



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32006

Entry Year 2025

Acreage: 1,705

County Marquette

Management Area: Menominee-Marquette

Stand Examiner: Peter Holodnick

Legal Description:

T44N R23W Section(s) 4, 5, 8, 16, 17

Identified Planning Goals:

To maintain forest diversity and sustainability through on-going management while considering wildlife, fisheries, recreation, and environmental concerns.

Soil and topography:

Upland flats to level swamps and wetland drainages. Primarily very poorly drained Cathro-Ensley mucks, with Carbondale and Tawas, Greenwood and Dawson, and Tawas-Deford mucks scattered to somewhat poorly-drained Charlevoix-Ensley complex, and moderately well-drained Shoepac-Trenary silt loams, Shoepac-Ensley and Escanaba loamy fine sand.

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

About 50% of the ownership is State, with the remainder in private (both industrial and recreational). Land use is both for the production of commercial forest products and recreational use, primarily being deer hunting.

Unique Natural Features:

None listed with MNFI. Potential for red-shouldered hawk and goshawk in northern and lowland hardwood stands. Potential for Great blue heron rookery and gray wolf.

Archeological, Historical, and Cultural Features:

none identified with HAL

Special Management Designations or Considerations:

Dead Horse Moraines Management Area

Watershed and Fisheries Considerations:

This compartment contains Werners Creek and Deer Creek. Werners Creek and Deer Creek are Type 1 trout streams less than 50 feet wide and have predicted mean July water temperatures that range from 64.6 to 65.8 °F (cold streams). 300-foot buffers are recommended for Werners Creek and Deer Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on 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

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 just to the south of the compartment and potential appears to be good. Abandoned iron mines are located nine 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:

From State Highway M-35: access via the Stack Grade, a poor State-maintained road at the north end of the compartment and via the Badders Road, another poor State maintained road just East of McFarland and bordering the west side of the compartment. Additional access from Co Rd 444, crossing various private landowners to reach abandoned logging trails. Very few interior roads present; most are closed trails from previous timber harvesting activities and are seasonal use only due to wet terrain.

Survey Needs:

None at this time

Recreational Facilities and Opportunities:

Primarily hunting and trapping opportunities

Fire Protection:

Depending on fire location, initial response time can be anywhere from 1/2 hour or more. Suppression is likely to be difficult, due to soils and access, with control times estimated at 2-4 hours or more.

Additional Compartment Information:

Both the Stack Grade and Badders Road are in need of major repairs. Due to the lack of road funding over the past few years, very little to no routine maintenance nor improvements has been accomplished. Continued use by private harvesting and hunting traffic has not eased the pressures on these roads, which has lead to heavy rutting, crushed/plugged culverts, and water ponding on the roadbed.

The following reports from the Inventory are attached:

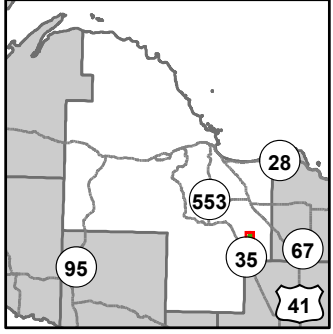
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

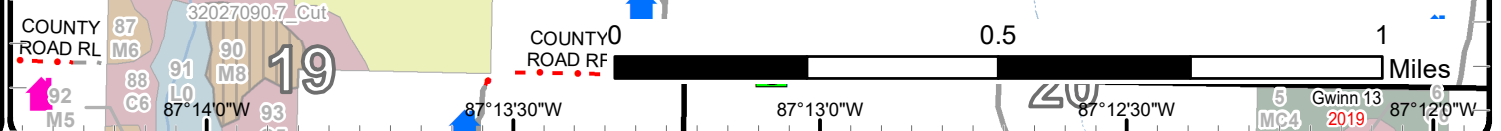
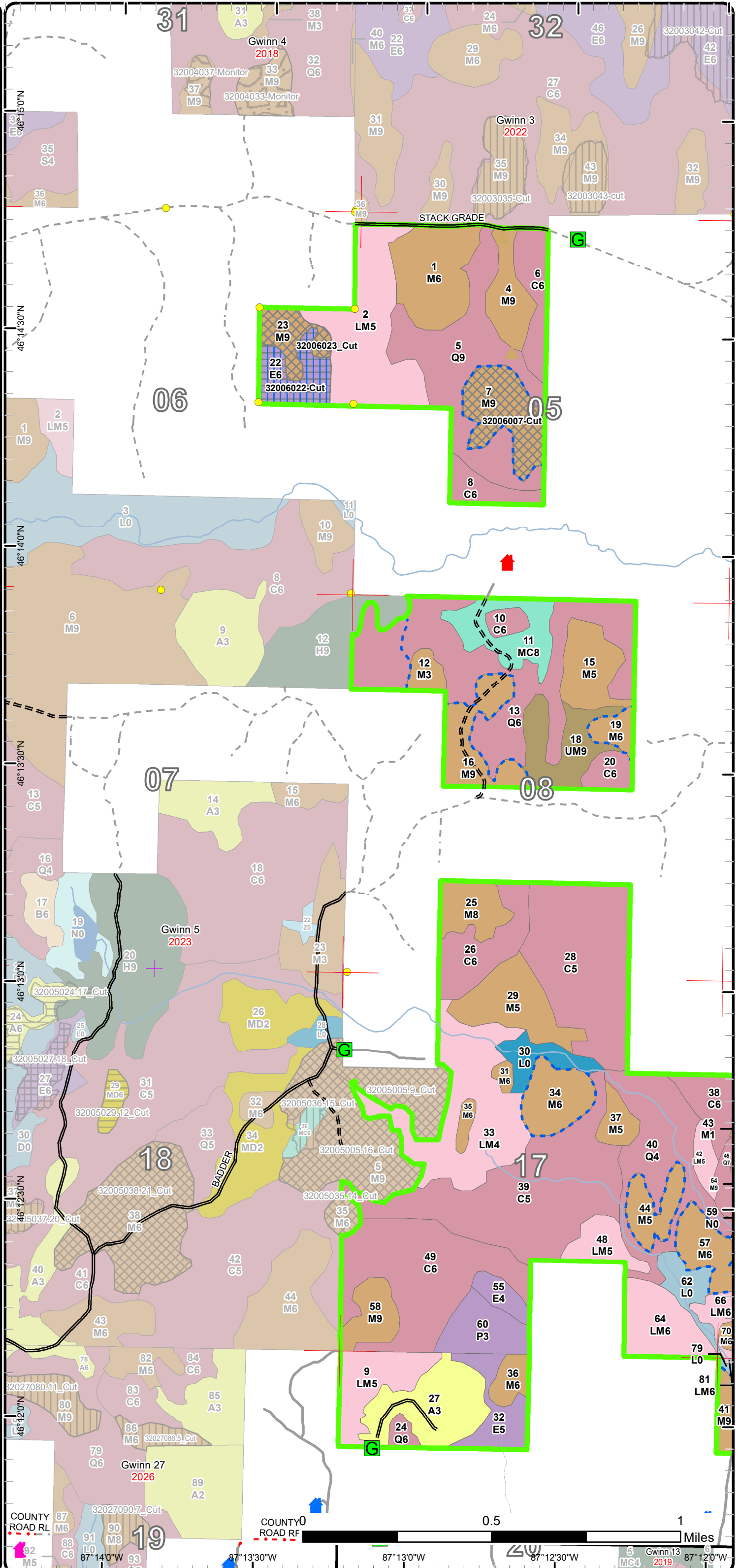
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 6
 T44N,R23W, Sec. 05,
 08,15,16,17,20,21
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Menominee-
 Marquette
 YOE: 2025
 Acres: 1704.7 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 8/15/2023
 Map Phase: Review

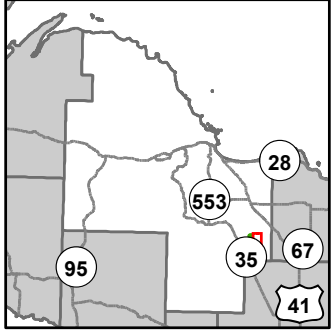


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State / County - Paved Road
- .-.- County - Gravel Road
- Private - Paved Road
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Cabin
- ▲ House
- ▲ Structure, Seasonal Dwelling
- ▲ Berms
- G Gate
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

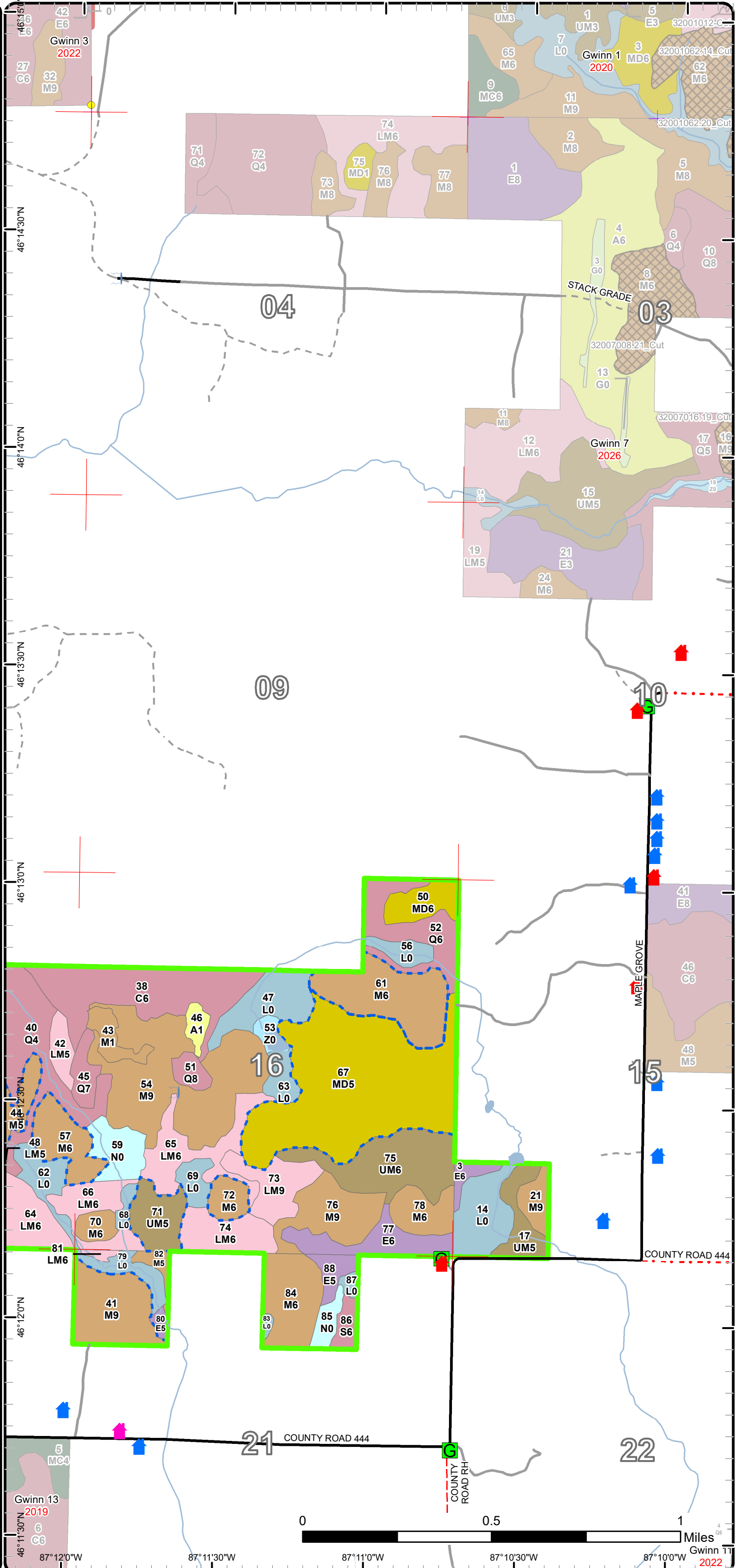


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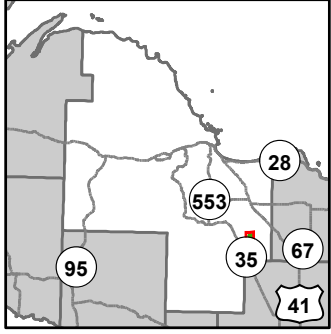
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- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



