



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32250

Entry Year 2027

Acreage: 1,156

County: Marquette

Management Area: Suomi Till and Outwash Plain

Stand Examiner: Kyle Gould

Legal Description:

T46N-R27W. Sections 22,27, and 34.

Identified Planning Goals:

Promote quality forested stands by matching species to site.

Soil and topography:

Ranging from relatively level creek bottoms, swamp conifer, tag alder, and bog marshlands. Upland stands consist of only higher ground which is rolling to slightly hilly. A good logging chance exists throughout the compartment.

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

State ownership within this compartment is mostly contiguous, but does have a block of private ownership within the north half. Timber harvesting along with recreational activities such as hunting, fishing, mushroom & berry picking, and trapping make up the land use component within the compartment.

Unique Natural Features:

The Voelker Lake, East Voelker Lake, Flopper Creek, and other tributaries make up the natural features within this compartment. All of these water bodies feed into the Middle Branch of the Escanaba River.

Archeological, Historical, and Cultural Features:

No features were found within this compartment during this inventory cycle.

Special Management Designations or Considerations:

No special management designations or considerations within this compartment.

Watershed and Fisheries Considerations:

This compartment contains headwater reaches of Flopper Creek and unnamed streams that serve as tributaries to the Middle Branch Escanaba River. Flopper Creek and the unnamed streams are designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 57.9 to 61.3°F (cold streams). 300-ft buffers are recommended for Flopper Creek and the unnamed streams in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Suomi 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 underplanting 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

Section 3, T45N R27W and sections 21-22, 27, & 34, T46N R27W, Marquette County No known potential exists for commercial oil & gas production in this part of the state. No active sand/gravel operations are known to exist in the area. There may be some potential for production of sand & gravel within the compartment on the uplands, but the compartment may be too far from populated areas (commercial markets) for any aggregate resources to have significant value beyond use for local road maintenance. No past metallic mineral mining has occurred in this area, and there has been no known ground-based exploration. Potential for metallic and/or critical minerals beneath the compartment is relatively unknown but is considered low at this time. There is no current mineral leasing activity involving State-owned mineral rights in the area.

The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

The Hemmings Lake Road to the west and the Hawkins Pond Road to the east are the main access roads into this compartment. Various internal two tracks are all bermed within this compartment and are for foot traffic only.

Survey Needs:

Corners are needed for stand 2 and 42.

Recreational Facilities and Opportunities:

No recreational facilities exist. Recreation opportunities consist of hunting, fishing, mushroom & berry picking, and trapping.

Fire Protection:

This compartment is included in the Ishpeming Protection area. Areas of jack & red pine cover types with the encroachment of recreational seasonal dwellings are of concern. Mutual aid agreements with local volunteer fire departments also provide critical fire suppression response, especially in the area of structural fire protection and evacuations.

Additional Compartment Information:

The following reports from the Inventory are attached:

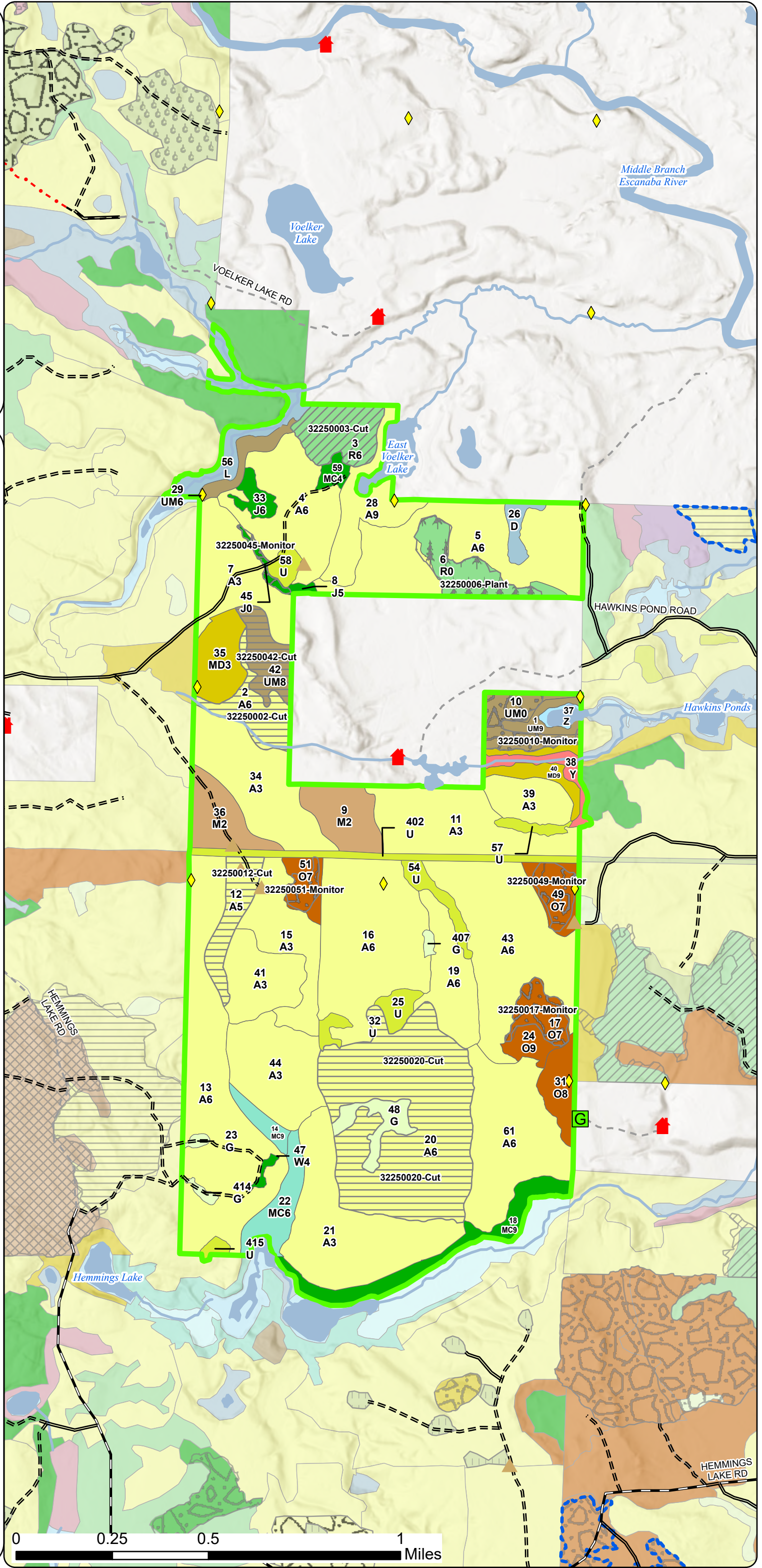
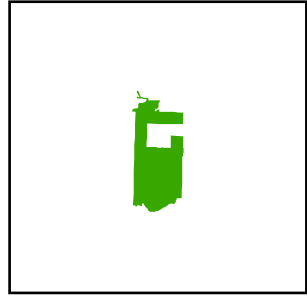
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

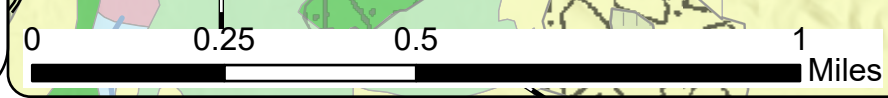
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32250
 T46N R27W Sections 22, 27 & 34
 County: Marquette
 Unit: Gwinn
 Mgmt. Area: Suomi Till and Outwash Plain
 YOE: 2027
 Acres: 1,155.73 GIS Calculated
 Examiner: Kyle Gould
 Date Exported: 12/15/2025
 Map Phase: Post Review

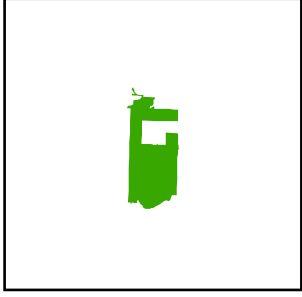


- Survey Grade Corners
- Berm
- Gate
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Thinning
- Planting (tree species)
- Monitoring - Regeneration
- Clearcut
- Selection
- Thinning
- Seeding
- Prescribed Burn
- Openings Mgmt.
- Monitoring - Regeneration
- Monitoring
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 730 - Mud Flats

