



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32283

Entry Year: 2026

Acreage: 1,288

County: Marquette

Management Area: Menominee-Marquette

Stand Examiner: Kyle Gould

Legal Description:

T47N, R 23W, Sections 10, 15

Identified Planning Goals:

This compartment is part of the Sand River Lake Plain Management Area. The objectives for the area include: timber harvesting, maintenance or enhancement of wildlife habitat, protection of areas with unique characteristics, and opportunities for forest recreation.

Soil and topography:

Glacial drainage ways, till plains, and ground moraines from topography that is nearly level to moderately steep. Soils are very poorly drained nonacid organic soils, poorly drained loamy soils, well drained loams, and poorly drained loams.

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

The compartment is part of a large block of state ownership. Trail 417 runs through the north end of the compartment along M28.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

Fisheries Values: Minimal to None

Fisheries Concerns: Most of the northern tier of this compartment contains wet areas which drain to Lake LeVassuer. The wet areas do not provide any benefits as a fishery, but still contribute to the natural processes in ground and surface water movement. Any prescribed treatments should use standard BMP's near any wetland areas.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on a Till-floored Lake Plain in northeastern Marquette County. The dominant Natural Communities are mesic northern forest and poor conifer swamps. Major forest cover types include Northern Hardwoods, Aspen, and Hemlock. Wildlife species considerations in the Sand River Lake Plain Man include managing to provide coniferous thermal cover for deer wintering complexes. The emphasis should be on hemlock in this management area as it represents approximately 20% of the WUP hemlock resource. Along with maintaining wildlife movement corridors along vernal and permanent riparian watercourses is also very important. Wildlife management issues in the management area are habitat fragmentation; course woody debris; retain or develop large living and dead standing trees (for cavities); mesic conifer; mature forest; within-stand diversity; 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 10 - 15, T47N-R23W, Marquette County

Surface sediments consist of thin to discontinuous lacustrine (lake) sand and gravel over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. A gravel pit is located in Section 14, and potential appears to be good. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Access to the compartment is good but the access to the interior of the compartment would require building a road.

Survey Needs:

Potential for survey needs in the southeast corner on the compartment for timber sales.

Recreational Facilities and Opportunities:

The Marquette-Manistique Trail runs through the north section of the compartment. It is a gravel ORV and Snowmobile trail.

Fire Protection:

Compartment is mainly lowland timber types that have low fire potential.

Additional Compartment Information:**The following reports from the Inventory are attached:**

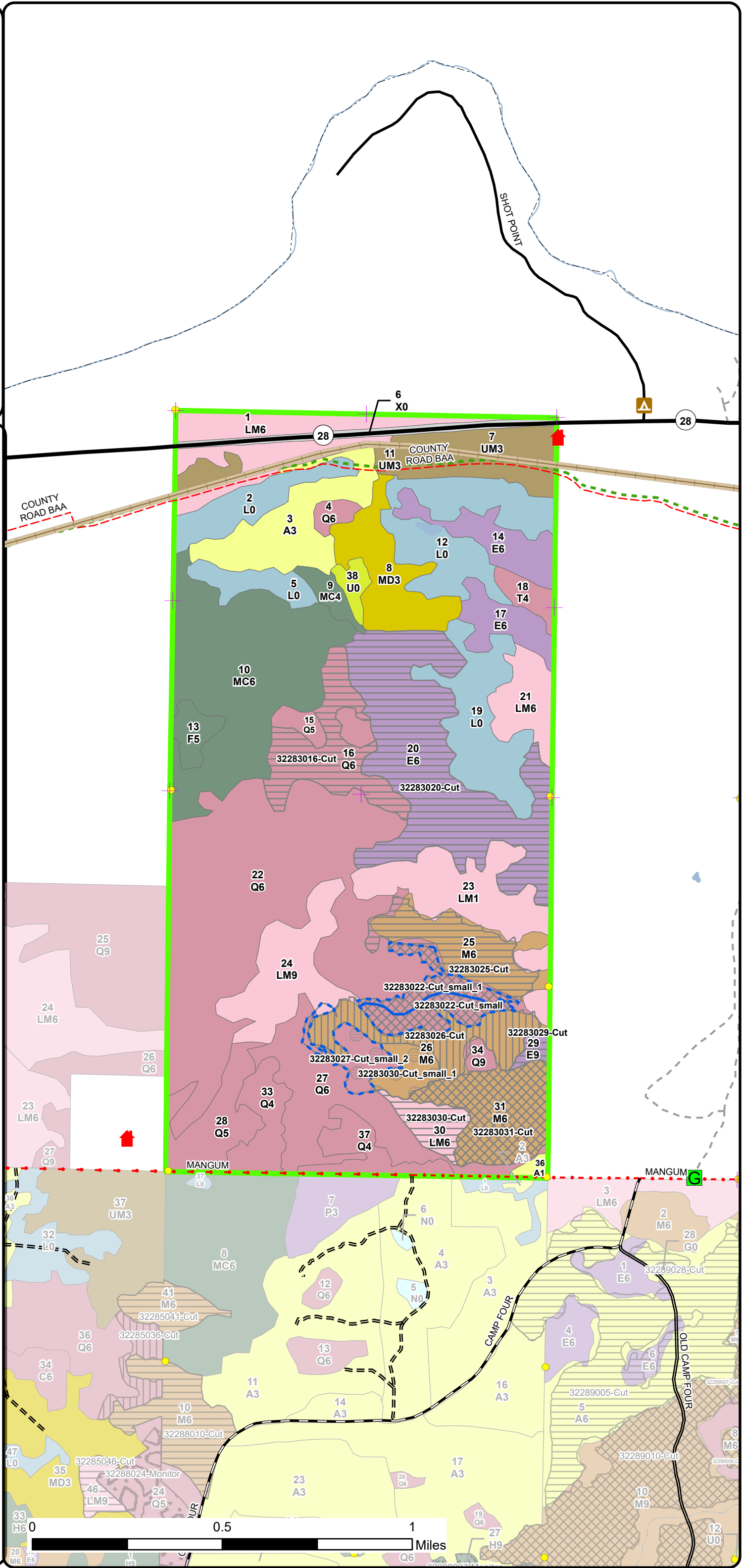
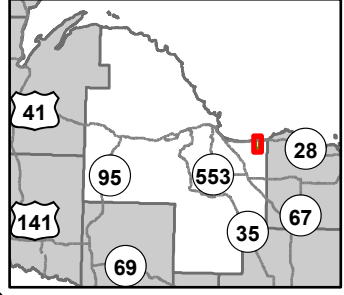
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