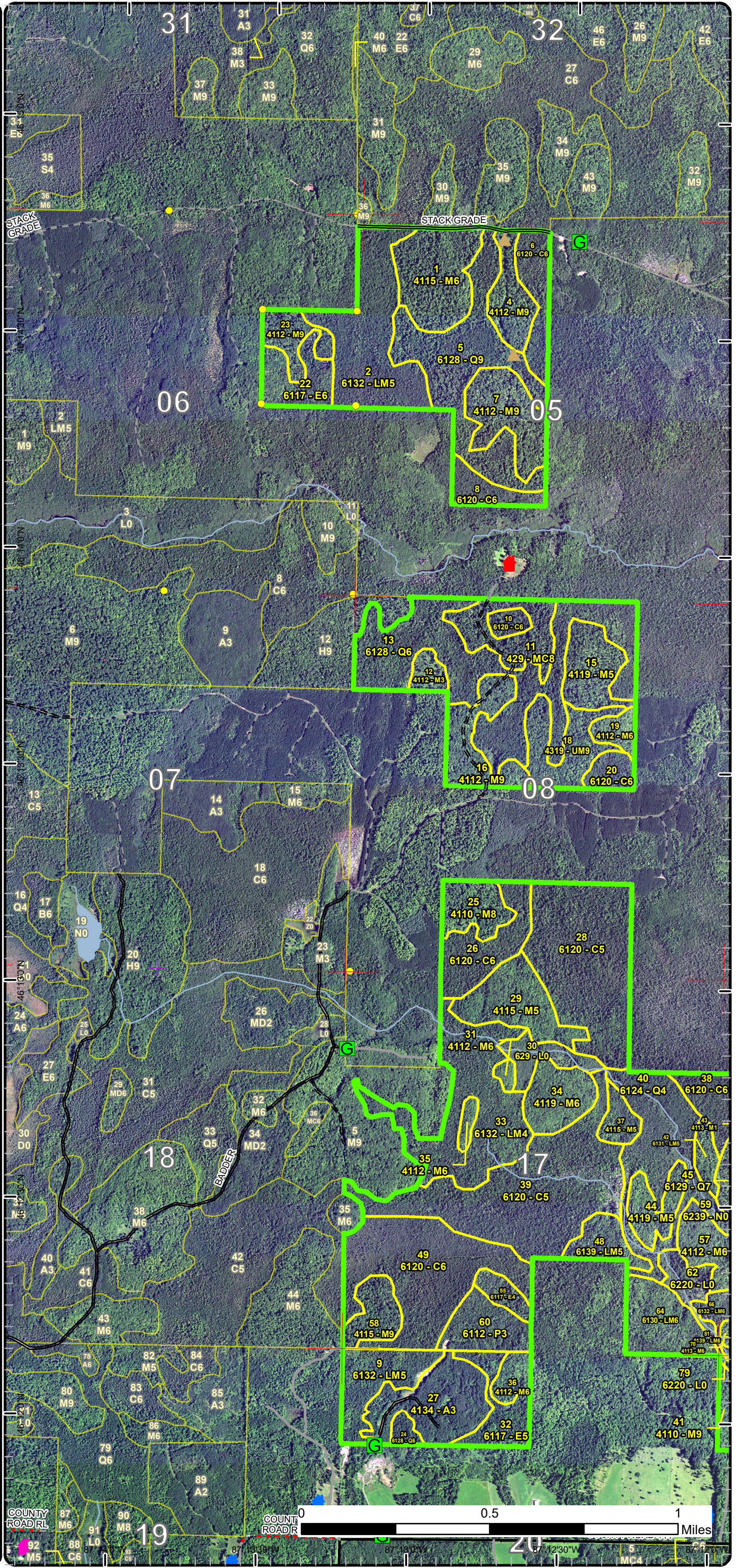
0 0.5 1 Miles
 Gwinn 11 2022

Stand Boundary Map

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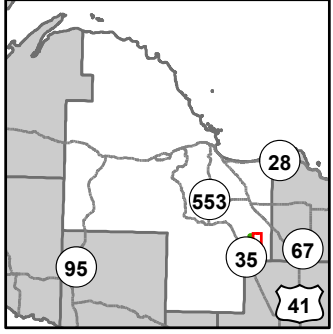


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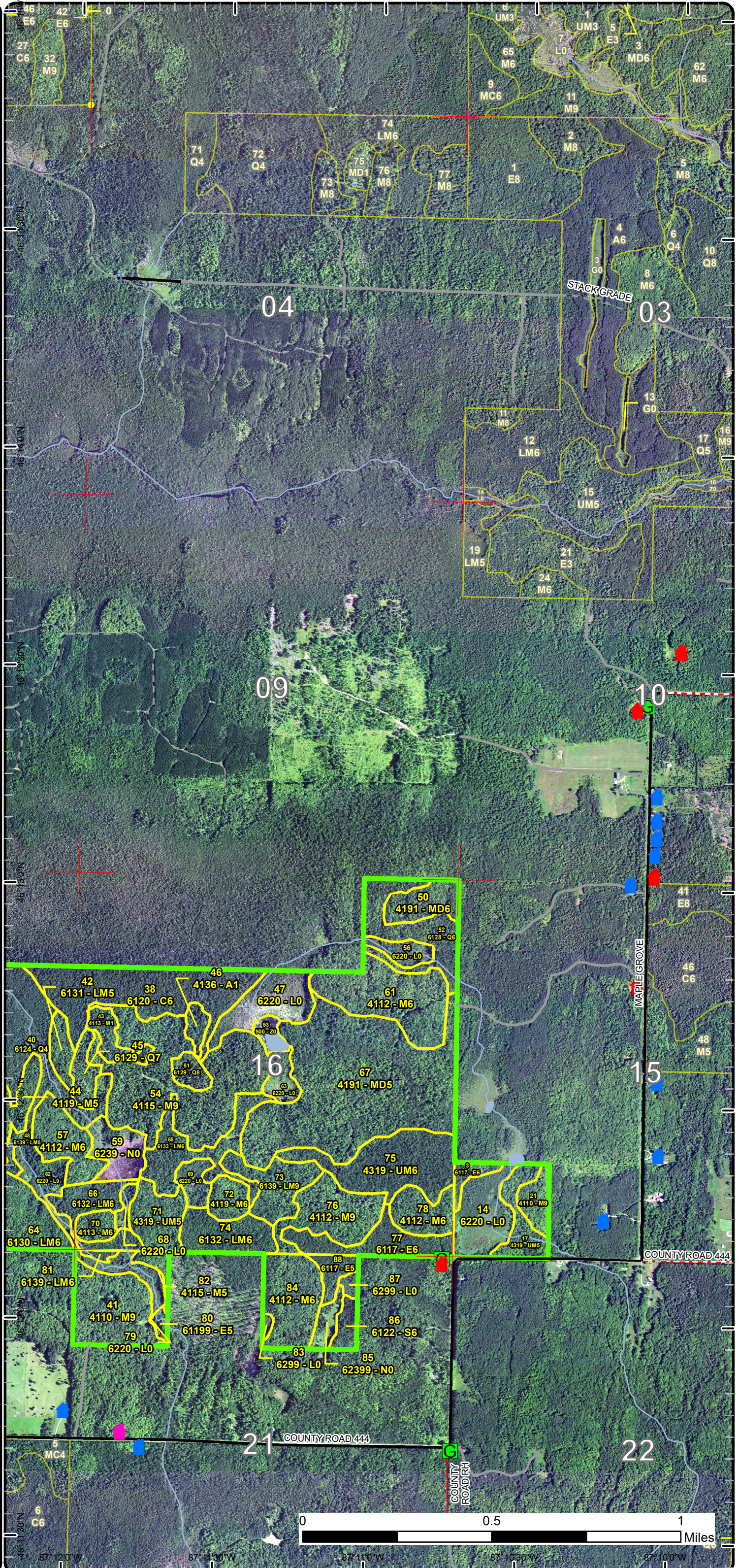


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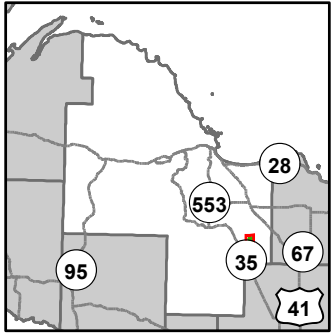