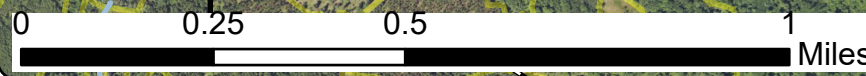
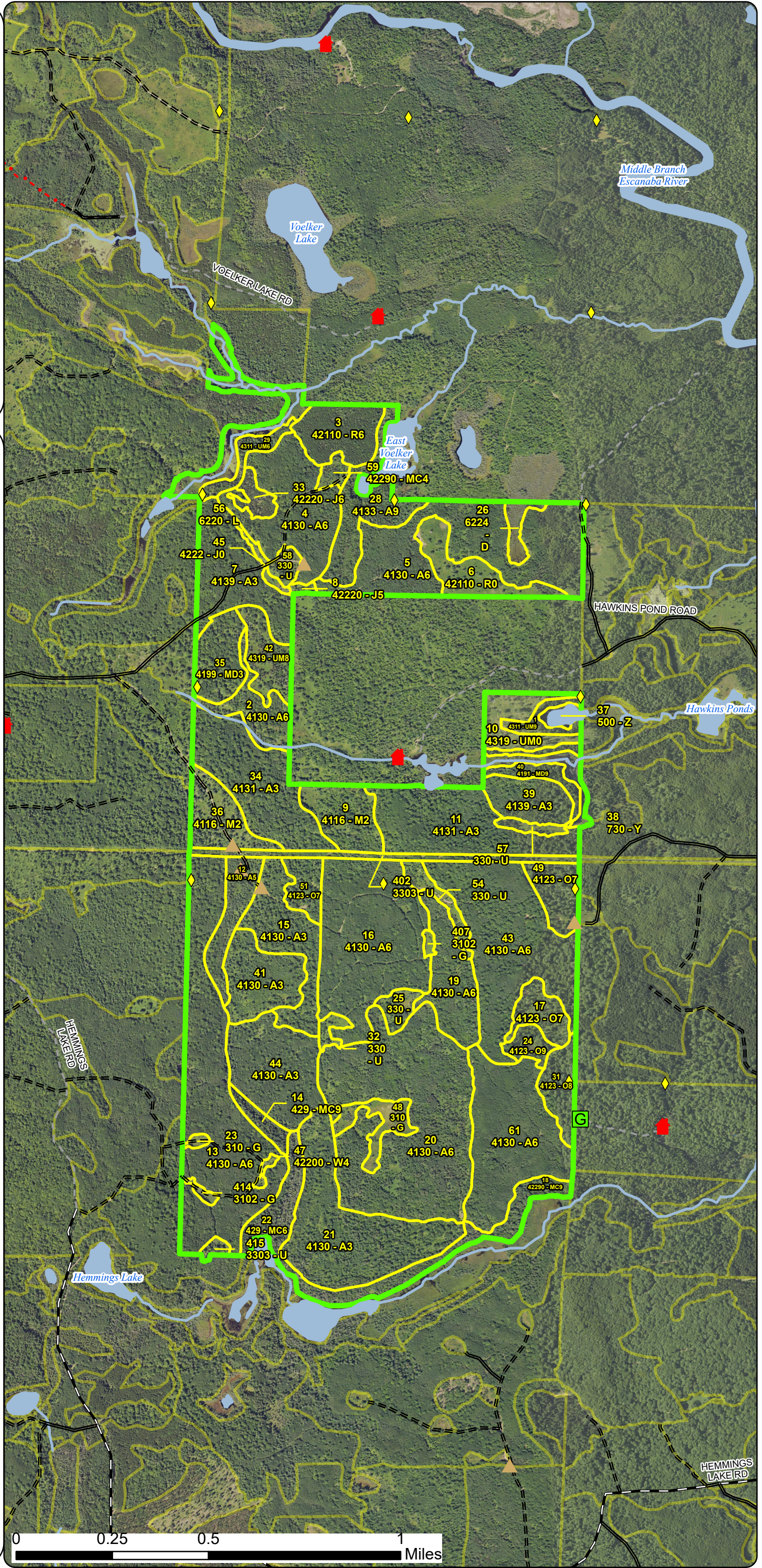


Stand Boundary Map

Compartment: 32250
 T46N R27W Sections 22, 27 & 34
 County: Marquette
 Unit: Gwinn
 Mgmt. Area: Suomi Till and Outwash Plain
 YOE: 2027
 Acres: 1,155.73 GIS Calculated
 Examiner: Kyle Gould
 Date Exported: 12/15/2025
 Map Phase: Post Review

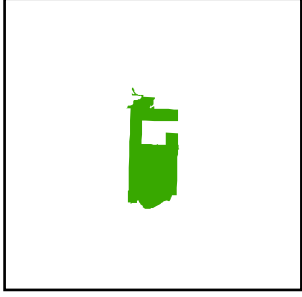


- ◆ Survey Grade Corners
- ▲ Berm
- G Gate
- Compartment Boundary
- Stand Outline
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 730 - Mud Flats

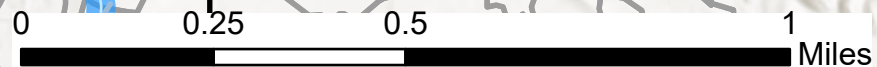
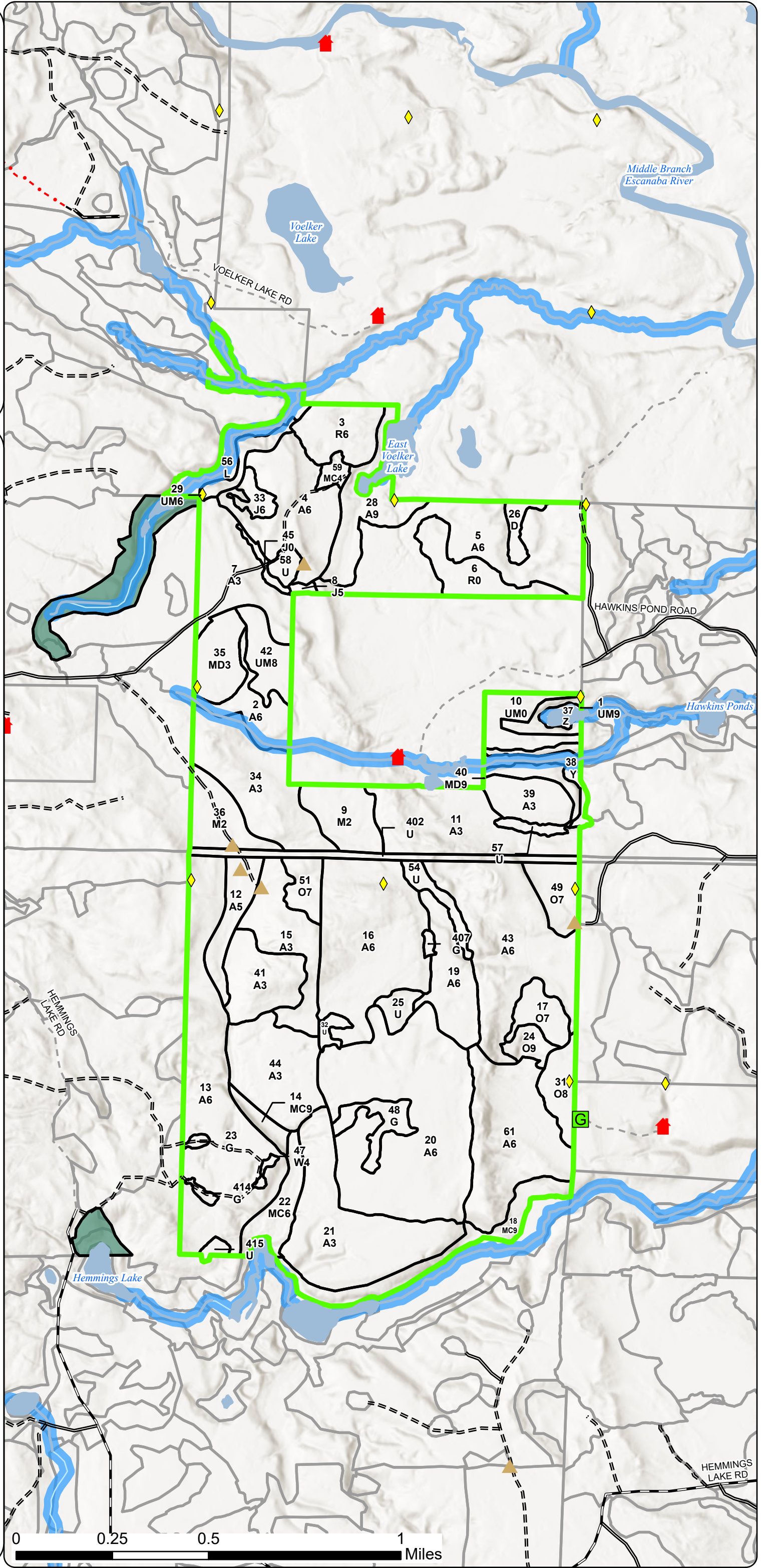


Special Conservation Areas & Site Conditions Map

Compartment: 32250
 T46N R27W Sections 22, 27 & 34
 County: Marquette
 Unit: Gwinn
 Mgmt. Area: Suomi Till and Outwash Plain
 YOE: 2027
 Acres: 1,155.73 GIS Calculated
 Examiner: Kyle Gould
 Date Exported: 12/15/2025
 Map Phase: Post Review