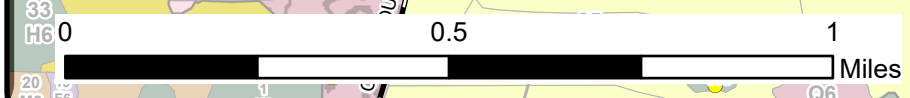
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32283
 T47N, R23W, Sec: 10, 15
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Menominee-Marquette
 YOE: 2026
 Acres: 1288.5 GIS Calculated
 Examiner: Kyle Gould
 Map Revised: 10/03/2024
 Map Phase: Web Post

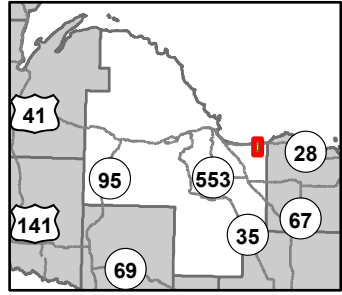


- Designated Hiking Pathways
- Designated ORV Routes
- + Remonumented Section Corners
- Survey Grade Corners
- ▲ Cabin
- G Gate
- ▲ Campground
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- = DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- - - Treatments with Site Conditions
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Patch/Strip Cut (Femelschlag)
- ▨ 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
- 110 - Low Intensity Urban
- 330 - Low Density Trees
- 622 - Lowland Shrub

