



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32275

Entry Year 2025

Acreage: 1,460

County Marquette

Management Area: Suomi Till and Outwash Plain

Stand Examiner: Rick Hill

Legal Description:

T46N-R25W, sections 1, 2, 10, 12; T47N-R25W 25, 26, 36

Identified Planning Goals:

Vegetative management in the area will provide a variety of forest products; maintain or enhance wildlife habitat; protect areas with unique characteristics; and provide for forest based recreational uses.

Soil and topography:

The compartment is mostly hilly with somewhat deep well drained loams. the north end of the compartment becomes dryer and more rolling to flat in topography.

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

Surrounding properties for the most part are small to medium sized non-industrial private holdings. Land use is primarily forest production and passive recreation.

Unique Natural Features:

The southern portion of this compartment has extremely rugged landform with severe topography and is locally known as the Big Hole. This area has numerous spring creeks and seeps that feed the Big Creek.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

ELSMU-Cory Kovacs

This compartment has tributaries for Big Creek passing through both the northern and southern portion. Big Creek is a coldwater designated Type 1 trout stream less than 50-ft wide and has a predicted mean July temperature of 59.5°F. Big Creek tributaries (i.e., Norby Creek, Peterson Creek, and Cedar Creek) that flow through the compartment are also coldwater designated Type 1 trout streams and contribute coldwater to Big Creek and possess native brook trout populations. Stand 22 is proposed for a clear-cut in high density aspen stand. Any clear-cut in stands that are primarily aspen or stands susceptible to aspen regeneration, a 300-ft, plus 5-ft per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices. For areas not susceptible to aspen regeneration, a minimum of 100-ft, plus 5-ft per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

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

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

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of coarse-textured till and glacial outwash sand and gravel and postglacial till. The glacial drift thickness varies between 100 to 200 feet. The Precambrian Archean Granite/Gneiss and Jacobsville

Sandstone subcrop below the glacial drift. The Jacobsville was used and the granite/gneiss could be used as a building or dimension stone. Gravel pits are located in the area, and potential appears to be good. The Empire iron mine is located four miles to the northwest. Section 22 was previously leased for metallic exploration, but there are no current leases. There is no economic oil and gas production in the UP.

Vehicle Access:

Restricted by private property and severe terrain in section 12. The remaining tracts of this compartment have well established access.

Survey Needs:

any needed surveys will be submitted after the compartment review.

Recreational Facilities and Opportunities:

The Thunder valley horse trail is present within this compartment receiving a moderate amount of use. This compartment is heavily used for passive recreation.

Fire Protection:

Some more fire prone types on the north end of the compartment the balance of the compartment comprises mid to low-risk fuel types there is some wildland urban interface in the area adding complexity to any fires that may occur. Road access is good to all but the south part of the compartment that would require hand crews and pumps for fire suppression due to poor access steep slopes and multiple creeks present.

Additional Compartment Information:

The following reports from the Inventory are attached:

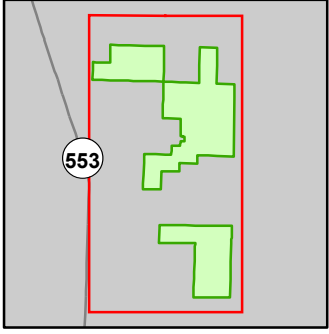
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

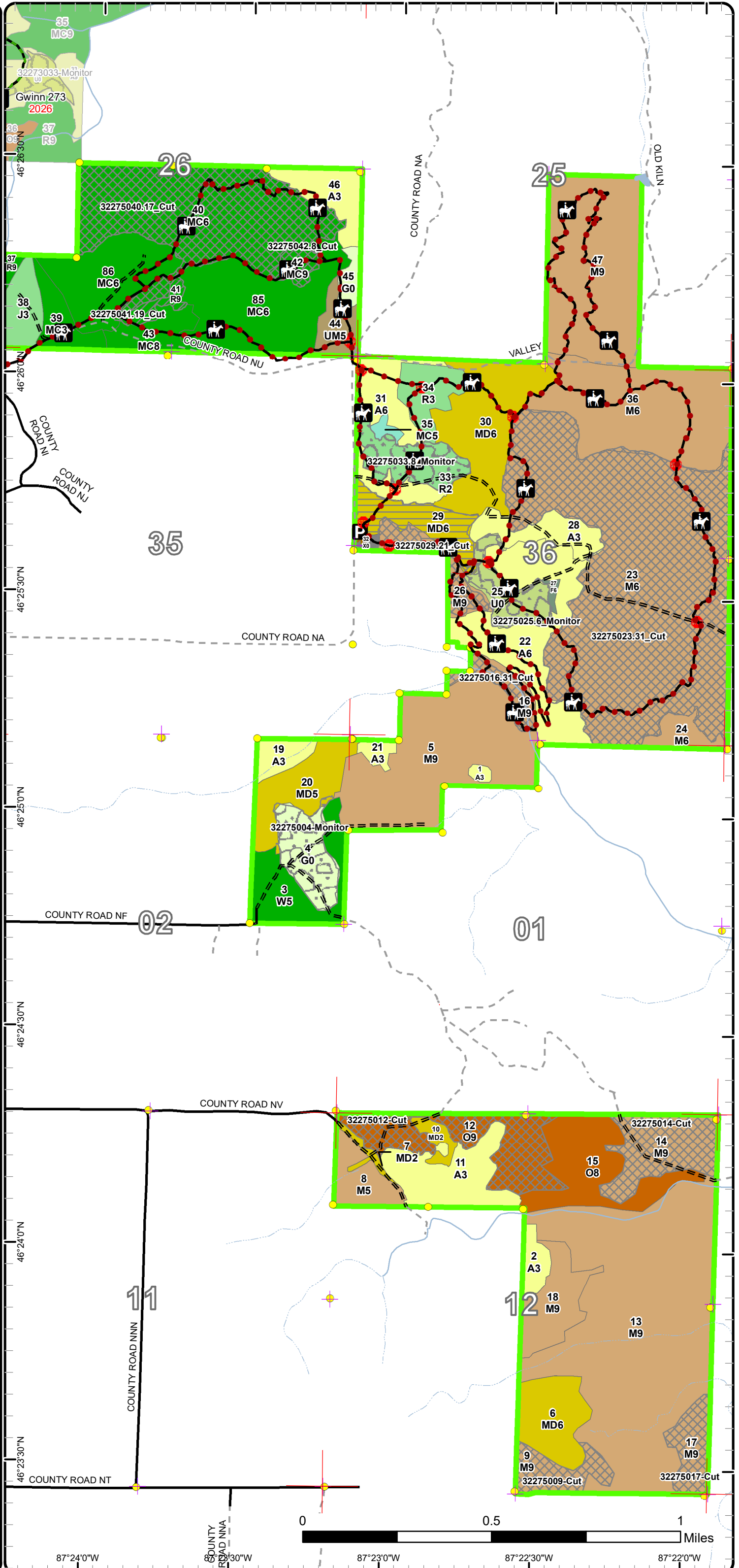
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 275
 T47N, R25W, Sec. 25, 26, 36
 T46N, R25W Sec. 01, 02, 12
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 1460.4 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

