



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32233

Entry Year 2026

Acreage: 1,122

County Marquette

Management Area: Suomi Till and Outwash Plain

Stand Examiner: Eric Brolin

Legal Description:

T45N, R29W, Sec. 01, 02, 04.

Identified Planning Goals:

Break up aspen age classes for larger mature stands in the area. Look for opportunities to convert poor quality aspen sites or openings to pine types due to areas of droughty soils within the compartment.

Soil and topography:

Surface sediments consist of coarse textured glacial till with peat and muck. There is very little wetland area within this compartment. Some smaller level bogs and fairly level grass openings, most of the ownership consists of rolling hills to only slightly hilly upland terrain.

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

This compartment is bordered by mostly State land on all sides except the West, but has parcels of both corporate and non-industrial small ownerships within and to the west of this compartment. Development is minimal with cottages or dwellings surrounding Helen Lake in section 3. A few seasonal hunting camps occupy the other scattered more remote private parcels. Production of forest products along with low key recreational activities such as hunting, trapping, hiking, berry picking and snowmobiling make up the land uses within this ownership.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Promote and keep intact the buffers around the kettle ponds and lake within this compartment for wildlife and aesthetic purposes.

Watershed and Fisheries Considerations:

This compartment borders the northern shore of Helen Lake. A minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended for Round Lake to protect shoreland areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Soumi Till and Outwash Management Area, on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; coarse woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for the Soumi Till and Outwash Management Area: Blackburnian Warbler, Golden-winged Warbler, Kirtland's Warbler, Red Crossbill, Black-backed Woodpecker, Ruffed Grouse, American Marten, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This rock could be used as a building or dimension stone. A gravel pit is located in Section 10 and potential appears to be good on the uplands. The abandoned Republic iron mine is located three miles to the north. None of the State land in the compartment is leased for metallic exploration, but previous leases in Sections 32 & 36 were located in the townships to the north. There is no

economic oil and gas production in the UP.

Vehicle Access:

County roads FFG & FNN provide primary access with numerous small two track roads scattered within the compartment to provide access to the public.

Survey Needs:

No survey needs are required for this year of entry.

Recreational Facilities and Opportunities:

No developed recreational facilities exist within this compartment. A groomed snowmobile trail does exist within Sections 1 & 2. Other recreational activities that occur within this compartment include hunting, hiking, biking, berry picking, bird watching, trapping, etc.

Fire Protection:

This compartment is included within the "581 Zone Dispatch" area which provides for a pre-planned dispatch of specified fire equipment from within the Gwinn and Crystal Falls Management Units. This dispatch is dependent on the severity of forecast burning conditions for the specified day. Areas of jack pine and red pine cover types with the encroachment of recreational seasonal dwellings have warranted this pre-planning. Mutual aide agreements with local township volunteer fire departments also provide critical fire suppression response, especially in the area of structure fire and/or protection, and evacuations.

Additional Compartment Information:

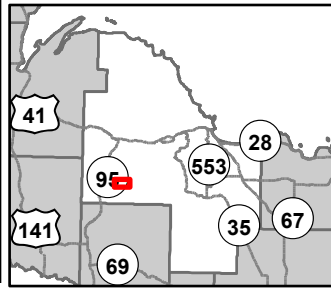
The following reports from the Inventory are attached:

- 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**

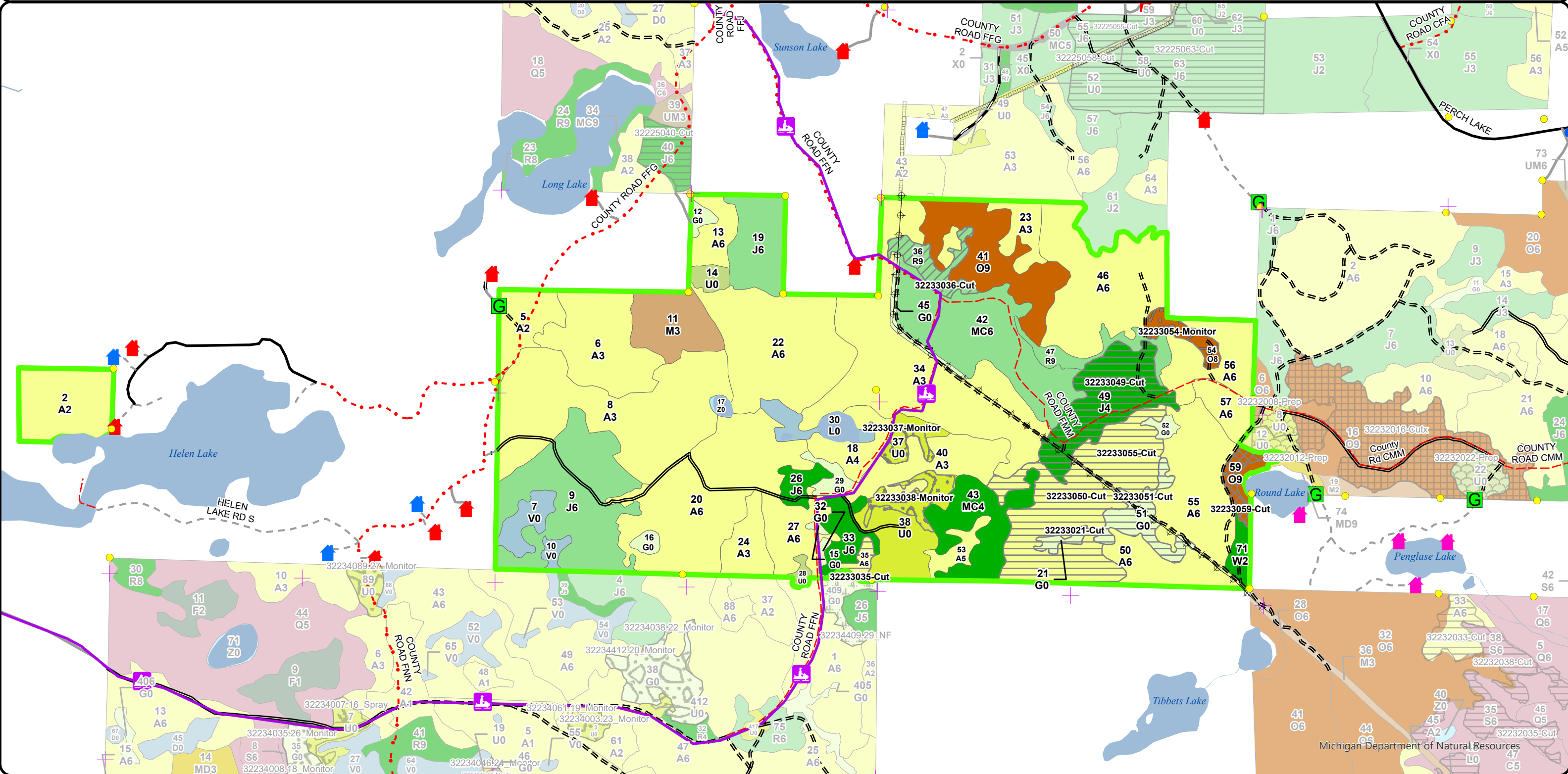
Cover Type & Treatments Map



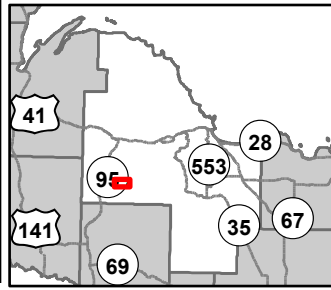
Compartment: 32233
 T45N, R29W, Sec: 1, 2, 4
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2026
 Acres: 1122.1 GIS Calculated
 Examiner: Eric Brolin
 Map Revised: 08/19/2024
 Map Phase: Web - Post



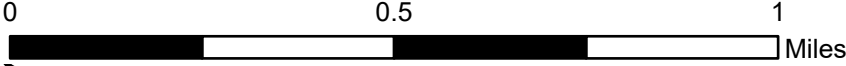
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|------------------------------|---------------------------------------|------------------------------|-----------------------------------|---------------------------|
| Cabin | Designated Snowmobile Trails | Private - Dirt / Gravel Road | Compartment Boundary | 413 - Aspen Types |
| House | DNR - Primary Forest Road | Intermittent Stream | Counties | 421 - Planted Pines |
| Structure, Seasonal Dwelling | DNR - Secondary Forest Road | Island in Lake or River | Selection (Group, Single Tree) | 422 - Natural Pines |
| Gate | DNR - Forest Access Route | Lake/Pond | Clearcut (w/Reserves) | 310 - Herbaceous Openland |
| Tower | Federal / State / County - Paved Road | Perennial River | Thinning (Crown, Low, Systematic) | 320 - Upland Shrub |
| Survey Grade Corners | County - Gravel Road | Lakes and Rivers | Regeneration Survey | 330 - Low Density Trees |
| Remonumented Section Corners | County - Dirt Road (Seasonal) | Pipeline | 411 - Northern Hardwood | 500 - Water |
| Snowmobile Trails | Private - Paved Road | Powerline | 412 - Oak Types | 622 - Lowland Shrub |