- Survey Grade Corners
- Berm
- Gate
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	50	291	336	0	134	0	23	0	0	0	0	0	0	0	0	0	834
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Jack Pine	2	0	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	0	8
Low-Density Trees	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Shrub	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	0	0	16	0	0	0	9	0	0	0	0	0	0	0	0	0	0	25
Natural Mixed Pines	0	0	0	0	3	0	0	0	0	0	0	22	0	0	0	0	0	0	25
Northern Hardwood	0	17	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Oak	0	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	12	48
Red Pine	18	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Sand, Soil	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Conifers	0	0	0	0	0	0	0	0	0	14	0	5	0	0	0	0	0	0	19
Upland Mixed Forest	14	0	0	0	0	0	0	14	6	7	0	0	0	0	0	0	0	0	41
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	116	17	68	327	344	0	134	23	29	22	36	27	0	0	0	0	0	12	1155



Report 2 – Treatment Summary

Gwinn Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 250
Total Compartment Acres: 1,156

Commercial Harvest - 1036
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	134	0	0	0	0	0	0	0	0	134
Red Pine	0	0	0	0	0	19	0	0	0	19
Upland Mixed Forest	14	0	0	0	0	0	0	0	0	14
Total	148	0	0	0	0	19	0	0	0	167

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	167	0	17	0	0	0	38	0	0	221
Next Step	0	36	283	0	0	338	334	0	0	990
Total	167	36	299	0	0	338	372	0	0	1211



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
-----------------------	-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

Proposed Treatments:

2	32250002-Cut	14.7	4130 - Aspen	6	55	1-50	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Clearcut with retention. Leave all red and white pine and mark some oak to leave in areas where oak is dense. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, oak, jack pine, white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026</p>											
3	32250003-Cut	19.1	42110 - Planted Red Pine	6	24	1-50	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Mark to cut every third row for harvest. While marking ensure that the stand is operable for equipment. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026</p>											
12	32250012-Cut	14.2	4130 - Aspen	5	52	Unspec ified	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Clearcut to 2" spec. Retain all oak and white pine. capture in the retention pocket if possible. <u>Specs:</u> <u>Next Step</u> Pesticide, Skidder - Site Prep; Planting, Unfurrowed; Monitoring, Artificial Regen; Pesticide, Aerial - Release; Monitoring, Artificial <u>Treatments:</u> Regen (3yr); Planting, Interplant <u>Acceptable</u> red pine <u>Regen:</u> <u>Other</u> SE end has most the pine. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026</p>											
20	32250020-Cut	104.8	4130 - Aspen	6	50	Unspec ified	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Clearcut to 2" spec. Leave retention where the pine and oak concentration is heaviest. <u>Specs:</u> <u>Next Step</u> Pesticide, Aerial - Site Prep; Planting, Unfurrowed; Monitoring, Artificial Regen; Pesticide, Aerial - Release; Monitoring, Artificial Regen <u>Treatments:</u> (3yr); Planting, Interplant <u>Acceptable</u> planted red pine <u>Regen:</u> <u>Other</u> most pine is in the eastern or southern end. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026</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
42 32250042-Cut	13.8	4319 - Mixed Upland Forest	8	60	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Clearcut with retention. Leave a small retention patch on the south end along the aspen stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; Planting, Unfurrowed; Monitoring, Artificial Regen; Pesticide, Aerial - Release; Monitoring, Artificial Treatments: Regen; Planting, Interplant; Pesticide, Aerial - Site Prep; Pesticide, Drone - Site Prep; Pesticide, Ae</p> <p><u>Acceptable</u> planted red 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> 10/01/2026</p>										

Approved Treatments:

6 32250006-Plant	16.9	42110 - Planted Red Pine	0	1	Immature	Planting	Planting (tree species)	4211 - Planted Red Pine		No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u> ; Monitoring, Artificial Regen; Pesticide, Skidder - Release; Planting, Replant; Monitoring, Artificial Regen (3yr)</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> 10/01/2025</p>										
10 32250010-Monitor	13.0	4319 - Mixed Upland Forest	0	4	Immature	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Planting Record	No
<p><u>Prescription</u> check to see if it needs scarification</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; ; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Pine, oak, aspen, fir, spruce, maple and birch.</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> 10/01/2020</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
17	32250017- Monitor	10.0	4123 - Red Oak	7	90	1-50	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Cutting Record	No
<u>Prescription</u> check to see if it needs scarification <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification <u>Treatments:</u> <u>Acceptable</u> Maple, oak, aspen, pine and birch <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2020											
45	32250045- Monitor	2.1	4222 - Natural Jack Pine	0	1		Monitoring	Monitoring - Regeneration	4222 - Natural Jack Pine		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> Monitoring, Artificial Regen (3yr) <u>Treatments:</u> <u>Acceptable</u> pine, oak, maple, aspen. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024											
49	32250049- Monitor	8.3	4123 - Red Oak	7	90	1-50	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Cutting Record	No
<u>Prescription</u> check to see if it needs scarification <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification <u>Treatments:</u> <u>Acceptable</u> Maple, oak, pine, aspen and birch. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2020											
51	32250051- Monitor	4.5	4123 - Red Oak	7	90	1-50	Monitoring	Monitoring - Regeneration	4199 - Other Mixed Upland Deciduous	Cutting Record	No
<u>Prescription</u> Monitor to see if the stand has successfully regenerated. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; ; Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> oak, maple, pine, aspen and birch. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2020											



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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

Total Treatment Acreage Proposed: 221.4

Report 4 – Site Conditions

Gwinn Mgt. Unit
Kyle Gould: Examiner

Compartment: 250
Year of Entry: 2027



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		3D	3J	5E
834	811	0	23	Aspen		23	
13	13	0	0	Herbaceous Openland			
8	7	0	1	Jack Pine			1
35	35	0	0	Low-Density Trees			
19	19	0	0	Lowland Shrub			
25	16	0	9	Mixed Upland Deciduous		9	
25	3	0	22	Natural Mixed Pines		22	
35	35	0	0	Northern Hardwood			
48	48	0	0	Oak			
20	19	0	1	Red Pine			1
1	0	0	1	Sand, Soil		1	
5	5	0	0	Treed Bog			
19	0	0	19	Upland Conifers	5	14	
40	28	0	12	Upland Mixed Forest		12	
3	3	0	0	Water			
1	1	0	0	White Pine			
1,131	1,045		86	Total Forested Acres	5	79	2
	92%		8%	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	3J: Water quality/BMPs (stream, river, or lake)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand acts as a buffer along East Voelker Lake and also a small wetland that heads south of the lake.							
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand acts as a buffer along drainage.							

Report 4 – Site Conditions

Gwinn Mgt. Unit
 Kyle Gould: Examiner

Compartment: 250
 Year of Entry: 2027



3	Unavailable	3D: Recreational/scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small stand of white and red pine of large diameter. A great stand of biodiversity amongst a sea of young aspen.							
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Buffer along lake and drainage that heads west of lake.							
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	15	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: A buffer along a nearby drainage and also a stand of large diameter red and white pine.							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Stand acts as a buffer for nearby stream and riparian area.							



40	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	3G: Other influence zones - See comments	Unspecified	Unspecified	Unspecified
----	-------------	--	----	---	-------------	-------------	-------------

Comments:

Buffer along drainage.