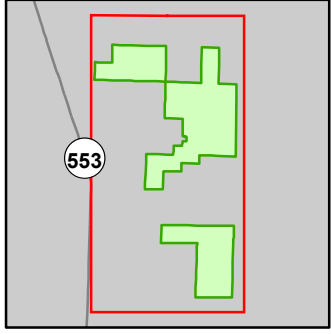


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Horse Trails
- Ski Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Parking Lot
- Sign
- Trailhead
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub

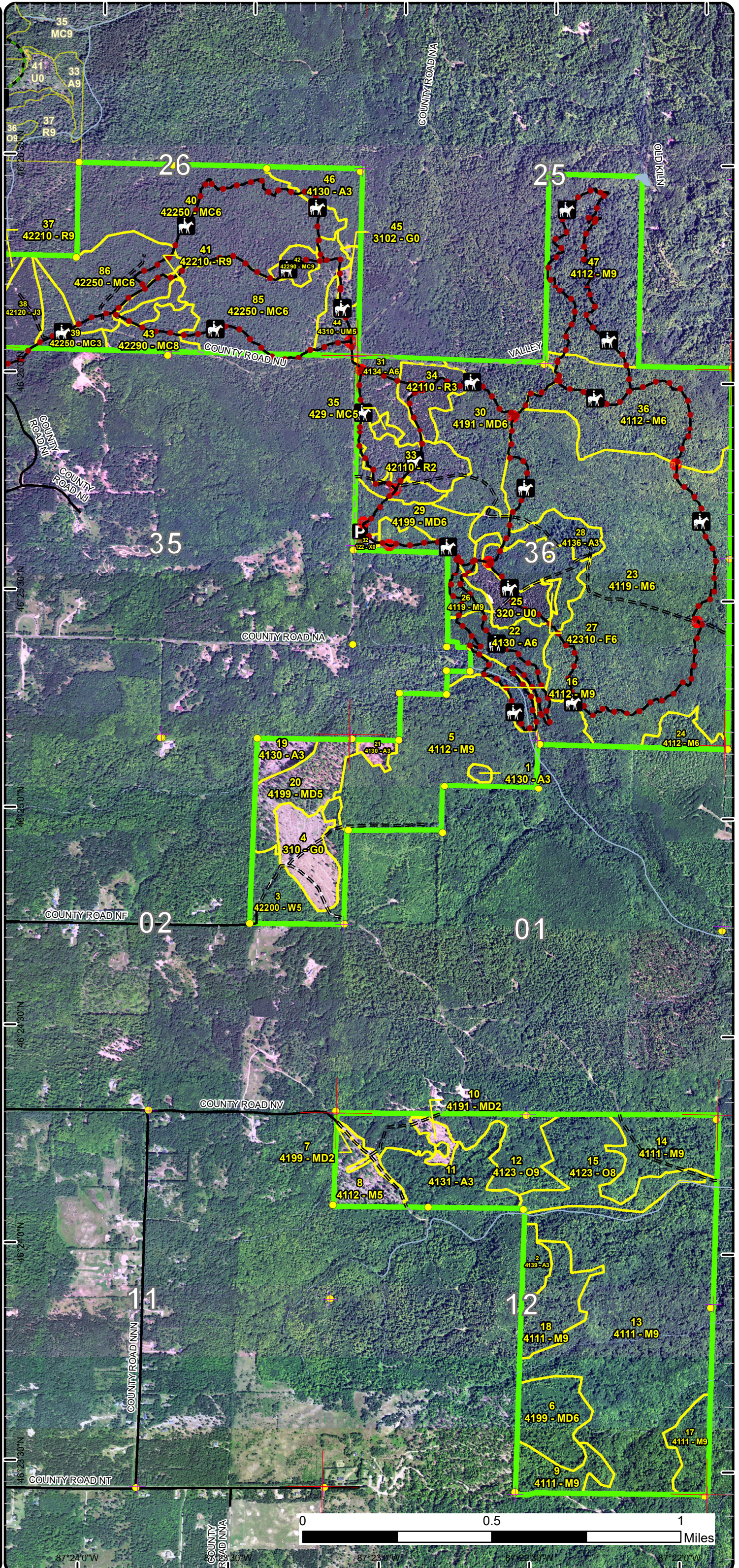


Stand Boundary Map

Compartment: 275
 T47N, R25W, Sec. 25, 26, 36
 T46N, R25W Sec. 01, 02, 12
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOY: 2025
 Acres: 1460.4 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Horse Trails
- Ski Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- P Parking Lot
- Sign
- * Trailhead
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub



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	13	0	52	41	51	0	0	0	0	0	0	0	0	0	0	0	0	157
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Jack Pine	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	0	7	0	0	0	0	19	0	23	0	24	0	0	0	0	0	0	47	120
Natural Mixed Pines	0	0	0	12	0	0	0	6	0	198	0	0	0	0	0	0	0	0	216
Northern Hardwood	0	0	0	0	0	8	0	0	0	0	97	0	251	0	0	0	0	400	755
Oak	0	0	0	0	0	0	0	0	74	0	0	0	0	0	0	0	0	0	73
Red Pine	0	19	0	14	0	0	0	0	8	0	5	0	0	0	0	0	0	0	46
Upland Conifers	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Upland Shrub	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Upland Spruce/Fir	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	24
Total	42	39	0	93	41	59	19	9	129	208	126	0	251	0	0	0	0	447	1461



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 275
Total Compartment Acres: 1,460

Commercial Harvest - 407
Harvests with Site Condition - 57
Next Step Harvest - 39
Habitat Cut - 20

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Mixed Upland Deciduous	20	0	0	0	0	0	0	0	0	20
Natural Mixed Pines	0	101	0	0	0	0	0	0	0	101
Northern Hardwood	0	302	0	0	0	0	0	0	0	302
Oak	0	37	0	0	0	0	0	0	0	37
Red Pine	0	0	0	0	0	5	0	0	0	5
Total	20	440	0	0	0	5	0	0	0	465

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	465	0	0	0	0	0	52	0	0	517
Next Step	20	101	0	0	0	19	440	0	0	580
Total	484	101	0	0	0	19	493	0	0	1097



Standard

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

Proposed Treatments:

9	32275009-Cut	14.2	4111 - S.Maple, Hard Mast Association	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Mark trees for removal favoring the retention and regeneration of oak. Target residual of 80 Sq Feet. Avoid marking hemlock and yellow birch. Only Mark Basswood if necessary for operations leaving large examples for cavity nesters.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> northern hardwood, oak</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
12	32275012-Cut	37.0	4123 - Red Oak	Sawtimber Well	76	111-140	Harvest	Group Selection	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Mark trees for removal favoring the retention and regeneration of oak. Target residual of 80 Sq Feet.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> maple, oak, spruce, pine</p> <p><u>Regen:</u></p> <p><u>Other</u> The goal of this harvest is to increase the vigor, quality and mast production of oak in this stand as well as creating some gaps for oak and</p> <p><u>Comment:</u> hardwood regeneration.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
14	32275014-Cut	29.5	4111 - S.Maple, Hard Mast Association	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Mark trees for removal favoring the retention and regeneration of oak. Target residual of 80 Sq Feet. Mark trees for removal favoring the retention and regeneration of oak. Target residual of 80 Sq Feet. Avoid marking hemlock and yellow birch. Only Mark Basswood if necessary for operations leaving large examples for cavity nesters.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> oak, northern hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</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 32275017-Cut	13.7	4111 - S.Maple, Hard Mast Association	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Mark trees for removal favoring the retention and regeneration of oak. Target residual of 80 Sq Feet. Mark trees for removal favoring the retention and regeneration of oak. Target residual of 80 Sq Feet. Avoid marking hemlock and yellow birch. Only Mark Basswood if necessary for operations leaving large examples for cavity nesters.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> northern hardwood, oak</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

