees. Favor healthy Black Cherry for retention and retain all Hemlock and Cedar. Favor retention of wildlife quality cavity trees and retain all legacy trees (>26" in diameter).</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any northern hardwood species already within the overstory canopy table.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u> Denied Access</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
32 32007032-Cut	25.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	103	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large diameter trees, and off-species for diversity, such as oak, cedar, hemlock, white pine, and black cherry. Retain all yellow birch and basswood. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any acceptable northern hardwood species already found in the canopy, especially red maple, sugar maple, basswood, yellow birch, hemlock, white pine, cedar, black cherry or oak.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
33 32007033-Cut	17.9	4119 - Mixed Northern Hardwoods	Poletimber Well	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> STS to 60-80 BA. Place 2 gaps per acre of 66'- 100' canopy diameter. Follow complete marker. Reserve all hemlock, ash, cedar, wildlife cavity trees, basswood, yellow birch, and oak. Reserve "wind firm" white spruce when possible.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any northern hardwood associated tree species, especially those existing in the stand canopy table.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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36	32007036-Cut	20.8	4139 - Aspen, Mixed Deciduous	Poletimber Well	43	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all stems 2 inches in diameter and larger. Except reserve all black cherry, hemlock, cedar, and yellow birch. Leave 4 to 5 grouse drumming logs of any species (an 8ft or greater section left lying on the ground, near the stump, 1-15 inches in diameter) in the stand. Treatment acreage may differ due to difficult stand delineation around wet ground or very sparsely timbered pockets within stand.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen spp., spruce, fir, balsam poplar, maple species

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

39	32007039-Cut	22.1	4110 - Sugar Maple Association	Sawtimber Medium	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large diameter trees, and off-species for diversity, such as oak, hemlock, white pine, and black cherry. Retain all cedar, yellow birch, and basswood. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any northern hardwood associated species already found in the canopy table, especially sugar maple, red maple, hemlock, basswood,

Regen: yellow birch, oak, cedar, white pine, or black cherry.

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

43	32007043-Cut	57.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	103	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large-diameter trees, and off-species trees for diversity, such as yellow birch, basswood, oak, cedar, hemlock, white pine, and black cherry. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any nhw associated species existing in the canopy table, especially sugar maple, red maple, basswood, yellow birch, cedar, hemlock, white pine, black cherry, or oak.

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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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44	32007044-Cut	72.5	4130 - Aspen	Poletimber Well	44	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all stems 2 inches in diameter and larger. Except reserve all black cherry, hemlock, cedar, and yellow birch. Leave 4 to 5 grouse drumming logs of any species (an 8ft or greater section left lying on the ground, near the stump, 1-15 inches in diameter) in the stand. Treatment acreage may differ due to difficult stand delineation around wet ground or very sparsely timbered pockets within stand.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, fir, spruce, yellow birch, cedar, hemlock, maple

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

47	32007047-Cut	16.1	4110 - Sugar Maple Association	Sawtimber Well	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large diameter trees, and off-species trees for diversity, such as oak, cedar, white pine, and black cherry. Retain all hemlock, yellow birch, and basswood. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any northern hardwood associated species already found in the canopy table, especially sugar maple, red maple, basswood, yellow birch, hemlock, cedar, white pine, oak, or black cherry.

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

48	32007048-Cut	17.6	4110 - Sugar Maple Association	Sawtimber Medium	97	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin to 70-90. Apply 1-2, 66'-100', canopy gaps per acre. Reserve all species which are under 5% of canopy in the overstory canopy table for wildlife. Mark according to the complete marker, while retaining large diameter and hollow, wildlife-quality, trees.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any northern hardwood species already present in the canopy table.

Regen:

Other

Comment:

Site Condition: Other Dept./Div. Processes

Proposed Start Date: 10/1 /2025

49	32007049-Cut	41.1	4110 - Sugar Maple Association	Sawtimber Medium	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to 70-90 BA, favoring retention of quality pole and small diameter sawlog trees, wildlife-quality cavity and large diameter trees, and off-species such as yellow birch, basswood, oak, hemlock, cedar, large white spruce, and cherry. Mark 1-2 canopy gaps per acre roughly 66-100' in diameter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any northern hardwood species already existing in the canopy table, especially sugar maple, red maple, basswood, oak, yellow birch, hemlock, cedar, and black cherry.

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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51	32007051-Cut	9.4	6113 - Lowland Maple	Poletimber Medium	105	111-140	Harvest	Seed Tree with Retention	613 - Lowland Mixed Forest	Two-Aged	No
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Prescription Cut all sugar maple, balsam fir, aspen, and red maple. Green tree 20 BA of the largest diameter red maple or sugar maple available, favoring retention of wildlife-quality cavity trees and large-diameter trees. Retain any legacy trees over 26in in diameter.
Specs:

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

Acceptable Regen: Any species currently in the canopy table, especially red maple, yellow birch, hemlock, basswood, cedar, or sugar maple.

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

56	32007056-Cut	12.4	4110 - Sugar Maple Association	Sawtimber Well	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large diameter trees, and off-species for diversity, such as yellow birch, basswood, oak, hemlock, and black cherry. Retain all cedar and white pine. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.
Specs:

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

Acceptable Regen: Any northern hardwood associated species already in the canopy table, especially sugar maple, red maple, basswood, yellow birch, white birch, oak, aspen, hemlock, black cherry, cedar, or white pine.

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

64	32007064-Cut	10.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	105	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large diameter trees, and off-species for diversity, such as yellow birch, basswood, oak, large white spruce, white pine, and black cherry. Retain all cedar and hemlock. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter. Treatment acreage may differ due to difficult delineation along northern border because of wet soils.
Specs:

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

Acceptable Regen: Any northern hardwood associated species already in the canopy table, especially sugar maple, red maple, basswood, oak, yellow birch, white birch, aspen, black cherry, hemlock, cedar, or white pine.

Other Comment: Winter harvest only. Seek access through southern private landowners.

Site Condition: Denied Access

Proposed Start Date: 10/1 /2025



Standard

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
79	32007079-Cut	8.8	4119 - Mixed Northern Hardwoods	Poletimber Medium	101	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin to 70-90. Create 1-2, 66'-100' canopy gaps per acre. Retain all cedar, hemlock, white pine, white spruce, black cherry, and any legacy trees (>26" in diameter). Favor retention of high-quality crop trees and wildlife quality trees (those with cavities or large diameter with significant rot). Follow Complete Marker guidelines. Treatment acreage may differ due to difficult stand delineation because of low wet ground within stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any northern hardwood species already in the canopy table.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Blocked by Obstacle</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
80	32007080-Cut	15.9	4110 - Sugar Maple Association	Sawtimber Well	105	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin to 70-90 BA following complete marker guidelines, favoring retention of quality pole-sized and small sawlog trees, wildlife-quality cavity and large diameter trees, and off-species for diversity, such as yellow birch, basswood, oak, cedar, hemlock, white pine, and black cherry. Create 1-2 canopy gaps per acre roughly 66-100' in canopy diameter.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any northern hardwood associated species already in the canopy table, especially sugar maple, red maple, basswood, yellow birch, white birch, aspen, oak, hemlock, cedar, or white pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Winter necessary for access. Culvert over L0 stand may need to be capped with material.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Denied Access</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

Approved Treatments:

8	32007008.21_Cut	27.5	4112 - Maple, Beech, Cherry Association	Poletimber Well	105	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 80-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry) - leave any cherry present. Look for opportunities to retain supercanopy YB and maple wildlife trees. Efforts can be made to try and regenerate these species also. Maintain species diversity. Do not cut any white pine. Create regeneration openings, where appropriate, and enhance existing regeneration areas.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> northern hardwoods</p> <p><u>Regen:</u></p> <p><u>Other</u> Will require private access. Old next step comments: Monitor for successful northern hardwood regeneration</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>											

Total Treatment Acreage Proposed: 586.9

Report 4 – Site Conditions

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Sean Fischer: Examiner

Compartment: 7
Year of Entry: 2026



Availability for Management

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

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions												
					2B	5B	5C	1C	2A	2G	2H	3J	5A	5D	5E	ed	
411	408	0	3	Aspen												3	
303	198	0	105	Cedar				39		65			1				
5	5	0	0	Herbaceous Openland													
22	16	0	6	Lowland Aspen/Balsam Poplar					6								
121	0	0	121	Lowland Conifers					4	61			23	33			
210	9	64	137	Lowland Deciduous		20	44	23	2	84			13		14	1	0
58	19	0	39	Lowland Mixed Forest						37			3				
45	40	0	5	Lowland Shrub									5				
4	4	0	0	Lowland Spruce/Fir													
19	19	0	0	Marsh													
5	5	0	0	Mixed Upland Deciduous						0							
633	387	36	210	Northern Hardwood	36	1		18	173	7	7	5					
46	0	0	46	Tamarack						0					46		
25	11	0	14	Upland Conifers					14								
47	34	0	13	Upland Mixed Forest									13				
2	2	0	0	Upland Spruce/Fir													
7	7	0	0	Water													
1,965	1,166	101	698	Total Forested Acres	36	21	44	80	199	253	7	62	33	60	5	0	
	59%	5%	36%	Relative Percent													

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Not much regeneration and no real volume to harvest.- Changed SC from 5B to 5C at last inventory. Delay treatment until next inventory.							