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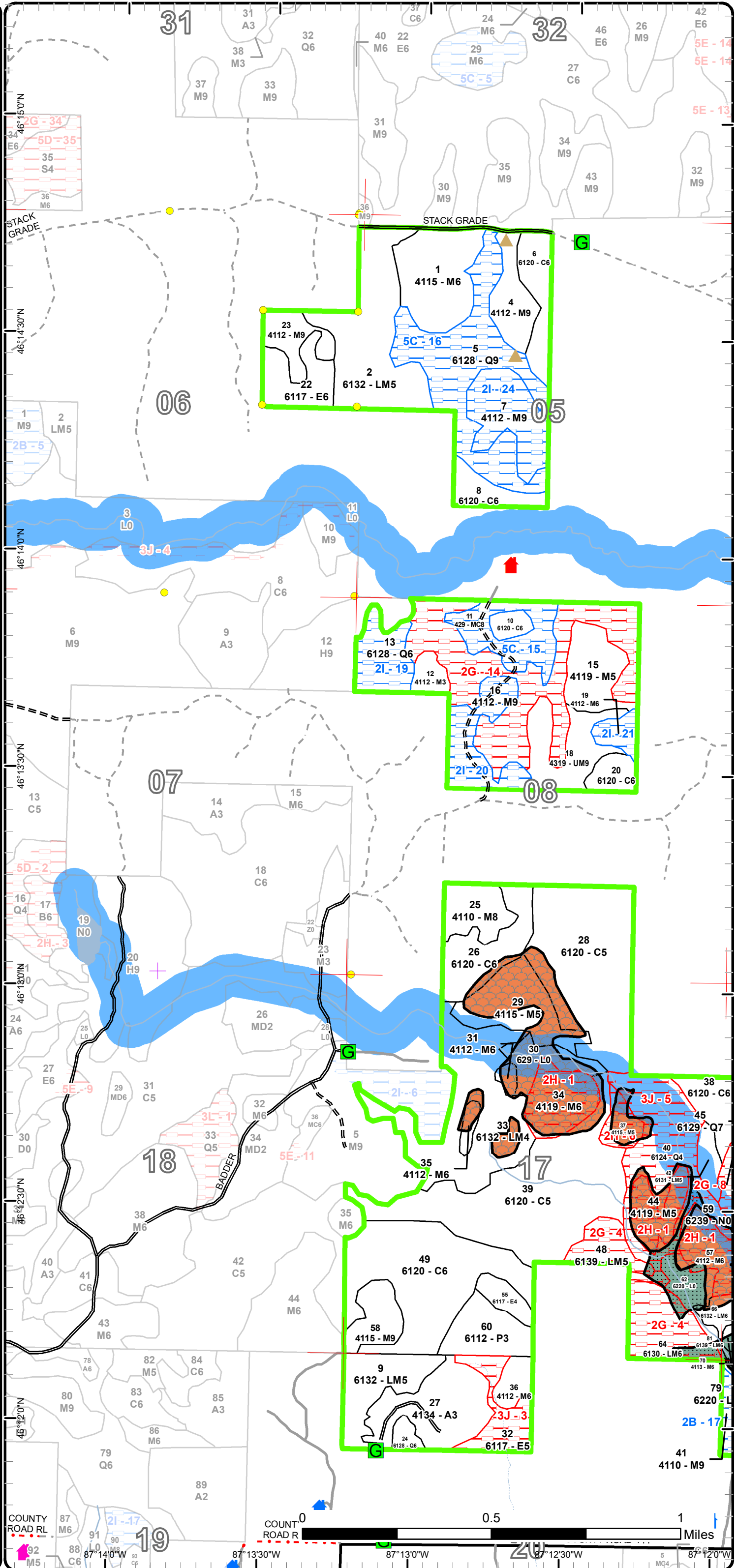


Special Conservation Areas

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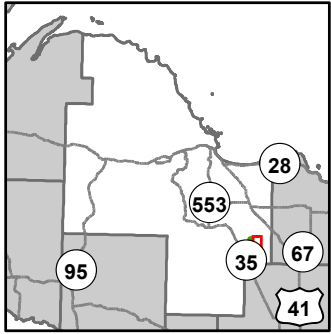


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- ▲ Gate
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- SCA Removal
- High Priority Trout Stream Buffer
- Vernal Pool
- Other Habitat Area

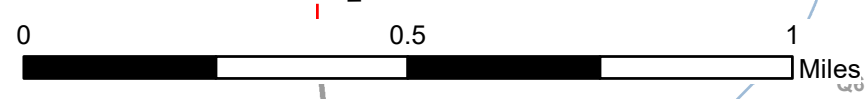
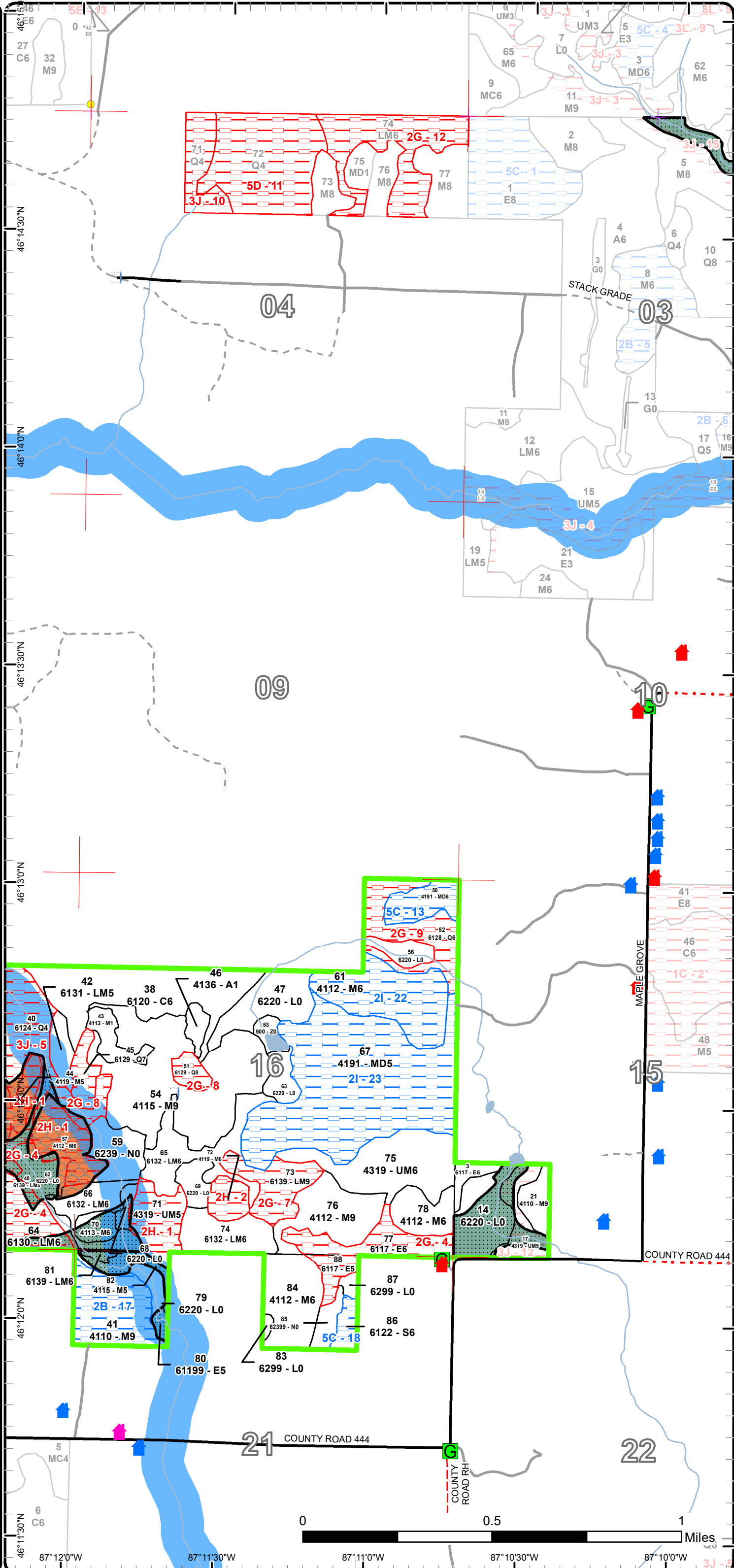


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- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA
- SCA Removal
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Vernal Pool
- Other Habitat Area



0 0.5 1 Miles

46°15'00"N 46°14'30"N 46°14'00"N 46°13'30"N 46°13'00"N 46°12'30"N 46°12'00"N 46°11'30"N

87°12'00"W 87°11'30"W 87°11'00"W 87°10'30"W 87°10'00"W



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	4	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Cedar	0	0	0	0	0	0	0	0	0	23	69	221	10	0	0	0	0	0	323
Lowland Aspen/Balsam Poplar	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	0	0	0	0	0	0	0	49	3	154	22	0	0	0	0	0	228
Lowland Deciduous	0	0	0	0	0	0	0	0	7	17	22	21	0	0	0	0	0	0	66
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	65	50	110	15	0	0	0	0	0	239
Lowland Shrub	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Marsh	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	11	102	0	0	0	0	0	0	0	113
Northern Hardwood	0	7	6	0	0	0	0	0	0	6	83	275	0	0	0	0	0	90	467
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	21
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	46	33	0	0	0	0	0	0	79
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	109	11	24	0	33	0	0	0	7	176	375	814	47	21	0	0	0	90	1705



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 6

Total Compartment Acres: 1,705

Commercial Harvest - 29
 Harvests with Site Condition - 299
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Lowland Conifers	0	0	0	0	17	0	0	0	0	17
Lowland Deciduous	0	0	0	17	0	0	0	0	0	17
Mixed Upland Deciduous	0	0	0	0	102	0	0	0	0	102
Northern Hardwood	0	143	0	0	0	35	0	0	0	178
Upland Mixed Forest	0	0	0	0	14	0	0	0	0	14
Total	0	143	0	17	133	35	0	0	0	328

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	328	0	0	0	0	0	0	0	0	328
Next Step	0	0	0	0	0	0	293	0	0	293
Total	328	0	0	0	0	0	293	0	0	620



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

13	32006013-Cut	17.1	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	107	81-110	Harvest	Shelterwood with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all but Hemlock, Cedar, Yellow Birch and Black Cherry. The treatment area could very significantly depending on wet ground. Run your treatment line where there is Red Maple and avoid areas with Black Ash. Green tree a few larger maple to keep in the stand.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
16	32006016-Cut	22.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	87	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar, and White Pine. Favor to keep Basswood, Black cherry and Yellow Birch.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u> The is old orange paint. Trees may need to be marked in a different color or refreshed in orange. This is a winter road system. At least two crain mats will be needed to put over existing bridges.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
19	32006019-Cut	6.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	87	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar, and White Pine. Favor to keep Basswood, Black cherry and Yellow Birch.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u> The is old orange paint. Trees may need to be marked in a different color or refreshed in orange. This is a winter road system. At least two crain mats will be needed to put over existing bridges.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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34	32006034-Cut	18.3	4119 - Mixed Northern Hardwoods	Poetimber Well	102	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species(i.e. yellow birch, cherry). Look for opportunities to retain super canopy wildlife trees. Maintain species diversity, leaving all cedar, hemlock. Create regeneration openings, where appropriate.

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

Acceptable Regen: Any tree species currently in the overstory is acceptable.

Other Comment:

Site Condition Blocked by Obstacle

Proposed Start Date: 10/1 /2024

41	32006041-Cut	26.1	4110 - Sugar Maple Association	Sawtimber Well	104	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar, Black Cherry and White Pine. Favor to keep Basswood, yellow birch.

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

Acceptable Regen: Any tree species currently in the overstory is acceptable.