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	4311 - Pine, Aspen Mix	Sawtimber Well	5.6	75	81-110	N/A	Old stand of mixed deciduous and conifer. Stand is in need of treatment. Mostly larger pine with a mix of deciduous species.																																																				
<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>Red Maple</td><td>15</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Paper Birch</td><td>5</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Quaking Aspen</td><td>10</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>20</td><td>Log/Pole</td><td>12</td><td>75</td></tr> <tr><td>White Pine</td><td>20</td><td>Log</td><td>16</td><td>75</td></tr> <tr><td>Red Pine</td><td>20</td><td>Log</td><td>16</td><td>75</td></tr> <tr><td>Jack Pine</td><td>10</td><td>Log/Pole</td><td>12</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Pole	8		Paper Birch	5	Pole	8		Quaking Aspen	10	Log/Pole	10		Bigtooth Aspen	20	Log/Pole	12	75	White Pine	20	Log	16	75	Red Pine	20	Log	16	75	Jack Pine	10	Log/Pole	12		<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>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> <tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> <tr><td>Hazelnut (Spp.)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	White Pine	Medium	Variable	Variable	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	15	Pole	8																																																								
Paper Birch	5	Pole	8																																																								
Quaking Aspen	10	Log/Pole	10																																																								
Bigtooth Aspen	20	Log/Pole	12	75																																																							
White Pine	20	Log	16	75																																																							
Red Pine	20	Log	16	75																																																							
Jack Pine	10	Log/Pole	12																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Medium	Variable	Variable																																																								
White Pine	Medium	Variable	Variable																																																								
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																								
2	4130 - Aspen	Poletimber Well	14.7	55	1-50	N/A	Mixed stand of aspen, red maple, and red oak. The aspen is old and starting to decline. The red maple is poor quality and fairly large. There is a good amount of larger oak in the overstory. There is oak in the understory. The stand should be harvested to restart the aspen and release the advanced oak patches.																																																				
<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>Red Maple</td><td>20</td><td>Log/Pole</td><td>11</td><td></td></tr> <tr><td>Red Oak</td><td>15</td><td>Log/Pole/Sap</td><td>15</td><td></td></tr> <tr><td>Quaking Aspen</td><td>50</td><td>Pole/Log</td><td>9</td><td>55</td></tr> <tr><td>Bigtooth Aspen</td><td>10</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>White Pine</td><td>5</td><td>Pole</td><td>8</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Log/Pole	11		Red Oak	15	Log/Pole/Sap	15		Quaking Aspen	50	Pole/Log	9	55	Bigtooth Aspen	10	Log/Pole	12		White Pine	5	Pole	8		<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>Hazelnut (Spp.)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr> <tr><td>Red Oak</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	Red Oak	Medium	Variable	Variable														
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	20	Log/Pole	11																																																								
Red Oak	15	Log/Pole/Sap	15																																																								
Quaking Aspen	50	Pole/Log	9	55																																																							
Bigtooth Aspen	10	Log/Pole	12																																																								
White Pine	5	Pole	8																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																								
Red Oak	Medium	Variable	Variable																																																								
3	42110 - Planted Red Pine	Poletimber Well	19.1	24	1-50	N/A	2025 - the stand looks healthy and fully stocked. Stand was cut in 1999. TS# 30-98-01. FTP #C-31-406 for herbicide, disk trench, and contract hand plant red pine seedlings. Pine seedlings were planted in the spring of 2001. Stand has become established and looks good. Jack pine volunteers are scattered throughout the stand but are good quality. Red maple stump sprouts are here and there within the stand.																																																				
<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>Red Maple</td><td>2</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Red Pine</td><td>73</td><td>Pole/Sapling</td><td>6</td><td>24</td></tr> <tr><td>Jack Pine</td><td>25</td><td>Sapling</td><td>4</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling	2		Red Pine	73	Pole/Sapling	6	24	Jack Pine	25	Sapling	4		<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>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable																												
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	2	Sapling	2																																																								
Red Pine	73	Pole/Sapling	6	24																																																							
Jack Pine	25	Sapling	4																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Low	Variable	Variable																																																								
4	4130 - Aspen	Poletimber Well	40.0	37	1-50	N/A	2025 - Trace amounts of white pine and jack pine. Stand is pole sized and looks healthy. Stand was cut in 1988. TS# 22-87. A decent stand of aspen. Big tooth is better quality than the quaking. Certain pockets within the stand are showing aspen decline but nothing too severe. Continue to monitor the stand each YOY to see if the decline gets worse.																																																				
<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>Red Oak</td><td>10</td><td>Log</td><td>14</td><td></td></tr> <tr><td>Quaking Aspen</td><td>30</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>60</td><td>Pole</td><td>7</td><td>37</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	10	Log	14		Quaking Aspen	30	Pole	7		Bigtooth Aspen	60	Pole	7	37																																						
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Oak	10	Log	14																																																								
Quaking Aspen	30	Pole	7																																																								
Bigtooth Aspen	60	Pole	7	37																																																							
5	4130 - Aspen	Poletimber Well	66.0	37	1-50	N/A	Stand was cut in 1988. TS# 22-87. Stand of medium quality. Some areas the aspen looks good while other areas it looks poor due to pocket decline. Overall the stand is doing pretty good but should be monitored each YOY. Small openings exist within the stand as do pockets of jack pine that are the same age. The western half of the stand much contain better soils as the trees appear healthier and are bigger diameter.																																																				
<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>Red Maple</td><td>15</td><td>Pole/Sapling</td><td>5</td><td></td></tr> <tr><td>Quaking Aspen</td><td>30</td><td>Pole</td><td>6</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>45</td><td>Pole</td><td>6</td><td>37</td></tr> <tr><td>Jack Pine</td><td>10</td><td>Pole</td><td>5</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Pole/Sapling	5		Quaking Aspen	30	Pole	6		Bigtooth Aspen	45	Pole	6	37	Jack Pine	10	Pole	5		<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>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> <tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>Jack Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	White Pine	Low	Variable	Variable	Jack Pine	Low	Variable	Variable															
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	15	Pole/Sapling	5																																																								
Quaking Aspen	30	Pole	6																																																								
Bigtooth Aspen	45	Pole	6	37																																																							
Jack Pine	10	Pole	5																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Medium	Variable	Variable																																																								
White Pine	Low	Variable	Variable																																																								
Jack Pine	Low	Variable	Variable																																																								
6	42110 - Planted Red Pine	Unspecified	17.7	1	Immature		A stand of off site aspen. Very poor quality. Stand should be cut and converted to either jack pine or red pine. Aspen is small diameter and in very poor condition. A couple of cords per acre at best. Under FTP C:32-922																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
7	4139 - Aspen, Mixed Deciduous	Sapling Well	32.5	26	Immature	N/A	2025 - fully stocked stand and healthy. Large oak and some pine were left. There is some regeneration from seed but spotty. Stand was cut in 1999. TS# 19-98-01. Tree length skidding was used to scarify the site. Stand currently consists of red maple, jack pine, aspen and large oak scattered throughout the stand. Stand is in good condition.																																																			
<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>Red Maple</td> <td>30</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>35</td> <td>Pole/Sapling</td> <td>5</td> <td>26</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	30	Sapling/Pole	4		Red Oak	10	Log	16		Quaking Aspen	35	Pole/Sapling	5	26	Bigtooth Aspen	20	Pole/Sapling	5		Jack Pine	5	Sapling/Pole	4		<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>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	White Pine	Low	Variable	Variable	Jack Pine	Low	Variable	Variable	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	Red Oak	Low	10 - 20 feet	10 - 20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	30	Sapling/Pole	4																																																							
Red Oak	10	Log	16																																																							
Quaking Aspen	35	Pole/Sapling	5	26																																																						
Bigtooth Aspen	20	Pole/Sapling	5																																																							
Jack Pine	5	Sapling/Pole	4																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	Variable	Variable																																																							
White Pine	Low	Variable	Variable																																																							
Jack Pine	Low	Variable	Variable																																																							
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																							
Red Oak	Low	10 - 20 feet	10 - 20 feet																																																							
8	42220 - Natural Jack Pine	Poletimber Medium	1.1	87	81-110	N/A	This is the retention from stand 45 that was harvested. Contains a few large oak and pine.																																																			
<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>Red Oak</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>85</td> <td>Log/Pole</td> <td>12</td> <td>87</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	5	Log	14		Quaking Aspen	10	Log/Pole	10		Jack Pine	85	Log/Pole	12	87	<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>Hazelnut (Spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	Red Maple	Medium	Variable	Variable	Red Oak	Low	Variable	Variable																		
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Oak	5	Log	14																																																							
Quaking Aspen	10	Log/Pole	10																																																							
Jack Pine	85	Log/Pole	12	87																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet																																																							
Red Maple	Medium	Variable	Variable																																																							
Red Oak	Low	Variable	Variable																																																							
9	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	17.9	15	Immature	N/A	2025 - stand is heavy to red maple in areas with more overstory. Areas that are more open have heavier aspen component. The NW corner of the stand is mostly open. Sale was harvested in 2010: TS#114-07-01. All oak was left. Currently the red maple stump sprouts are what dominate the stand in terms of regeneration. The aspen regen. is poorer quality due to the sandy soils. Scattered mature oak and red pine are throughout the stand. The stand should continue to fill in as it gets older.																																																			