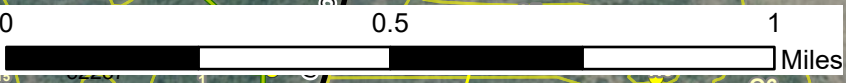
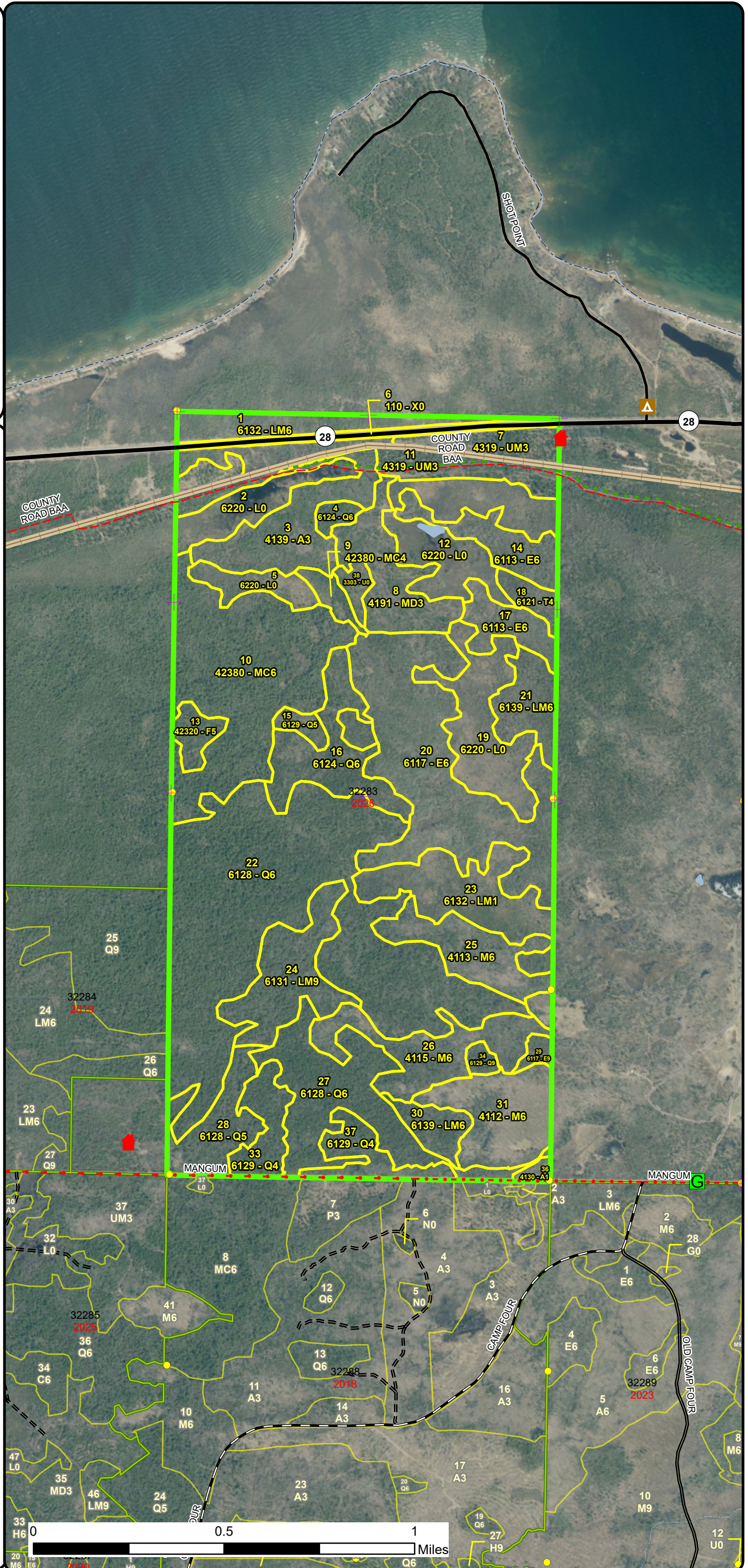


Stand Boundary Map

Compartment: 32283
 T47N, R23W, Sec: 10, 15
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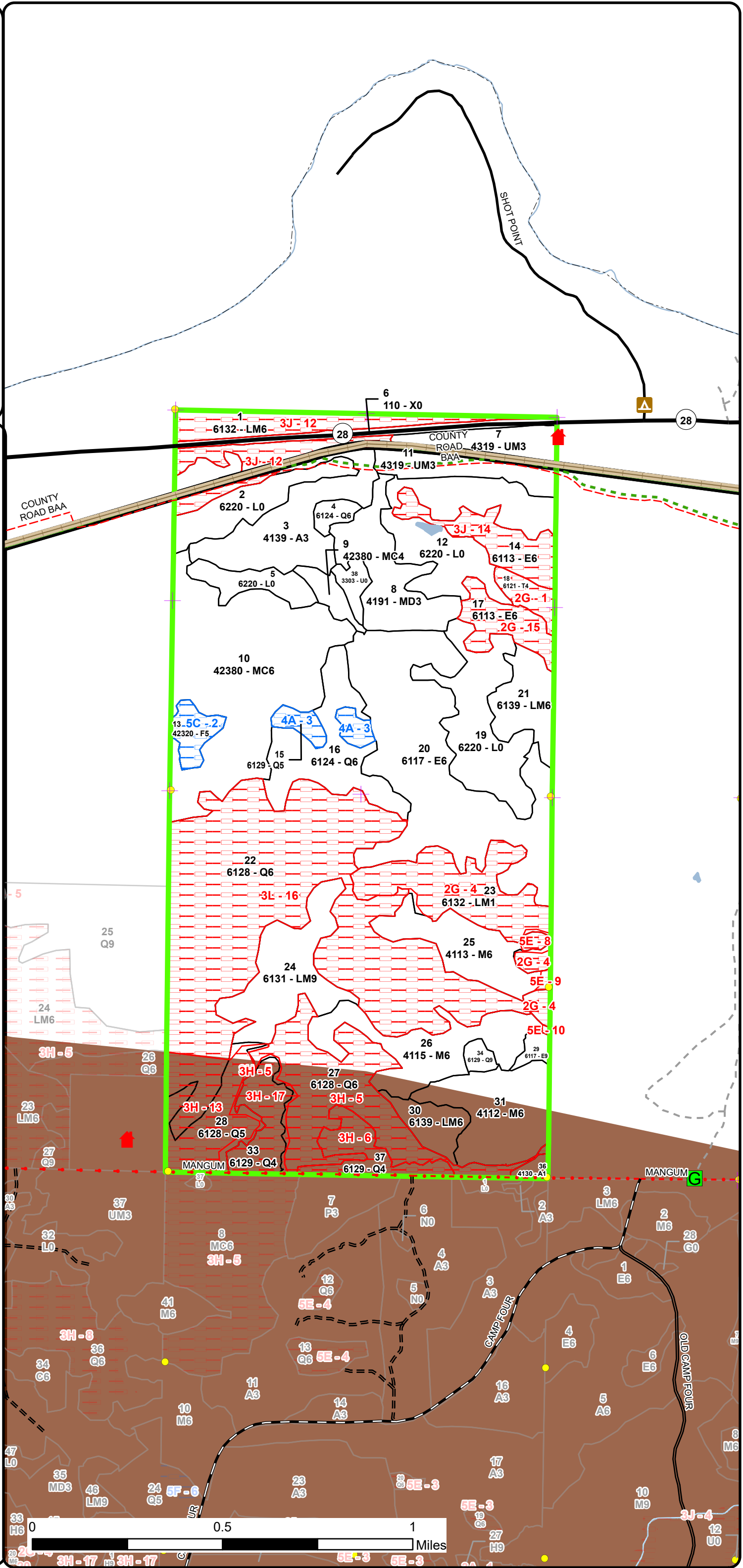
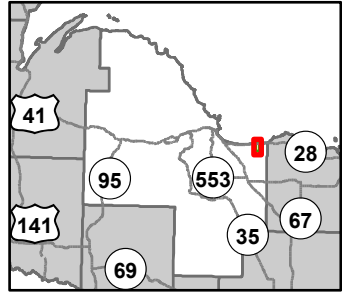