Other Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2024

44	32006044-Cut	12.7	4119 - Mixed Northern Hardwoods	Poetimber Medium	97	51-80	Harvest	Crown Thinning	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species(i.e. yellow birch, cherry). Look for opportunities to retain super canopy wildlife trees. Maintain species diversity, leaving all cedar, hemlock. Create regeneration openings, where appropriate. Green tree a few larger White Spruce.

Next Step Treatments:

Acceptable Regen: Any tree species currently in the overstory is acceptable.

Other Comment:

Site Condition Blocked by Obstacle

Proposed Start Date: 10/1 /2024



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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
57 32006057-Cut	15.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	99	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species(i.e. yellow birch, cherry). Look for opportunities to retain super canopy wildlife trees. Maintain species diversity, leaving all cedar, hemlock. Create regeneration openings, where appropriate. Green tree a few large White Spruce to keep.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory is acceptable.</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 /2024</p>										
61 32006061-Cut	32.0	4112 - Maple, Beech, Cherry Association	Poletimber Well	97	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar and White Pine. Favor to keep Basswood, black cherry and yellow birch.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
67 32006067-Cut	102.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	99	51-80	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all but Hemlock, Cedar, Yellow Birch, Black Cherry and White Pine. Leave retention in areas with a heavy Black ash component. This area could be significantly smaller in acreage do to wet 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> Any tree species currently in the overstory is acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> The ash areas don't freeze in very good so make sure to exclude these areas from the treatment area. The road that goes through the middle of this stand is the wettest part of the stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
71 32006071-Cut	13.7	4319 - Mixed Upland Forest	Poletimber Medium	98	81-110	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all but Hemlock, Cedar, Yellow Birch, White Pine and Black Cherry. Leave 3-10% retention in wet areas if possible. Green tree a few Large White Pine to keep.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u> There is no way to access this property off of state land. The only way that looks remotely feasible is through PVT property to the south but have not gotten permission to investigate that yet.</p> <p><u>Site Condition</u> Blocked by Obstacle</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
72 32006072-Cut	6.8	4119 - Mixed Northern Hardwoods	Poletimber Well	95	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy YB and RM wildlife trees. Maintain species diversity. Leave some white spruce for seed trees. Leave all hemlock, cedar, white pine. Enhance existing regeneration areas.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Blocked by Obstacle</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

7 32006007-Cut	25.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	85	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar, and White Pine. Favor to keep Basswood, Yellow Birch, and White Ash. Leave some large Black cherry to Keep within the stand.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Other Comment:</u> Approved through Ch 7 4-28-23</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
22	32006022-Cut	16.5	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	85	Unspec ified	Harvest	Seed Tree with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all but Hemlock, Cedar, Yellow Birch, and Black Cherry. Leave 3-10% retention in wet areas or areas with Cedar, Hemlock, and White Pine. Acreage may be significantly different due to wet 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> Any tree species currently in the overstory is acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
23	32006023_Cut	12.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	102	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar. Favor to keep Basswood, Yellow Birch, and White Ash. Leave some large Black cherry to Keep within the 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 tree species currently in the overstory will be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Highly recommended but not required to to cut in the winter because of wet access. This may be a good one to recommend but not require winter cut. Evaluate when setting up the sale. The stack grade is a boarder line winter road.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

Total Treatment 327.8
Acreage Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 6

Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2B	2I	5C	2G	2H	3J	
36	36	0	0	Aspen							
324	324	0	0	Cedar							
18	18	0	0	Lowland Aspen/Balsam Poplar							
228	3	75	149	Lowland Conifers		17	58	100			49
66	29	0	37	Lowland Deciduous				22			15
239	189	0	50	Lowland Mixed Forest				50			
88	88	0	0	Lowland Shrub							
5	0	5	0	Lowland Spruce/Fir			5				
17	17	0	0	Marsh							
113	0	113	0	Mixed Upland Deciduous		102	11				
466	293	113	61	Northern Hardwood	26	86			61		
21	0	21	0	Upland Conifers			21				
79	54	0	25	Upland Mixed Forest					14		11
4	4	0	0	Water							
1,705	1,056	327	322	Total Forested Acres	26	206	95	172	75		75
	62%	19%	19%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	61	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: lots of water running everywhere.							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 6

Peter Holodnick : Examiner

Year of Entry: 2025

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	57	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments: all of the ash is dead and the trees are way to small.							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Black Ash is all dead, lots of cedar and hemlock. This is a very wet stand.							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: a Hemlock/Cedar stand not much to cut.							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 6

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Year of Entry: 2025

9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5D: Unproductive Forest Land	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A harvest was previously attempted and dropped, due to constraints listed							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: wait until the timber gets a little bigger for management.							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	67	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This area has more Black ash, Cedar. Lots of water flowing in this drainage.							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 6

Peter Holodnick : Examiner

Year of Entry: 2025

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Managed in 2008. Wait until maple gets big enough to cut.							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cut in 2002.							
17	Available	2B: Unknown if access through adjacent landowner(s) is possible	26	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: The spruce are still small yet. Wait until they get big enough to cut. Access would need to be through private land.							
19	Available	2I: Survey needed	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	2I: Survey needed	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 6

Year of Entry: 2025

21	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	2I: Survey needed	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	2I: Survey needed	102	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	2I: Survey needed	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
Cyr Swamp Management Area	Habitat Area	Other Habitat Area	SCA Removal	2082
Comments				
Large poor conifer swamp complex, which is unique due to it's unfragmented and mostly inaccessible condition. Adjoins State parcels to the south and west with same characteristics.				
Deer Creek island	Habitat Area	Other Habitat Area	SCA Removal	19
Comments				
Upland hardwood island within Deer Creek branches; potential raptor habitat				
Deer Creek islands	Habitat Area	Other Habitat Area	SCA Removal	85
Comments				
Upland hardwood islands within cedar swamp; potential raptor habitat, deer corridors				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

ERA = Ecological Reference Area

HCVA = High Conservation Value Area

SCA = Special Conservation Area



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4115 - Y.Birch, Hemlock NH	Poletimber Well	32.5	102	81-110	N/A	T. sale #034-00 "Stack Grade Hardwood" (units 2,4,9) - cut 2000 - 2002. A variety of regeneration present.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	2	Pole/Log	8	102
Sugar Maple	2	Pole/Sapling	6	
Black Cherry	5	Log/Pole	12	
White Pine	5	XLog/Log	20	
Red Maple	50	Pole/Log/Sap	9	102
Hemlock	15	Log/XLog	16	
Yellow Birch	8	Log/XLog	16	
White Spruce	3	Pole/Sapling	5	
Balsam Fir	10	Pole/Sapling	6	

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

2	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	51.0	102	Unspecified	N/A	Small black ash most of it dead from EAB. Wet stand with drainage issues.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole/Log/Sap	9	
Balsam Fir	15	Pole/Sapling	6	
White Spruce	2	Log/Pole	10	
Northern White Cedar	22	Pole/Log	8	
White Pine	2	XLog/Log	18	
Hemlock	6	Log	14	
Black Spruce	8	Pole/Sapling	6	
Red Maple	10	Pole	7	
Black Ash	30	Sapling/Pole	4	102

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

3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	3.8	91	51-80	N/A	Mainly a lowland stand, although a small patch of maple poles can be found along private line, which is not easily accessible from the State side.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Pole	7	
Balsam Fir	5	Pole/Sapling	6	
Balsam Poplar	5	Pole/Sapling	5	
White Spruce	5	Log/Pole	12	
Northern White Cedar	5	Log	12	
Yellow Birch	15	Pole/Log/Sap	9	
Red Maple	15	Pole/Sapling	5	
Black Ash	35	Pole/Sapling	5	91
Sugar Maple	5	Pole/Sapling	6	
Hemlock	5	Log/Pole	11	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	15.5	102	81-110	N/A	T. sale #034-00 "Stack Grade Hardwood" (unit 5,8) - select and shelterwood cut 2001-02. A few pockets heavier to mixed conifer (shelterwood areas). Ground cover of club moss, bunchberry.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Log/XLog	16		White Spruce	Low	Variable	Sapling
Hemlock	2	Log	16		White Pine	Medium	Variable	Sapling
White Spruce	2	Pole/Log	8		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	2	Pole/Log	8		Northern White Cedar	Medium	< 5 feet	Seeding
Black Cherry	10	Log	14		Maple (spp.)	Medium	Variable	Sapling
White Pine	2	Log/XLog	16					
Sugar Maple	42	Log/XLog	10	102				
Red Maple	35	Log/Pole/XLog	10	102				

5	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	58.2	102	51-80	N/A	Portions of stand treated under t. sale #034-00 "Stack Grade Hardwood" (units 2, 3, 6) - shelterwood cut 2000-2002.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	12	XLog/Log	20		Black Ash	Medium	>20 feet	Sapling
Hemlock	30	Log	14	102	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	5	Pole/Log	8		Balsam Fir	High	Variable	Sapling
Black Ash	2	Pole/Sapling	5		Black Spruce	Medium	>20 feet	Sapling
Balsam Fir	2	Pole	7		White Pine	Medium	Variable	Sapling
Yellow Birch	15	Log/XLog	15		Red Maple	Medium	10 - 20 feet	Sapling
White Spruce	2	Log	12		Hemlock	Low	< 5 feet	Seeding
Northern White Cedar	30	Pole/Log	9					
Black Spruce	2	Pole	7					

6	6120 - Lowland Cedar	Poletimber Well	16.0	109	111-140	N/A	Cedar with lowland brush; sphagnum. Trace amount of white spruce, paper birch and yellow birch.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	4	Pole	7		Quaking Aspen	Low	10 - 20 feet	Sapling
Northern White Cedar	90	Pole/Log/Sap	6	109	Balsam Poplar	Low	10 - 20 feet	Sapling
Tamarack	2	Pole/Log	9		Northern White Cedar	Medium	< 5 feet	Seeding
Black Spruce	4	Pole	6		Tag Alder	Medium	< 5 feet	Tall Shrub
					Balsam Fir	Low	< 5 feet	Seeding