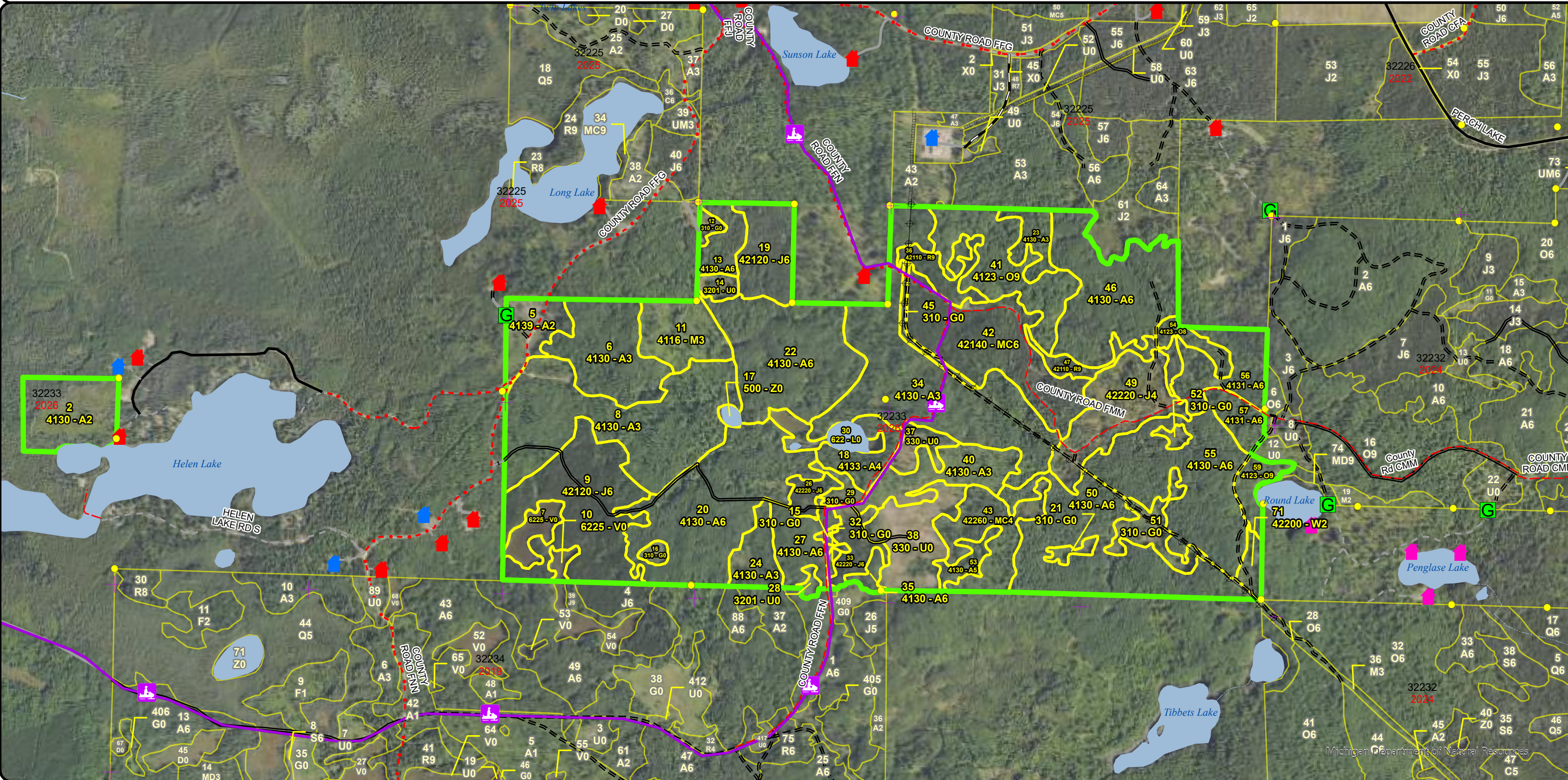
Stand Boundary Map



Compartment: 32233
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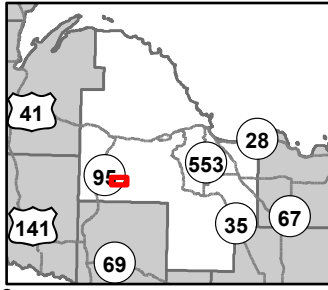


- Cabin
- House
- Structure, Seasonal Dwelling
- Gate
- Tower
- Survey Grade Corners
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Counties
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- State Forests



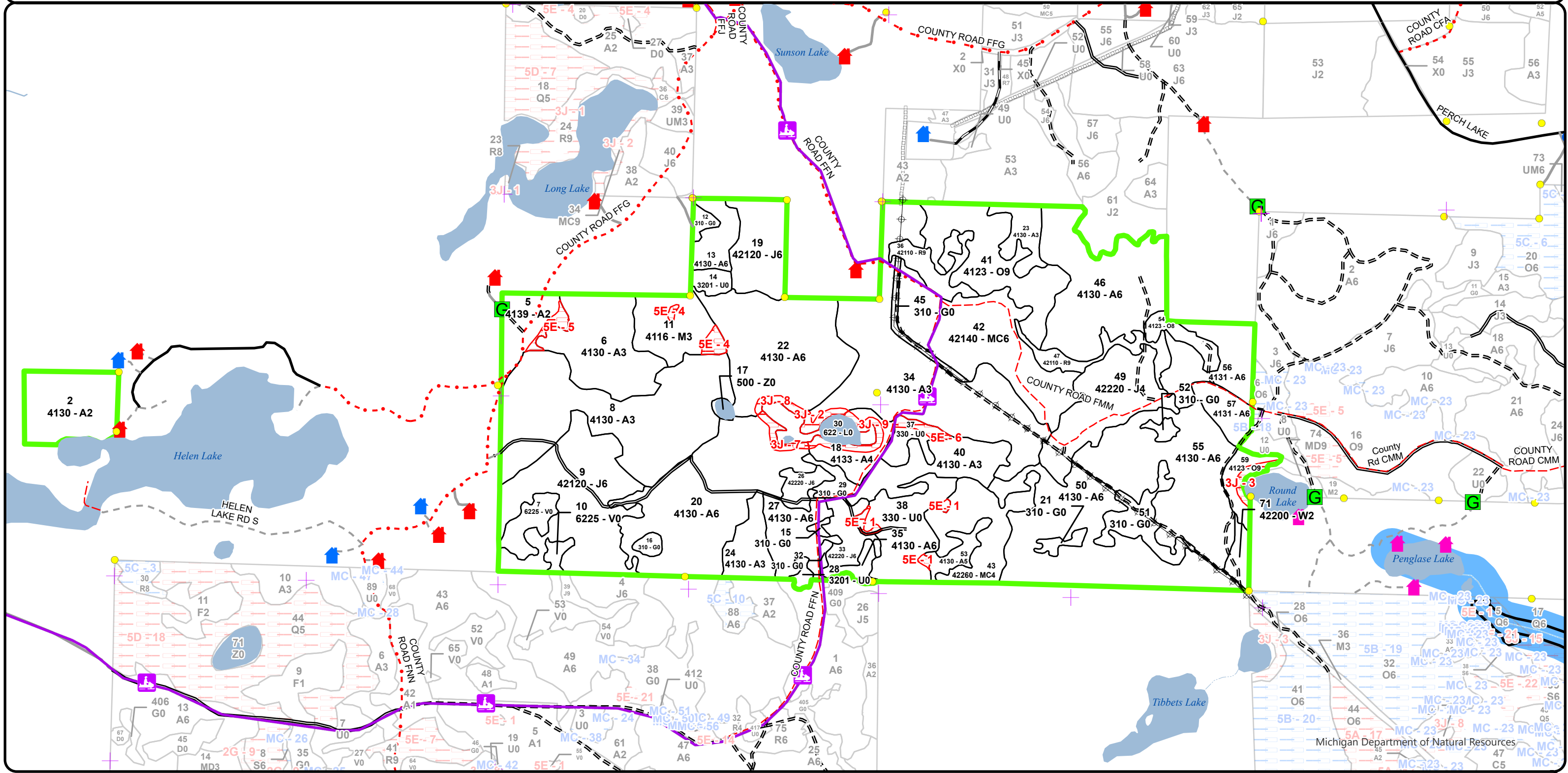
**Special Conservation Areas
& Site Conditions Map**