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2	Unavailable	1C: Other dept or div proc/practices	80	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	31	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Riparian zone; also requires PVT access. Mainly sparse timber.							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: So far unsuccessful at obtaining landowner access (9/22/16).							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access blocked by water and private parcels. Terry Kanerva 906-630-9000 said he would provide access depending on the logger. Other landowners Tom Gregorovich 906-250-6904 and Jon and Coleen Kuehl 616-930-0381 said they would be potentially interested in providing access							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wet soils, aquatic herbaceous vegetation seen indicating year-round saturation.							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2A: Adjacent landowner denied access	8	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: 2024, David and Linda Neil 231-342-7958 denied access on Stack Grade, other landowners (L&L Resorts 414 517-4922, Baggioire 906-204-6654, Lyme) were ok to provide access							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Removed SC from the area in the south portion of stand 59. The entire area should not be covered with 3J.							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2017- Fir is predominantly in the understory in this portion of the stand.							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments: Harold Strasler 906-630-5474 denied access through his property to the south, 2024							

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14	Unavailable	2A: Adjacent landowner denied access	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Harold Strasler 906-630-5474 denied access through his property to the south, 2024							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2A: Adjacent landowner denied access	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Harold Strasler 906-630-5474 denied access through his property to the south, 2024							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2A: Adjacent landowner denied access	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5D: Unproductive Forest Land	14	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							

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20	Unspecified	Unspecified	0				
Comments:							
21	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Consider release of established regeneration at next inventory.							
22	Unavailable	2A: Adjacent landowner denied access	122	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments: 2024, David and Linda Neil 231-342-7958 denied access on Stack Grade, other landowners (L&L Resorts 414 517-4922, Baggioire 906-204-6654, Lyme) were ok to provide access, and Jared Christensen 906-869-0814 denied access via the north over dispute about gate on state land (wetter access thru compartment to north, road needed). Look at new road access and bridge over creek in stand 26 via existing road through aspen and nhw's in SW corner of comp.							
23	Unavailable	2A: Adjacent landowner denied access	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2024, David and Linda Neil 231-342-7958 denied access on Stack Grade, other landowners (L&L Resorts 414 517-4922, Baggioire 906-204-6654, Lyme) were ok to provide access							
24	Unavailable	2A: Adjacent landowner denied access	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2024, David and Linda Neil 231-342-7958 denied access on Stack Grade, other landowners (L&L Resorts 414 517-4922, Baggioire 906-204-6654, Lyme) were ok to provide access							
25	Unavailable	2A: Adjacent landowner denied access	9	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments: 2024, David and Linda Neil 231-342-7958 denied access on Stack Grade, other landowners (L&L Resorts 414 517-4922, Baggioire 906-204-6654, Lyme) were ok to provide access, and Jared Christensen 906-869-0814 denied access via the north over dispute about gate on state land (wetter access thru compartment to north, road needed).							

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26	Unavailable	2A: Adjacent landowner denied access	6	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments: 2024, David and Linda Neil 231-342-7958 denied access on Stack Grade, other landowners (L&L Resorts 414 517-4922, Baggioire 906-204-6654, Lyme) were ok to provide access, and Jared Christensen 906-869-0814 denied access via the north over dispute about gate on state land (wetter access thru compartment to north, road needed).							
27	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	2E: Road needed	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
Comments: Nearest road is in compartment to the north, very long skid out to the north. Multiple ash swales make road construction very difficult. Werner Crk blocks access from the west, look at new road access over creek.							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5A: Not able to obtain desirable regeneration	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is mostly hemlock and cedar with lack of hemlock and cedar regeneration in the understory.							
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Sean Fischer: Examiner

Compartment: 7
Year of Entry: 2026



32	Unavailable	2A: Adjacent landowner denied access	7	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: David Ziegler, landowner to the south, denied access through his road 313-574-6611. Access through county road to southeast is too wet. Access from north is cut off on private property by creek							
33	Unavailable	2A: Adjacent landowner denied access	16	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2E: Road needed	Unspecified	Unspecified
Comments: David Ziegler, landowner to the south, denied access through his road 313-574-6611. Access through county road to southeast is too wet. Access from north is cut off on private property by creek. Access through stand 56, 57, 80, and 54 would need a winter road built through a very wet swamp in st57, need a very good winter to make it possible							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	3J: Water quality / BMPs (stream, river, or lake)			
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1				
Comments: Aquic soils.							
37	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6118 - Lowland Deciduous with Cedar	Poletimber Medium	44.3	89	51-80	N/A	Fairly open stand with component of large, low quality yellow birch. Upland fringe is heavier balsam fir saplings.																																																															
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2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.7	104	111-140	N/A	"Stack Grade East" sale #035-00 (unit 4) - select cut Sept, 2002. Higher grounds with larger sawtimber and heavy maple regeneration dropping off into more of a pole stand, with less maple and more conifer regeneration. Noted a few dead hemlock snags.																																																																															
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3	3102 - Grass	Nonstocked	5.4			No	W32-419: cleared 7/1991 and seeded 7/1992.																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																					
4	4130 - Aspen	Poletimber Well	100.9	35	111-140	N/A	"Cooper Camp Block" #002-88 - final harvest summer, 1988 and 1989. Additional negotiated cut (#012-87-2) between grass and hardwood types - cut summer, 1987; all part of same stand. Western portion of stand drops into lowland aspen with more tagalder, cedar and spruce/fir - stand density not as high. Higher fir density, in places. North part of stand has lowland bands of tag alder within.																																																																																					
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6	6112 - Lowland Aspen	Poletimber Poor	5.1	21	Immature	N/A	"Stack Grade East" #035-00 (unit 1) - cut Sept, 2002. 2024 - Some residual cedar and hemlock that were not cut in 2002. The rest of the stand is stocked with aspen and red maple mostly.																																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	6111 - Lowland Balsam Poplar	Poletimber Well	5.6	25	51-80	N/A	"Werner Creek II" sale (unit 5,6) #002-96 - cut August, 1998. With residual cedar, hemlock, maple. SF 2024: Split out balsam poplar stand from stand 21 (st 21 also cut in "Werner Creek II" sale, #002-96). Balm stand is considerably more productive than st21, most of which is flooded.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	67	Pole	6	25	Black Ash	High	< 5 feet	Sapling
White Spruce	1	Pole/Sapling	6		Tag Alder	High	10 - 20 feet	Tall Shrub
Quaking Aspen	1	Sapling	3	25	Red Maple	Medium	< 5 feet	Sapling
Balsam Fir	10	Pole/Sapling	5	25	White Pine	Low	5 - 10 feet	Sapling
Yellow Birch	1	Sapling/Pole	2		Balsam Fir	Low	Variable	Sapling
Black Ash	5	Sapling/Pole	3	25	Sedges	High	Unspecified	Non-Wood
Red Maple	1	Pole	5		White Spruce	Low	Variable	Sapling
Hemlock	1	Log/Pole	10					
Sugar Maple	1	Sapling	2					
Northern White Cedar	10	Pole/Log	8					
Paper Birch	1	Sapling	3					
Black Cherry	1	Sapling	2					

8	4112 - Maple, Beech, Cherry Association	Poletimber Well	27.5	105	81-110	N/A	"Stack Grade East" #035-00 (unit 3) - select cut July, 2001. Also cut under #015-87-2 (removed aspen only) - cut Fall, 1987. Small wedge of low density fir/spruce and white pine, otherwise, no conifer component. Cherry with black knot. Some leatherwood.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	58	Pole/Log	9	105	Ironwood	Full	Variable	Sapling
White Pine	2	Log/XLog	16		Maple (spp.)	Low	< 5 feet	Seeding
Red Maple	30	Pole/Log	9	105	Maple (spp.)	Low	>20 feet	Sapling
Yellow Birch	5	Log/Pole	14		Balsam Fir	Low	Variable	Sapling
Black Cherry	5	Log/Pole	14		White Spruce	Low	5 - 10 feet	Sapling
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9	4319 - Mixed Upland Forest	Poletimber Medium	5.4	105	81-110	N/A	"Werner Creek II" sale #002-96 - select and shelterwood cut summer, 1998. Low quality hardwood; some slightly higher grounds with larger maple, cherry (select cut), otherwise pole stand with heavy fir component and some low ash pockets (shelterwood cut). 2024 - Low quality maple. Heavy balsam in the understory. Stand should be managed in and even aged system.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	10	105	Maple (spp.)	Low	>20 feet	Sapling
Ironwood	2	Sapling/Pole	4		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Yellow Birch	3	Pole/Log	9		Balsam Fir	Full	Variable	Sapling
Balsam Fir	25	Sapling/Pole	4		Yellow Birch	Low	>20 feet	Sapling
White Spruce	5	Log/Pole	10		Ironwood	Medium	Variable	Sapling
Northern White Cedar	5	Pole/Log	8					
Black Ash	2	Pole	6					
Hemlock	10	Log/Pole	12					
Sugar Maple	8	Pole/Sap/Log	8	105				
Black Cherry	10	Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 32.9 93 81-110 N/A