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	25.6	85	111-140	N/A	T. sale #034-00 "Stack Grade Hardwood" (unit 7) - select cut 2001-02.																																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>40</td><td>Log/XLog/Pole</td><td>12</td><td>85</td></tr> <tr><td>Yellow Birch</td><td>5</td><td>Log/XLog</td><td>16</td><td></td></tr> <tr><td>White Spruce</td><td>2</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Red Maple</td><td>35</td><td>Log/Pole/XLog</td><td>10</td><td>85</td></tr> <tr><td>Northern White Cedar</td><td>2</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>White Pine</td><td>2</td><td>XLog/Log</td><td>20</td><td></td></tr> <tr><td>Black Cherry</td><td>12</td><td>Log</td><td>15</td><td></td></tr> <tr><td>Hemlock</td><td>2</td><td>Log</td><td>16</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	40	Log/XLog/Pole	12	85	Yellow Birch	5	Log/XLog	16		White Spruce	2	Pole/Log	9		Red Maple	35	Log/Pole/XLog	10	85	Northern White Cedar	2	Pole/Log	9		White Pine	2	XLog/Log	20		Black Cherry	12	Log	15		Hemlock	2	Log	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>Black Cherry</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Maple (spp.)</td><td>High</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	Variable	Sapling	White Pine	Low	< 5 feet	Seeding	Black Cherry	Medium	10 - 20 feet	Sapling	Maple (spp.)	High	5 - 10 feet	Sapling
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8	6120 - Lowland Cedar	Poletimber Well	10.3	112	51-80	N/A	Wet, lowland stand with some drainages feeding into Werners Creek. Ash is showing signs of EAB damage.																																																													
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9	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	22.2	103	51-80	N/A	Black ash, cedar, fir with lowland hardwood components. Wet. Standing and running water in alder. Good stocking of diverse lowland regeneration.																																																													
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10	6120 - Lowland Cedar	Poletimber Well	4.5	107	81-110	N/A	Some patches of thicker black spruce within. Ground cover of sphagnum, bunchberry, lab tea noted, as well as some <1' red maple and cherry seedlings.																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11 429 - Mixed Upland Conifers Sawtimber Medium 21.3 120 51-80 N/A

T. sale #024-05 "Deer Trail Block" (unit 1 - W side of road) - cut March, 2008 and (unit 2 - E side of road) - cut Feb, 2008. Ground cover of bracken fern, princess pine, blueberry, raspberry, maple seedlings noted.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	30	Log/XLog	14	120	Quaking Aspen	Low	5 - 10 feet	Sapling
White Spruce	2	Log/XLog	18		Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	2	Sapling/Pole	4		White Spruce	Medium	< 5 feet	Sapling
Red Maple	10	Pole/Log/Sap	8		Hemlock	Low	< 5 feet	Sapling
Yellow Birch	10	Pole/Log	9		White Pine	Low	< 5 feet	Seeding
Northern White Cedar	15	Log/Pole	10		Maple (spp.)	Medium	Variable	Sapling
Sugar Maple	3	Pole	8					
Black Cherry	3	Pole	9					
White Pine	25	XLog/Log	22					

12 4112 - Maple, Beech, Cherry Association Sapling Well 5.8 13 1-50 N/A

Residual white pine, hemlock over even-aged maple/cherry regeneration. T. sale #002-95 "Deer Trail Block (unit 1) - cut June, 2000 and t. sale #024-05 "Deer Trail Block" cut 2009-10. Ground cover of raspberries, grasses, sedge.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	50	Sapling	1	13	White Spruce	Low	< 5 feet	Seeding
Red Maple	40	Sapling	1	13	White Pine	Low	< 5 feet	Seeding
Northern White Cedar	2	Log	12	102	Balsam Fir	Low	< 5 feet	Seeding
White Pine	2	XLog/Log	20					
Balsam Fir	2	Pole	8					
Hemlock	2	Log/XLog	14					
Red Maple	2	Pole/Sapling	5					

13 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 83.7 107 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	4	Pole	8		Black Spruce	Medium	Variable	Sapling
Black Ash	5	Sapling/Pole	4		Black Ash	Low	>20 feet	Sapling
Balsam Poplar	2	Log	11		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	5	Pole/Sapling	7		Yellow Birch	Low	>20 feet	Sapling
Red Maple	8	Pole	8		Red Maple	Low	>20 feet	Sapling
White Pine	5	XLog/Log	22		Paper Birch	Low	>20 feet	Sapling
Yellow Birch	8	Log/Pole	12		Balsam Fir	Medium	5 - 10 feet	Sapling
Hemlock	13	Log/Pole/XLog	12					
White Spruce	2	Log	14					
Red Maple	2	XLog/Log	22					
Northern White Cedar	41	Pole/Log	8	107				
Balsam Fir	5	Pole/Sapling	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	6220 - Alder/willow	Nonstocked	18.5		Unspecified	No	contains portion of Deer Creek

Sub-Canopy Species	Density	Avg. Height	Size
Willow spp.	Low		Tall Shrub
Tag Alder	High		Tall Shrub
Willow spp.	Low		Tall Shrub
Willow spp.	Low		Tall Shrub

15	4119 - Mixed Northern Hardwoods	Poletimber Medium	19.6	97	51-80	N/A	T. sale #024-05 "Deer Trail Block" (unit 3) - cut Jan-Feb, 2010. Ground cover includes: club moss, princess pine, sedges/grasses.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	3	Pole/Log	8	
Sugar Maple	32	Pole/Log	9	
Yellow Birch	10	Log	14	
Red Maple	40	Pole/Log	9	97
Paper Birch	5	Pole	8	
Northern White Cedar	5	Pole/Log	9	
Hemlock	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
White Spruce	Low	5 - 10 feet	Sapling
Maple (spp.)	High	< 5 feet	Sapling
Balsam Poplar	Low	5 - 10 feet	Sapling
White Pine	Low	< 5 feet	Sapling

16	4112 - Maple, Beech, Cherry Association	Sawtimber Well	22.4	87	111-140	N/A	There is old orange paint on the ground we can try to advertise this stand but it may need to be remarked in a different color.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	10	Log/XLog/Pole	16	
Sugar Maple	55	Pole/Log/Sap	9	87
Northern White Cedar	2	Log	14	
Red Maple	10	Log	14	
Hemlock	6	Log/XLog	14	
Ironwood	2	Pole/Sapling	5	
Black Cherry	15	Log	12	

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

Treatment was terminated. Sale was advertised and did not receive a bid on several offerings.

T. sale #002-95 "Deer Trail Block" (unit 2) - select cut fall, 1998 - spring, 2000. Ready for another light thinning to encourage regeneration.

17	4319 - Mixed Upland Forest	Poletimber Medium	11.0	103	51-80	N/A	SWSW portion shelterwood cut under permit #004-96 (unit 1) in 1997 and also contains un-named drainage/creek. Roadside visual buffer left, which contains low quality maple. Some dead balsam fir and overmature aspen noted, esp along Co Rd 444. Trace amount of ironwood, elm.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Log/Pole	10	
Balsam Fir	15	Pole/Log	7	
White Spruce	8	Log/Pole	10	
Sugar Maple	3	Log/Pole	12	
White Pine	5	XLog/Log	18	
Northern White Cedar	5	Log/Pole	10	
Red Maple	40	Pole/Log	8	103
Hemlock	12	Log/Pole	10	
Paper Birch	5	Pole/Log	9	
Yellow Birch	2	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	>20 feet	Sapling
Red Maple	Medium	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18	4319 - Mixed Upland Forest	Sawtimber Well	22.4	102	81-110	N/A	Select cut under t. sale #002-95 "Deer Trail Block" (unit 3) - August-Sept,1998. Patches of hemlock with maple/birch intermixed. Mainly balsam fir understory. Ground cover of club moss, grasses, bracken fern.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Pole/Log	9	102
Yellow Birch	5	Log/XLog/Pole	16	
Balsam Fir	10	Pole	7	
Hemlock	20	Log/Pole	14	
Northern White Cedar	20	Log/Pole	10	
Black Ash	2	Sapling/Pole	4	
Black Cherry	5	Log/Pole	11	
Sugar Maple	13	Pole/Log	8	

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

19	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.4	87	111-140	N/A	Terminated treatment. Sale was advertised and went no bid several times. T. sale #002-95 "Deer Trail Block" (unit 3) - select cut August-Sept, 1998. Ground cover full of small maple seedlings (1-2' hts).
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Pole/Log	9	87
Red Maple	20	Pole/Log	9	
Yellow Birch	5	XLog/Log	20	
Black Cherry	10	Log	14	
Hemlock	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	Sapling
White Spruce	Low	< 5 feet	Seeding
Sugar Maple	Low	10 - 20 feet	Sapling
Hemlock	Low	< 5 feet	Seeding
Black Cherry	Low	< 5 feet	Sapling

20	6120 - Lowland Cedar	Poletimber Well	7.4	104	Unspecified	N/A	Quite a bit of dead balsam fir in overstory. Ground cover includes bunchberry, sedge.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Pole	7	
Red Maple	5	Pole/Log	8	
Northern White Cedar	50	Pole/Log	7	104
Paper Birch	6	Pole	9	
Black Spruce	4	Pole	7	
Quaking Aspen	4	Log	12	
White Spruce	4	Pole/Log	9	
Yellow Birch	20	Log/XLog/Pole	16	
Hemlock	2	Log	12	
Balsam Poplar	3	Log	11	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	Low	5 - 10 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Black Ash	Medium	< 5 feet	Sapling
Maple (spp.)	Low	< 5 feet	Sapling

21	4110 - Sugar Maple Association	Sawtimber Well	6.7	99	81-110	N/A	Select cut under permit #32/75A - Feb, 1976 and "Mayward's Camp Hardwood" #004-96 (unit 2) - 1999. Stand entered for individual tree selection harvest in 2017 under contract #32-018-16.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	2	Pole	6	
Black Cherry	4	Log/XLog	16	
Sugar Maple	85	Log/Pole/XLog	10	99
Red Maple	4	Log/Pole	11	
Basswood	5	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Sapling
Ironwood	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 16.5 85 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	13	Log/Pole	10	
White Pine	2	XLog	18	
Sugar Maple	7	Pole	7	
Red Maple	40	Log/Pole	12	85
Yellow Birch	5	Log	15	
Black Ash	18	Sapling/Pole	4	
White Spruce	15	Log	12	

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

23 4112 - Maple, Beech, Cherry Association Sawtimber Well 12.2 102 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	10	
Yellow Birch	10	XLog/Log	18	
Black Cherry	30	Log/XLog	16	
White Spruce	5	Log/XLog	16	
Northern White Cedar	2	Log/Pole	10	
Sugar Maple	40	Log/Pole/XLog	10	102
Hemlock	3	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	5 - 10 feet	Tall Shrub
Balsam Fir	Low	5 - 10 feet	Tall Shrub
Maple (spp.)	Medium	Variable	Sapling

Stand harvested as "Stack Memorial Hardwoods" #015-13 cut Feb-March, 2014. Updated now from old field visit notes at sale closing. Lots of Cherry and lots of blow down.

24 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 3.4 90 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	30	Pole/Log	8	90
Yellow Birch	5	Log/Pole	10	
White Spruce	10	Log/Pole	12	
Red Maple	20	Pole/Log	8	
Black Spruce	10	Pole	6	
Balsam Fir	10	Pole/Sapling	5	
Tamarack	10	Pole	8	
Black Ash	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	>20 feet	Sapling
Red Maple	Low	Variable	Sapling
Alder	Low	5 - 10 feet	Tall Shrub

Standing water surrounding stand. Lowland conifer and deciduous mix, Good red maple, spruce regeneration.