Compartment: 32233
 T45N, R29W, Sec: 1, 2, 4
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2026
 Acres: 1122.1 GIS Calculated
 Examiner: Eric Brolin
 Map Revised: 08/19/2024
 Map Phase: Web - Post



0 0.5 1
 Miles

- Cabin
- House
- Structure, Seasonal Dwelling
- Gate
- Tower
- Survey Grade Corners
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Counties
- SCA Removal
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



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	69	203	61	208	165	0	0	0	0	0	0	0	0	0	0	0	0	706
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Herbaceous Openland	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Jack Pine	0	0	0	0	119	17	0	0	0	0	0	0	0	0	0	0	0	0	136
Low-Density Trees	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Oak	0	0	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	54
Planted Mixed Pines	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Red Pine	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	100	96	203	115	354	182	0	20	0	0	54	0	0	0	0	0	0	0	1124



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 233

Total Compartment Acres: 1,122

Commercial Harvest - 141
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	73	0	0	0	0	0	0	0	0	73
Herbaceous Openland	16	0	0	0	0	0	0	0	0	16
Jack Pine	35	0	0	0	0	0	0	0	0	35
Oak	0	6	0	0	0	0	0	0	0	6
Red Pine	0	0	0	0	10	0	0	0	0	10
Total	125	6	0	0	10	0	0	0	0	141

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	141	0	0	0	0	21	0	0	0	162
Next Step	0	103	117	0	27	197	0	0	0	444
Total	141	103	117	0	27	217	0	0	0	606



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

Proposed Treatments:

21	32233021-Cut	2.6	310 - Herbaceous Openland	Nonstocked		Unspec ified	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest to a 2" spec to establish site for planted jack pine. Leave oak if present. <u>Specs:</u> <u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; ; Planting, Initial Plant; Planting, Replant; Monitoring, Artificial Regen(1yr); <u>Treatments:</u> Monitoring, Artificial Regen(3yr) <u>Acceptable</u> jack pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
35	32233035-Cut	3.4	4130 - Aspen	Poletimber Well	40	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest to a 2" spec to promote aspen regeneration. Leave red pine, white pine, and oak if present. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, pine <u>Regen:</u> <u>Other</u> No retention due to small size. Harvest younger stand to create some more aspen age class diversity in the area. Include Spec 5.2.4.2 - (9"-15", at least 8' long by stump, 1 per acre). <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
36	32233036-Cut	9.9	42110 - Planted Red Pine	Sawtimber Well	63	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark stand to 100 BA. Focus on improving quality and creating even crown spacing across the stand. Leave all red oak. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> red pine <u>Regen:</u> <u>Other</u> Some patches may be "walk-through" areas. Focus on creating even canopy spacing across the stand. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
49	32233049-Cut	35.3	42220 - Natural Jack Pine	Poletimber Poor	35	1-50	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest to a 2" spec to establish site for planted jack pine. Leave oak if present. <u>Specs:</u> <u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; ; Planting, Initial Plant; Planting, Replant; Monitoring, Artificial Regen(1yr); <u>Treatments:</u> Monitoring, Artificial Regen(3yr) <u>Acceptable</u> jack pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
50 32233050-Cut	47.8	4130 - Aspen	Poletimber Well	40	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all merchantable trees to promote aspen regeneration. Retention should include large diameter, forked crown aspen. Leave red pine, white pine, white spruce, and oak.</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> aspen, pine, oak</p> <p><u>Regen:</u></p> <p><u>Other</u> Use caution during sale administration. A fair amount of pole sized oak trees may be present across the stand. Include Spec 5.2.4.2 - (9"-15", at least 8' long by stump, 1 per every 5-6 acres, evenly scattered across treatment)."</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
51 32233051-Cut	13.6	310 - Herbaceous Openland	Nonstocked		Unspecified	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest to a 2" spec to establish site for planted jack pine. Leave oak if present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial - Site Prep</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine</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 /2025</p>										
54 32233054-Monitor	6.9	4123 - Red Oak	Sawtimber Medium	92	51-80	Monitoring	Natural Regen (Re-Inventory)	4123 - Red Oak	Two-Aged	No
<p><u>Prescription</u> Spring, 2024 - Regen success is heavily browsed. Allow more time for regen success. Continue to monitor next YOE.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Oak</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 /2025</p>										
55 32233055-Cut	22.2	4130 - Aspen	Poletimber Well	44	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all merchantable trees to promote aspen regeneration. Retention should include large diameter, forked crown aspen. Leave red pine, white pine, white spruce, and oak.</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> Aspen, oak, pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Use caution during sale administration. A fair amount of pole sized oak trees may be present across the stand. Include Spec 5.2.4.2 - (9"-15", at least 8' long by stump, 1 per every 5 acres, evenly scattered across treatment).</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
59 32233059-Cut	6.3	4123 - Red Oak	Sawtimber Well	92	81-110	Harvest	Single Tree Selection	4122 - Oak, Pine	Two-Aged	No
<p><u>Prescription</u> Mark stand to 60 - 80 BA. Focus on improving oak quality while creating canopy gaps where more oak/pine regeneration is present. Remove all aspen. Leave pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> oak, mixed pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Lake is buffered 100'.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Approved Treatments:

37 32233037-Monitor	4.5	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Monitor</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; ; Planting, Replant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
38 32233038-Monitor	9.3	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Monitor</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; Planting, Replant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Total Treatment 161.8
Acres Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit
Eric Brolin : Examiner

Compartment: 233
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	3J	5E
		With Condition	Not Available			
705	692	0	13	Aspen	11	2
12	12	0	0	Bog		
34	34	0	0	Herbaceous Openland		
136	136	0	0	Jack Pine		
36	31	0	5	Low-Density Trees		5
10	10	0	0	Lowland Shrub		
27	27	0	0	Natural Mixed Pines		
22	19	0	3	Northern Hardwood		3
49	46	0	2	Oak	2	
54	54	0	0	Planted Mixed Pines		
20	20	0	0	Red Pine		
6	6	0	0	Upland Shrub		
2	2	0	0	Water		
5	5	0	0	White Pine		
1,117	1,094		23	Total Forested Acres	13	10
	98%		2%	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	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention patch for Stand 38.							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: 100' buffer around low water/bog area to protect water quality and most slope along edges is too steep to operate.							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Eric Brolin : Examiner

Compartment: 233
Year of Entry: 2026

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: 100' buffer for lake and long term retention for Stand 59.							
4	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 11.							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 5.							
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 37.							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: 100' buffer around low water/bog area to protect water quality and most slope along edges is too steep to operate.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: 100' buffer around low water/bog area to protect water quality and most slope along edges is too steep to operate.							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: 100' buffer around low water/bog area to protect water quality and most slope along edges is too steep to operate.							

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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																						
2	4130 - Aspen	Sapling Medium	29.2	4	Immature	N/A	Cut in 2019. Aspen regen patchy in areas. Lowland patches and upland patches left around all edges.																																																																						
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5	4139 - Aspen, Mixed Deciduous	Sapling Medium	15.8	4	1-50	N/A	Sparse stocking yet in areas. Small aspen clones are 10'+ tall, red maple stump sprouts abundant and browsed shorter. Scattered residual pine and oak. Stand was harvested in the fall of 2019 as part of the Jumpin' Juneberry sale. 122-16 Currently regeneration is patchy, but should fill in over time.																																																																						
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6	4130 - Aspen	Sapling Well	37.2	25	1-50	N/A	Bigtooth aspen stand transitioning to pole sized trees. A fair amount of oak is competing, same age as the aspen, some are topped and some are dominant. Cut in 1998. Thick big tooth aspen regeneration! East edge of stand contains a few red oak that have regenerated and are keeping up with the aspen regeneration!																																																																						
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7	6225 - Bog	Nonstocked	8.9			No	Bog																																																																						
8	4130 - Aspen	Sapling Well	82.3	14	1-50	N/A	Dense aspen saplings with conifer saplings mixed in and in the understory. Large residual mixed pine and oak scattered across the stand. A few acres in the NW is heavy to jack pine saplings. Some denser red pine patches in the far east.																																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
9	42120 - Planted Jack Pine	Poletimber Well	61.2	33	51-80	N/A	Dense stand of jack pine poles.																																																
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10	6225 - Bog	Nonstocked	2.7			No	Bog																																																
11	4116 - Mixed N. Hardwood - Aspen	Sapling Well	22.1	4	Immature	N/A	Small patches are denser to aspen. Otherwise, dominant to red maple stump sprouts and individual stems. Closer to 75% stocking at this time but should fill in well with time. Scattered residual mixed pine and oak. Beefy oak saplings abundant in areas averaging 2' tall, should succeed.																																																
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12	310 - Herbaceous Openland	Nonstocked	2.5		Unspecified	No	Grass opening with scattered trees.																																																
13	4130 - Aspen	Poletimber Well	10.8	35	51-80	N/A	North seems to be poorer quality aspen site with more quaking. Good aspen throughout with mixed oak and conifer.																																																
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14	3201 - Sweet Fern	Nonstocked	4.2		Unspecified	No																																																	
15	310 - Herbaceous Openland	Nonstocked	1.0		Unspecified	No	Grass opening with scattered saplings.																																																
16	310 - Herbaceous Openland	Nonstocked	2.3			No																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17 500 - Water Nonstocked 1.6 Unspecified No

18 4133 - Aspen, Mixed Pine Poletimber Poor 13.3 40 81-110 N/A

The SW area includes part of an opening that was merged in as it contains a dense enough component of aspen and mixed pine poles to become forested. The remaining narrow strip contains mature mixed aspen, maple, and pine.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Pole/Log	8	40
Jack Pine	5	Pole	8	40
Red Maple	20	Pole/Log	9	
Red Pine	15	Log/Pole/XLog	16	
White Pine	20	Log/Pole/XLog	16	95
Bigtooth Aspen	20	Pole/Log	9	

19 42120 - Planted Jack Pine Poletimber Well 22.4 33 51-80 N/A

Nice jack pine pole stand. Veins of aspen in the south and along the east edge.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	2	Pole/Sapling	6		Jack Pine	Medium	10 - 20 feet	Sapling
Quaking Aspen	6	Pole/Sapling	5					
Jack Pine	92	Pole	7	33				

20 4130 - Aspen Poletimber Well 73.4 34 81-110 N/A

Good quality aspen stand heavy to big tooth with very dense understory of red maple saplings. Some open patchy areas in the NE starting to grow in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1	Log/Pole	10		White Pine	Trace	Variable	Pole
Bigtooth Aspen	53	Pole/Sapling	7	34	Quaking Aspen	Low	Variable	Sapling
Red Maple	10	Sapling/Pole	4		Bigtooth Aspen	Low	Variable	Sapling
Red Oak	5	Log/XLog	17		Red Maple	High	Variable	Sapling
Paper Birch	2	Pole	6					
Jack Pine	2	Pole	7					
White Pine	1	Pole	7					
Quaking Aspen	26	Pole/Sapling	6	34				

Cut in 1989. Aspen is decent quality. A few stems are falling out of the stand but nothing major at this time.