4 32275004-Monitor	18.8	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> count</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine, white spruce</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
16 32275016.31_Cut	7.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	76	111-140	Harvest	Group Selection	4319 - Mixed Upland Forest	Uneven-Aged	No
<p><u>Prescription</u> Cut using a selection system create gaps. with a target residual of 80 sq ft. create gaps around black cherry and other intolerant species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed northern hardwood, spruce, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> the only access to this stand is though adjacent landowner unknown weather he would allow access or not. WLD - Comments for both</p> <p><u>Comment:</u> the North and South treatments in this stand. Retain all Hemlock (5%) and White Pine (4%) (white-tailed deer, black bear)</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</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
23 32275023.31_Cut	224.9	4119 - Mixed Northern Hardwoods	Poletimber Well	77	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark using the complete marker as a guide. Make larger regen gaps to allow for cherry and red maple regeneration. Mitigate effects on trails during sale prep.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed hardwood, spruce, fir, mixed pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</p>										
25 32275025.6_Monitor	14.7	320 - Upland Shrub	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> count</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine, spruce, fir.</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> 9/1 /2024</p>										
26 32275026.31_Cut	12.3	4119 - Mixed Northern Hardwoods	Sawtimber Well	72	111-140	Harvest	Group Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Mark stand using complete marker as a guide. minimize effects on horse trail during sale prep. some areas may be too steep so treatment may shrink.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Maple, Oak, mixed pine, birch, spruce, fir</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</p>										
29 32275029.21_Cut	19.5	4199 - Other Mixed Upland Deciduous	Poletimber Well	58	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees, leave all oak, hemlock, red pine, white pine also green tree some birch, and maple. Retention should be placed along the west side of the stand to mitigate any green up concerns.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Harvest, Clearcut with Retention</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, Oak, mixed hardwood, spruce, fir, mixed pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</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
33 32275033.8_M onitor	18.8	42110 - Planted Red Pine	Sapling Medium	2	Immature	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> count <u>Specs:</u> <u>Next Step</u> ; Pesticide, Skidder - Release <u>Treatments:</u> <u>Acceptable</u> Red pine or spruce <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 9/1 /2024										
40 32275040.17_ Cut	95.6	42250 - Pine, Oak	Poletimber Well	81	81-110	Harvest	Group Selection	429 - Mixed Upland Conifers	Two-Aged	No
<u>Prescription</u> Release pockets of advanced white pine regeneration. Cut all aspen and jack pine on site. Leave most of the oak, mark for removal create gaps large (100 foot) gaps for red and white pine regen. Target Residual BA should be about 70 sf. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification <u>Treatments:</u> <u>Acceptable</u> White pine, red pine, oak, jack pine. <u>Regen:</u> <u>Other</u> If possible attempt to scarify gaps. WLD - Add retain all hemlock (3%) and favor the few Bigtooth Aspen in the compartment (white-tailed deer, black bear, cavity nesters) <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2018										
41 32275041.19_ Cut	4.8	42210 - Natural Red Pine	Sawtimber Well	91	141-170	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Even-Aged	No
<u>Prescription</u> Mark to allow operability, remove poor quality trees, and improve spacing. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> WLD - Retain all Red Oak, except those marked for operation (10%) and Hemlock (4%) (white-tailed deer, black bear) <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2018										
42 32275042.8_C ut	5.7	42290 - Natural Mixed Pine	Sawtimber Well	67	81-110	Harvest	Group Selection	429 - Mixed Upland Conifers	Two-Aged	No
<u>Prescription</u> Release pockets of advanced white pine regeneration. Cut all aspen and jack pine on site. Leave most of the oak, mark for removal create gaps large (100 foot) gaps for red and white pine regen. Target Residual BA should be about 70 sf. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> White pine, red pine, oak, jack pine. <u>Regen:</u> <u>Other</u> If possible attempt to scarify gaps. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2018										

Total Treatment 516.8
Acreage Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 275
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions								
		With Condition				2B	5B	5C	2F	2H	3J	5E	ed	
148	98	38		12	Aspen			38	12					
25	25	0		0	Herbaceous Openland									
15	15	0		0	Jack Pine									
120	50	71		0	Mixed Upland Deciduous		24	47						
216	127	89		0	Natural Mixed Pines			89						
756	352	207		197	Northern Hardwood	57		150	127	12	58		0	
74	52	0		22	Oak		0		22					
46	46	0		0	Red Pine									
2	0	0		2	Upland Conifers							2		
10	0	10		0	Upland Mixed Forest		10							
15	15	0		0	Upland Shrub							0		
1	0	0		1	Upland Spruce/Fir							1		
2	2	0		0	Urban									
24	24	0		0	White Pine									
1,452	803	415		234	Total Forested Acres	57	34	324	161	12	58	3	0	
	55%	29%		16%	Relative Percent									

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cut in 2002 and again in 2005.							
2	Unavailable	2F: Too steep	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2F: Too steep	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 275
Year of Entry: 2025

4	Unavailable	2F: Too steep	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unspecified	Unspecified	0				
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2F: Too steep	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 275
Year of Entry: 2025

11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2F: Too steep	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	2B: Unknown if access through adjacent landowner(s) is possible	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5B: Maintain for regeneration purposes	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 275
Year of Entry: 2025