25 4110 - Sugar Maple Association Sawtimber Medium 14.9 102 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Log/XLog	16	
Sugar Maple	80	Log/Pole	12	102
Black Ash	2	Pole	9	
Hemlock	3	Log	12	
Yellow Birch	10	XLog/Log	22	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	10 - 20 feet	Sapling
Maple (spp.)	High	< 5 feet	Sapling
Black Spruce	Low	< 5 feet	Sapling
Balsam Fir	Low	< 5 feet	Sapling
Blackberry/Raspberry	Full	< 5 feet	Tall Shrub

T. sale #027-05 "Tower Hardwood" - cut Feb, 2008. Regeneration "holes" created with good regeneration success - some browse noted on seedlings, though. Large yellow birch - good crown form, but a lot are dead and/or dying; wildlife trees only. Conifers mainly on stand edges. Raspberry ground cover.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26	6120 - Lowland Cedar	Poletimber Well	23.4	86	Unspecified	N/A	Fairly open understory - little regeneration. Some dead fir and spruce within; blowdown. Trace amounts of white spruce, hemlock, white pine. Old "grade"/skid trails with 10-20' tagalder.
Canopy Species	% Cover	Size Class	DBH	Age			
Northern White Cedar	90	Pole/Log	8	86			
Balsam Fir	2	Pole	8				
Paper Birch	2	Pole/Log	9				
Balsam Poplar	2	Log	14				
Yellow Birch	2	XLog/Log	18				
Black Spruce	2	Pole	8				
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	Low	< 5 feet	Seeding				

27	4134 - Aspen, Spruce/Fir	Sapling Well	32.8	30	1-50	N/A	OPIC - FMD: A3, 2-3 IN. DBH, 10-30 FT TALL, CUT PRMT # 34-89-1 Aspen fir, with hard wood mix. Occasional cherry or maple wildlife tree retained from previous harvest. Low ground around conifer swamp south. 3-6" diameter. Very wet alder drains on east side.
Canopy Species	% Cover	Size Class	DBH	Age			
Red Maple	8	Sapling/Pole	4				
Quaking Aspen	63	Pole/Sapling	5	30			
Black Cherry	5	Sapling/Pole	3				
Balsam Fir	20	Sapling/Pole	3				
Northern White Cedar	2	Pole	6	86			
Black Ash	2	Sapling/Pole	4				
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	Low	Variable	Sapling				
Sugar Maple	Low	10 - 20 feet	Sapling				
Black Cherry	Low	10 - 20 feet	Sapling				
Alder	Low	5 - 10 feet	Tall Shrub				
White Spruce	Low	5 - 10 feet	Sapling				
White Pine	Low	10 - 20 feet	Sapling				
Tamarack	Low	10 - 20 feet	Sapling				

28	6120 - Lowland Cedar	Poletimber Medium	69.0	96	Unspecified	N/A	Thicker shrub/understory layer with more open canopy.
Canopy Species	% Cover	Size Class	DBH	Age			
Northern White Cedar	50	Log/Pole	10	96			
Black Spruce	5	Pole/Log	8				
Hemlock	13	Log/XLog	14				
Red Maple	7	Pole/Log	9				
Black Ash	10	Sapling/Pole	4				
Yellow Birch	2	XLog/Log	18				
Balsam Fir	8	Pole/Log	8				
Balsam Poplar	5	Log	10				
Sub-Canopy Species	Density	Avg. Height	Size				
Black Ash	Medium	>20 feet	Sapling				
Tag Alder	Medium	5 - 10 feet	Tall Shrub				
Balsam Fir	Low	Variable	Sapling				
Red Maple	Medium	Variable	Sapling				
Balsam Poplar	Medium	10 - 20 feet	Sapling				

29	4115 - Y.Birch, Hemlock NH	Poletimber Medium	26.2	102	81-110	N/A	Small maple timber Ridges and swales - older, legacy type maple, yellow birch with red maple saplings/poles with conifer/ash swales intermixed. Balsam fir dead, snapped and/or dying (blowdown) - regeneration started. Ground cover of club moss, princess pine on uplands.
Canopy Species	% Cover	Size Class	DBH	Age			
Yellow Birch	7	XLog/Log	20				
Black Ash	3	Pole/Sapling	6				
Red Maple	56	Pole/Sap/Log	6	102			
Hemlock	17	Log/Pole	14				
Balsam Fir	10	Pole/Log	9				
Black Cherry	2	Log	14				
White Spruce	2	Log/Pole	12				
Northern White Cedar	3	Pole/Log	9				
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	Medium	Variable	Sapling				
Black Ash	Low	>20 feet	Sapling				
Red Maple	High	>20 feet	Sapling				
Yellow Birch	Low	>20 feet	Sapling				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30 629 - Mixed non-forested wetland Nonstocked 11.0 Unspecified No Deer Creek within

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

31 4112 - Maple, Beech, Cherry Association Poletimber Well 2.2 100 81-110 N/A Island stand of hardwood with thicker conifer along edges.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole/Sapling	7	
Yellow Birch	10	Log/XLog	16	
Balsam Fir	5	Pole	7	
Hemlock	3	Pole/Log	8	
Red Maple	70	Pole/Log	8	100
Northern White Cedar	2	Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Medium	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

32 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 15.3 103 51-80 N/A Black ash,cedar with maple, fir, spruce on slightly higher ground. Majority of stand is wet, standing water.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Pole/Log	8	
Balsam Fir	10	Pole/Sapling	5	
Quaking Aspen	10	Sapling/Pole	4	
Black Ash	50	Pole/Sapling	5	78
Balsam Poplar	10	Sapling/Pole	4	
Northern White Cedar	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	Sapling
Alder	Medium	5 - 10 feet	Tall Shrub

33 6132 - Mixed Lowland Forest with Cedar Poletimber Poor 58.9 85 1-50 N/A Wet swamp stand with sapling ash (dead/dying) and scattered merchantable birch, fir, spruce, cedar. Sphagnum, lichen, grasses ground cover noted. Heavy tagalder.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	2	Pole/Log	8	
Hemlock	5	Pole	9	
Black Spruce	10	Pole	6	
Northern White Cedar	20	Pole/Log	9	
Yellow Birch	5	Pole/Log	8	
Balsam Fir	20	Pole	7	
Black Ash	33	Sapling/Pole	4	85
Red Maple	5	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	Low	10 - 20 feet	Sapling
Tag Alder	Full	5 - 10 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	4119 - Mixed Northern Hardwoods	Poletimber Well	18.3	102	111-140	N/A	Remote island stand of hardwood - not possible access.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	58	Pole/Log	8	102	Maple (spp.)	Medium	>20 feet	Sapling
Yellow Birch	5	Log/XLog/Pole	16		Balsam Fir	Low	5 - 10 feet	Sapling
White Ash	2	Log	12					
White Spruce	6	XLog	22					
Sugar Maple	10	Pole/Log	8					
Black Cherry	10	Log	14					
Northern White Cedar	2	Log/Pole	12					
White Pine	2	XLog	20					
Hemlock	5	Log/Pole	12					

35	4112 - Maple, Beech, Cherry Association	Poletimber Well	3.0	102	81-110	N/A	Island stand of hardwood - low quality stems, firewood quality only. Dead hemlock snag, dead fir. Heavy club moss ground cover.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	2	Log	10		Maple (spp.)	Medium	>20 feet	Sapling
Hemlock	3	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Red Maple	70	Pole/Log	8	102				
Sugar Maple	10	Pole/Sapling	7					
Balsam Fir	5	Pole	7					
Yellow Birch	10	Log/XLog	16					

36	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.0	186	81-110	N/A	Couldn't access: vary wet, to win drain on west, north
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37	4115 - Y.Birch, Hemlock NH	Poletimber Medium	7.2	103	141-170	N/A	Small area of maple/conifers.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	20	Log/XLog	16		Balsam Fir	Medium	Variable	Sapling
Red Maple	30	Pole/Log	8	103				
Black Spruce	5	Pole	7					
Northern White Cedar	15	Pole/Log	9					
White Pine	2	XLog	24					
White Spruce	5	Log/Pole	14					
Balsam Fir	5	Pole	7					
Sugar Maple	10	Pole/Log/Sap	6					
Hemlock	8	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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38 6120 - Lowland Cedar Poletimber Well 44.4 108 111-140 N/A Some mixed conifers and hardwood within.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Log/XLog	16		Red Maple	Low	10 - 20 feet	Sapling
Black Spruce	5	Pole	6		Balsam Fir	High	Variable	Sapling
Balsam Fir	5	Pole/Sapling	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	70	Pole/Log	7	108				
Paper Birch	13	Pole	8					
Red Maple	5	Pole/Sapling	6					

39 6120 - Lowland Cedar Poletimber Medium 84.4 100 Unspecified N/A Patchy old, wildlife quality maple/birch overtopping smaller diameter stems of fir, cedar (4" dbh). Some areas heavier to more pure, larger cedar, and some uprooting noted. Wet site.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	5	Pole/Sapling	5		Balsam Fir	High	Variable	Sapling
Paper Birch	2	Log/Pole	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole/Sapling	5					
White Spruce	2	Log	12					
Hemlock	3	Log	10					
Northern White Cedar	60	Pole/Log/Sap	8	100				
Red Maple	8	Pole/Log	9					
Black Ash	10	Pole/Sapling	5					
Yellow Birch	5	Log/XLog	16					

40 6124 - Lowland Spruce-Fir Poletimber Poor 48.8 87 Unspecified N/A Contains Deer Creek. Pockets of flooded, dead timber within tagalder swamp with scattered timber mainly adjacent to uplands.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Pole/Log	9	108	Balsam Fir	Low	Variable	Sapling
Black Ash	2	Pole/Sapling	5		Tag Alder	Full	10 - 20 feet	Tall Shrub
Yellow Birch	10	Log/XLog	14					
Red Maple	8	Pole/Log	9					
Balsam Fir	30	Pole	7					
White Spruce	30	Log/Pole	12	87				

41 4110 - Sugar Maple Association Sawtimber Well 26.1 104 111-140 N/A Cut under permit #38-97-01 "R.B. Block" (unit 1) - thinned Dec, 1999 - Jan, 2000. Old grass opening within. Basswood mainly in clumps. Still a lot of defects within stand - heavy forking, sweep, cankers. Noted some uprooted cherry sawlog-sized trees. Conifers mainly along fringe of lowland. Maple regeneration is fairly thick, in places.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole/Sap/Log	8		Balsam Fir	Trace	>20 feet	Pole
Yellow Birch	1	Log	16		Sugar Maple	Medium	5 - 10 feet	Sapling
Black Cherry	3	Log/Pole	12		Ironwood	Low	10 - 20 feet	Sapling
Hemlock	1	Log	16					
Basswood	10	Log	12					
White Spruce	1	Log/Pole/Sap	14					
Sugar Maple	80	Log/Pole/Sap	11	104				
Red Maple	2	Pole/Log/XLog	9	104				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42 6131 - Hemlock, White Pine, Maple, Birch Poletimber Medium 5.9 83 51-80 N/A Small patch of slightly higher ground timber.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Log/Pole	12	
Northern White Cedar	12	Log	12	
White Pine	5	XLog	26	
Hemlock	18	Log	14	
Red Maple	35	Pole	5	83
Yellow Birch	5	Log	12	
Paper Birch	5	Pole/Log	8	
Balsam Fir	10	Pole	7	