21 310 - Herbaceous Openland Nonstocked 2.6 Unspecified No

Opening growing in with some saplings and scattered pine. Some terrain with a large elevation bowl in the center.

22 4130 - Aspen Poletimber Well 60.9 35 51-80 N/A

Nice aspen pole stand heavy to bigtooth. Scattered mixed pine within.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log	15		Bigtooth Aspen	High	>20 feet	Sapling
Bigtooth Aspen	86	Pole	6	35	Quaking Aspen	Medium	10 - 20 feet	Sapling
Quaking Aspen	10	Pole	5					
Red Pine	2	Log	15					

Cut in 1988. Well stocked, healthy aspen regeneration throughout!



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
23	4130 - Aspen	Sapling Well	12.1	15	1-50	N/A	Aspen Sapling stand with a good mix of residual oak and pine. Sections of this stand were broken out from the original surrounding oak stand with a lesser oak canopy and dense aspen success from past harvest in 2008.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Paper Birch	3	Sapling	2		Black Cherry	Low	Variable	Sapling
	Red Oak	8	Log/Pole	13		White Pine	Low	Variable	Sapling
	Bigtooth Aspen	45	Sapling	3	15	Balsam Fir	Low	Variable	Sapling
	White Pine	6	Log/Pole	13		Red Maple	Medium	Variable	Sapling
	Quaking Aspen	30	Sapling	2	15	Red Pine	Low	Variable	Sapling
	Red Maple	5	Sapling	2					
	Red Pine	3	Log/Pole	13					
24	4130 - Aspen	Sapling Well	12.7	14	Immature	N/A	Aspen sapling stand. Some open patchy areas in the SW and north growing in with some saplings.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Black Cherry	3	Sapling	2		Red Maple	Medium	Variable	Sapling
	Red Pine	6	Log/XLog	17		White Pine	Low	Variable	Sapling
	Red Maple	20	Sapling	2		Red Pine	Low	Variable	Sapling
	Quaking Aspen	24	Sapling	2					
	White Pine	2	Log/Pole	13					
	Bigtooth Aspen	45	Sapling	3	14				
26	42220 - Natural Jack Pine	Poletimber Well	6.0	40	81-110	N/A	Dense jack pine pole stand.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Quaking Aspen	5	Pole	8		Jack Pine	Medium	Variable	Pole
	Jack Pine	95	Pole	8	40				
27	4130 - Aspen	Poletimber Well	17.8	44	81-110	N/A	Good quality aspen pole stand. Densely grown trees are smaller than average diameter for similar stands in the area.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Jack Pine	3	Pole	7		Jack Pine	Low	Variable	Sapling
	Bigtooth Aspen	30	Pole	8		White Pine	Low	Variable	Sapling
	Quaking Aspen	65	Pole	7	44	Red Maple	Medium	Variable	Sapling
	Red Pine	2	Pole/Log	9		Red Pine	Low	Variable	Sapling
28	3201 - Sweet Fern	Nonstocked	1.9		Unspecified	No	Opening with almost no saplings or encroachment from surrounding stands.		
29	310 - Herbaceous Openland	Nonstocked	4.6	0	Unspecified	No	Small opening to be included in future jack pine harvest along the west edge and re-planted. Currently has scattered open grown jack pine with low branching and short heights.		
30	622 - Lowland Shrub	Nonstocked	10.1		Unspecified	No	Low area holding water in most spots.		
32	310 - Herbaceous Openland	Nonstocked	1.0		Unspecified	No	Grass opening with scattered saplings.		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																									
33	42220 - Natural Jack Pine	Poletimber Well	11.0	40	81-110	N/A	Nice jack pine poles. Some patchier areas along the edges.																																																																									
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Canopy Species	% Cover	Size Class	DBH	Age																																																																												
Jack Pine	100	Pole	7	40																																																																												
34	4130 - Aspen	Sapling Well	86.1	15	1-50	N/A	Good aspen saplings with a fair amount of residual oak/pine left from past harvest. Approximately 20 acres along the south edge of the ELF line was planted to jack pine. This area has been merged in as it has been mostly out competed by aspen. This can be reevaluated next YOE to determine if a separate jack pine stand should be delineated out.																																																																									
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35	4130 - Aspen	Poletimber Well	3.5	40	81-110	N/A	Good quality aspen poles. Tall and larger diameter for age.																																																																									
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36	42110 - Planted Red Pine	Sawtimber Well	9.9	63	111-140	N/A	Red pine stand with small sawlog to pole sized trees. Fairly open understory. Density varies in areas across the stand ranging from dense canopy to sparser stocking patches. Overall BA is high in dense areas.																																																																									
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37	330 - Low-Density Trees	Nonstocked	7.7	0	Unspecified	No	January 2024, some seedlings visible above snow. Few large scattered residual pine within.																																																																									
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38	330 - Low-Density Trees	Nonstocked	27.9	0	Unspecified	4211 - Planted Red Pine	EB, 2024. Exact planted areas unclear and did not get a good look at planting success with snow cover.																																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40	4130 - Aspen	Sapling Well	23.7	4	Immature	N/A	Mostly dense aspen saplings with some conifer and red maple. Large scattered pine mixed in. Stand was harvested in the fall of 2019 as part of the Jumpin' Juneberry sale: 122-16. Stand has scattered mature oak throughout and should regenerate back to a mix of deciduous and conifer.	
Canopy Species		% Cover	Size Class	DBH	Age			
Quaking Aspen	71	Sapling	1	4				
Red Maple	10	Sapling	3					
White Pine	4	Log/Pole/Sap	15					
Red Pine	4	Log/Pole/Sap	15					
Jack Pine	8	Sapling	2					
Paper Birch	3	Sapling	2					