18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	324	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																										
1	4130 - Aspen	Sapling Well	1.5	5	Immature	N/A	Thin this stand were needed. Portions of stand subjected to salvaaage of windthrown trees in 2002. This stand was cut by Roy Nelson Jr. and Son under sale 113-15-01 Dog Days hardwood and spruce.																																																																										
<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>100</td> <td>Sapling</td> <td>1</td> <td>5</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	100	Sapling	1	5																																																																						
Canopy Species	% Cover	Size Class	DBH	Age																																																																													
Quaking Aspen	100	Sapling	1	5																																																																													
2	4139 - Aspen, Mixed Deciduous	Sapling Well	6.7	21	Immature	N/A	Subjected to heavy salvage cutting in 2002 and 2003.																																																																										
<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>Bigtooth Aspen</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>20</td> <td>Sapling</td> <td>1</td> <td>21</td> </tr> <tr> <td>Quaking Aspen</td> <td>25</td> <td>Sapling</td> <td>1</td> <td>21</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	20	Sapling	1		Black Cherry	10	Sapling	1		Red Maple	15	Sapling	1		Red Oak	10	Sapling	1		Sugar Maple	20	Sapling	1	21	Quaking Aspen	25	Sapling	1	21	<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>Paper Birch</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling																															
Canopy Species	% Cover	Size Class	DBH	Age																																																																													
Bigtooth Aspen	20	Sapling	1																																																																														
Black Cherry	10	Sapling	1																																																																														
Red Maple	15	Sapling	1																																																																														
Red Oak	10	Sapling	1																																																																														
Sugar Maple	20	Sapling	1	21																																																																													
Quaking Aspen	25	Sapling	1	21																																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																																														
Paper Birch	Low	5 - 10 feet	Sapling																																																																														
Balsam Fir	Low	5 - 10 feet	Sapling																																																																														
3	42200 - Natural White Pine	Poletimber Medium	23.7	70	51-80	N/A	Partially cut in 2007: TS# 121-05-01. Whire pine, red pine, and oak were retained.																																																																										
<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 Pine</td> <td>2</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>White Pine</td> <td>75</td> <td>Pole/Log</td> <td>8</td> <td>70</td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>13</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>3</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	2	Log	13		White Pine	75	Pole/Log	8	70	Red Maple	2	Pole/Log	9		Red Oak	13	Pole	7		Sugar Maple	3	Pole/Log	9		White Spruce	5	Pole	7		<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>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	< 5 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling	Quaking Aspen	Low	10 - 20 feet	Sapling	Sugar Maple	High	10 - 20 feet	Sapling	White Spruce	Low	5 - 10 feet	Sapling	Paper Birch	Low	10 - 20 feet	Sapling	White Pine	Medium	5 - 10 feet	Sapling	Red Maple	High	10 - 20 feet	Sapling							
Canopy Species	% Cover	Size Class	DBH	Age																																																																													
Red Pine	2	Log	13																																																																														
White Pine	75	Pole/Log	8	70																																																																													
Red Maple	2	Pole/Log	9																																																																														
Red Oak	13	Pole	7																																																																														
Sugar Maple	3	Pole/Log	9																																																																														
White Spruce	5	Pole	7																																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																																														
Red Oak	Low	< 5 feet	Sapling																																																																														
Balsam Fir	Low	5 - 10 feet	Sapling																																																																														
Quaking Aspen	Low	10 - 20 feet	Sapling																																																																														
Sugar Maple	High	10 - 20 feet	Sapling																																																																														
White Spruce	Low	5 - 10 feet	Sapling																																																																														
Paper Birch	Low	10 - 20 feet	Sapling																																																																														
White Pine	Medium	5 - 10 feet	Sapling																																																																														
Red Maple	High	10 - 20 feet	Sapling																																																																														
4	310 - Herbaceous Openland	Nonstocked	19.9	0	Unspecified	4211 - Planted Red Pine	Dog Days Hrdwd & Spruce SBW, 32-113-15-01 Residual SF 3.4sf of white pine. Area to be converted to red pine.																																																																										
5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	82.0	95	81-110	N/A	Portions of stand subjected to salvaaage of windthrown trees in 2002. This stand was cut by Roy Nelson Jr. and Son under sale 113-15-01 Dog Days hardwood and spruce.																																																																										
<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>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>2</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log/Pole</td> <td>16</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>6</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>50</td> <td>Log/Pole</td> <td>12</td> <td>95</td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Log/Pole	10		Bigtooth Aspen	2	Pole	9		Yellow Birch	2	Log/Pole	12		Red Oak	5	Log/Pole	16		White Pine	3	Log/Pole	12		Paper Birch	6	Log/Pole	12		Sugar Maple	50	Log/Pole	12	95	Black Cherry	5	Pole	9		White Spruce	2	Pole	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>Sugar Maple</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	High	5 - 10 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling	Black Cherry	Low	5 - 10 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																																													
Red Maple	25	Log/Pole	10																																																																														
Bigtooth Aspen	2	Pole	9																																																																														
Yellow Birch	2	Log/Pole	12																																																																														
Red Oak	5	Log/Pole	16																																																																														
White Pine	3	Log/Pole	12																																																																														
Paper Birch	6	Log/Pole	12																																																																														
Sugar Maple	50	Log/Pole	12	95																																																																													
Black Cherry	5	Pole	9																																																																														
White Spruce	2	Pole	9																																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																																														
Sugar Maple	High	5 - 10 feet	Sapling																																																																														
Red Maple	Medium	5 - 10 feet	Sapling																																																																														
Balsam Fir	Low	5 - 10 feet	Sapling																																																																														
Black Cherry	Low	5 - 10 feet	Sapling																																																																														
White Pine	Low	5 - 10 feet	Sapling																																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
6	4199 - Other Mixed Upland Deciduous	Poletimber Well	23.3	76	51-80	N/A	Subjected to heavy salvage cutting in 2002 nad 2003. Big gaps and widely variable stocking due to storm damage.																																																																					
<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>Black Cherry</td><td>8</td><td>Pole/Sap/Log</td><td>8</td><td></td></tr> <tr><td>Hemlock</td><td>3</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Yellow Birch</td><td>2</td><td>Log/Pole</td><td>13</td><td></td></tr> <tr><td>Red Maple</td><td>2</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>Sugar Maple</td><td>38</td><td>Log/Pole/Sap</td><td>10</td><td>76</td></tr> <tr><td>Quaking Aspen</td><td>28</td><td>Sapling</td><td>2</td><td>23</td></tr> <tr><td>Red Oak</td><td>17</td><td>Log/Pole</td><td>14</td><td></td></tr> <tr><td>Basswood</td><td>2</td><td>Log/Pole</td><td>13</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	8	Pole/Sap/Log	8		Hemlock	3	Log/Pole	12		Yellow Birch	2	Log/Pole	13		Red Maple	2	Log/Pole	10		Sugar Maple	38	Log/Pole/Sap	10	76	Quaking Aspen	28	Sapling	2	23	Red Oak	17	Log/Pole	14		Basswood	2	Log/Pole	13		<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>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Black Cherry</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Paper Birch</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Aspen (spp.)</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Sugar Maple</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	Black Cherry	Medium	5 - 10 feet	Sapling	Paper Birch	Low	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling	Aspen (spp.)	Low	5 - 10 feet	Sapling	Sugar Maple	Medium	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Black Cherry	8	Pole/Sap/Log	8																																																																									