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

43 4113 - R.Maple, Conifer Sapling Poor 7.0 3 Immature N/A Harvested early spring 2019 by Sanville.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	5	Pole/Log	8	
Hemlock	15	Log/Pole	12	
Red Maple	65	Sapling	2	3
Quaking Aspen	15	Sapling	2	

44 4119 - Mixed Northern Hardwoods Poletimber Medium 12.7 97 51-80 N/A Variable timber - some heavier hardwood portions grading into hardwood/conifer mix. Trace amount of cherry noted.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	10	XLog/Log	18	
Paper Birch	3	Log/Pole	10	
White Spruce	10	Log	11	
Balsam Fir	15	Pole/Log	8	
Northern White Cedar	5	Log/Pole	10	
Red Maple	35	Pole/Log	8	97
Sugar Maple	15	Pole/Sapling	5	
Black Ash	2	Sapling/Pole	4	
Hemlock	5	Log/XLog/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Red Maple	Medium	>20 feet	Sapling
Sugar Maple	Medium	>20 feet	Sapling

45 6129 - Mixed Coniferous Lowland Forest Sawtimber Poor 6.6 105 1-50 N/A T. sale #025-05 "CR Two" (unit 4) - cut January, 2010. Left all hemlock, cedar, white pine, and only balsam fir <8" dbh.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	XLog	20	
Hemlock	65	Log/XLog/Pole	16	105
Balsam Fir	5	Pole	5	
Red Maple	5	Sapling/Pole	3	
Northern White Cedar	20	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Poplar	Medium	10 - 20 feet	Sapling
Red Maple	High	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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46 4136 - Aspen, Mixed Conifer Sapling Poor 3.7 3 Immature N/A Harvested early spring 2019 by Sanville.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	80	Sapling	2	3
Hemlock	5	Log/Pole	10	
Balsam Fir	10	Sapling	2	
Northern White Cedar	5	Sapling/Pole/Log	2	

47 6220 - Alder/willow Nonstocked 17.7 Unspecified No Paper birch saplings 3" dbh avg, 20 - 30 ft ht, balsam fir variable hts and 2 - 5" dbh. Heavy fir perimeter.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium		Sapling
Tag Alder	Full		Tall Shrub
Paper Birch	Medium		Sapling

48 6139 - Mixed Lowland Forest Poletimber Medium 11.4 97 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole/Log	8	
Balsam Fir	25	Sapling/Pole	4	
Northern White Cedar	10	Pole/Log	8	
Hemlock	15	Pole/Log	8	
Red Maple	15	Pole/Sapling	5	
Black Ash	30	Sapling/Pole	3	97

49 6120 - Lowland Cedar Poletimber Well 64.7 100 111-140 N/A Hemlock, spruce mainly on perimeter, near upland. Some "fingers" of ash, red maple with tagalder and heavier fir regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	2	Pole/Sapling	5		Northern White Cedar	Low	>20 feet	Sapling
Northern White Cedar	85	Pole/Sap/Log	5	100	Balsam Fir	Medium	Variable	Sapling
Hemlock	2	Pole/Log	9		Black Spruce	Medium	10 - 20 feet	Sapling
Yellow Birch	2	Log	16		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	3	Pole/Sapling	5		Black Ash	Low	10 - 20 feet	Sapling
Paper Birch	2	Pole	8		Northern White Cedar	Medium	5 - 10 feet	Seeding
Red Maple	2	Log	12					
White Spruce	2	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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50 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 10.8 86 51-80 N/A T. sale #004-95 "CR 444 Hardwood Block" (Unit 7) - never cut, due to wet, soft non-freezing conditions preventing access. Some hazel ground cover noted.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	15	Log	12	
White Pine	2	XLog	22	
Sugar Maple	16	Pole/Sapling	5	
Hemlock	5	Log/Pole	10	
Red Maple	35	Pole/Sapling	6	86
Black Ash	2	Sapling/Pole	4	
Yellow Birch	3	Log/XLog	16	
Black Cherry	5	Log	12	
Quaking Aspen	2	Log	14	
Paper Birch	5	Pole/Log	9	
Balsam Fir	10	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	High	>20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling

51 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 4.7 105 51-80 N/A T. sale #025-05 "CR Two" (unit 2) - cut Jan-Feb, 2010. Shelterwood cut (aspen, birch, spruce/fir removed).

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/XLog	12	
Red Maple	5	Pole/Log	9	
Northern White Cedar	15	Log/Pole	10	
Hemlock	75	Log/Pole	12	105

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	Medium	5 - 10 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling

52 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 22.1 110 51-80 N/A Stand was part of sale #004-95 (Unit 7) but never cut, due to lack of freezing conditions.

Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	10	Pole/Sapling	5	
Red Maple	10	Pole/Sapling	7	86
Balsam Fir	20	Pole/Sapling	6	
White Spruce	10	Log	10	
Northern White Cedar	20	Pole/Log/Sap	9	
Yellow Birch	5	Log/XLog	14	
Paper Birch	5	Pole/Log	8	
Hemlock	20	Pole/Log	8	110

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

53 500 - Water Nonstocked 3.7 Unspecified No Pond fringed with balsam fir.

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54 4115 - Y.Birch, Hemlock NH Sawtimber Well 63.8 103 51-80 N/A T. sale #025-05 "CR Two" (unit 1,3) - select cut Jan-Feb, 2010. Mainly red maple stand with good component of hemlock scattered throughout, some as thicker patches. Slightly higher grounds contain sugar maple. Variable regeneration stocking.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	XLog/Log	18		Red Maple	High	5 - 10 feet	Sapling
White Spruce	2	Log	16		Balsam Poplar	Medium	5 - 10 feet	Sapling
Quaking Aspen	2	Log	14		Balsam Fir	Medium	Variable	Sapling
Hemlock	16	Log/Pole	14		Quaking Aspen	Medium	10 - 20 feet	Sapling
Northern White Cedar	2	Log	10					
Sugar Maple	13	Pole/Log	9					
Black Ash	2	Pole/Log	8					
Red Maple	50	Log/Pole	12	103				
Black Cherry	2	Log	10					
Yellow Birch	6	Log	16					

55 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Poor 6.6 77 1-50 N/A T. sale #026-05 "County Pit Hardwood" (unit 3) - cut Jan., 2007. Final harvest with leave trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole/Sapling	6		Balsam Poplar	Medium	10 - 20 feet	Sapling
Balsam Fir	10	Sapling/Pole	4		Maple (spp.)	Medium	5 - 10 feet	Sapling
Northern White Cedar	10	Pole/Sapling	8		Balsam Fir	Medium	Variable	Sapling
Paper Birch	40	Pole/Sapling	5	77	Black Ash	Low	10 - 20 feet	Sapling
Red Maple	30	Sapling/Pole	4		Tag Alder	High	5 - 10 feet	Tall Shrub

56 6220 - Alder/willow Nonstocked 5.8 Unspecified No Old trail road/crossing still visible - unsure of condition, due to snow cover.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full		Tall Shrub
Balsam Fir	Low		Pole
Black Ash	Medium		Pole
Northern White Cedar	Low		Pole
Red Maple	Low		Pole

57 4112 - Maple, Beech, Cherry Association Poletimber Well 15.8 99 111-140 N/A Difficult access across Deer Creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Log	14		Sugar Maple	Medium	>20 feet	Sapling
Northern White Cedar	2	Pole/Log	9					
Hemlock	2	Log/Pole	16					
Black Cherry	5	Log	12					
Red Maple	5	Pole/Log	7					
Sugar Maple	74	Pole/Sap/Log	8	99				
Yellow Birch	10	XLog/Log	18					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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62	6220 - Alder/willow	Nonstocked	10.2		Unspecified	No	contains branch of Deer Creek; beaver activity																
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Full</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Northern White Cedar</td> <td>Medium</td> <td></td> <td>Pole</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> </tbody> </table>						Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Full		Tall Shrub	Northern White Cedar	Medium		Pole	Balsam Fir	Medium		Sapling
Sub-Canopy Species	Density	Avg. Height	Size																				
Tag Alder	Full		Tall Shrub																				
Northern White Cedar	Medium		Pole																				
Balsam Fir	Medium		Sapling																				

63	6220 - Alder/willow	Nonstocked	6.0		Unspecified	No	Lowland brush with scattered timber - tagalder 10 - 20 ft hts.																				
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Sub-Canopy Species	Density	Avg. Height	Size																								
Northern White Cedar	Low		Pole																								
Red Maple	Low		Pole																								
Black Spruce	Low		Pole																								
Tag Alder	Full		Tall Shrub																								

64	6130 - Fir, Aspen, Maple	Poletimber Well	23.1	96	Unspecified	N/A	A mixed stand - primarily lower ground with small upland knob.																																																							
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White Pine	3	XLog	20																																																											
Northern White Cedar	5	Log/Pole	10																																																											

65	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	20.8	105	81-110	N/A																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66 6132 - Mixed Lowland Forest with Cedar Poletimber Well 13.7 113 Unspecified N/A contains creek/drainages both ends of stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole/Sapling	5		White Spruce	Low	>20 feet	Sapling
Black Spruce	2	Pole	5		Black Spruce	Medium	Variable	Sapling
White Pine	2	XLog	22		Yellow Birch	Low	>20 feet	Sapling
Northern White Cedar	20	Pole/Log	8	113	Tag Alder	Medium	Variable	Tall Shrub
Hemlock	10	Pole/Log	8		Balsam Fir	High	Variable	Sapling
Black Ash	18	Sapling/Pole	4					
Red Maple	18	Pole/Log	7					
Yellow Birch	10	Log/Pole	12					

67 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 102.2 99 51-80 N/A T. sale #004-95 "CR 444 Hardwood Block" (unit 3 - 6) - shelterwood cut Jan, 1996 and Jan, 1997. Mixed upland and lowland grounds - two-aged. Fairly heavy cut, with good regeneration. Small patch (~ 3 acs) of log-sized aspen should be treated with adjacent stand - numerous dead/dying and lots of blowdown already - was not harvested with previous cut.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Pole/Sapling	6		Balsam Fir	Medium	10 - 20 feet	Sapling
Sugar Maple	15	Pole	7		Black Ash	Medium	< 5 feet	Sapling
Northern White Cedar	5	Log/Pole	10		Yellow Birch	Low	>20 feet	Sapling
White Spruce	10	Log/Pole	12		Hazelnut (Beaked)	High	5 - 10 feet	Tall Shrub
Red Maple	23	Pole/Log	8	99	Black Cherry	Medium	>20 feet	Sapling
White Pine	2	Log/XLog	16		Paper Birch	Low	>20 feet	Sapling
Paper Birch	2	Sapling/Pole	4		Maple (spp.)	High	Variable	Sapling
Black Ash	5	Pole/Sapling	5		Balsam Poplar	Medium	10 - 20 feet	Sapling
Yellow Birch	8	Log/Pole	12		Quaking Aspen	Medium	>20 feet	Sapling
Hemlock	10	Log/XLog	14		White Spruce	Medium	Variable	Sapling
Quaking Aspen	5	Pole/Sap/Log	6					
Black Cherry	5	Pole/Log	9					