41	4123 - Red Oak	Sawtimber Well	37.9	92	81-110	N/A	Dense oak canopy in most areas. Multiple small canopy gaps are dominated by aspen saplings. Understory has a fair amount of mixed pine. Red maple saplings found more around canopy gap edges. A high amount of oak seedlings / beefy saplings present in a lot of areas across the stand, more vigorous in areas that allow more sunlight.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine	3	Log/Pole	11				
Paper Birch	1	Pole/Log	8				
Red Pine	5	Log/Pole	10				
Red Oak	91	Log/Pole	11	92			
Sub-Canopy Species		Density	Avg. Height	Size			
Red Oak	Medium	< 5 feet	Sapling				
Quaking Aspen	Low	Variable	Sapling				
Red Maple	Medium	Variable	Sapling				
White Pine	Medium	Variable	Sapling				
Red Pine	Medium	Variable	Sapling				

42	42140 - Planted Mixed Pine	Poletimber Well	54.2	23	1-50	N/A	Dense mixed pine. Areas of aspen mixed in along some edges. Scattered residual larger pine with some strips of small sawlog red pine that was left. Some aspen along edges. Stand seems to be heavier to a jack pine component.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine	3	Log/Pole	13				
Red Oak	2	Log/Pole	12				
Red Pine	37	Pole/Sap/Log	5	23			
Red Maple	2	Sapling	3				
Bigtooth Aspen	3	Sapling/Pole	4				
Quaking Aspen	3	Sapling/Pole	4				
Jack Pine	50	Sapling	4	23			
Sub-Canopy Species		Density	Avg. Height	Size			
Jack Pine	Medium	Variable	Sapling				
Red Pine	Medium	Variable	Sapling				

43	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	27.2	34	1-50	N/A	Very patchy opening area. Includes small dense patches of jack pine, scattered aspen/red/white pine, and open areas with cherry saplings.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine	7	Pole/Log	9				
Jack Pine	48	Pole/Sapling	5	34			
Black Cherry	15	Sapling	3				
Red Oak	3	Log	15				
Red Pine	15	Log/Pole/Sap	10				
Quaking Aspen	10	Pole/Sap/Log	7				
Red Maple	2	Pole/Log	9				
Sub-Canopy Species		Density	Avg. Height	Size			
Black Cherry	Low	Variable	Sapling				
Jack Pine	Low	Variable	Sapling				

45	310 - Herbaceous Openland	Nonstocked	4.0			No	Saplings growing in areas.
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
46	4130 - Aspen	Poletimber Well	56.8	37	51-80	N/A	Aspen stand of small pole sized trees. Patch of jack pine in the SW area and scattered oak across the stand. Cut in 1986. Stand of decent quality big tooth aspen with a few scattered larger diameter red oak here and there.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		7	Sapling	3		Bigtooth Aspen		
Red Oak		8	Log/Pole	12		Red Oak		
Bigtooth Aspen		59	Pole	6	37	White Pine		
Red Pine		2	Pole/Sapling	7		Red Maple		
Jack Pine		7	Pole/Sapling	6				
Paper Birch		2	Sapling/Pole	4				
Quaking Aspen		15	Pole	6				
47	42110 - Planted Red Pine	Sawtimber Well	10.0	61	81-110	N/A	Recently thinned red pine.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Pine		97	Log/Pole	12	61			
Red Oak		3	Log/Pole	13				
49	42220 - Natural Jack Pine	Poletimber Poor	35.3	35	1-50	N/A	Patchy opening growing in with trees. Scattered small aspen patches withing. Evenly scattered open grown jack pine with low branching and shorter heights. Most trees are minimum merchantable size at this time.	
Canopy Species		% Cover	Size Class	DBH	Age			
Quaking Aspen		15	Pole	8				
Jack Pine		79	Pole	6	35			
Red Pine		3	Log/Pole	12				
Black Cherry		3	Sapling	2				
50	4130 - Aspen	Poletimber Well	66.8	40	81-110	N/A	Good quality aspen stand. The west half contains more quaking aspen with a very open understory. With elevation change in the east half, bigtooth becomes more of a component and a denser understory of saplings. Larger diameter aspen found in the west half, even log sized diameter trees, and less dense stocking than the east half. Some jack pine poles along openings on the far edges. Scattered white spruce poles and a few interior pine. An escaped Rx burn burned this stand in 1977. Parts of the stand were treated with a KG blade to promote regeneration. Poorer quality quaking aspen with a few big tooth aspen. Poorer quality red oak scattered throughout the stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Jack Pine		3	Pole	7		Red Pine		
White Pine		1	Log/Pole	12		Red Maple		
White Spruce		2	Pole	8		White Pine		
Bigtooth Aspen		40	Pole/Log	9		White Spruce		
Red Oak		8	Log	14				
Quaking Aspen		46	Pole	8	40			
51	310 - Herbaceous Openland	Nonstocked	13.6		Unspecified	No	Opening growing in with some saplings and scattered pine.	
52	310 - Herbaceous Openland	Nonstocked	2.2		Unspecified	No	Opening growing in with some saplings and scattered pine.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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53	4130 - Aspen	Poletimber Medium	6.1	34	51-80	N/A	<p>This stand has dense enough aspen to be broken out from the original Stand 43 to become an aspen stand on it's own. Mix of aspen sizes from open grown log sized to larger sapling size trees. Patchy openings with some scattered mixed pine within.</p> <p>Stand was cut in 1989. OI notes say that a review was held on 9-9-04, it was agreed to at the time to leave this stand as is for wildlife purposes, and have a management objective of grass. Stand has regenerated back but in clumps. Openings still exists throughout the stand.</p>	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Black Cherry	5	Sapling	3		Jack Pine	Low	Variable	Sapling
Red Oak	2	Log	15		Black Cherry	Low	Variable	Sapling
Red Maple	2	Pole/Log	9					
White Pine	2	Pole/Log	9					
Jack Pine	3	Pole/Sapling	5	34				
Quaking Aspen	83	Pole/Sap/Log	7	34				
Red Pine	3	Log/Pole/Sap	10					