Hemlock	3	Log/Pole	12																																																																									
Yellow Birch	2	Log/Pole	13																																																																									
Red Maple	2	Log/Pole	10																																																																									
Sugar Maple	38	Log/Pole/Sap	10	76																																																																								
Quaking Aspen	28	Sapling	2	23																																																																								
Red Oak	17	Log/Pole	14																																																																									
Basswood	2	Log/Pole	13																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																									
Red Maple	Low	5 - 10 feet	Sapling																																																																									
Black Cherry	Medium	5 - 10 feet	Sapling																																																																									
Paper Birch	Low	5 - 10 feet	Sapling																																																																									
Balsam Fir	Low	5 - 10 feet	Sapling																																																																									
Aspen (spp.)	Low	5 - 10 feet	Sapling																																																																									
Sugar Maple	Medium	5 - 10 feet	Sapling																																																																									
7	4199 - Other Mixed Upland Deciduous	Sapling Medium	2.6	7	Immature	N/A	Cut under Drive by mix SBW (32-114-15-01) by Carey Logging in the spring of 2016.Flat planted in 2018. Flat Plant did not establish a well-stocked red pine stand, natural regeneration has boosted stocking. Stand will be an upland mix of spruce, fir, maple, aspen, red pine. Evaluate for management direction in 20 or so years.																																																																					
<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>15</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Sugar Maple</td><td>20</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>1</td><td>7</td></tr> <tr><td>Quaking Aspen</td><td>15</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Black Cherry</td><td>6</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Jack Pine</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Red Pine</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Balsam Fir</td><td>4</td><td>Sapling</td><td>1</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	15	Sapling	1		Sugar Maple	20	Sapling	1		Red Maple	25	Sapling	1	7	Quaking Aspen	15	Sapling	1		Black Cherry	6	Sapling	1		Jack Pine	5	Sapling	2		Red Pine	10	Sapling	1		Balsam Fir	4	Sapling	1																															
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Red Oak	15	Sapling	1																																																																									
Sugar Maple	20	Sapling	1																																																																									
Red Maple	25	Sapling	1	7																																																																								
Quaking Aspen	15	Sapling	1																																																																									
Black Cherry	6	Sapling	1																																																																									
Jack Pine	5	Sapling	2																																																																									
Red Pine	10	Sapling	1																																																																									
Balsam Fir	4	Sapling	1																																																																									
8	4112 - Maple, Beech, Cherry Association	Poletimber Medium	14.5	95	51-80	N/A	Cut using a seed tree shelter wood system by Carey Logging under Drive By Mix SBW sale 32-114-15-01. Rx was changed from a selection though chapter 7 in the summer of 2015. hardwood regen is coming in along with some white pine and oak, some Rasbery is present as well.																																																																					
<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>Bigtooth Aspen</td><td>3</td><td>Pole/Log</td><td>10</td><td></td></tr> <tr><td>Black Cherry</td><td>10</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Paper Birch</td><td>2</td><td>Pole</td><td>9</td><td></td></tr> <tr><td>Red Oak</td><td>10</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Sugar Maple</td><td>40</td><td>Pole/Log</td><td>9</td><td>95</td></tr> <tr><td>Red Maple</td><td>35</td><td>Pole/Log</td><td>9</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	3	Pole/Log	10		Black Cherry	10	Pole	7		Paper Birch	2	Pole	9		Red Oak	10	Log/Pole	12		Sugar Maple	40	Pole/Log	9	95	Red Maple	35	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>Sugar Maple</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Hazelnut (Beaked)</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> <tr><td>Black Cherry</td><td>Low</td><td>< 5 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	>20 feet	Sapling	Balsam Fir	Medium	10 - 20 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling	Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub	Black Cherry	Low	< 5 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Bigtooth Aspen	3	Pole/Log	10																																																																									
Black Cherry	10	Pole	7																																																																									
Paper Birch	2	Pole	9																																																																									
Red Oak	10	Log/Pole	12																																																																									
Sugar Maple	40	Pole/Log	9	95																																																																								
Red Maple	35	Pole/Log	9																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																									
Sugar Maple	Low	>20 feet	Sapling																																																																									
Balsam Fir	Medium	10 - 20 feet	Sapling																																																																									
White Pine	Low	5 - 10 feet	Sapling																																																																									
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub																																																																									
Black Cherry	Low	< 5 feet	Sapling																																																																									
9	4111 - S.Maple, Hard Mast Association	Sawtimber Well	14.2	110	111-140	N/A	Severe terrain consisting mostly of long very steep slopes down to the Big Creek, and Norby Creek. Many spring drainages and seeps the are part of the creek's headwaters.																																																																					
<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>Bigtooth Aspen</td><td>2</td><td>Pole</td><td>10</td><td></td></tr> <tr><td>Yellow Birch</td><td>5</td><td>Log/Pole</td><td>13</td><td></td></tr> <tr><td>Basswood</td><td>3</td><td>Log/Pole</td><td>14</td><td></td></tr> <tr><td>Red Maple</td><td>7</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Sugar Maple</td><td>60</td><td>Log/Pole</td><td>13</td><td>110</td></tr> <tr><td>Hemlock</td><td>5</td><td>Log/Pole</td><td>14</td><td></td></tr> <tr><td>Red Oak</td><td>15</td><td>Log/Pole</td><td>14</td><td></td></tr> <tr><td>Paper Birch</td><td>3</td><td>Pole</td><td>9</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	2	Pole	10		Yellow Birch	5	Log/Pole	13		Basswood	3	Log/Pole	14		Red Maple	7	Log/Pole	12		Sugar Maple	60	Log/Pole	13	110	Hemlock	5	Log/Pole	14		Red Oak	15	Log/Pole	14		Paper Birch	3	Pole	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>Hemlock</td><td>Low</td><td>>20 feet</td><td>Pole</td></tr> <tr><td>Black Cherry</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Red Maple</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Sugar Maple</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hemlock	Low	>20 feet	Pole	Black Cherry	Low	10 - 20 feet	Sapling	Red Maple	Low	10 - 20 feet	Sapling	Sugar Maple	Low	10 - 20 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Bigtooth Aspen	2	Pole	10																																																																									
Yellow Birch	5	Log/Pole	13																																																																									
Basswood	3	Log/Pole	14																																																																									
Red Maple	7	Log/Pole	12																																																																									
Sugar Maple	60	Log/Pole	13	110																																																																								
Hemlock	5	Log/Pole	14																																																																									
Red Oak	15	Log/Pole	14																																																																									
Paper Birch	3	Pole	9																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																									
Hemlock	Low	>20 feet	Pole																																																																									
Black Cherry	Low	10 - 20 feet	Sapling																																																																									
Red Maple	Low	10 - 20 feet	Sapling																																																																									
Sugar Maple	Low	10 - 20 feet	Sapling																																																																									
Balsam Fir	Low	5 - 10 feet	Sapling																																																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