68 6220 - Alder/willow Nonstocked 2.5 Unspecified No branch of Deer Creek within; fringed with cedar, balsam fir. Tagalder mainly on edges.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace		Pole
Tag Alder	Low		Tall Shrub

69 6220 - Alder/willow Nonstocked 5.7 Unspecified No Lowland brush (tagalder 10 - 20' hts)

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full		Tall Shrub
Balsam Fir	Low		Pole
Northern White Cedar	Low		Pole
Paper Birch	Trace		Sapling
Black Spruce	Low		Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70	4113 - R.Maple, Conifer	Poletimber Well	5.0	98	81-110	N/A	Low quality overall - defective maple, cherry with black knot, yellow birch snags. Lower ground strip on west side drops into smaller ash, yellow birch (3-6" dbh), and balsam fir with tagalder. Trace amount of cedar. Some hazel ground cover noted.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	10	XLog/Log	18	
White Spruce	7	Log	14	
Balsam Fir	2	Pole	6	
Sugar Maple	5	Pole	7	
Hemlock	8	Pole/Log	8	
Black Cherry	15	Log/Pole	11	
White Pine	3	XLog/Log	18	
Red Maple	50	Pole/Log	9	98

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

71	4319 - Mixed Upland Forest	Poletimber Medium	13.7	98	81-110	N/A	Nice hemlock, yellow birch clumps, esp. at north end, with residual overmature/dead aspen, yellow birch over red maple poles elsewhere. Overall stand BA not that high, due to small poles.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2	Log	16	
White Spruce	10	Log	14	
White Pine	2	XLog	28	
Northern White Cedar	3	Pole	9	
Hemlock	30	Log/Pole	10	
Red Maple	36	Pole/Log	8	98
Yellow Birch	12	Log/XLog/Pole	16	
Sugar Maple	3	Pole/Sapling	6	
Black Cherry	2	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Red Maple	Medium	>20 feet	Sapling

72	4119 - Mixed Northern Hardwoods	Poletimber Well	6.8	95	111-140	N/A	Isolated island of hardwood. Some hazel ground cover.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Log	16	
Quaking Aspen	2	XLog	20	95
Northern White Cedar	2	Pole/Log	9	
Red Maple	55	Pole/Log	8	95
Hemlock	5	Pole/Log	9	
White Spruce	5	Log/XLog	12	
Yellow Birch	10	Log/XLog	16	
Sugar Maple	12	Sapling/Pole	4	
White Pine	5	XLog	20	
White Ash	2	Pole	8	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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73 6139 - Mixed Lowland Forest Sawtimber Well 15.7 105 51-80 N/A Some nice thicker hemlock patches. Wet stand - drainage issues.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	10	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
Hemlock	35	Log/Pole	11	105	Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Ash	35	Pole/Log	8					
Yellow Birch	5	Log/Pole/XLog	10					
Black Spruce	2	Pole/Sapling	6					
Balsam Fir	5	Pole/Sapling	6					
Red Maple	8	Pole/Log	8					

74 6132 - Mixed Lowland Forest with Cedar Poletimber Well 15.5 97 Unspecified N/A Wet stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole/Sapling	6		Tag Alder	High	5 - 10 feet	Tall Shrub
White Spruce	8	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Black Spruce	7	Pole	7		Black Ash	High	>20 feet	Sapling
Northern White Cedar	20	Pole/Log	8					
Black Ash	25	Sapling/Pole	4	97				
Yellow Birch	10	Pole/Log	9					
Red Maple	10	Pole	8	97				

75 4319 - Mixed Upland Forest Poletimber Well 32.1 97 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Log/Pole	12		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	20	Pole	8		Black Ash	Medium	10 - 20 feet	Sapling
White Spruce	10	Log	14		Balsam Fir	High	Variable	Sapling
Northern White Cedar	20	Pole/Log	9	111	White Spruce	Low	Variable	Sapling
Black Ash	26	Sapling/Pole	4	97	Red Maple	Medium	Variable	Sapling
Hemlock	2	Log/Pole	12					
Red Maple	15	Pole/Log	9					
Quaking Aspen	2	Log	14					

76 4112 - Maple, Beech, Cherry Association Sawtimber Well 21.6 102 81-110 N/A Stand thinned in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Sap/Log	8	102	Maple (spp.)	Medium	>20 feet	Sapling
Yellow Birch	5	Log/Pole/XLog	12		Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	20	Pole/Log	9	102	Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
White Spruce	5	Log	15		White Pine	Low	< 5 feet	Seeding
Hemlock	5	Log/Pole	10		White Spruce	Medium	< 5 feet	Sapling
White Pine	5	XLog/Log	20					
Black Cherry	20	Log/Pole	10	102				

T. sale #004-95 "CR 444 Hardwood Block" (unit 2) - select cut 1996.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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77 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 16.4 97 51-80 N/A Some larger ash, but mostly saps (3-4" dbh); wet.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Pole	6	
White Pine	2	Log	16	
Northern White Cedar	10	Pole/Log	8	
Balsam Fir	6	Pole/Log	9	
Red Maple	25	Pole/Sap/Log	8	
Black Ash	35	Sapling/Pole	3	97
Yellow Birch	2	Log/Pole	12	
White Spruce	15	Log/Pole	11	

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

78 4112 - Maple, Beech, Cherry Association Poletimber Well 11.5 102 81-110 N/A Stand thinned in 2020.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	XLog/Log	20	
Hemlock	5	Log/Pole	10	
Yellow Birch	5	Log/Pole	12	
White Spruce	5	Log	14	
Sugar Maple	40	Pole/Sap/Log	8	102
Black Cherry	20	Log/Pole	10	102
Red Maple	20	Pole/Log	9	102

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Balsam Fir	Medium	5 - 10 feet	Sapling
White Spruce	Medium	5 - 10 feet	Sapling
Maple (spp.)	High	>20 feet	Sapling
White Pine	Low	< 5 feet	Seeding

T. sale #004-95 "CR 444 Hardwood Block" (unit 1) - select cut 1996.

79 6220 - Alder/willow Nonstocked 7.7 Unspecified No

80 61199 - Lowland Hardwood (OI) Poletimber Medium 1.8 93 51-80 N/A OPIC - FMD: E4F4F2L, DEAD ELMS, FEW RM SAWLOGS, PATCHY HI AREAS. Stand was not examined due to time constraints and because it will not be harvested-too wet; creek flows through stand.

81 6139 - Mixed Lowland Forest Poletimber Well 1.3 111 81-110 N/A Same as stand to the north.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Log/Sap	7	
White Pine	3	Log/XLog	14	
Balsam Fir	15	Pole/Sapling	5	
Yellow Birch	10	Log/Pole	12	
Northern White Cedar	15	Pole/Log	8	111
Black Ash	30	Sapling/Pole	4	111
Black Spruce	10	Pole	5	
White Spruce	2	Log	12	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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82	4115 - Y.Birch, Hemlock NH	Poletimber Medium	3.4	98	81-110	N/A	OPIC - FMD: POOR ACCESS. A stream and wet L type to cross. Leave for riparian buffer. Deer in area. Stand is similar to stand to the north in C. 6 (stand 71).
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	XLog/Log	22		Balsam Fir	Medium	Variable	Sapling
Yellow Birch	15	Log/XLog/Pole	16		Red Maple	Medium	>20 feet	Sapling
White Spruce	10	Log	14					
Black Cherry	2	Log/Pole/Sap	14					
Quaking Aspen	2	Log	16					
Hemlock	20	Log/Pole	10					
Red Maple	41	Pole/Log	8	98				
Sugar Maple	5	Pole/Sapling	6	98				
Balsam Fir	2	Pole	7					

83	6299 - Lowland Shrub (OI)	Nonstocked	1.0		Unspecified	No	OPIC - FMD: L-LOWLAND BRUSH
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Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub

84	4112 - Maple, Beech, Cherry Association	Poletimber Well	22.2	104	81-110	N/A	Stand thinned in 2020.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Log/Pole	12		Balsam Fir	Low	< 5 feet	Seeding
Basswood	1	XLog/Log/Pole	20		White Pine	Low	< 5 feet	Seeding
Black Cherry	9	Log/Pole	10		Maple (spp.)	Medium	>20 feet	Sapling
Ironwood	1	Pole	5		White Spruce	Low	< 5 feet	Seeding
Paper Birch	1	Pole	8		Ironwood	Medium	10 - 20 feet	Sapling
Red Maple	8	Log/Pole	12	104	Black Cherry	Medium	Variable	Sapling
White Spruce	5	Log	16					
White Ash	1	Log	14					
Hemlock	2	Pole/Log	8					
Sugar Maple	68	Pole/Log/XLog	9	104				
White Pine	2	XLog	20					

OPIC - FMD: FDF. CUT PRMT. # 38-97-01 "R.B. Block" (unit 2) - thinned Jan-March, 2001. NICE STAND, ACCESS FROM NORTH. DEER BROWSING ON REPRODUCTION. 2014: Treat in 2015 with C. 6 stand 76 to the north, due to access. Stand contains old white pine stump evidence. Borer damage noted on maple, also some heavy girdling, in places. Not much maple ground cover (1-2' hts) - most is older age class (2-3" dbh).

85	62399 - Marsh (OI)	Nonstocked	4.9		Unspecified	No	Marsh/flooding; tagalder in clumps.
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Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	>20 feet	Pole
White Pine	Trace	5 - 10 feet	Sapling
Black Spruce	Low	>20 feet	Pole
Balsam Fir	Low	>20 feet	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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86	6122 - Black Spruce	Poletimber Well	4.7	88	51-80	N/A	Stand access blocked by drainage/creek and beaver flooding. Small patch of uplands in SE tip.																																						
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87	6299 - Lowland Shrub (OI)	Nonstocked	1.7		Unspecified	No	OPIC - FMD: L-LOWLAND BRUSH		
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Tag Alder	Medium	5 - 10 feet	Tall Shrub						

88	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	5.7	101	51-80	N/A	Lowland hardwoods with conifers; wet site with high water table.																																																										
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Yellow Birch	8	Log/Pole	10																																																														
Black Spruce	7	Pole	6																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Balsam Fir	High	10 - 20 feet	Sapling																																																														
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																														