Small portion of stand cut under #035-00 "Stack Grade East" (unit 5) - Sept-Oct, 2002. Remainder of stand transitions into fairly nice stand of hemlock with a trace of regeneration present. Cedar component becomes more of a subcanopy species with red maple, yellow birch stems mainly wildlife quality. The west end of the stand is very wet and more of a lowland ash mix with standing water.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	10	Log/Pole/XLog	14	
Black Spruce	3	Pole	7	
Balsam Fir	2	Pole	6	
Northern White Cedar	20	Pole/Sap/Log	7	
Black Ash	10	Pole/Sapling	5	
Red Maple	10	Pole/Sap/Log	8	
Hemlock	40	Log/Pole/XLog	11	93

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling
Yellow Birch	Low	>20 feet	Sapling
Black Ash	Medium	>20 feet	Sapling
Tag Alder	Low	10 - 20 feet	Tall Shrub
American Elm	Low	>20 feet	Sapling
Hemlock	Low	5 - 10 feet	Seeding

11 4119 - Mixed Northern Hardwoods Sawtimber Medium 4.3 105 51-80 N/A

"Werner Creek II" sale #002-96 (unit 1) - select cut summer, 1998.

2024 - small hardwood stand with. Some larger trees. Wet around the edges. Quite a bit of hemlock and cedar in the stand. Basal area 70-80.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	15	Log	13	
Sugar Maple	45	Log/Pole	12	105
Northern White Cedar	5	Log/Pole	10	
White Spruce	5	Pole	8	
Balsam Fir	5	Pole	6	
Red Maple	25	Log/Pole	10	

12 6139 - Mixed Lowland Forest Poletimber Medium 38.2 114 N/A

Mix of lowland hardwoods with cedar, hemlock, fir and spruce. Lots of flowing water in the stand. Canopy closure is variable.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	30	Pole	6	114
Red Maple	25	Pole	7	
Black Ash	30	Pole	5	
Northern White Cedar	15	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash	Low	Variable	Sapling

13 42320 - Upland Spruce Sapling Poor 2.2 15 1-50 N/A

W32-419: cleared 7/1991 and seeded 7/1992.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	80	Sapling/Pole	4	15
Balsam Fir	20	Sapling/Pole	4	

14 6220 - Alder/willow Nonstocked 13.7 Unspecified No

Corridor along and containing Werner Creek.

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	High		Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
15	4319 - Mixed Upland Forest	Poletimber Medium	31.8	105	81-110	N/A	"Werner Creek II" sale #002-96 - select and shelterwood cut summer, 1998. Low quality hardwood; some slightly higher grounds with larger maple, cherry (select cut), otherwise pole stand with heavy fir component and some low ash pockets (shelterwood cut).2024 - Low quality maple. Heavy balsam in the understory. Stand should be managed in and even aged system.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		5	Pole/Log	8		Maple (spp.)	Low	>20 feet	Sapling
White Spruce		5	Log/Pole	10		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Hemlock		10	Log/Pole	12		Ironwood	Medium	Variable	Sapling
Black Ash		2	Pole	6		Yellow Birch	Low	>20 feet	Sapling
Yellow Birch		3	Pole/Log	9		Balsam Fir	Full	Variable	Sapling
Balsam Fir		25	Sapling/Pole	4					
Red Maple		30	Log/Pole	10	105				
Ironwood		2	Sapling/Pole	4					
Sugar Maple		8	Pole/Sap/Log	8	105				
Black Cherry		10	Log	10					
16	4110 - Sugar Maple Association	Sawtimber Well	8.0	105	81-110	N/A	"Werner Creek II" sale #002-96 (unit 3) - select cut July, 1998. Wildlife quality yellow birch, black cherry (split, forked) left with some larger maple - still more of a small log/pole stand, though. Heavier advanced regeneration in the northern third of stand (10-20' hts), but regeneration less visible further south (and browsed). Part of a larger hardwood type which continues onto private lands. Stand is fringed with fir along low ground edges, otherwise not much interior conifers.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		3	Pole/Log	9		Balsam Fir	Low	< 5 feet	Sapling
Yellow Birch		5	Log	16		Ironwood	Low	Variable	Sapling
Black Cherry		2	Log	14		Sugar Maple	Medium	10 - 20 feet	Sapling
Sugar Maple		90	Log/Pole/XLog	10	105	Sugar Maple	Low	< 5 feet	Seeding
17	6124 - Lowland Spruce-Fir	Poletimber Medium	14.3	80	51-80	N/A	Some flagging/dead balsam fir. SF 2024: Stand is very wet with flowing water through portions of stand. BA is low, and timber is small and marginal.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		10	Pole	6		Tag Alder	Medium	Variable	Tall Shrub
Northern White Cedar		7	Pole	8		Black Ash	Low	>20 feet	Sapling
Red Maple		10	Pole	6		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Black Ash		5	Sapling/Pole	3		Yellow Birch	Low	10 - 20 feet	Sapling
White Spruce		10	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
Balsam Poplar		10	Pole	8					
Balsam Fir		40	Pole/Log/Sap	7	80				
Quaking Aspen		5	Log/Pole	14					
White Pine		3	Log/XLog	18					
18	4319 - Mixed Upland Forest	Sapling Well	9.9	38	1-50	N/A	Fir and red maple saplings with scattered hemlock and red maple poles. High knobs with lowland marsh areas.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		43	Sapling/Pole	3	38	Balsam Fir	High	10 - 20 feet	Sapling
Red Maple		43	Pole/Sapling	5	38				
Hemlock		10	Log/Pole/XLog	14	96				
Yellow Birch		2	Sapling/Pole	4					
Northern White Cedar		2	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19	6118 - Lowland Deciduous with Cedar	Poletimber Medium	13.9	114	51-80	N/A	Beaver flooding within. Last inventory indicated 80 - 100BA ; heavier to cedar, with red maple, yellow birch, paper birch, black ash and balsam fir.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	25	Pole	6	114
Red Maple	25	Pole/Sapling	6	
Balsam Fir	14	Sapling/Pole	3	
Black Spruce	1	Pole	7	114
Black Ash	25	Pole/Sapling	5	
Yellow Birch	10	Pole/Log	9	114

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Ash	Full	10 - 20 feet	Sapling

20	4134 - Aspen, Spruce/Fir	Poletimber Well	8.7	37	81-110	N/A	Unit 1 of "533 Hardwood" #021-86 - cut summer, 1987. Roadside low ground left uncut, which contains more cedar, fir/spruce, maple, yellow birch and balsam poplar. Heavy fir understory present. Bands of ash swales exist in stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	8	Pole	7	
Northern White Cedar	5	Pole/Log	9	
Yellow Birch	2	Pole	8	
Quaking Aspen	50	Pole	7	37
White Spruce	5	Pole	9	
Red Maple	5	Pole	7	
Black Cherry	2	Pole/Sapling	5	
Balsam Fir	18	Pole/Sapling	6	
Hemlock	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Balsam Poplar	Medium	10 - 20 feet	Sapling