10 4191 - Mixed Upland Deciduous with Conifer Sapling Medium 4.5 7 Immature N/A

Cut under Drive by mix SBW (32-114-15-01) by Carey Logging in the spring of 2016. Flat planted in 2018. Flat Plant did not establish a well-stocked red pine stand, natural regeneration has boosted stocking. Stand will be an upland mix of spruce, fir, maple, aspen, red pine. Evaluate for management direction in 20 or so years.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Sapling	1	7
Sugar Maple	10	Sapling	1	
White Spruce	5	Sapling	1	
Red Pine	10	Sapling	1	
Balsam Fir	5	Sapling	1	
Red Oak	10	Sapling	1	
Black Cherry	15	Sapling	1	

11 4131 - Aspen, Oak Sapling Well 29.5 22 Immature N/A

Aspen is dominant in this stand. Salvage cut in 2002 and 2004. Scattered oak, hardwood, spruce and pine are present in varying densities. in the future this stand should be managed for aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	20	XLog/Log	18	91
Quaking Aspen	50	Sapling	3	22
Bigtooth Aspen	22	Sapling	3	
Red Maple	8	Sapling	2	

12 4123 - Red Oak Sawtimber Well 37.0 76 111-140 N/A

Area has some variation in stocking and species but was spared from the worst of the wind damage that most of the compartment experienced in the 2002. there is a few small planted conifer inclusions present within the stand that should be treated when the rest of the stand is.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Log/Pole	12		Balsam Fir	Medium	10 - 20 feet	Sapling
Red Pine	4	Log	12		Red Maple	Medium	5 - 10 feet	Sapling
Red Oak	60	Log/Pole	16	76				
Sugar Maple	10	Log/Pole	12					
Red Maple	10	Log/Pole	10					
Black Cherry	2	Log/Pole	10					
Balsam Fir	2	Pole	8					
White Spruce	2	Pole	8					
Quaking Aspen	5	Log/Pole	10					

13 4111 - S.Maple, Hard Mast Association Sawtimber Well 172.4 110 111-140 N/A

Severe terrain consisting mostly of long very steep slopes down to the Big Creek, and Norby Creek. Many spring drainages and seeps the are part of the creek's headwaters.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	2	Pole	10		Red Maple	Low	10 - 20 feet	Sapling
Hemlock	5	Log/Pole	14		Black Cherry	Low	10 - 20 feet	Sapling
Paper Birch	3	Pole	9		Hemlock	Low	>20 feet	Pole
Sugar Maple	60	Log/Pole	13	110	Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	7	Log/Pole	12		Balsam Fir	Low	5 - 10 feet	Sapling
Basswood	3	Log/Pole	14					
Red Oak	15	Log/Pole	14					
Yellow Birch	5	Log/Pole	13					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
14	4111 - S.Maple, Hard Mast Association	Sawtimber Well	29.5	110	111-140	N/A	Area has some variation in stocking and species but was spared from the worst of the wind damage that most of the compartment experienced in the 2002. Hills and lack of roads will necessitate access from the east or north. Access across state is not feasible.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		3	Log/Pole	14		Black Cherry		Low	10 - 20 feet	Sapling
Red Oak		15	Log/Pole	14		Balsam Fir		Low	5 - 10 feet	Sapling
Bigtooth Aspen		2	Pole	10		Hemlock		Low	>20 feet	Pole
Hemlock		5	Log/Pole	14		Red Maple		Low	10 - 20 feet	Sapling
Paper Birch		3	Pole	9		Sugar Maple		Low	10 - 20 feet	Sapling
Sugar Maple		60	Log/Pole	13	110					
Red Maple		7	Log/Pole	12						
Yellow Birch		5	Log/Pole	13						
15	4123 - Red Oak	Sawtimber Medium	36.5	76	51-80	N/A		Portions salvage cut in 2002. Variable stocking due to wind throw event in 2002 Stand has not fully recovered from windthrow and salvage harvest, in 10 years there is a good chance the stand could have a harvest. There are large areas that are inoperable due to steep slopes and RMZs.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple		15	Log/Pole	10		Red Maple	Medium		5 - 10 feet	Sapling
Red Oak		75	Log/Pole	12	76	Balsam Fir	Low		5 - 10 feet	Sapling
Paper Birch		2	Pole/Log	9		Ironwood	Low		5 - 10 feet	Tall Shrub
Bigtooth Aspen		3	Pole/Log	10		Red Oak	Medium		5 - 10 feet	Sapling
Red Maple		5	Pole/Log	10		Sugar Maple	Medium		5 - 10 feet	Sapling
16	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.0	76	111-140	N/A	This stand has some inoperable area due to steep slopes. The far southern part of the stand is prepared with a timber sale in compartment 275. the valley floor is available and should be considered for harvest at some point. Stand prepped as part of the Horseplay Hardwood sale in the summer of 2019 (32-023-19) Residual BA for unit 1 54.4SQ Ft. Sale is owned by Sanville Logging.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Spruce		2	Log/Pole	13		Balsam Fir		Medium	5 - 10 feet	Sapling
Balsam Fir		6	Pole	8		Sugar Maple		Low	5 - 10 feet	Sapling
Hemlock		5	Log/Pole	11		Hemlock		Low	10 - 20 feet	Sapling
Black Cherry		10	Log/Pole	10		Canadian Yew		Medium	5 - 10 feet	Tall Shrub
Red Maple		48	Pole/Log	9	76					
Sugar Maple		25	Pole	8						
White Pine		4	Log/Pole	13						
17	4111 - S.Maple, Hard Mast Association	Sawtimber Well	13.7	110	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Basswood		3	Log/Pole	14		Red Maple	Low		10 - 20 feet	Sapling
Yellow Birch		5	Log/Pole	13		Hemlock	Low		>20 feet	Pole
Paper Birch		3	Pole	9		Black Cherry	Low		10 - 20 feet	Sapling
Red Oak		15	Log/Pole	14		Balsam Fir	Low		5 - 10 feet	Sapling
Red Maple		7	Log/Pole	12		Sugar Maple	Low		10 - 20 feet	Sapling
Bigtooth Aspen		2	Pole	10						
Hemlock		5	Log/Pole	14						
Sugar Maple		60	Log/Pole	13	110					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

18	4111 - S.Maple, Hard Mast Association	Sawtimber Well	21.0	110	81-110	N/A	Severe terrain consisting mostly of long very steep slopes down to the Big Creek, and Norby Creek. Many spring drainages and seeps the are part of the creek's headwaters.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood	3	Log/Pole	14		Black Cherry	Low	10 - 20 feet	Sapling		
Red Oak	15	Log/Pole	14		Hemlock	Low	>20 feet	Pole		
Bigtooth Aspen	2	Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling		
Hemlock	5	Log/Pole	14		Red Maple	Low	10 - 20 feet	Sapling		
Sugar Maple	60	Log/Pole	13	110	Sugar Maple	Low	10 - 20 feet	Sapling		
Red Maple	7	Log/Pole	12							
Yellow Birch	5	Log/Pole	13							
Paper Birch	3	Pole	9							

19	4130 - Aspen	Sapling Well	8.1	5	Immature	N/A	This stand was cut by Roy Nelson Jr. and Son under sale 113-15-01 Dog Days hardwood and spruce.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen	65	Sapling	1	5						
Red Oak	5	Log	14							
Red Maple	5	Sapling	1							
White Pine	5	Log	16							
Bigtooth Aspen	20	Sapling	1							

20	4199 - Other Mixed Upland Deciduous	Poletimber Medium	23.9	95	1-50	N/A	This stand was cut by Roy Nelson Jr. and Son under sale 113-15-01 Dog Days hardwood and spruce. Stand was cut using a shelterwood system, regeneration is coming in continue to watch regeneration.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Cherry	5	Pole	7		Sugar Maple	High	5 - 10 feet	Sapling		
Bigtooth Aspen	2	Pole	9		Red Maple	Medium	5 - 10 feet	Sapling		
White Spruce	2	Pole	9		White Pine	Low	5 - 10 feet	Sapling		
Red Oak	20	Log	16		Black Cherry	Low	5 - 10 feet	Sapling		
Paper Birch	6	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling		
Sugar Maple	48	Log/Pole	10	95						
Yellow Birch	2	Log/Pole	12							
White Pine	15	Log/Pole	16							