- Designated Hiking Pathways
- Designated ORV Routes
- + Remonumented Section Corners
- Survey Grade Corners
- Cabin
- G Gate
- ▲ Campground
- DNR - Primary Forest Road
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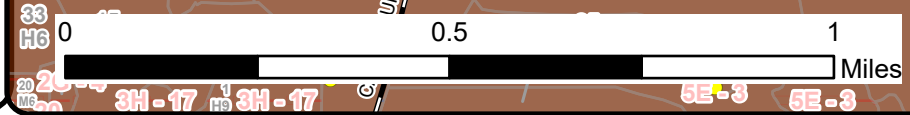


Special Conservation Areas & Site Conditions Map

Compartment: 32283
 T47N, R23W, Sec: 10, 15
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Menominee-Marquette
 YOY: 2026
 Acres: 1288.5 GIS Calculated
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- Designated Hiking Pathways
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 - + Remonumented Section Corners
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 - Federal / State Highway
 - Federal / State / County - Paved Road
 - County - Gravel Road
 - County - Dirt Road (Seasonal)
 - Private - Dirt / Gravel Road
 - Intermittent Stream
 - Lake/Pond
 - Shoreline
 - Lakes and Rivers
 - Compartment Boundary
 - SCA
 - Available w/ Constraints
 - Unavailable
- 4A: No Markets Available for these Forest Products
 5C: Delay treatment for age/size class diversity or exceptional site quality
 2G: Too wet (sensitive soils, does not include access issues)
 3J: Water quality / BMPs (stream, river, or lake)
 3L: Other wildlife concerns
 5E: Long-Term Retention
- Available w/ Constraints
 - Unavailable
 - Stand Boundaries
 - Stand Boundaries
 - Cold Water Streams
 - Deer Winter Range
 - Trail - Trail Corridor



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	3	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	46
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	5	0	0	0	58	0	354	0	0	0	0	0	0	417
Lowland Deciduous	0	0	0	0	0	0	4	0	116	40	0	0	0	0	0	0	0	0	160
Lowland Mixed Forest	0	0	0	0	0	0	0	0	22	105	0	51	0	0	0	0	0	0	178
Lowland Shrub	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
Mixed Upland Deciduous	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Northern Hardwood	0	0	0	0	0	0	0	0	0	116	0	0	0	0	0	0	0	0	116
Tamarack	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Upland Conifers	0	0	0	0	0	0	0	0	0	7	113	0	0	0	0	0	0	0	120
Upland Mixed Forest	0	0	24	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Total	153	3	24	59	0	48	4	0	138	335	121	405	0	0	0	0	0	0	1290



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 283

Total Compartment Acres: 1,288

Commercial Harvest - 287
 Harvests with Site Condition - 40
 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
Lowland Conifers	39	27	13	0	0	0	0	0	0	79
Lowland Deciduous	120	0	0	0	0	0	0	0	0	120
Lowland Mixed Forest	13	0	0	0	0	0	0	0	0	13
Northern Hardwood	33	41	11	0	30	0	0	0	0	115
Total	205	68	24	0	30	0	0	0	0	327

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	327	0	0	0	0	0	0	0	0	327
Next Step	0	0	0	0	0	0	327	0	0	327
Total	327	0	0	0	0	0	327	0	0	653



Stand Name	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:

16	32283016-Cut	39.2	6124 - Lowland Spruce-Fir	Poletimber Well	83	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
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Prescription Clearcut. Reserve cedar, hemlock and white pine. Winter harvest due to deer yard and wet access roads.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any species currently found on site.

Regen:

Other Leave retention where it makes sense, possibly a wetter area. The road through the stand is not visible on the ground. Treat with stand 20.