21	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	29.1	25	Immature	N/A	"Werner Creek II" sale (unit 5,6) #002-96 - cut August, 1998. With residual cedar, hemlock, maple. Areas of cattails, native fragmites?SF 2024: Stand is highly variable and most of it is not regenerating well. Most of the stand was flooded during May inventory. Some portions are flooded tag alder and sedge from beaver activity, others wet unproductive black ash, and interior there are small dry knobs where quality red maple and balsam fir and aspen saplings grow with hemlock.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	15	Sapling	3	25
Balsam Fir	5	Pole/Sapling	5	25
White Spruce	5	Pole/Sapling	6	
Red Maple	2	Pole	5	
White Pine	2	XLog	18	
Quaking Aspen	15	Sapling	3	25
Black Cherry	3	Sapling	2	
Yellow Birch	2	Sapling/Pole	2	
Hemlock	5	Log/Pole	10	
Paper Birch	2	Sapling	3	
Black Ash	30	Sapling/Pole	3	25
Sugar Maple	2	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	High	< 5 feet	Sapling
Tag Alder	High	10 - 20 feet	Tall Shrub
Red Maple	Medium	< 5 feet	Sapling
Balsam Fir	Low	Variable	Sapling
White Pine	Low	5 - 10 feet	Sapling
White Spruce	Low	Variable	Sapling
Sedges	High	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
22	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	20.2	98	51-80	N/A	part of Unit 3 "K-2 Block" sale #001-06 - cut Sept, 2008 and "533 Hardwood" #021-86 - cut 1988. Rolling terrain, mixing high and low grounds. Some of the higher knobs contain better maple, less fir/hemlock. SF 2024: Stand maintains low BA (60-90) after last harvest. Saplings are recruiting into the canopy, with balsam fir, red maple, sugar maple, black cherry, and spruce growing well. Maple quality is poor.																																																																	
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23	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.0	98	81-110	N/A	Unit 1 of "K - 2 Block" sale #001-06 - select cut Sept, 2008. Stand is primarily pole-sized maple with large diameter yellow birch with full canopy/crowns. Regeneration gaps created. Trace cedar along stand edges. SF 2024: Good regeneration of maples and cherry, especially in canopy gaps. Some saplings recruiting into the canopy. Stand shows good quality maple logs, and okay to good quality poles.																																																																	
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24	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.8	105	81-110	N/A	"Werner Creek II" sale #002-96 (unit 4) - select cut August, 1998. Trace amount of conifers with some large diameter maple. Mostly a small pole stand. Little new maple regeneration visible yet.SF 2024: Stand is an okay quality maple pole stand heavier to red maple. Not much quality maple regeneration in the understory. Canopy is closed. Some okay quality maple log trees in the stand.																																																																	
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25	4110 - Sugar Maple Association	Sawtimber Well	18.4	100	111-140	N/A	Unit 3 of "K-2 Block" sale #001-06 - select cut 2008. Also cut under "533 Hardwood" #021-86 in 1988. Conifers mainly along stand edges. Potential for quality, although numerous defects are still present within stand (forks, seams, cankers, bore damage). SF 2024: Stand is high quality log size sugar maple, with great sugar maple regeneration. Smaller diameter poles are poor quality, and likely the same age as larger trees.																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																	
26	6220 - Alder/willow	Nonstocked	19.2		Unspecified	No	Cattails and tagalder with scattered timber. Contains creek/drainage which is tributary to Werners Creek.																	
								Sub-Canopy Species	Density	Avg. Height	Size													
								Tag Alder	High	10 - 20 feet	Tall Shrub													
								Northern White Cedar	Low		Pole													
								Cattail spp.	Medium	Unspecified	Non-Wood													
								Mixed Grasses	Full	Unspecified	Non-Wood													
								White Pine	Trace	>20 feet	Log													
Balsam Fir	Trace	>20 feet	Sapling																					
27	4119 - Mixed Northern Hardwoods	Poletimber Medium	11.4	101	51-80	N/A	Unit 2 "K - 2 Block" sale #001-96 - cut Sept, 2008 and also "533 Hardwood" #021-86 - thinned 1988. Some uprooted trees noted. Heavier fir regeneration than adjacent hardwood stand. SF 2024: Stand is upland, but crosses multiple wet swales. Stand was thinned heavily in the past, resulting in good red maple and sugar maple regeneration, with some saplings recruiting into the canopy. Basal area is still low after the last treatment, averaging about 80. Maple logs are okay quality, and maple poles are poor quality. Southmost portion of stand (9 acres) not treated with the rest of the stand due to poor access, split off into its own stand during 2024 inventory.																	
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size								
								Red Maple	53	Pole/Log	9	101	Red Maple	High	5 - 10 feet	Sapling								
								Yellow Birch	10	Log/XLog	16		Balsam Fir	High	Variable	Sapling								
								White Spruce	3	Log	12		Sugar Maple	High	5 - 10 feet	Sapling								
								White Pine	2	XLog	20		Black Cherry	Medium	5 - 10 feet	Sapling								
								Balsam Fir	3	Pole/Sapling	6													
								Sugar Maple	20	Pole/Log	8	101												
								Black Cherry	2	Log	16													
								Hemlock	5	Log	14													
								Northern White Cedar	2	Pole	9													
								28	6120 - Lowland Cedar	Poletimber Well	95.3	112	81-110	N/A	Some portions heavier to deciduous (maple, ash, yellow birch), especially at hardwood transitions (small knob, sub 1 acre, in NW corner cut with adjacent pre-inv stand 23). Some dead balsam fir noted (previous budworm kill). SF 2024: Stand is lowground throughout, with small areas of upland.									
																Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
																White Spruce	10	Log/Pole	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
																Northern White Cedar	68	Pole	9	112	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	4	Pole/Sapling	6																					
White Pine	2	Log	16																					
Hemlock	4	Log/Pole	12																					
Yellow Birch	3	Log/Pole	9	103																				
Quaking Aspen	2	Log	14																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29 6132 - Mixed Lowland Forest with Cedar Poletimber Well 16.0 106 81-110 N/A

Permit #007-84-2 - cut larger timber in 1986, mainly higher spots in the North (with more maple). Less than 3 acre pocket of small diameter poor quality northern hardwoods in stand NE corner.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole/Sapling	6	38	Balsam Poplar	Medium	10 - 20 feet	Sapling
Balsam Poplar	5	Pole/Log	8		Balsam Fir	High	Variable	Sapling
Northern White Cedar	30	Pole/Log	9	106				
White Spruce	5	Log/Pole	12					
Hemlock	10	Log	10					
Quaking Aspen	2	Pole	7	38				
Yellow Birch	8	Log/Pole	13					
Red Maple	15	Pole/Log	8	106				
Black Ash	15	Pole	5					

30 6112 - Lowland Aspen Sapling Well 11.1 43 51-80 N/A

Permit #006-72A - cut early 80's. Wet site. Trace amount of elm noted.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6	43	White Spruce	Medium	Variable	Sapling
Balsam Poplar	20	Sapling	2		Balsam Fir	Full	Variable	Sapling
Quaking Aspen	22	Pole	7	43	Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	15	Sapling/Pole	4	43				
White Spruce	10	Sapling/Pole	3					
Yellow Birch	6	Pole/Sapling	5					
Black Ash	2	Sapling/Pole	4					
Red Maple	13	Sapling/Pole	4	43				
Northern White Cedar	2	Pole	5					
Black Cherry	5	Sapling/Pole	4					

31 4112 - Maple, Beech, Cherry Association Sawtimber Well 124.4 104 111-140 N/A

"Sucker Creek Hardwood" #003-96 - select cut Sept, 1999. W. lobe of stand also cut under #021-86 "533 Hardwood" around 1990. A few legacy yellow birch, maple within. Includes some wet, low swale areas, which are heavier to hemlock, spruce, red maple, yellow birch - very wet springtime conditions. Intermittent drainage runs through north end. Maple regeneration is thick and thin; areas with only 2' seedlings and other portions with 3 - 10' seedlings. Black knot noted on cherry regen. Ground cover of spring beauties, club moss, trout lily noted.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	7	Pole/Log	8		White Pine	Low	< 5 feet	Seeding
White Spruce	2	Log	12		Black Cherry	Medium	< 5 feet	Seeding
Black Cherry	8	Log/XLog	14		Ironwood	Low	10 - 20 feet	Sapling
Black Ash	2	Pole/Sap/Log	5		Balsam Fir	Medium	Variable	Sapling
Sugar Maple	67	Log/Pole/XLog	12	104	White Spruce	Low	Variable	Sapling
Quaking Aspen	2	Log	16		Maple (spp.)	High	Variable	Sapling
Red Maple	8	Log/Pole/XLog	10	104	Black Spruce	Low	Variable	Seeding
Hemlock	2	Log/Pole/XLog	14		Hemlock	Low	10 - 20 feet	Sapling
Northern White Cedar	2	Pole/Log	9					

2024, SF: Previous inventory description confirmed. Canopy gaps created during previous entry show great hard maple regeneration over 15ft tall.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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32	4112 - Maple, Beech, Cherry Association	Sawtimber Well	25.1	103	81-110	N/A	Unit 2 "Lane's Corner Hardwood" #019-86 - select cut winter 1989-90. Heavy defects. Some legacy maple within. SF 2024: Most saplings are suppressed and of poor quality, some areas have high amount of ironwood in the understory. Portions of stand at 60-80 BA, other portions over 120. Quality is also variable, with main body of stand showing some high quality sugar maple logs.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	2	Pole/Log	8	
Red Maple	23	Log/Pole	10	
Yellow Birch	3	Pole/Log	9	
Sugar Maple	70	Log/Pole	11	103
Basswood	2	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling
White Spruce	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Ironwood	High	>20 feet	Sapling

33	4119 - Mixed Northern Hardwoods	Poletimber Well	17.9	105	81-110	N/A	Permit #006-81 - select cut summer, 1981. Fairly low quality; red maple with seams, forks - some dead. Sugar maple is overall smaller diameter, with some larger diameter, and contains borer damage. Fingers of lower ground within with more ash, fir. Trace amount of cedar, black cherry noted. Edges of stand adjoining aspen type contain more paper birch, yellow birch and cherry regeneration.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole/Sapling	6	43
Quaking Aspen	4	Pole/Log	8	
White Spruce	4	Log/Pole	12	
Red Maple	10	Log/Pole	12	105
Hemlock	4	Log/Pole	11	
Yellow Birch	2	Pole/Log	8	
Sugar Maple	65	Pole/Log	8	105
Black Ash	4	Pole/Log/Sap	8	
Basswood	2	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	>20 feet	Sapling
Sugar Maple	Medium	>20 feet	Sapling
Yellow Birch	Low	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Black Cherry	Low	Variable	Sapling