21	4130 - Aspen	Sapling Well	3.5	5	Immature	N/A	This stand was cut by Roy Nelson Jr. and Son under sale 113-15-01 Dog Days hardwood and spruce.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen	90	Sapling	1	5						
Red Oak	5	Sapling	1							
Red Maple	5	Sapling	1							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
22	4130 - Aspen	Poletimber Well	50.6	48	81-110	N/A	Large aspen stand , large slope may be inoperable this area is older will act as long term retention here. Stand was last harvested by Donald Aalto in 1975 in a scale sale where all aspen, hardwood and birch where harvested			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		3	Pole/Sapling	5		Red Maple		Medium	10 - 20 feet	Sapling
Balsam Fir		2	Pole/Sapling	5		Balsam Fir		Medium	10 - 20 feet	Sapling
Paper Birch		5	Pole/Sapling	5		Red Oak		Medium	10 - 20 feet	Sapling
White Pine		3	Log/Pole	12		White Pine		Medium	10 - 20 feet	Sapling
Bigtooth Aspen		45	Pole/Sapling	7	48					
White Spruce		2	Pole/Sapling	5						
Quaking Aspen		35	Pole/Sapling	7						
Sugar Maple		5	Pole/Sapling	5						
23	4119 - Mixed Northern Hardwoods	Poletimber Well	226.7	77	111-140	N/A		Research plots in SW corner of stand. Stand is part of Days of Thunder Hrdwd 32-002-19. Sale is owned by Sanville Logging.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Hemlock		10	Log/Pole	10		Sugar Maple	Low		10 - 20 feet	Sapling
White Pine		4	Log	16		Red Maple	Medium		10 - 20 feet	Sapling
Red Oak		4	Log	16		Balsam Fir	Low		10 - 20 feet	Sapling
Paper Birch		4	Log	14		Canadian Yew	High		< 5 feet	Tall Shrub
Sugar Maple		30	Log/Pole	10		White Spruce	Low		10 - 20 feet	Sapling
Yellow Birch		4	Log	12						
White Spruce		4	Log/Pole	13						
Red Maple		40	Log/Pole	10	77					
24	4112 - Maple, Beech, Cherry Association	Poletimber Well	8.3	47	51-80	N/A	This stand appears to have been harvested at some point in the past. it slowly coming back to a mix of species, and currently provides upland brush habitat.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Oak		5	Sapling	2						
Red Maple		25	Sapling/Pole	3						
Sugar Maple		35	Sapling/Pole/Log	3	47					
Black Cherry		20	Sapling/Pole/Log	4						
Paper Birch		5	Pole/Sap/Log	5						
White Pine		5	Pole/Log	8						
Balsam Fir		5	Sapling/Pole/Log	4						
25	320 - Upland Shrub	Nonstocked	14.6	0	Unspecified	4211 - Planted Red Pine	Thunder Valley SBW . Stand was cut by Sanville Logging Inc. under sale 32-112-16-01 Thunder Valley SBW all Oak was left in the sale area. The stand will now be trenched and planted to red pine under FTP 32-886			
26	4119 - Mixed Northern Hardwoods	Sawtimber Well	13.8	72	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		59	Log/Pole	10	72					
Sugar Maple		15	Pole	9						
Paper Birch		3	Log/Pole	12						
Bigtooth Aspen		8	Log/Pole	10						
Red Oak		15	Log/XLog	14						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

27 42310 - Planted Spruce Poletimber Well 1.2 62 51-80 N/A White spruce plantation, prepped for SBW salvage Thunder Valley SBW.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log	14	
White Spruce	95	Pole	8	62

28 4136 - Aspen, Mixed Conifer Sapling Well 15.6 22 Immature N/A Harvested in 2001: TS#117-99-01.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Sapling	1	
Balsam Fir	5	Sapling	1	
White Spruce	6	Sapling	1	
Red Pine	2	Sapling	1	
Red Maple	10	Sapling	1	
Bigtooth Aspen	32	Sapling	1	22
Paper Birch	5	Sapling	1	
White Pine	8	Log	14	
Red Oak	3	Sapling	1	
Jack Pine	3	Sapling	1	
Northern Pin Oak	3	Sapling	1	
Quaking Aspen	20	Sapling	1	

29 4199 - Other Mixed Upland Deciduous Poletimber Well 19.4 58 81-110 N/A Stand is part of Days of Thunder Hrdwd 32-002-19. Sale is owned by Sanville Logging.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Sap/Log	9	58	Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	15	Log	10		Red Oak	Low	5 - 10 feet	Sapling
Jack Pine	2	Pole	8		White Pine	Medium	10 - 20 feet	Sapling
Balsam Fir	3	Pole	8					
Red Oak	15	Log/Pole	12					
White Pine	5	Log	14					
Paper Birch	15	Log/Pole	10					
Quaking Aspen	5	Pole	8					