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

20	32283020-Cut	116.1	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	76	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Clearcut, reserve cedar, hemlock, yellow birch, and white pine. Exclude areas of smaller diameter or very wet soils. Retention should include some large, forked crown bigtooth aspen. Treatment shape and size may vary significantly on the ground. Winter harvest due to deer yard and wet access road.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any species currently found on site

Regen:

Other Access can be from north or south. Will require building a road into stand 20. The road to the west on the map is not visible on the ground.

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

29	32283029-Cut	3.8	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	55	81-110	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Clearcut, leave cedar, hemlock, and white pine. Mark some yellow birch or leave all if it makes sense. No retention due to small stand size.

Specs: The north edge of the stand is wet and may need to be excluded. Winter or dry summer harvest only.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable An species currently found on site.

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
30 32283030-Cut	12.8	6139 - Mixed Lowland Forest	Poletimber Well	84	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut, reserve cedar, hemlock, yellow birch, and white pine. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any species currently found on site. <u>Regen:</u> <u>Other</u> Retention should be along south edge along drain or a patch of heavy cedar and hemlock. Deer wintering spec. Winter cut only. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
31 32283031-Cut	40.9	4112 - Maple, Beech, Cherry Association	Poletimber Well	88	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 70-80 BA. Open up areas with advanced regen and create canopy gaps. Ensure operability when marking. Leave all hemlock. <u>Specs:</u> Winter harvest due to deer yard. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, birch, hemlock <u>Regen:</u> <u>Other</u> Exclude the vernal ponds. There is an old road going north from the opening through the stand to shorten the skidding distance. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										

Approved Treatments:

22 32283022-Cut_small	14.4	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	106	81-110	Harvest	Group Selection	613 - Lowland Mixed Forest	Uneven-Aged	No
<p><u>Prescription</u> Final harvest areas along stand 26 and 25 boundary to promote diversity and possible food for deer yard area. Do not cut cedar or hemlock <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> natural regen, spp will be what is present now. <u>Regen:</u> <u>Other</u> Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk. Old next step comments: Regen counts - natural regen, spp <u>Comment:</u> will be what is present now. <u>Site Condition:</u> Wildlife Concerns <u>Proposed Start Date:</u> 10/1 /2015</p>										



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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22	32283022-Cut_small_1	12.5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	106	81-110	Harvest	Group Selection	613 - Lowland Mixed Forest	Uneven-Aged	No
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Prescription Specs: Final harvest areas along stand 26 boundary to promote diversity and possible food for deer yard area. Do not cut cedar or hemlock

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

Acceptable Regen: natural regen, spp will be what is present now.

Other Comment: Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk. Old next step comments: Regen counts - natural regen, spp will be what is present now.

Site Condition: Wildlife Concerns

Proposed Start Date: 10/1 /2015

25	32283025-Cut	32.7	4113 - R.Maple, Conifer	Poletimber Well	82	81-110	Harvest	Clearcut with Retention	4113 - R.Maple, Conifer	Even-Aged	No
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Prescription Specs: Remove all species except for white pine, hemlock and cedar. Retain big tooth aspen in retention pockets. Harvest in the winter on frozen ground.

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

Acceptable Regen: Regeneration same as the spp already present.

Other Comment: Winter Harvest. There is more blow down at the north end of the stand, no chipping due to SGF- Am. Martin, Red Shouldered hawk. Old next step comments: Monitor for natural regeneration - will get same species present as what is there now.

Site Condition:

Proposed Start Date: 10/1 /2015

26	32283026-Cut	30.2	4115 - Y.Birch, Hemlock NH	Poletimber Well	84	51-80	Harvest	Shelterwood with Retention	4115 - Y.Birch, Hemlock NH	Two-Aged	No
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Prescription Specs: Final harvest leaving hemlock, cedar and yellow birch. Mostly high ground but some areas of wet; stand should be harvested in frozen conditions. Retain big tooth aspen in regen pockets.

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

Acceptable Regen: Regeneration of spp already present.

Other Comment: No chipping due to SGF- Am. Martin, Red Shouldered hawk. Old next step comments: Natural regeneration- same species will regenerate as in the stand now.

Site Condition:

Proposed Start Date: 10/1 /2015

27	32283027-Cut_small_2	12.9	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	106	81-110	Harvest	Strip/Patch/Gap Cut (Femelschlag)	613 - Lowland Mixed Forest	Uneven-Aged	No
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Prescription Specs: Final harvest removing all spp. Do not cut cedar or hemlock. There will be areas where the BA is high and may need to be excluded from the treatment.

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

Acceptable Regen: Regeneration of spp already present.

Other Comment: Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk. Old next step comments: Regen check. Natural regeneration of the spp that are present now.