34	6239 - Mixed Emergent Wetland	Nonstocked	12.3			No	Contains dead cedar. Pockets of small diameter black ash exist. Flooded from beaver activity on main E/W road.
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Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low		Seeding
Balsam Poplar	Trace		Sapling
Balsam Fir	Low		Sapling
Tag Alder	Medium		Tall Shrub
Black Ash	Medium	>20 feet	Sapling
Cattail spp.	Medium		Non-Wood
Willow spp.	Medium		Tall Shrub
Northern White Cedar	Low		Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35	4130 - Aspen	Poletimber Well	50.6	45	81-110	N/A	Permit #006-72A - cut 1979 -1982. Some sparse pockets. Hypoxylon within stand; some dead stems. Good quantity of yellow birch noted. North end heavier aspen.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Sugar Maple	2	Pole	8		Red Maple	Medium	>20 feet	Sapling
	Balsam Fir	2	Pole/Sapling	5		Yellow Birch	Medium	>20 feet	Sapling
	Red Maple	11	Pole/Sapling	6		Black Ash	Medium	>20 feet	Sapling
	Black Cherry	5	Sapling/Pole	4		Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub
	Yellow Birch	3	Sapling/Pole	4		Black Cherry	Low	>20 feet	Sapling
	Paper Birch	3	Pole/Sapling	5		Balsam Fir	Medium	10 - 20 feet	Sapling
	Quaking Aspen	50	Pole/Log	9	45				
	Balsam Poplar	10	Pole	8					
	Bigtooth Aspen	10	Pole/Log	9	45				
	American Elm	2	Pole	6					
	White Spruce	2	Sapling/Pole	4					

36	4139 - Aspen, Mixed Deciduous	Poletimber Well	24.1	43	81-110	N/A	Permit #006-72A - Winter cut 1978 - 1980. Semi-open stand, in places; wet ground. Ground cover of trout lily, spring beauties noted. Stand is variable, with some small areas heavier to even aged hardwoods.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Poplar	20	Pole	6	43	White Spruce	Medium	Variable	Sapling
	Quaking Aspen	45	Pole	9	43	Balsam Fir	Medium	Variable	Sapling
	Balsam Fir	10	Pole/Sapling	5					
	White Spruce	5	Sapling	4					
	Black Cherry	5	Pole/Sapling	5					
	Red Maple	5	Pole	7	43				
	Yellow Birch	10	Pole	6					

37	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	7.5	102	111-140	N/A	Low ridges with hemlock patches and narrow swales with small ash, cedar, and yellow birch pole-sized timber. Trace amount of black cherry noted. Intermittent stream in the north separates this stand from the northern hardwood stand to the north.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Spruce	2	Log	14		Balsam Fir	High	Variable	Sapling
	Hemlock	30	Log	16	102	Hemlock	Trace	< 5 feet	Sapling
	White Pine	5	XLog/Log	18		Maple (spp.)	Medium	>20 feet	Sapling
	Red Maple	20	Log/Pole	13					
	Balsam Fir	5	Pole	8					
	Yellow Birch	15	Log/Pole	13					

38	6239 - Mixed Emergent Wetland	Nonstocked	6.8			No	Pond. Beaver activity - timber flooding and cutting of aspen.
	Sub-Canopy Species	Density	Avg. Height	Size			
	Balsam Fir	Medium		Sapling			
	Quaking Aspen	Medium		Pole			
	Balsam Poplar	Low		Sapling			
	Willow spp.	Low	5 - 10 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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39	4110 - Sugar Maple Association	Sawtimber Medium	22.1	105	81-110	N/A	Unit 1 "Section 11 Hardwood" #202-07 - select cut Jan, 2008. Also cut under "Lane's Corner Hardwood" #019-86 (unit 3) - winter, 1989-90. Mainly pole stand, but some larger diameter, wildlife quality trees - old remnant basswood, yellow birch noted. Not seeing much maple regeneration, only ironwood; south end and old road edges do have a slightly higher sugar maple regeneration component. SF 2024: Stand is a good quality hard maple sawtimber stand. High amount of good maple regeneration in understory, with some ironwood as well.
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Canopy Species	% Cover	Size Class	DBH	Age
Basswood	4	Log/Pole/XLog	16	
White Spruce	2	Log	14	
Red Maple	8	Log/Pole	12	105
Yellow Birch	3	Pole/Log	9	
Balsam Fir	2	Pole	5	
Sugar Maple	75	Log/Pole	11	105
Black Cherry	2	Log	12	
Northern White Cedar	2	Pole/Log	9	
Paper Birch	2	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	5 - 10 feet	Sapling
White Spruce	Low	Variable	Sapling
Ironwood	Medium	10 - 20 feet	Sapling

40	500 - Water	Nonstocked	7.5			No	SF 2024: Beaver activity has created a pond with a mix of cattails, tag alder, sedge grass, and snags.
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Sub-Canopy Species	Density	Avg. Height	Size
Willow spp.	Medium		Tall Shrub
Sedges	Medium	Unspecified	Non-Wood
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	Low		Sapling
Cattail spp.	Medium	Unspecified	Non-Wood

41	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	14.8	109	81-110	N/A	Cut under permit #32/75A "533 Block". Slightly higher ground with more maple, hemlock. Contains some larger ash, dead yellow birch, blowdown timber, especially on wetter grounds. SF 2024: Stand is mostly lowland, with a small part of low-quality upland maple and hemlock in the northeast portion. Low portions heavier to black ash, cedar, and yellow birch.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Log/Pole	10	109
Yellow Birch	8	Log/Pole	11	
White Spruce	2	Pole/Log	9	
White Pine	2	XLog	20	
Balsam Fir	6	Pole	7	48
Black Ash	25	Pole/Sap/Log	7	
Hemlock	10	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Yellow Birch	Low	>20 feet	Sapling
Black Ash	Medium	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling

42	6120 - Lowland Cedar	Poletimber Well	87.8	91	51-80	N/A	Some cutting under permit #006-72A noted in file. Scattered dead standing balsam fir (age and budworm). Larger diameter cedar along stand edges grading into smaller interior sizes. Low site index. SF 2024: Much of stand is a wet swale with very small timber and tag alder. Some small interior areas (less than 5 acres) of higher ground with red maple and aspen noted.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Pole	8	
Northern White Cedar	60	Pole/Log/Sap	8	91
Balsam Fir	10	Pole/Sapling	6	
Balsam Poplar	10	Pole/Log	8	
Black Ash	5	Pole/Sapling	6	
Red Maple	2	Pole/Sapling	7	
Black Cherry	1	Pole/Sapling	6	
Yellow Birch	7	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	>20 feet	Sapling
Yellow Birch	Low	>20 feet	Sapling
Paper Birch	Low	>20 feet	Sapling
Tag Alder	Medium	Variable	Tall Shrub
Balsam Fir	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
43	4112 - Maple, Beech, Cherry Association	Sawtimber Well	57.1	103	111-140	N/A	Unit 2 - 4 "Section 11 Hardwood" #202-07 - cut Feb-March, 2009 and Unit 1 "Lane's Corner Hardwood" #019-86 cut winter 1989-90. FTP W32-708: underplant hemlock, Spring 2009. High amount of free to grow sugar maple and ironwood saplings in understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		65	Log/Pole	12	103	Yellow Birch		Low	>20 feet	Sapling
Red Maple		15	Log	12		White Spruce		Low	Variable	Sapling
Basswood		5	Log/XLog	13		Maple (spp.)		Medium	Variable	Sapling
Yellow Birch		3	Pole/Log	9		Ironwood		Medium	5 - 10 feet	Sapling
Paper Birch		2	Pole	5		Balsam Fir		Low	Variable	Sapling
Balsam Fir		2	Pole/Sapling	5						
Black Cherry		5	Log	14						
White Spruce		3	Log	15						
44	4130 - Aspen	Poletimber Well	209.1	44	81-110	N/A	Permit #006-72A - cut winter months 1978 - 1982. Some smaller interior stems (4-5" dbh average) and open spots with slightly heavier balsam fir. Hypoxylon present and some dead stems; quite a bit of breakage. Yellow birch regeneration, especially along hardwood edges. Trace amount of cedar present.SF 2024: Aspen stand is growing well, with a small amount of self-thinning occurring. Red maple, sugar maple, and black cherry poles are coming up well underneath the aspen in spots. Wet pockets and wet swales exist throughout the stand. Stand is variable, with small patches of even aged hardwood.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		13	Pole	9	44	Yellow Birch		Medium	>20 feet	Sapling
Balsam Poplar		5	Pole/Log	9	44	Black Ash		Low	10 - 20 feet	Sapling
Balsam Fir		5	Pole	7		Black Cherry		Low	Variable	Sapling
Red Maple		5	Pole/Sapling	6	44	Ironwood		Low	Variable	Sapling
Black Cherry		5	Pole/Sapling	6	44	Sugar Maple		Medium	10 - 20 feet	Sapling
Yellow Birch		2	Sapling	4	44	Red Maple		Medium	>20 feet	Sapling
Sugar Maple		5	Pole	6	44	Balsam Fir		Medium	Variable	Sapling
White Spruce		2	Pole/Log	8						
Paper Birch		3	Pole	5	44					
Quaking Aspen		55	Pole	9	44					
45	6122 - Black Spruce	Sapling Medium	4.3	45	1-50	N/A	Lowland conifer depression within aspen type. Stand was cut with adjacent aspen stand. Trace amount of poles.SF 2024: Growing spruce stand. Some 3-4 inch saplings transitioning into poles on edges, with center wetter with only spruce and fir saplings. Sphagnum moss understory with trace amount of red maple saplings.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		50	Sapling/Pole	3	45	Tag Alder		High	10 - 20 feet	Tall Shrub
Balsam Fir		50	Sapling/Pole	3	45	Sphagnum Moss		Full	Unspecified	Non-Wood
46	6120 - Lowland Cedar	Poletimber Well	39.2	123	171-200	N/A	Thick cedar interior with occasional tamarack, yellow birch and ash pockets. Dead balsam fir. Some uprooting. Birch, balsam poplar regeneration mainly noted along road edges.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Spruce		2	Log	10		Black Ash		Medium	10 - 20 feet	Sapling
Northern White Cedar		80	Pole/Log	6	123	Tag Alder		Low	5 - 10 feet	Tall Shrub
Tamarack		6	Pole/Log	9		Balsam Poplar		Low	10 - 20 feet	Sapling
Black Ash		5	Sapling/Pole	4		Northern White Cedar		Low	5 - 10 feet	Sapling
Yellow Birch		5	Log/XLog	16		Balsam Fir		Medium	5 - 10 feet	Sapling
Balsam Fir		2	Pole/Sapling	5		Paper Birch		Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47	4110 - Sugar Maple Association	Sawtimber Well	16.1	105	81-110	N/A	Unit 5 "Section 11 Hardwood" #202-07 - cut Feb-March, 2009. Also cut as Unit 4 "Lane's Corner Hardwood" #019-86 - cut winter 1989-90 (with poor winter conditions noted prior to harvest). SF 2024: Stand is a quality hard maple log and pole stand. Good amount of sugar maple saplings in patches. Ironwood has a medium presence in understory. Mostly upland.
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Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	2	Log	13	
Black Cherry	2	Log	16	
Basswood	1	Log/XLog	17	
Quaking Aspen	2	Pole/Sapling	6	
Red Maple	5	Log/Pole	10	
Black Ash	2	Log/Pole	10	
Yellow Birch	3	Log/XLog	16	
Sugar Maple	83	Log/Pole	11	105