<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>Red Maple</td> <td>63</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>15</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	63	Sapling	2	15	Red Oak	10	Log	14		Quaking Aspen	20	Sapling	3		White Pine	2	Log	15		Red Pine	5	Log	15		<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>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Variable	White Pine	Low	Variable	Variable	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet								
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	63	Sapling	2	15																																																						
Red Oak	10	Log	14																																																							
Quaking Aspen	20	Sapling	3																																																							
White Pine	2	Log	15																																																							
Red Pine	5	Log	15																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Pine	Low	Variable	Variable																																																							
White Pine	Low	Variable	Variable																																																							
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																							
10	4319 - Mixed Upland Forest	Unspecified	14.1	4	Immature		2025 - stand is starting to regenerate to a mix of conifer and red maple. Most trees are less than 4 feet tall. Pine is starting to fill in. Regen check next entry period.																																																			
		<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>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height		Size	Red Maple	Medium	< 5 feet	< 5 feet	White Pine	Low	< 5 feet	< 5 feet	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	< 5 feet	< 5 feet																																																							
White Pine	Low	< 5 feet	< 5 feet																																																							
Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																							
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet																																																							
11	4131 - Aspen, Oak	Sapling Well	43.0	27	Immature	N/A	2025 - stand is good quality aspen with a little red maple mixed in. There is about 25% canopy cover of red oak and pine. There is an old road through the stand that connects with the west end of the opening (stand 57). The north edge of the stand bumps up to a wetland that is mostly on private land. Stand was cut in 1998. TS# 16-98. Previous notes say the stand was well scarified during the timber sale harvest and the hopes were oak would regenerate back. Aspen is the dominant species but some oak within the understory do exist. Manage as an aspen stand.																																																			
<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>Red Maple</td> <td>10</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>25</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling/Pole</td> <td>4</td> <td>27</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Sapling/Pole</td> <td>4</td> <td>27</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	10	Sapling	4		Red Oak	25	Log	16		Quaking Aspen	30	Sapling/Pole	4	27	Bigtooth Aspen	30	Sapling/Pole	4	27	White Pine	5	Log/Pole	12		<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 Pine</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable	Red Maple	Medium	Variable	Variable	Red Oak	Medium	Variable	Variable								
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	10	Sapling	4																																																							
Red Oak	25	Log	16																																																							
Quaking Aspen	30	Sapling/Pole	4	27																																																						
Bigtooth Aspen	30	Sapling/Pole	4	27																																																						
White Pine	5	Log/Pole	12																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
White Pine	Medium	Variable	Variable																																																							
Red Maple	Medium	Variable	Variable																																																							
Red Oak	Medium	Variable	Variable																																																							
12	4130 - Aspen	Poletimber Medium	14.2	52	Unspecified	N/A	Small stand that consists of poorer quality aspen. It is ready to harvest.																																																			
<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>Quaking Aspen</td> <td>95</td> <td>Pole</td> <td>8</td> <td>52</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	95	Pole	8	52	White Pine	5	Log/Pole	12		<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 Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	Quaking Aspen	Low	Variable	Variable																							
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Quaking Aspen	95	Pole	8	52																																																						
White Pine	5	Log/Pole	12																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
White Pine	Low	Variable	Variable																																																							
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet																																																							
Quaking Aspen	Low	Variable	Variable																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
13	4130 - Aspen	Poletimber Well	86.2	35	1-50	N/A	2025 - Stand is healthy and good quality aspen. There is heavier oak in the north end of the stand. Sale was cut in '90. T-sale #025-87-1. All oak were left. Stand consists of nice aspen with scattered log sized oak throughout.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		15	Pole/Sapling	5		Red Maple		
Red Oak		10	Log	15		Red Oak		
Quaking Aspen		20	Pole	6		Hazelnut (Spp.)		
Bigtooth Aspen		55	Pole	6	35	Medium		
						5 - 10 feet		
						5 - 10 feet		
14	429 - Mixed Upland Conifers	Sawtimber Well	5.1	108	111-140	N/A	Nice stand of white pine with a few red pine mixed in. Stand is a small valley and makes for a unique area given the young aspen all around it. There is a small strip of wet soils in the middle of the stand. There is a small stream that starts in the stand to the south. Do not manage.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		15	Log/Pole	10		Balsam Fir		
Paper Birch		5	Log/Pole	10		Red Maple		
Quaking Aspen		13	Log	12		Hazelnut (Spp.)		
Balsam Fir		18	Pole/Sapling	7		Medium		
White Spruce		14	Pole/Log	9		5 - 10 feet		
White Pine		20	XLog	20	108	5 - 10 feet		
Red Pine		15	XLog	18				
15	4130 - Aspen	Sapling Well	27.4	13	1-50	N/A	2025 - stand of small, pole-sized trees. All look healthy. There is a fairly heavy overstory of oak and pine left from the last cut. Stand was harvested in 2012: TS#114-07-01. Regeneration has flushed back and looks good. Scattered mature oak, red and white pine left throughout the stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		20	Sapling	2		Red Maple		
Red Oak		10	Log	15		Low		
Quaking Aspen		30	Sapling	2	13	10 - 20 feet		
Bigtooth Aspen		30	Sapling	2		10 - 20 feet		
White Pine		10	Log/Pole	12				
16	4130 - Aspen	Poletimber Well	67.8	36	51-80	N/A	2025 - stand of nice quality, pole sized aspen. Part of the oak was cut last time. That oak has sprouted back fairly well and is competing with the aspen. This is a better quality site than most the aspen in the area. OPIC - FMD: Was commercially cut in 1988-89 by Minerick Logging, Inc, permit #24-87, "Plevna Block". Approx 4 oak per acre were left (marked with green paint). Access was from the northwest side of the sale.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		5	Log/Pole	15		Red Maple		
Quaking Aspen		25	Pole	7		Medium		
Bigtooth Aspen		70	Pole	7	36	Variable		
						Variable		
17	4123 - Red Oak	Sawtimber Poor	10.3	90	1-50	N/A	2025 - the oak has sprouted back well. The stump sprouts look very good and there is also some oak from seed. There is moderate red maple regen as well as a little white pine. monitor the stand and consider releasing if the oak grows well. Stand was harvested in the summer of 2020. Dandy DHK: 108-17. 30-40 Square feet of residual oak was left within the stand to promote more oak regeneration via. stump sprouts and seed origin oak. A tracked processor was used to harvest the sale which provided additional scarification. 2020 was a great year for acorns as well so hopefully we will see more oak regeneration in this stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		90	Log	14	90	White Pine		
White Pine		10	Pole/Log	9		Red Oak		
						Red Maple		
						Bigtooth Aspen		
						Low		
						Variable		
						Variable		
						Variable		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
18	42290 - Natural Mixed Pine	Sawtimber Well	21.6	108	81-110	N/A	Nice stand of mature white pine and red pine with scattered deciduous. Stand acts as a buffer along the stream edge. White pine and red pine are very good quality and large diameter.																																																				
<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>Red Maple</td><td>4</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Paper Birch</td><td>2</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Quaking Aspen</td><td>2</td><td>Log</td><td>14</td><td></td></tr> <tr><td>Black Spruce</td><td>5</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Northern White Cedar</td><td>5</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>White Pine</td><td>50</td><td>XLog/Log</td><td>20</td><td>108</td></tr> <tr><td>Red Pine</td><td>32</td><td>XLog/Log</td><td>20</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	4	Pole	8		Paper Birch	2	Pole	8		Quaking Aspen	2	Log	14		Black Spruce	5	Pole	7		Northern White Cedar	5	Pole	8		White Pine	50	XLog/Log	20	108	Red Pine	32	XLog/Log	20		<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 Pine</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr> <tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	10 - 20 feet	10 - 20 feet	Red Maple	Low	Variable	Variable	Balsam Fir	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	4	Pole	8																																																								
Paper Birch	2	Pole	8																																																								
Quaking Aspen	2	Log	14																																																								
Black Spruce	5	Pole	7																																																								
Northern White Cedar	5	Pole	8																																																								
White Pine	50	XLog/Log	20	108																																																							
Red Pine	32	XLog/Log	20																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
White Pine	High	10 - 20 feet	10 - 20 feet																																																								
Red Maple	Low	Variable	Variable																																																								
Balsam Fir	Medium	Variable	Variable																																																								
19	4130 - Aspen	Poletimber Well	23.0	37	1-50	N/A	Stand was cut in 1989. TS #24-87. Stand contains poor quality aspen due to poor soil quality. Stand is currently too young to manage. A couple of the small openings that exist within the stand are filling in with red pine.																																																				
<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>Red Maple</td><td>17</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Red Oak</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Quaking Aspen</td><td>79</td><td>Pole</td><td>7</td><td>37</td></tr> <tr><td>Red Pine</td><td>2</td><td>Log/Pole</td><td>10</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	17	Sapling/Pole	4		Red Oak	2	Log/Pole	12		Quaking Aspen	79	Pole	7	37	Red Pine	2	Log/Pole	10		<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 Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>Hazelnut (Spp.)</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr> <tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	Red Maple	Medium	Variable	Variable															
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	17	Sapling/Pole	4																																																								
Red Oak	2	Log/Pole	12																																																								
Quaking Aspen	79	Pole	7	37																																																							
Red Pine	2	Log/Pole	10																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
White Pine	Low	Variable	Variable																																																								
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet																																																								
Red Maple	Medium	Variable	Variable																																																								