Site Condition: Deer Wintering Area

Proposed Start Date: 10/1 /2015



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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
26 32283030-Cut_small_1	11.1	4115 - Y.Birch, Hemlock NH	Poletimber Well	84	51-80	Harvest	Strip/Patch/Gap Cut (Femelschlag)	613 - Lowland Mixed Forest	Uneven-Aged	No
<p><u>Prescription Specs:</u> Final Harvest removing all spp except hemlock and cedar. Some areas will have a higher BA of these spp and should not be part of the treatment.</p> <p><u>Next Step Treatments:</u> ; ; ; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Regeneration spp same as what is present.</p> <p><u>Other Comment:</u> Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk. Old next step comments: Regen check - natural regen of spp that are currently present.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>										

Total Treatment 326.6
Acres Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit
Kyle Gould: Examiner

Compartment: 283
Year of Entry: 2026



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
45	45	0	0
6	6	0	0
417	52	10	355
160	120	0	40
177	78	0	100
134	134	0	0
36	36	0	0
116	112	0	3
8	0	0	8
120	120	0	0
47	47	0	0
9	0	9	0
13	13	0	0
1,288	763	19	506
	59%	1%	39%

Dominant Site Conditions

	Availability for Management			Dominant Site Conditions						
	Acres Available	Acres Avail With Condition	Acres Not Available	4A	5C	2G	3H	3J	3L	5E
45	45	0	0	Aspen						
6	6	0	0	Low-Density Trees						
417	52	10	355	10			140		215	
160	120	0	40	Lowland Deciduous		18		23		
177	78	0	100	Lowland Mixed Forest		50	0	50		
134	134	0	0	Lowland Shrub						
36	36	0	0	Mixed Upland Deciduous						
116	112	0	3	Northern Hardwood						
8	0	0	8	Tamarack		8				
120	120	0	0	Upland Conifers						
47	47	0	0	Upland Mixed Forest						
9	0	9	0	Upland Spruce/Fir		9				
13	13	0	0	Urban						
1,288	763	19	506	10	9	75	140	73	215	3
	59%	1%	39%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High water table-stand will not become merchantable.							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	2E: Road needed	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: treat when surrounding stand is harvested.							

Report 4 – Site Conditions

Gwinn Mgt. Unit
 Kyle Gould: Examiner

Compartment: 283
 Year of Entry: 2026



3	Available	4A: No Markets Available for these Forest Products	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High water table will keep the stand from not being merchantable.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High water table-stand will not become merchantable.							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	62	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
 Kyle Gould: Examiner

Compartment: 283
 Year of Entry: 2026



10	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Several drains running through the stand.							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very wet soils. Drains in the stand.							
16	Unavailable	3L: Other wildlife concerns	215	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Kyle Gould: Examiner

Compartment: 283
Year of Entry: 2026



17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	21	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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	50.2	84	1-50	N/A	Some scattered white pine and yellow birch. Wet ground, poor quality trees because of water. There are pockets of lower ground with little BA																																											
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2	6220 - Alder/willow	Nonstocked	23.1			No	Beaver Flooding, appears to be expanding so timber mortality is spreading.																																											
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3	4139 - Aspen, Mixed Deciduous	Sapling Well	42.6	43	81-110	N/A	Stand cut in 1981 under final harvest. Good beaver activity in the area some of the edges will die off because of the water table. Stand holds water for a long time but is mainly upland. The balsam fir is dying out and the understory is mostly open.																																											
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4	6124 - Lowland Spruce-Fir	Poletimber Well	4.8	43	51-80	N/A	Cut all the way around, some high ground and will eventually convert to cedar if treatment doesn't occur. Fir is starting to die out.																																											
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5	6220 - Alder/willow	Nonstocked	13.6			No	Tag alder and a few scattered trees. It was dry enough to walk through to reach stand 20 this December. The trees are stunted due to wet soils.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6 110 - Low Intensity Urban Nonstocked 12.8 No M-28 roadway

7 4319 - Mixed Upland Forest Sapling Well 23.7 15 1-50 N/A Stand cut in 2009. Good regeneration from harvest. There is a white pine, aspen, red pine, and a little red pine regen. The residual trees from the last harvest are holding well.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log/XLog	16	96
Red Pine	20	Log/XLog	14	96
Red Maple	15	Sapling/Pole	3	
Bigtooth Aspen	32	Sapling/Pole	3	15
Balsam Fir	3	Sapling	1	
Black Spruce	15	Sapling/Pole	2	15
White Pine	10	Sapling	2	

8 4191 - Mixed Upland Deciduous with Conifer Sapling Well 36.3 25 51-80 N/A Stand was harvested in 1999- good regeneration. There are some areas that are a bit lower and will hold water longer, this is where the conifer is growing well.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Sapling	2	
Balsam Fir	10	Sapling	2	
Bigtooth Aspen	20	Sapling	2	
Quaking Aspen	15	Sapling	2	
Paper Birch	20	Sapling	2	
Red Maple	25	Sapling	2	25

9 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Poor 7.0 83 1-50 N/A Sparsely stocked stand of spruce and other conifer. Low BA and small diameters.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole/Sapling	7		White Pine	Low	< 5 feet	Sapling
Red Maple	40	Pole/Sapling	7	83	Red Maple	Medium	< 5 feet	Sapling
Black Spruce	30	Pole/Sapling	7	83	Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	10	Pole	10		Balsam Fir	Medium	< 5 feet	Sapling