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Low	>20 feet	Sapling
Sugar Maple	Medium	5 - 10 feet	Sapling
Ironwood	Medium	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling

48	4110 - Sugar Maple Association	Sawtimber Medium	17.6	97	111-140	N/A	Narrow ridge of higher ground with larger diameter maple. Select cut under permit #32/75A - Feb, 1976 and "Mayward's Camp Hardwood" (unit 5) - cut Nov-Dec, 1997. Several maple wildlife quality snag trees.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	2	Pole	9	
Hemlock	2	Pole/Log	9	
Yellow Birch	4	Log/Pole/XLog	16	
Red Maple	2	Pole	9	
White Spruce	2	Pole/Log	8	
Basswood	20	Log/XLog/Pole	14	
Sugar Maple	64	Log/Pole	11	97
Balsam Fir	4	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Ironwood	Low	>20 feet	Sapling
Maple (spp.)	High	Variable	Sapling
Yellow Birch	Low	>20 feet	Sapling

49	4110 - Sugar Maple Association	Sawtimber Medium	41.1	105	81-110	N/A	Unit 6,7 "Section 11 Hardwood" #202-07 - select cut Feb-March, 2009 and also Unit 5 "Lane's Corner Hardwood" #019-86 cut winter 1989-90. SF 2024: High amount of ironwood saplings in the understory excluding other sapling regeneration. Many sugar maple seedlings c.3ft height.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2	Pole/Sapling	6	
White Spruce	2	Log	14	
Sugar Maple	81	Log/Pole/XLog	12	105
Red Maple	10	Log/Pole	12	
Basswood	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Sugar Maple	Full	< 5 feet	Sapling
Ironwood	Full	10 - 20 feet	Sapling
White Spruce	Low	5 - 10 feet	Sapling

50	6124 - Lowland Spruce-Fir	Poletimber Medium	12.2	80	51-80	N/A	Some flagging/dead balsam fir. Fairly sparse stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	10	Pole	8	
Quaking Aspen	5	Log/Pole	14	
White Spruce	10	Log/Pole	10	
Balsam Fir	40	Pole/Log/Sap	7	80
Black Spruce	10	Pole	6	
Northern White Cedar	7	Pole	8	
White Pine	3	Log/XLog	18	
Red Maple	10	Pole	6	
Black Ash	5	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Yellow Birch	Low	10 - 20 feet	Sapling
Black Ash	Low	>20 feet	Sapling
Tag Alder	Medium	Variable	Tall Shrub
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																						
51	6113 - Lowland Maple	Poletimber Medium	10.7	105	111-140	N/A	S. portion of Unit 7 "Section 11 Hardwood" #202-07 - cut March, 2009. More aspen mixed within; some lowland grounds also. Small opening along private line.																																																																																						
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52	4130 - Aspen	Poletimber Well	13.1	45	81-110	N/A	Permit #006-72A - cut 1979 -1982. Some sparse pockets. Hypoxylon within stand; some dead stems. Good quantity of yellow birch noted. North end heavier aspen.																																																																																						
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53	4115 - Y.Birch, Hemlock NH	Poletimber Well	24.4	86	81-110	N/A	Poor quality red maple and hemlock ridge. Lower patches and historic rutting in the old roads and skid trails. Softer ground around the exterior edges. Average of 100 BA. Stand is in the RMZ of a type 1 trout stream under 50ft wide which feeds into the Werner Creek.																																																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54	4112 - Maple, Beech, Cherry Association	Poletimber Well	21.4	105	51-80	N/A	"Five Spot Block" #005-96 (unit 4,5) - shelterwood cut Feb, 2000. Some 3 - 5' regeneration just visible at snow level. East portion (across drainage within stand) harvested under permit #003-06 "Pole Line Sale" (Unit 2) - cut Feb-March, 2010.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Hemlock		2	Log	10	105	White Spruce		Low	5 - 10 feet	Seeding
Balsam Fir		2	Sapling	2	24	Balsam Fir		Medium	5 - 10 feet	Sapling
Northern White Cedar		1	Pole	7		Red Maple		High	Variable	Sapling
Sugar Maple		27	Pole	6	24	Hemlock		Low	Variable	Sapling
Yellow Birch		8	Pole	7		Sugar Maple		Medium	Variable	Sapling
Red Maple		60	Pole	7	105					

55	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	11.2	38	51-80	N/A	Very mixed age classes. Majority of volume is 32 years old including dense saplings/small poles of cedar, fir, and black spruce. There are also remnant trees of all species around 90 years old with ages in between. With the small component of overstory spruce/fir, this stand should be left to transition to a longer rotation lowland conifer. Any harvest activity now would ruin more regeneration than it would be worth. Main road is flooded and grown in with black spruce saplings, moss, and alder. OPIC - FMD: STD SEL CUT 1982-1986, # 1-82-1. COULD BE CUT THIS TP, BUT WAIT 10 YEARS AND CUT WITH STANDS 4,6,34,66, TO MAKE IT WORTH WHILE. When the stand was cut in 1986, all the fir, spruce, and cedar was cut, and only the hardwood and hemlock over 16 inches at stump height was cut, so now it is unevenaged.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		1	XLog	26		Balsam Fir		High	10 - 20 feet	Sapling
Black Spruce		20	Pole/Sapling	5	38	Northern White Cedar		Medium	10 - 20 feet	Sapling
Hemlock		19	Log/Pole	12	96	Black Spruce		Medium	10 - 20 feet	Sapling
Yellow Birch		5	Pole/Sap/Log	6						
Red Maple		15	Sapling/Pole	3						
Northern White Cedar		20	Pole/Sap/Log	5						
Balsam Fir		20	Sapling/Pole	3	38					

56	4110 - Sugar Maple Association	Sawtimber Well	12.4	105	81-110	N/A	"Five Spot Block" #005-96 (unit 3) - select cut Feb, 1998. Also cut under permit #4/76 - summer, 1976 (mainly select cut elm). Conifers mainly along stand edges with smaller diameter hardwoods too.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		85	Log/Pole/XLog	12	105	Sugar Maple		Medium	Variable	Sapling
Red Maple		5	Log/Pole	11		Balsam Fir		Low	10 - 20 feet	Sapling
Hemlock		3	Log	14		Ironwood		Medium	10 - 20 feet	Sapling
Northern White Cedar		2	Log	10		Leatherwood		Low	< 5 feet	Tall Shrub
Yellow Birch		5	Log	14		Sugar Maple		High	< 5 feet	Seeding