20	4130 - Aspen	Poletimber Well	104.8	50	Unspecified	N/A	2025 - Poor to medium quality aspen stand. A good portion of the trees are showing some sign of decline. The aspen looks to be a bit off site. This may be a good stand to convert to a pine cover type with the abundance of aspen in the area. 2015 - This stand was treated noncommercially in 1975 by Wildlife Division with KG treecutter - roller chopper, FTP #W3-517. Some areas of the stand show signs of decline while other areas look good. Due to small diameter and 40 year old trees, hold the stand for 10 years. Check in the next YOE for possible harvest.																																																				
<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>Red Maple</td><td>6</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Quaking Aspen</td><td>86</td><td>Pole/Log</td><td>9</td><td>50</td></tr> <tr><td>White Pine</td><td>3</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Red Pine</td><td>2</td><td>Log/Pole/XLog</td><td>16</td><td></td></tr> <tr><td>Jack Pine</td><td>3</td><td>Pole/Log</td><td>9</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	6	Pole	7		Quaking Aspen	86	Pole/Log	9	50	White Pine	3	Pole/Log	8		Red Pine	2	Log/Pole/XLog	16		Jack Pine	3	Pole/Log	9		<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>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>Quaking Aspen</td><td>Low</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Quaking Aspen	Low	Variable	Variable														
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	6	Pole	7																																																								
Quaking Aspen	86	Pole/Log	9	50																																																							
White Pine	3	Pole/Log	8																																																								
Red Pine	2	Log/Pole/XLog	16																																																								
Jack Pine	3	Pole/Log	9																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Low	Variable	Variable																																																								
Quaking Aspen	Low	Variable	Variable																																																								
21	4130 - Aspen	Sapling Well	58.2	28	Immature	N/A	2025 - stand of sapling sized aspen with a light to moderate stocking of red and white pine, heavier in the east end of the stand. Harvested in 1999. TS# 7-97-01. A nice stand of aspen regeneration exists. Scattered mature red oak was left in the stand.																																																				
<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>Red Maple</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Red Oak</td><td>10</td><td>Log</td><td>15</td><td></td></tr> <tr><td>Quaking Aspen</td><td>40</td><td>Sapling</td><td>3</td><td>28</td></tr> <tr><td>Bigtooth Aspen</td><td>30</td><td>Sapling</td><td>3</td><td>28</td></tr> <tr><td>White Pine</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	2		Red Oak	10	Log	15		Quaking Aspen	40	Sapling	3	28	Bigtooth Aspen	30	Sapling	3	28	White Pine	10	Pole	8		Red Pine	5	Log/Pole	10		<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>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> <tr><td>Quaking Aspen</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>Red Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Quaking Aspen	Low	Variable	Variable	White Pine	Low	Variable	Variable	Red Oak	Low	Variable	Variable	
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	5	Sapling	2																																																								
Red Oak	10	Log	15																																																								
Quaking Aspen	40	Sapling	3	28																																																							
Bigtooth Aspen	30	Sapling	3	28																																																							
White Pine	10	Pole	8																																																								
Red Pine	5	Log/Pole	10																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Medium	Variable	Variable																																																								
Quaking Aspen	Low	Variable	Variable																																																								
White Pine	Low	Variable	Variable																																																								
Red Oak	Low	Variable	Variable																																																								
22	429 - Mixed Upland Conifers	Poletimber Well	13.5	87	51-80	N/A	Stand consists of a steep valley that slopes down to tag alder and a small stream in the middle. The ridge contains upland species such as aspen and pine. Do not manage, keep as a riparian area. This stand is essentially the headwaters of a small stream.																																																				
<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>Paper Birch</td><td>25</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>15</td><td>Log/Pole</td><td>10</td><td>87</td></tr> <tr><td>Black Spruce</td><td>27</td><td>Log/Pole</td><td>10</td><td>87</td></tr> <tr><td>Northern White Cedar</td><td>10</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>White Pine</td><td>10</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Red Pine</td><td>13</td><td>XLog/Log</td><td>18</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	25	Log/Pole	10		Bigtooth Aspen	15	Log/Pole	10	87	Black Spruce	27	Log/Pole	10	87	Northern White Cedar	10	Log/Pole	12		White Pine	10	Log/Pole	12		Red Pine	13	XLog/Log	18		<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>Black Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>Tag Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr> <tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Variable	Tag Alder	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	Variable	Variable					
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Paper Birch	25	Log/Pole	10																																																								
Bigtooth Aspen	15	Log/Pole	10	87																																																							
Black Spruce	27	Log/Pole	10	87																																																							
Northern White Cedar	10	Log/Pole	12																																																								
White Pine	10	Log/Pole	12																																																								
Red Pine	13	XLog/Log	18																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Black Spruce	Low	Variable	Variable																																																								
Tag Alder	Low	5 - 10 feet	5 - 10 feet																																																								
Balsam Fir	Medium	Variable	Variable																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
23	310 - Herbaceous Openland	None	1.1		Unspecified	No	Small opening mostly free of trees.																																																									
24	4123 - Red Oak	Sawtimber Well	5.8	90	1-50	N/A	This was part of stand 17 but was not treated in 2020 with the rest. This is essentially a bowl with fairly steep slopes down to a small wetland. It is not too steep to harvest but likely best left to protect the slopes and wetland.																																																									
<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>Red Oak</td> <td>90</td> <td>Log</td> <td>14</td> <td>90</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	90	Log	14	90	White Pine	10	Pole/Log	9		<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>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable	White Pine	Low	Variable	Variable	Red Oak	Low	Variable	Variable																									
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Oak	90	Log	14	90																																																												
White Pine	10	Pole/Log	9																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Red Maple	Medium	Variable	Variable																																																													
Bigtooth Aspen	Low	Variable	Variable																																																													
White Pine	Low	Variable	Variable																																																													
Red Oak	Low	Variable	Variable																																																													
25	330 - Low-Density Trees	None	5.2			No	Opening is about half filled in with aspen. There are some large overstory oak and pine as well.																																																									
26	6224 - Treed Bog	None	4.9			No	Treed bog. South end has seen lots of beaver activity in the past. Most trees in the bog are dead from high water.																																																									
28	4133 - Aspen, Mixed Pine	Sawtimber Well	23.4	76	51-80	N/A	2025 - aspen in the stand is large and falling apart. The pine is doing well. The eastern part of the stand is heavier to pine and smaller diameter than the rest. OI comments state: This stand was left in 1988 to act as a visual buffer when both stands 4 & 5 were cut, but also because it protects a drainage or seepage of water flowing northward into East Voelker Lake. The central core of this stand is lowland brush. The north part of this stand consists of some large diameter red pine and white pine. Do not manage, maintain as a wildlife corridor.																																																									
<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>Red Maple</td> <td>20</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>25</td> <td>Log</td> <td>14</td> <td>76</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>7</td> <td>XLog/Log/Pole</td> <td>18</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>7</td> <td>XLog/Log/Pole</td> <td>18</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>11</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	20	Pole	9		Paper Birch	10	Log/Pole	10		Quaking Aspen	25	Log	14	76	Bigtooth Aspen	20	Log	14		White Pine	7	XLog/Log/Pole	18		Red Pine	7	XLog/Log/Pole	18		Jack Pine	11	Log/Pole	12		<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 Pine</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	Red Maple	Medium	Variable	Variable	Tag Alder	Low	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Maple	20	Pole	9																																																													
Paper Birch	10	Log/Pole	10																																																													
Quaking Aspen	25	Log	14	76																																																												
Bigtooth Aspen	20	Log	14																																																													
White Pine	7	XLog/Log/Pole	18																																																													
Red Pine	7	XLog/Log/Pole	18																																																													
Jack Pine	11	Log/Pole	12																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	Medium	Variable	Variable																																																													
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																													
Red Maple	Medium	Variable	Variable																																																													
Tag Alder	Low	5 - 10 feet	5 - 10 feet																																																													
29	4311 - Pine, Aspen Mix	Poletimber Well	6.7	87	51-80	N/A	2025 - agree with previous comments. The stand is old but with the steep ridge and wetland it should not be managed. Buffer strip along a flowage. Stand consists of a steep ridge down to the wetland edge. Jack pine and paper birch are in very poor condition. Paper birch contains dead and dying tops and is falling out of the stand. I notice a few oak seedlings but they are browsed quite heavily. Do not manage.																																																									
<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>Red Maple</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>50</td> <td>Log/Pole</td> <td>11</td> <td>87</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	10	Pole	8		Paper Birch	10	Pole	9		Bigtooth Aspen	30	Pole/Log	9		Jack Pine	50	Log/Pole	11	87	<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>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>>20 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	Variable	Variable	Black Spruce	Low	Variable	Variable	White Pine	Low	Variable	Variable	Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	Red Maple	Medium	>20 feet	>20 feet											
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Maple	10	Pole	8																																																													
Paper Birch	10	Pole	9																																																													
Bigtooth Aspen	30	Pole/Log	9																																																													
Jack Pine	50	Log/Pole	11	87																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Red Oak	Low	Variable	Variable																																																													