54	4123 - Red Oak	Sawtimber Medium	6.9	92	51-80	N/A	<p>Current shelterwood harvest left red oak averaging small sawlog sized trees. New regeneration includes mainly red maple with a lesser amount of red oak, all heavily browsed and under 4' tall.</p> <p>This stand was shelterwood harvested in the fall of 2019 as part of the Jumpin' Juneberry sale - 122-16. A timber trespass occurred in which the processor operator mistakenly cut all of the no-cut (marked) trees and left the remainder. Needless to say the residual stand of oak is poorer quality than what was intended.</p>	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Red Oak	100	Log/Pole	12	92	Red Maple	Medium	Variable	Sapling
					Red Oak	Low	< 5 feet	Sapling
					White Pine	Low	Variable	Sapling
					Red Pine	Low	Variable	Sapling
					Jack Pine	Low	Variable	Sapling

55	4130 - Aspen	Poletimber Well	63.6	44	81-110	N/A	<p>Aspen poles with a majority being bigtooth. Larger diameter trees in the west half with the higher elevation, appears to decrease a bit in diameter in the east. The west half has a fairly open understory with some jack pine poles mixed in along the far edge. The east half understory becomes denser with saplings. Large oak residuals were left across the stand. A fair amount of stand age oak is mixed in and competing very well with the aspen either as individual stems or stump sprout origin. Oak poles seem to be more abundant in the east half with declining terrain and a E/S facing aspect.</p> <p>An escaped Rx burn burned this stand in 1977. Parts of the stand were treated with a KG blade to promote regeneration. Stand of well stocked aspen, good quality as well.</p>	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Bigtooth Aspen	72	Pole/Log	8	44	Red Maple	Medium	Variable	Sapling
Red Oak	18	Log/Pole/Sap	13	44	Red Pine	Low	Variable	Sapling
Quaking Aspen	5	Pole	8		White Pine	Low	Variable	Sapling
Paper Birch	1	Pole/Sapling	6		Red Oak	Medium	Variable	Sapling
Jack Pine	4	Pole/Sapling	7					

An escaped Rx burn burned this stand in 1977. Parts of the stand were treated with a KG blade to promote regeneration. Stand of well stocked aspen, good quality as well.

56	4131 - Aspen, Oak	Poletimber Well	23.7	26	1-50	N/A	<p>Stand consists of patches of mature oak amongst patches of nice big tooth aspen regeneration. Aspen and maple were cut out of the stand in 1998.</p>	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Quaking Aspen	10	Sapling	3		Red Oak	Low	Variable	Sapling
Red Oak	30	Log/Pole	13	92	Red Pine	Low	Variable	Sapling
Bigtooth Aspen	50	Sapling/Pole	4	26	Red Maple	Medium	Variable	Sapling
Red Pine	10	Log/Pole	13					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57	4131 - Aspen, Oak	Poletimber Well	9.6	16	1-50	N/A	Denser red oak patches otherwise mix of saplings, heavy to aspen.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		2	Pole/Sapling	7		Red Pine	
Quaking Aspen		10	Sapling	2	16	Red Maple	
Red Oak		35	Log	14	95	Red Oak	
Red Maple		18	Sapling	2	16	Bigtooth Aspen	
Bigtooth Aspen		35	Sapling	2	16		
						Density	
						Avg. Height	
						Size	
						Stand cut in 2008. Red oak was left.	

59	4123 - Red Oak	Sawtimber Well	8.7	92	81-110	N/A	Dense oak canopy. A good number of mixed pine saplings in the understory as well as some maple and oak less abundant.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		2	Log	14		Red Maple	
Paper Birch		8	Pole/Log	8		Red Pine	
Red Oak		90	Log/Pole	13	92	Red Oak	
						White Pine	
						Density	
						Avg. Height	
						Size	
						Stand cut in 2008. Red oak was left.	

71	42200 - Natural White Pine	Sapling Medium	5.1	9	1-50	N/A	Stand is growing in thick with white pine saplings. Some red maple saplings scattered. Residual trees from past harvest include some white pine and oak.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		75	Sapling	1	9	Red Maple	
Red Maple		15	Sapling	1	9	Red Pine	
White Pine		2	XLog/Log/Pole	18		Red Oak	
Red Oak		8	Log	15	92	White Pine	
						Density	
						Avg. Height	
						Size	
						Stand was shelterwood harvested in summer/fall of 2015. TS#106-14	