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 48.3 93 81-110 N/A Overmature aspen with heavier poles of cedar, hemlock. Stand is very wet. Fairly open underneath. Further north, stand becomes more ash saplings with cedar poles/saplings.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole/Sapling	6	
Black Cherry	2	Pole	8	
Black Spruce	5	Pole	7	
Tamarack	4	Log	10	
Red Maple	12	Pole/Log	7	
White Pine	2	XLog	18	
Northern White Cedar	30	Pole/Sap/Log	9	93
White Spruce	2	Log	16	
Quaking Aspen	9	Log	14	93
Black Ash	5	Sapling/Pole	3	
Yellow Birch	2	XLog/Log	18	
Hemlock	22	Pole/Log/Sap	9	93

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	>20 feet	Sapling
Hemlock	Low	>20 feet	Sapling
Black Ash	High	>20 feet	Sapling
Yellow Birch	Low	>20 feet	Sapling
Red Maple	Low	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling

59 6120 - Lowland Cedar Poletimber Medium 67.4 111 111-140 N/A Small portion within section 11 cut winter, 1981 under permit #006-72/A. N. Branch Deer Creek runs through stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole	8	
Black Ash	20	Pole/Sapling	5	
White Spruce	2	Log	14	
Northern White Cedar	55	Pole/Log	9	111
Paper Birch	2	Log	10	
Balsam Fir	10	Pole/Sapling	7	
Hemlock	2	Log/Pole	10	
Balsam Poplar	5	Pole/Log/Sap	6	
Yellow Birch	2	Log/Pole	12	

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

60 6132 - Mixed Lowland Forest with Cedar Poletimber Medium 4.0 102 81-110 N/A Stand mainly cedar, hemlock and mixed deciduous. Stand appears to have been harvested between 2000-2010.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	2	Pole	6	
White Pine	2	XLog	18	
Northern White Cedar	25	Pole/Sapling	7	102
Quaking Aspen	5	Log	12	
White Spruce	2	Log	10	
Balsam Fir	4	Pole/Sapling	5	
Yellow Birch	5	Log/Pole	10	
Black Ash	10	Sapling/Pole	4	
Red Maple	30	Pole/Log	9	102
Hemlock	15	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	10 - 20 feet	Tall Shrub
Black Ash	Medium	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

SF 2024: Stand is very wet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																										
61	6220 - Alder/willow	Nonstocked	9.1			No	Contains feeder of N. Branch Deer Creek																																																																																										
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62	6118 - Lowland Deciduous with Cedar	Poletimber Medium	10.4	105	141-170	N/A	"Five Spot Block" #005-96 (unit 2) - shelterwood cut Jan, 1998. Also cut under permit #4/76 - summer, 1976 (mainly elm). Lower grounds than adjacent hardwood stands - heavier conifers and intermittent drainage (which feeds into cedar type to the east). Black ash is deteriorating from emerald ash borer.																																																																																										
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White Spruce	2	Pole/Log	8		Sugar Maple	Low	>20 feet	Sapling																																																																																									
Hemlock	9	Pole/Log	9		White Pine	Low	5 - 10 feet	Sapling																																																																																									
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Black Ash	20	Pole	9	105																																																																																													
63	4130 - Aspen	Sapling Well	4.8	14	Immature	N/A	Harvested as 'Pole Line Sale' #003-06 (unit 3) - cut Feb, 2010. Left any residual cedar, hemlock and pine present.																																																																																										
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64	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.0	105	111-140	N/A	"Pole Line Sale" #003-06 (unit 1) - cut March, 2009 and Feb, 2010. Access issues.																																																																																										
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Sugar Maple	45	Log	12	105																																																																																													
65	629 - Mixed non-forested wetland	Nonstocked	2.8			No	contains N. Branch Deer Creek																																																																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66	4110 - Sugar Maple Association	Sawtimber Well	39.7	102	81-110	N/A	Sale #32-005-96 - select cut summer, 1999. Also sale #32-004/76 (north end) cut summer, 1976 removing mainly elm. Cut under permit #32-029/75 (south 40) cut winter 1975-76. Stand entered for individual tree selection harvest in 2017 under contract #32-018-16. Stand contains scattered larger diameter maple (18-24"). Stand has future quality timber potential, Very little conifer component. SF 2024: BA is 90-100. Many large canopy gap openings throughout the stand. Great sugar maple and red maple regeneration within gap openings, in closed canopy areas there is less regeneration.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Basswood	5	Log	14			Sugar Maple	Medium	< 5 feet	Seeding
	Balsam Fir	2	Pole/Sapling	5			Balsam Fir	Low	Variable	Sapling
	Sugar Maple	85	Log/Pole/XLog	13	102		Ironwood	Medium	5 - 10 feet	Sapling
	Red Maple	3	Pole/Log	9			Leatherwood	Low	< 5 feet	Tall Shrub
	Yellow Birch	2	Log	14			Sugar Maple	Medium	10 - 20 feet	Sapling
	Ironwood	3	Pole/Sapling	6						

67	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	24.4	107	81-110	N/A	Stand is very low ground, with large tag alder drainage through the center.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Balsam Fir	5	Pole	7			Tag Alder	Low	< 5 feet	Tall Shrub
	White Spruce	5	Log	14			Maple (spp.)	Medium	>20 feet	Sapling
	Northern White Cedar	2	Log	12			Ironwood	Low	10 - 20 feet	Sapling
	Yellow Birch	20	Log/Pole	10			White Spruce	Medium	Variable	Sapling
	Black Cherry	2	Pole/Log	8			Balsam Fir	High	Variable	Sapling
	Paper Birch	2	Pole/Log	9						
	Black Ash	10	Pole/Sapling	5						
	Sugar Maple	2	Pole/Log	8						
	White Pine	2	XLog	20						
	Quaking Aspen	2	Log	12						
	Red Maple	38	Pole/Log	8	107					
	Hemlock	10	Pole/Log	8						

68	4112 - Maple, Beech, Cherry Association	Poletimber Well	3.7	92	81-110	N/A	Mainly a pole stand with large diameter YB, RM and H within.SF 2024: Stand has progressed to a pole stand. The understory is almost entirely ironwood saplings. Maple saplings are low quality.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Hemlock	5	Log	12			Ironwood	Full	10 - 20 feet	Sapling
	Black Cherry	5	Log	12			White Spruce	Medium	Variable	Sapling
	Sugar Maple	40	Pole/Log	9	92		Maple (spp.)	Medium	>20 feet	Sapling
	Red Maple	35	Log/Pole	10						
	Yellow Birch	10	Log	16						
	White Spruce	5	Log	14						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
69	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.5	107	111-140	N/A	Isolated hardwood stand fringed with conifers and ringed by wide tag alder drainage.	
							SF 2024: Previous inventory description confirmed.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/XLog/Pole	12	107	Maple (spp.)	Medium	>20 feet	Sapling
Yellow Birch	5	Log/XLog	16		Ironwood	Low	10 - 20 feet	Sapling
Balsam Fir	2	Pole/Sapling	6		White Spruce	Low	Variable	Sapling
Black Cherry	10	Log/Pole	12		Balsam Fir	Low	Variable	Sapling
White Spruce	2	Log/Pole	12					
Hemlock	2	Log/Pole	12					
Red Maple	29	Log/XLog/Pole	14					
70	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.8	92	111-140	N/A	Rolling terrain - lowland conifer edges. N. end with heavier hemlock component. Overall pole/sapling stand with oversized SM, RM and YB legacy trees - no small seedling regeneration noted. Plenty of wildlife cavity trees/oversized log pulp-quality trees. SF 2024: Stand shows high quality hardwood sawtimber, and almost no understory saplings besides ironwood.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	10	Log	12		Maple (spp.)	Medium	>20 feet	Sapling
Yellow Birch	10	Log/Pole/XLog	16		Ironwood	Low	5 - 10 feet	Sapling
Red Maple	10	Log	12		White Spruce	Low	< 5 feet	Seeding
White Spruce	2	Log	14					
Sugar Maple	66	Log	13	92				
Hemlock	2	Pole/Log	8					
71	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	13.3	103	Unspecified	N/A	Lowland brush with ash, balsam fir.	
72	6121 - Tamarack	Poletimber Poor	45.8	95	1-50	N/A	Patch islands of timber within lowlands - very low quality stand. Ground cover noted includes sphagnum, bunchberry, lab tea, highbush blueberry. SF 2024: Low BA tamarack, and stunted black spruce and stunted white pine stand. Some red maple saplings on the edges. Patches of timber on the interior.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/Pole	12		Balsam Fir	Low	>20 feet	Sapling
Tamarack	50	Sapling/Pole	4	95	White Pine	Low	>20 feet	Sapling
Black Spruce	33	Pole/Sapling	7	95	Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Red Maple	2	Pole/Sapling	6		Black Spruce	Low	10 - 20 feet	Sapling
Northern White Cedar	10	Pole/Sapling	6		Red Maple	Low	>20 feet	Sapling
73	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	7.7	103	51-80	N/A	T. sale # 023-05 "Stack Grade North" (Unit 1) - select cut Jan-Feb, 2010. Some maple sprout/clump regeneration. Ground cover of club moss, princess pine, starflower, raspberry noted.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	XLog	24		Black Cherry	Low	< 5 feet	Seeding
Hemlock	10	Log	14		Balsam Fir	Medium	Variable	Sapling
Black Cherry	5	Log	14		White Pine	Low	< 5 feet	Seeding
Red Maple	50	Log/XLog/Pole	12	103	Red Maple	Medium	< 5 feet	Sapling
Yellow Birch	15	XLog/Log	18		White Spruce	Low	Variable	Sapling
Balsam Fir	3	Pole	7					
Northern White Cedar	5	Pole/Log	8					
White Spruce	2	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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74 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 34.4 95 51-80 N/A