10 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Well 113.3 96 111-140 N/A Some areas were picked through in 1983. Lots of good hemlock regen. The stand is borderline upland/lowland ground. Fairly rocky. The cedar and hemlock are too thick to go through with machines.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	5	Pole	8		Hemlock	Medium	Variable	Sapling
Northern White Cedar	10	Pole/Log	8		Northern White Cedar	Low	Variable	Sapling
Yellow Birch	5	Log/Pole	12					
Hemlock	40	Log/Pole	13	96				
Paper Birch	5	Pole/Sapling	8					
Quaking Aspen	5	Pole	8					
Red Maple	20	Pole/Log	9					
Balsam Fir	10	Pole/Sapling	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11	4319 - Mixed Upland Forest	Sapling Well	22.9	25	1-50	N/A	Regeneration is just reaching merchantable size. Large white and red pine are residual from the cutting. There are still conifer seeding in the more open areas.																																								
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12	6220 - Alder/willow	Nonstocked	52.3			No	Beaving Flooding, appears to be expanding so timber mortality is spreading.																								
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13	42320 - Upland Spruce	Poletimber Medium	9.4	83	51-80	N/A	Mature spruce/fir stand. Access is difficult but possible.																																			
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14	6113 - Lowland Maple	Poletimber Well	22.6	84	51-80	N/A	Poor quality trees. Wet soils and several drains running north and south and areas of tag alder.																																										
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15	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	9.9	106	1-50	N/A	High water table, stand is more of a S4 type and very stunted.																																														
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16	6124 - Lowland Spruce-Fir	Poletimber Well	39.2	83	51-80	N/A	Spruce mix stand that is ready for harvest. Diameters are variable. Treat with stand 20.																																														
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17	6113 - Lowland Maple	Poletimber Well	17.7	86	51-80	N/A	Areas of M3 possible beaver cuttings. Possible drain in the center of the stand - not 100% sure because of the snow depth. Trace amounts of black spruce. Diameter and stocking levels are low due to the very wet soils.																																														
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18	6121 - Tamarack	Poletimber Poor	8.2	96		N/A	basic T4/S4 - poor quality, high water table, stand will remain stunted.																																														
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19	6220 - Alder/willow	Nonstocked	44.9			No																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 116.1 76 51-80 N/A Stand is a mix of upland and lowland - picked lowland because it would be best to cut stand on frozen ground. It would not be impossible to treat in a dry year.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	11	Pole/Log	9	
Black Spruce	15	Pole/Sap/Log	7	
Northern White Cedar	2	Pole	8	
Yellow Birch	2	Pole/Log	9	
Balsam Fir	15	Pole/Sapling	6	
Red Maple	35	Pole/Log	9	76
Bigtooth Aspen	5	Pole/Sapling	8	
Paper Birch	15	Pole/Sapling	8	

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

21 6139 - Mixed Lowland Forest Poletimber Well 21.6 76 81-110 N/A Lowland conifers with a little red maple and aspen mixed in.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Pole	9	
Northern White Cedar	2	Pole	9	
Tamarack	14	Pole/Log	9	
Yellow Birch	2	Pole	9	
Balsam Fir	5	Pole/Sapling	6	
Paper Birch	15	Pole/Sapling	6	
Black Spruce	35	Pole	7	76
Red Maple	15	Pole	8	76
White Pine	2	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Aspen (spp.)	Low	Variable	Sapling

22 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 228.2 106 81-110 N/A Stand is not really a lowland but with the high water table it should be harvested in frozen conditions. There are a couple small drains in the stand but dry up in the dry part of the year. Trace amounts of XL white pine. Good regeneration of hemlock and cedar in areas where blow down has occurred. The hemlock and cedar are thick enough to make operability very challenging. The maple and other species are small and barely merchantable.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	40	Log/Pole	12	106
Yellow Birch	5	Log/Pole	12	
Balsam Fir	10	Pole/Sapling	7	
Red Maple	25	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Hemlock	Low	Variable	Sapling

23 6132 - Mixed Lowland Forest with Cedar Sapling Poor 50.9 106 1-50 N/A High water table is keeping timber production low. There are some "higher" areas and this is allowing for trees to grow but stand will not become merchantable.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	6	Sapling	3	
Balsam Fir	7	Sapling	3	
Black Spruce	7	Sapling	4	
Northern White Cedar	40	Sapling/Pole	6	106
Red Maple	40	Sapling/Pole	6	106

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	Variable	Tall Shrub
Bog Birch	Medium	Variable	Tall Shrub
Bog Willow	Medium	Variable	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Well 41.8 86 81-110 N/A More drains in the stand than the surrounding areas but still many areas of higher ground. More cedar and hemlock not cut stand would be inoperable. The road on the east end of the stand is not visible on the ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Pole/Log/Sap	9	86	Balsam Fir	Low	< 5 feet	Sapling
Yellow Birch	10	Log	14		Hemlock	Low	5 - 10 feet	Sapling
Northern White Cedar	15	Log/Pole	12		Red Maple	Low	5 - 10 feet	Sapling
Hemlock	30	Log/Pole	12	96				