Black Spruce	Low	Variable	Variable																																																													
White Pine	Low	Variable	Variable																																																													
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet																																																													
Red Maple	Medium	>20 feet	>20 feet																																																													
31	4123 - Red Oak	Sawtimber Medium	11.4	93	51-80	N/A	2025 - The overstory trees are mature and ready to harvest. The advanced regeneration is about half oak and would make a good oak mix stand if the overstory was removed and some more sprouting would likely take off. Stark contrast in looking at this stand in which previous management has cut some oak versus the other stands within this compartment in which no oak was cut. This stand has a decent amount of oak regeneration, mostly in the form of stump sprouts. A more open canopy has also led to better regeneration of other species such as pine and red maple.																																																									
<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>Red Oak</td> <td>90</td> <td>Log</td> <td>15</td> <td>93</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	90	Log	15	93	White Pine	10	Log/Pole	10		<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 Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	10 - 20 feet	Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	Red Pine	Low	10 - 20 feet	10 - 20 feet	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet	Red Oak	Medium	Variable	Variable																	
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Oak	90	Log	15	93																																																												
White Pine	10	Log/Pole	10																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	Low	10 - 20 feet	10 - 20 feet																																																													
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet																																																													
Red Pine	Low	10 - 20 feet	10 - 20 feet																																																													
Red Maple	Medium	Variable	Variable																																																													
Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet																																																													
Red Oak	Medium	Variable	Variable																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
32	330 - Low-Density Trees	None	2.8			No	Q few open grown pine but otherwise clear opening.																																																						
33	42220 - Natural Jack Pine	Poletimber Well	5.1	37	1-50	N/A	2025 - Good quality stand of jack pine. The stand did take some snow and ice damage in the last few years. Overall the stand looks healthy. There is some aspen mixed in and a few large oak. Stand was cut in 1988. Permit #22-87.																																																						
<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>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>90</td> <td>Pole</td> <td>5</td> <td>37</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10	Pole	6		Jack Pine	90	Pole	5	37																																							
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Quaking Aspen	10	Pole	6																																																										
Jack Pine	90	Pole	5	37																																																									
34	4131 - Aspen, Oak	Sapling Well	41.5	27	Immature	N/A	2025 - stand of moderate density aspen with red maple. The overstory was left a bit dense with oak and that is hindering the aspen in areas. Those places have filled in with red maple. Stand was cut in 1998. TS #14-98. Stand of young aspen with scattered mature oak throughout. Some of the oak is showing signs of decline.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>25</td> <td>Sapling</td> <td>3</td> <td></td> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>25</td> <td>Log</td> <td>16</td> <td></td> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Quaking Aspen</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Sapling</td> <td>3</td> <td>27</td> <td>Hazelnut (Spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Quaking Aspen</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	25	Sapling	3		Red Maple	Medium	Variable	Variable	Red Oak	25	Log	16		Bigtooth Aspen	Medium	Variable	Variable	Quaking Aspen	20	Sapling	3		Red Oak	Low	Variable	Variable	Bigtooth Aspen	30	Sapling	3	27	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet						Quaking Aspen	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																					
Red Maple	25	Sapling	3		Red Maple	Medium	Variable	Variable																																																					
Red Oak	25	Log	16		Bigtooth Aspen	Medium	Variable	Variable																																																					
Quaking Aspen	20	Sapling	3		Red Oak	Low	Variable	Variable																																																					
Bigtooth Aspen	30	Sapling	3	27	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																					
					Quaking Aspen	Medium	Variable	Variable																																																					
35	4199 - Other Mixed Upland Deciduous	Sapling Well	16.4	26	Immature	N/A	Former cut. Scattered oak left throughout the stand. Regen looks healthy and is heavy to red maple probably due to the heavier overstory left on the stand.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>55</td> <td>Sapling</td> <td>2</td> <td>26</td> <td>Hazelnut (Spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Oak</td> <td>20</td> <td>Log/Pole/Sap</td> <td>15</td> <td></td> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Quaking Aspen</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	55	Sapling	2	26	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet	Red Oak	20	Log/Pole/Sap	15		Red Oak	Medium	Variable	Variable	Quaking Aspen	20	Sapling	3						White Pine	5	Sapling	3														
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																					
Red Maple	55	Sapling	2	26	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																					
Red Oak	20	Log/Pole/Sap	15		Red Oak	Medium	Variable	Variable																																																					
Quaking Aspen	20	Sapling	3																																																										
White Pine	5	Sapling	3																																																										
36	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	17.2	4	Immature	N/A	2025 - stand is regenerating to moderately dense red maple and aspen. The conifers should continue to fill in. There is a significant amount of overstory pine in areas and the regeneration is less in those areas. Stand was harvested in the summer of 2020. Dandy DHK 108-17. Stand contains scattered mature pine and oak. Stand should regenerate back to a mix of both conifer and deciduous species.																																																						
<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>Red Maple</td> <td>60</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	60	Sapling	1	4	Quaking Aspen	30	Sapling	1		Balsam Fir	10	Sapling	1																																			
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Red Maple	60	Sapling	1	4																																																									
Quaking Aspen	30	Sapling	1																																																										
Balsam Fir	10	Sapling	1																																																										
37	500 - Water	None	3.2		Unspecified	No	2025 - springs flow in from the west end of the lake out of stand 1. There was a little open water even during the very cold conditions at the time of the site visit. OPIC - FMD: Locally known as "Kirkasjarvi" in the Finnish language which translates as "Clear Lake". Pond is spring fed and very clear water. Brook trout were present at one time.																																																						
38	730 - Mud Flats	None	7.2			No	2025 - beaver dam is still mostly intact. The water is flowing through and the flooding is drained down currently. OI Notes: Alder creek bottom which is periodically flooded by beaver. Currently it is mostly flooded and thus typed "Z".																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
39	4139 - Aspen, Mixed Deciduous	Sapling Well	15.1	27	Immature	N/A	2025 - Stand was cut in 1998. TS#16-98. Stand consists of poorer quality aspen with a mix of red maple and pine throughout. Large oak and white pine left scattered throughout the stand.																																																		
<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>Red Maple</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>53</td> <td>Sapling</td> <td>4</td> <td>27</td> </tr> <tr> <td>White Pine</td> <td>7</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Pole/Sapling	5		Red Oak	10	Log	16		Quaking Aspen	53	Sapling	4	27	White Pine	7	Log/Pole	12		Jack Pine	5	Sapling/Pole	4		<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>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	White Pine	Medium	10 - 20 feet	10 - 20 feet	Jack Pine	Medium	10 - 20 feet	10 - 20 feet	Quaking Aspen	Low	Variable	Variable				
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	25	Pole/Sapling	5																																																						
Red Oak	10	Log	16																																																						
Quaking Aspen	53	Sapling	4	27																																																					
White Pine	7	Log/Pole	12																																																						
Jack Pine	5	Sapling/Pole	4																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Maple	Low	Variable	Variable																																																						
White Pine	Medium	10 - 20 feet	10 - 20 feet																																																						
Jack Pine	Medium	10 - 20 feet	10 - 20 feet																																																						
Quaking Aspen	Low	Variable	Variable																																																						
40	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	9.2	60	51-80	N/A	A mixed stand of conifer and deciduous of various ages. Stand was left as a no-cut buffer along the stream edge.																																																		
<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>Red Maple</td> <td>38</td> <td>Pole</td> <td>8</td> <td>60</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Log</td> <td>14</td> <td>60</td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	38	Pole	8	60	Red Oak	5	Log	15		Paper Birch	5	Log/Pole	10		Quaking Aspen	2	Log/Pole	12		Bigtooth Aspen	20	Log	14	60	White Pine	30	XLog/Log	18		<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>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	White Pine	Medium	Variable	Variable	Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet			
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	38	Pole	8	60																																																					
Red Oak	5	Log	15																																																						
Paper Birch	5	Log/Pole	10																																																						
Quaking Aspen	2	Log/Pole	12																																																						
Bigtooth Aspen	20	Log	14	60																																																					
White Pine	30	XLog/Log	18																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Maple	Medium	Variable	Variable																																																						
White Pine	Medium	Variable	Variable																																																						
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																																																						
41	4130 - Aspen	Sapling Well	23.0	13	Immature	N/A	2025 - aspen regenerated nicely. Most bigtooth aspen with some red maple sprouts. The western part of the stand is heavier to oak and shite pine. Harvested in 2012. TS#114-07-01. All oak and red and white pine were left.																																																		
<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>Red Maple</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Sapling</td> <td>2</td> <td>13</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	2		Red Oak	10	Log	15		Quaking Aspen	10	Sapling	2		Bigtooth Aspen	70	Sapling	2	13	White Pine	5	Pole	8		<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>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable																
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	5	Sapling	2																																																						