N. part of stand was part of t. sale #023-05 "Stack Grade North" (Unit 5) - was never cut, due to wet ground conditions and inability to freeze (attempted Feb, 2010). Wet soils. Some slightly higher ground with better spruce/fir. SF 2024: Most of fir in stand is dead after heavy mortality from spruce budworm. Portions of stand are tag alder swales. Ground cover of sedges, moss, and marsh marigold observed.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole	7	95
Yellow Birch	10	Pole/Log	9	
Balsam Fir	10	Pole	8	95
White Spruce	5	Log	12	
Northern White Cedar	5	Pole/Log	8	
White Pine	5	XLog	20	
Black Ash	30	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Tag Alder	High	5 - 10 feet	Tall Shrub

75 4191 - Mixed Upland Deciduous with Conifer Sapling Poor 5.0 14 1-50 N/A

T. sale #023-05 "Stack Grade North" (unit 4) - cut Dec, 2009. Wetter grounds - old corduroy remnant and minor ruts from cut visible. Some uprooted trees - low residual BA (~10).SF 2024: Maple and cherry regenerating well from multi-stemmed stump sprouts. last treatment removed most of basal area, with residual mostly being large white pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	XLog	24	
Balsam Poplar	15	Sapling	2	14
Northern White Cedar	5	Log	12	
Hemlock	2	Log/XLog	16	
Red Maple	30	Sapling	2	14
Black Cherry	15	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	< 5 feet	Seeding
Balsam Fir	Medium	Variable	Sapling
White Pine	Trace	5 - 10 feet	Sapling

76 4113 - R.Maple, Conifer Sawtimber Medium 7.8 103 51-80 N/A

T. sale #023-95 "Stack Grade North" (unit 2) - cut Jan-Feb, 2010. Ground cover of club moss, princess pine, sedge, raspberries, blackberry noted.SF 2024: Stand was shelterwooded during last treatment. Red maple stump sprouts regeneration is free to grow, and growing well in large gaps in the canopy.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	10	Log/XLog	16	
Black Cherry	5	Log	14	
Red Maple	65	Log/Pole/XLog	10	103
Yellow Birch	5	XLog/Log	18	
Northern White Cedar	5	Log	12	
White Pine	10	XLog/Log	20	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	< 5 feet	Sapling
Wild Red Raspberry	Low	5 - 10 feet	Tall Shrub
Red Maple	Medium	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Black Cherry	Low	< 5 feet	Seeding

77 4112 - Maple, Beech, Cherry Association Sawtimber Medium 13.5 103 51-80 N/A

T. sale #023-05 "Stack Grade North" (unit 3) - cut Feb, 2010. Good ground cover of seedlings; also sedge, club moss and raspberries (esp. heavy within old skid trails).

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	15	Log	14	
Yellow Birch	5	Log/XLog	16	
Red Maple	60	Log/Pole	10	103
White Pine	2	XLog	20	
Hemlock	6	Log	14	
Sugar Maple	10	Pole	7	
Northern White Cedar	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	< 5 feet	Seeding
Red Maple	Medium	Variable	Sapling
Maple (spp.)	High	< 5 feet	Seeding
Balsam Fir	Low	5 - 10 feet	Sapling
Black Cherry	High	< 5 feet	Seeding

SF 2024: Great advance regen in stand. Free to grow stump sprouts of sugar maple and black cherry saplings from seed are abundant. Last cut appears to have been a shelterwood, based on low BA. Gaps in the canopy are irregular, with some large, and some small and starting to close.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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78 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 8.3 97 51-80 N/A

Smaller poles - lower BA, lower quality and some lower grounds. Select cut under permit #32/75A - Feb, 1976 and "Mayward's Camp Hardwood" (unit 5) - cut Nov-Dec, 1997. Several maple wildlife quality snag trees.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	2	Pole/Log	8	
Northern White Cedar	2	Pole	9	
Basswood	5	Pole/Sapling	7	
Sugar Maple	5	Pole/Sapling	5	
Black Ash	10	Sapling/Pole	4	
Yellow Birch	20	Pole	8	97
Red Maple	35	Pole/Sapling	7	97
Ironwood	2	Sapling	4	
Balsam Fir	14	Pole	6	
Hemlock	5	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Maple (spp.)	High	Variable	Sapling
Ironwood	Low	>20 feet	Sapling
Yellow Birch	Low	>20 feet	Sapling

79 4119 - Mixed Northern Hardwoods Poletimber Medium 8.8 101 111-140 N/A

Unit 2 "K - 2 Block" sale #001-96 - cut Sept, 2008 and also "533 Hardwood" #021-86 - thinned 1988. Some uprooted trees noted. Heavier fir regeneration than adjacent hardwood stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	53	Pole/Log	9	101
Yellow Birch	10	Log/XLog	16	
Northern White Cedar	2	Pole	9	
White Pine	2	XLog	20	
White Spruce	3	Log	12	
Sugar Maple	20	Pole/Log	8	101
Black Cherry	2	Log	16	
Hemlock	5	Log	14	
Balsam Fir	3	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Black Cherry	Trace	5 - 10 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

SF 2024: Stand is upland, but crosses multiple wet swales. Split off this southmost portion of the hardwood stand to the north stand (9 acres) because it was not treated with the rest of the stand, most likely due to poor access.

80 4110 - Sugar Maple Association Sawtimber Well 15.9 105 81-110 N/A

"Five Spot Block" #005-96 (unit 4,5) - select, shelterwood cut(s) Feb, 2000. Some 3 - 5' regeneration just visible at snow level. Middle portion of stand was shelterwood cut unit - lower BA's. East portion (across drainage within stand) harvested under permit #003-06 "Pole Line Sale" (Unit 2) - cut Feb-March, 2010.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/XLog	18	
Red Maple	5	Pole/Log	9	
Black Cherry	5	Log	14	
Sugar Maple	80	Log/Pole	11	105
Basswood	5	Log/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	10 - 20 feet	Sapling
Ironwood	Low	Variable	Sapling
Sugar Maple	High	Variable	Sapling
Balsam Poplar	Medium	10 - 20 feet	Sapling
White Spruce	Low	5 - 10 feet	Seeding
Balsam Fir	Low	5 - 10 feet	Sapling

SF 2024: Even-aged stand, some natural gaps with good sugar maple sapling regeneration. Most regeneration is sugar maple seedlings. Variable quality of sugar maple poles, some pockets of good growth and some are of lesser quality



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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81	6120 - Lowland Cedar	Poletimber Well	7.6	102	81-110	N/A	Low ridges with hemlock patches and narrow swales with small ash, cedar, and yellow birch pole-sized timber. Trace amount of black cherry noted.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole	6		Balsam Fir	
White Spruce		2	Pole/Log	8		Northern White Cedar	
Hemlock		1	Log	12	102	Red Maple	
Balsam Fir		10	Pole	7		Tag Alder	
Yellow Birch		5	Pole/Log	8		Yellow Birch	
Northern White Cedar		62	Pole	7	102		
Black Ash		10	Pole	5	102		

82	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	6.3	102	111-140	N/A	Low ridges with hemlock patches and narrow swales with small ash, cedar, and yellow birch pole-sized timber. Trace amount of black cherry noted. Intermittent stream in the north separates this stand from the northern hardwood stand to the north.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Yellow Birch		15	Log/Pole	13		Balsam Fir	
White Spruce		2	Log	14		Maple (spp.)	
Northern White Cedar		23	Log/Pole	13	102	Hemlock	
Hemlock		30	Log	16	102		
White Pine		5	XLog/Log	18			
Red Maple		20	Log/Pole	13			

83	6120 - Lowland Cedar	Poletimber Well	5.4	102	81-110	N/A	Low ridges with hemlock patches and narrow swales with small ash, cedar, and yellow birch pole-sized timber. Trace amount of black cherry noted.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole	6		Balsam Fir	
Yellow Birch		5	Pole/Log	8		Northern White Cedar	
Balsam Fir		10	Pole	7		Yellow Birch	
Northern White Cedar		62	Pole	7	102	Red Maple	
White Spruce		2	Pole/Log	8		Tag Alder	
Hemlock		1	Log	12	102		
Black Ash		10	Pole	5	102		