25 4113 - R.Maple, Conifer Poletimber Well 33.1 82 81-110 N/A 2014 - Cedar was cut out back when, H1/M1/F2 pocketed in the understory. Saw only trace amounts of white pine and cedar. There is more blow down on the north side of the stand against the open area. 2024 - Under contract 32-110-16.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole/Sapling	7		Red Maple	Low	Variable	Pole
Hemlock	10	Pole/Log	12		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	5	Pole/Log	9		Hemlock	Low	Variable	Sapling
Black Spruce	5	Log/Pole	12					
Red Maple	65	Pole/Log/Sap	9	82				

26 4115 - Y.Birch, Hemlock NH Poletimber Well 41.4 84 51-80 N/A Leave cedar, hemlock, and yellow birch when cut. Under contract 32-110-16

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	5	Pole/Log	9		Red Maple	Low	5 - 10 feet	Sapling
Yellow Birch	5	Pole	9		Hemlock	Low	5 - 10 feet	Sapling
Red Maple	55	Pole/Sap/Log	8	84	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	5	Pole/Sapling	8					
Bigtooth Aspen	5	Pole/Log	12					
Hemlock	20	Pole/Log	10					
Sugar Maple	5	Pole/Sap/Log	9					

27 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 64.5 106 81-110 N/A In open areas there is excellent hemlock, red maple and yellow birch regeneration. Stand has wet areas but could be worked in frozen conditions. Some cedar and hemlock would have to be harvested to operate. The southeast part of the stand has a drain running through it.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	10		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	5	Pole/Log	8		Hemlock	Low	5 - 10 feet	Sapling
Black Spruce	10	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
Hemlock	50	Log/Pole	14	106				
Yellow Birch	5	Log/Pole	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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28 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 28.8 106 51-80 N/A Drain runs through the center of the stand. High water table inhibits good growth on the timber, cedar is not as affected as the red maple.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole/Sapling	7	106
Balsam Fir	5	Pole/Sapling	7	
Northern White Cedar	25	Pole/Log	10	
Black Ash	5	Pole/Sapling	7	
Black Spruce	10	Pole	9	
Hemlock	35	Log/Pole	10	106

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	10 - 20 feet	Tall Shrub

29 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Well 3.8 55 81-110 N/A Wet ground, particularly the north end.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	10	Log/Pole	10	
Black Spruce	5	Pole	9	
Balsam Fir	5	Pole/Sapling	8	
Northern White Cedar	2	Pole/Log	10	
White Ash	20	Pole/Log	9	
Red Maple	40	Pole	9	55
Quaking Aspen	10	Log/Pole	11	55
Yellow Birch	8	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Hemlock	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

30 6139 - Mixed Lowland Forest Poletimber Well 12.8 84 81-110 N/A Both lowland and upland, could be either of the two. Used lowland to keep the idea of harvesting on frozen or dry ground. Fir is falling out

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/Pole	12	
Hemlock	20	Log/Pole	12	
Red Maple	30	Pole/Sapling	8	84
Quaking Aspen	15	Pole	8	
Black Spruce	10	Pole	10	
Northern White Cedar	15	Log/Pole	12	
Balsam Fir	5	Pole/Sapling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling
Hemlock	Low	Variable	Sapling

31 4112 - Maple, Beech, Cherry Association Poletimber Well 41.1 88 111-140 N/A Thinned in 1999. Very rocky ground. pole size maple that is ready for a harvest. There is an old opening in the south end of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	Log	12	
White Spruce	5	Log	12	
Red Maple	15	Pole/Log	9	88
Balsam Fir	5	Sapling	5	
Yellow Birch	5	Log/Pole	12	
Sugar Maple	65	Pole/Log	9	88

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling
Serviceberry (Juneberry)	Low	Variable	Tall Shrub
Balsam Fir	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
33	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	19.0	106	1-50	N/A	Cut by Heidtman logging under Mangum Four Mix 32-103-16																																																			
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34	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	3.7	106	111-140	N/A	Dense stand of cedar and hemlock with some large yellow birch and a mix of other species.																																																			
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36	4130 - Aspen	Sapling Poor	2.8	8	Immature	N/A	Cut by Heidtman logging under Mangum Four Mix 32-103-16																																																			
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37	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	18.7	84	1-50	N/A	Cut by Heidtman logging under Mangum Four Mix 32-103-162024 - good aspen and maple regen in the areas harvested. There are a couple drains along Mangum Rd that were excluded from the harvest.																																																			
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38	3303 - Mixed Low Density Trees	Nonstocked	5.8	0		No	Stand was harvested in 1999- This was a part of stand 8. Beavers built a large dam along the road on the east edge of the stand and killed most of the regeneration in this area. The dam is on a very small drain.																																																			