Red Oak	10	Log	15																																																						
Quaking Aspen	10	Sapling	2																																																						
Bigtooth Aspen	70	Sapling	2	13																																																					
White Pine	5	Pole	8																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Maple	Low	Variable	Variable																																																						
42	4319 - Mixed Upland Forest	Sawtimber Medium	13.8	60	1-50	N/A	This stand is an old opening that has filled in. There is some older jack pine in the middle with aspen encroaching from all sides and a mix of other species in the more open areas. This was split off of stand 2 and very little oak is within this piece.																																																		
<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>Red Maple</td> <td>34</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>8</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>4</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>9</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>45</td> <td>Log/Pole</td> <td>12</td> <td>60</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	34	Pole	9		Red Oak	8	Log	14		Paper Birch	4	Pole	8		Quaking Aspen	9	Pole	8		Jack Pine	45	Log/Pole	12	60	<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>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	Variable	Variable	Red Maple	Medium	Variable	Variable	Quaking Aspen	Low	Variable	Variable	White Pine	Low	Variable	Variable	Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	34	Pole	9																																																						
Red Oak	8	Log	14																																																						
Paper Birch	4	Pole	8																																																						
Quaking Aspen	9	Pole	8																																																						
Jack Pine	45	Log/Pole	12	60																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Oak	Low	Variable	Variable																																																						
Red Maple	Medium	Variable	Variable																																																						
Quaking Aspen	Low	Variable	Variable																																																						
White Pine	Low	Variable	Variable																																																						
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet																																																						
43	4130 - Aspen	Poletimber Well	65.9	28	1-50	N/A	Stand was harvested in 1997, permit #106-97-01. All oak, red & white pine was left. Note: Basal area of oak from cruise made in Jan 1997 was 22 sq.ft/Acre. Stand consists of good quality aspen. Stems per acre is high, stand is quite dense.																																																		
<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>Red Maple</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>35</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>45</td> <td>Pole</td> <td>5</td> <td>28</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling/Pole	4		Red Oak	10	Log	15		Quaking Aspen	35	Sapling/Pole	4		Bigtooth Aspen	45	Pole	5	28	White Pine	5	Log/Pole	12		<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>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable																
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	5	Sapling/Pole	4																																																						
Red Oak	10	Log	15																																																						
Quaking Aspen	35	Sapling/Pole	4																																																						
Bigtooth Aspen	45	Pole	5	28																																																					
White Pine	5	Log/Pole	12																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Maple	Medium	Variable	Variable																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
44	4130 - Aspen	Sapling Well	35.0	26	Immature	N/A	2025 - fully stocked aspen stand. Looks like good quality and nearing pole sized trees. Harvested in 1999. TS# 7-97-01. Scattered mature red oak was left throughout the stand. White pine within the understory and a few scattered throughout the stand.																																															
<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>Red Maple</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Sapling/Pole</td> <td>4</td> <td>26</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	5	Sapling	2		Red Oak	10	Log	15		Quaking Aspen	45	Sapling/Pole	4	26	Bigtooth Aspen	30	Sapling/Pole	4		White Pine	10	Pole	8		<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 Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Red Maple	Medium	Variable	Variable	Quaking Aspen	Low	Variable	Variable	Red Oak	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Maple	5	Sapling	2																																																			
Red Oak	10	Log	15																																																			
Quaking Aspen	45	Sapling/Pole	4	26																																																		
Bigtooth Aspen	30	Sapling/Pole	4																																																			
White Pine	10	Pole	8																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
White Pine	Low	Variable	Variable																																																			
Red Maple	Medium	Variable	Variable																																																			
Quaking Aspen	Low	Variable	Variable																																																			
Red Oak	Low	Variable	Variable																																																			
45	4222 - Natural Jack Pine	Unspecified	2.3	1			2025 - stand has been harvested and is being planted in 2025. A small strip of jack pine mixed with a few red oak and aspen. Stand is a chain to two chains wide and consists of mostly over mature jack pine.																																															
47	42200 - Natural White Pine	Poletimber Poor	1.2	20	1-50	N/A	This stand is an opening that had filled in and met the criteria of a forested stand.																																															
<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>Red Oak</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>70</td> <td>Pole</td> <td>6</td> <td>20</td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	10	Log	12		White Pine	70	Pole	6	20	Red Pine	20	Pole	6																																	
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Oak	10	Log	12																																																			
White Pine	70	Pole	6	20																																																		
Red Pine	20	Pole	6																																																			
48	310 - Herbaceous Openland	None	9.4			No	Grass opening that is filling in with aspen clones and a few pine. Overall the stand is still very open.																																															
49	4123 - Red Oak	Sawtimber Poor	12.3	90	1-50	N/A	2025 - The oak has sprouted back well from stumps and there is some from seed as well. There is red maple competition but the oak looks good. Continue to monitor. Stand was harvested in the summer of 2020. Dandy DHK: 108-17. 30-40 Square feet of residual oak was left within the stand to promote more oak regeneration via. stump sprouts and seed origin oak. A tracked processor was used to harvest the sale which provided additional scarification. 2020 was a great year for acorns as well so hopefully we will see more oak regeneration in this stand.																																															
<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>Red Oak</td> <td>85</td> <td>Log</td> <td>14</td> <td>90</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	85	Log	14	90	White Pine	15	Pole/Log	9		<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 Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Red Oak	Low	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable															
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Oak	85	Log	14	90																																																		
White Pine	15	Pole/Log	9																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
White Pine	Low	Variable	Variable																																																			
Red Oak	Low	Variable	Variable																																																			
Red Maple	Medium	Variable	Variable																																																			
Bigtooth Aspen	Low	Variable	Variable																																																			
51	4123 - Red Oak	Sawtimber Poor	8.6	90	1-50	N/A	2025 - oak regeneration looks decent. There is a moderate amount of re maple regeneration as well. Continue to monitor oak, most is not free to grow size. Stand was harvested in the summer of 2020. Dandy DHK: 108-17. 30-40 Square feet of residual oak was left within the stand to promote more oak regeneration via. stump sprouts and seed origin oak. A tracked processor was used to harvest the sale which provided additional scarification. 2020 was a great year for acorns as well so hopefully we will see more oak regeneration in this stand.																																															
<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>Red Oak</td> <td>100</td> <td>Log</td> <td>15</td> <td>90</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	100	Log	15	90	<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 Pine</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable																								
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Oak	100	Log	15	90																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
White Pine	Medium	Variable	Variable																																																			
Red Maple	Medium	Variable	Variable																																																			
Bigtooth Aspen	Low	Variable	Variable																																																			
54	330 - Low-Density Trees	None	6.5			No	A grass opening that is filling in with jack pine.																																															
		<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>Jack Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height		Size	Jack Pine	Low	10 - 20 feet	10 - 20 feet																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Jack Pine	Low	10 - 20 feet	10 - 20 feet																																																			
56	6220 - Alder/Willow	None	18.6			No	Part of a stream that flows into the Middle Branch of the Escanaba River. Many old beaver dams have created flooded areas. Downstream of the floodings there is grass and tag alder.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
57	330 - Low-Density Trees	None	3.1			No	Former landing that was previously managed by wildlife but is now filling in with red pine. Most the trees are small pole sized and open grown.					
								Sub-Canopy Species	Density	Avg. Height	Size	
58	330 - Low-Density Trees	None	3.8			No	Stand is non-forested but is filling in around the edges with red maple and jack pine. Ground vegetation is sweet fern.					
59	42290 - Natural Mixed Pine	Poletimber Poor	3.4	35	1-50	N/A	This is an old opening that filled in with trees. It now meets the canopy closure needed to be a forested stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	15	Pole	7	
								Red Pine	50	Pole	7	35
61	4130 - Aspen	Poletimber Well	52.7	33	51-80	N/A	2025 - nice quality aspen stand. Rocky stand with some fairly steep ridges. Aspen are small to medium sized poles. Very little oak and pine within the stand compared to the rest of the aspen in the area. Stand was harvested in 1992. TS# 29-89.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								White Pine	Low	Variable	Variable	
								Red Maple	Medium	Variable	Variable	
402	3303 - Mixed Low Density Trees	None	11.8			No	2025 - Opening cut for the elf line. Over time the area has been filling in with trees in patched. A few areas are stocked with aspen but a lot is still very open. ELF (Naval submarine communications system) cleared right of way, approx 100 feet wide. This was established circa 1985 and abandoned in 2005.					
407	3102 - Grass	None	1.1			No	2025 - this opening has stayed very clear of trees since cleared by wildlife division. OI Notes: Created by Wildlife Div. in 1991 after commercial sale #24-87. FTP W31-222, rock rake, disk, seed, & "Promone" herbicide.					
414	3102 - Grass	None	1.3			No	2025- still very open, a few conifer trees OI Notes: Created in 1992 by Wildlife Division. FTP #W31-235, trail systems & landings will be rock raked, then disked and seeded in August 1992.					
415	3303 - Mixed Low Density Trees	None	1.9			No	2025 - fairly open, patch of trees in the middle and scattered. OI Notes: Created in 1992 by Wildlife Division. FTP #W31-235, trail systems & landings will be rock raked, then disked and seeded in August 1992.					