30 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 46.8 86 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Log/Pole	12		Red Maple	Medium	5 - 10 feet	Sapling
White Pine	8	Log/Pole	12		Balsam Fir	Medium	10 - 20 feet	Sapling
Hemlock	15	Log/Pole	10					
Red Oak	53	Log/Pole	10	86				
Red Maple	20	Pole	8					
White Spruce	2	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
31	4134 - Aspen, Spruce/Fir	Poletimber Well	24.3	32	Immature	N/A	Stand was cut By Holli FP in 1991 under 31-008-89-01 Sands Section 36 Block. All oak was left in this harvest. Regeneration is a mix of aspen, jack pine, white pine, balsam fir, 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>Quaking Aspen</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Pole/Sapling</td> <td>6</td> <td>32</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling/Pole</td> <td>2</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10	Pole/Sapling	5		Bigtooth Aspen	30	Pole/Sapling	6	32	Paper Birch	5	Sapling/Pole	4		White Spruce	10	Sapling/Pole	4		Red Pine	5	Sapling/Pole	3		Balsam Fir	10	Sapling/Pole	4		Jack Pine	10	Pole/Sapling	5		White Pine	5	Sapling/Pole	2		Northern Pin Oak	15	Sapling/Pole	4	
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Quaking Aspen	10	Pole/Sapling	5																																																						
Bigtooth Aspen	30	Pole/Sapling	6	32																																																					
Paper Birch	5	Sapling/Pole	4																																																						
White Spruce	10	Sapling/Pole	4																																																						
Red Pine	5	Sapling/Pole	3																																																						
Balsam Fir	10	Sapling/Pole	4																																																						
Jack Pine	10	Pole/Sapling	5																																																						
White Pine	5	Sapling/Pole	2																																																						
Northern Pin Oak	15	Sapling/Pole	4																																																						
32	122 - Road/Parking Lot	Nonstocked	1.6	0	Unspecified	No	Thunder Valley Trail parking lot.																																																		
33	42110 - Planted Red Pine	Sapling Medium	19.1	2	Immature	N/A	Cut summer of 1991, permit#8-98. "Sands Sec 36 Blk". All oak was left. Patches of F5 occur in this multi-aged stand. The fir was prepared in 2016 for a SBW salvage sale Thunder Valley SBW. Stand was cut by Sanville Logging Inc. under sale 32-112-16-01 Thunder Valley SBW all Oak was left in the sale area. The stand will now be trenched and planted to red pine under FTP 32-886.9/9/2022 regen count: planted RP 789 tpa, volunteer RP 33 tpa, JP 89 tpa, balsam fir 56 tpa, aspen 22 tpa, oak 133 tpa, red maple 211 tpa																																																		
<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>Balsam Fir</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>1</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>90</td> <td>Sapling</td> <td>1</td> <td>2</td> </tr> <tr> <td>Red Maple</td> <td>4</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>1</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	2	Sapling	1		Quaking Aspen	1	Sapling	1		Red Pine	90	Sapling	1	2	Red Maple	4	Sapling	1		Red Oak	1	Sapling	1		Jack Pine	2	Sapling	1																
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Balsam Fir	2	Sapling	1																																																						
Quaking Aspen	1	Sapling	1																																																						
Red Pine	90	Sapling	1	2																																																					
Red Maple	4	Sapling	1																																																						
Red Oak	1	Sapling	1																																																						
Jack Pine	2	Sapling	1																																																						
34	42110 - Planted Red Pine	Sapling Well	14.4	28	Immature	N/A	CUT IN 91 PERMIT #8-89. PLANTED TO red pine 5/95. R1 and R2 as well as some minor semi-open areas occur as inclusions.																																																		
<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>3</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>3</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>3</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>91</td> <td>Sapling/Pole</td> <td>3</td> <td>28</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	3	Sapling	2		Bigtooth Aspen	3	Sapling	2		Northern Pin Oak	3	Sapling	2		Red Pine	91	Sapling/Pole	3	28																									
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Paper Birch	3	Sapling	2																																																						
Bigtooth Aspen	3	Sapling	2																																																						
Northern Pin Oak	3	Sapling	2																																																						
Red Pine	91	Sapling/Pole	3	28																																																					
35	429 - Mixed Upland Conifers	Poletimber Medium	1.9	62	81-110	N/A	Cut summer of 1991, permit#8-98. "Sands Sec 36 Blk". All oak was left. Patches of F5 occur in this multi-aged stand. The fir was prepared in 2016 for a SBW salvage sale Thunder Valley SBW. Stand was cut by Sanville Logging Inc. under sale 32-112-16-01 Thunder Valley SBW all Oak was left in the sale area. The stand will now be trenched and planted to 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>Bigtooth Aspen</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>4</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Sapling</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>4</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>45</td> <td>Pole</td> <td>7</td> <td>62</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	15	Sapling	2		White Pine	4	Log	14		Jack Pine	15	Pole	8		Red Pine	2	Log	15		Red Maple	5	Pole/Sapling	8		Paper Birch	4	Pole	8		White Spruce	45	Pole	7	62	Red Oak	10	Log	14						
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Bigtooth Aspen	15	Sapling	2																																																						
White Pine	4	Log	14																																																						
Jack Pine	15	Pole	8																																																						
Red Pine	2	Log	15																																																						
Red Maple	5	Pole/Sapling	8																																																						
Paper Birch	4	Pole	8																																																						
White Spruce	45	Pole	7	62																																																					
Red Oak	10	Log	14																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
36	4112 - Maple, Beech, Cherry Association	Poletimber Well	72.3	77	111-140	N/A	Selectively cut in 2001 by Northern Michigan Veneers under Canada Yew Sale (32-116-99-01).																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>34</td><td>Pole</td><td>9</td><td></td></tr> <tr><td>Red Maple</td><td>50</td><td>Pole</td><td>9</td><td>77</td></tr> <tr><td>White Pine</td><td>2</td><td>XLog/Log</td><td>18</td><td></td></tr> <tr><td>Quaking Aspen</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Yellow Birch</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Hemlock</td><td>8</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Red Oak</td><td>2</td><td>Log</td><td>14</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	34	Pole	9		Red Maple	50	Pole	9	77	White Pine	2	XLog/Log	18		Quaking Aspen	2	Log/Pole	12		Yellow Birch	2	Log/Pole	12		Hemlock	8	Pole	8		Red Oak	2	Log	14		<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>Canadian Yew</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Canadian Yew	High	< 5 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																															
Sugar Maple	34	Pole	9																																																
Red Maple	50	Pole	9	77																																															
White Pine	2	XLog/Log	18																																																
Quaking Aspen	2	Log/Pole	12																																																
Yellow Birch	2	Log/Pole	12																																																
Hemlock	8	Pole	8																																																
Red Oak	2	Log	14																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Canadian Yew	High	< 5 feet	Tall Shrub																																																
37	42210 - Natural Red Pine	Sawtimber Well	7.5	75	51-80	N/A	Stand was cut in 1991 under permit #10-89. All red pine and white pine where left. Creek on map is inaccurate/ does not effect 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>Northern Pin Oak</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>White Pine</td><td>15</td><td>Log</td><td>16</td><td></td></tr> <tr><td>Red Pine</td><td>80</td><td>Log</td><td>14</td><td>75</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	5	Log/Pole	10		White Pine	15	Log	16		Red Pine	80	Log	14	75	<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>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	10 - 20 feet	Sapling	White Pine	Medium	10 - 20 feet	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																															
Northern Pin Oak	5	Log/Pole	10																																																
White Pine	15	Log	16																																																
Red Pine	80	Log	14	75																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																
Red Oak	Low	10 - 20 feet	Sapling																																																
White Pine	Medium	10 - 20 feet	Sapling																																																
38	42120 - Planted Jack Pine	Sapling Well	14.8	28	Immature	N/A	Stand was cut in 1991 by Escanaba Paper under Sands Jack Pine 31-010-09-01. All oak was left. Stand was replanted to Jack pine in 1995.																																												
<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>Northern Pin Oak</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>2</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>White Pine</td><td>3</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Jack Pine</td><td>90</td><td>Sapling</td><td>2</td><td>28</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	5	Sapling	2		Bigtooth Aspen	2	Sapling	2		White Pine	3	Sapling	2		Jack Pine	90	Sapling	2	28																									
Canopy Species	% Cover	Size Class	DBH	Age																																															
Northern Pin Oak	5	Sapling	2																																																
Bigtooth Aspen	2	Sapling	2																																																
White Pine	3	Sapling	2																																																
Jack Pine	90	Sapling	2	28																																															
39	42250 - Pine, Oak	Sapling Well	12.0	28	51-80	N/A																																													
<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>Bigtooth Aspen</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Jack Pine</td><td>20</td><td>Sapling</td><td>2</td><td>28</td></tr> <tr><td>Red Oak</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>White Pine</td><td>35</td><td>Sapling</td><td>2</td><td>28</td></tr> <tr><td>Northern Pin Oak</td><td>25</td><td>Log/Pole</td><td>12</td><td>77</td></tr> <tr><td>Red Pine</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	5	Sapling	2		Jack Pine	20	Sapling	2	28	Red Oak	5	Sapling	2		White Pine	35	Sapling	2	28	Northern Pin Oak	25	Log/Pole	12	77	Red Pine	5	Sapling	2		Red Maple	5	Sapling	2											
Canopy Species	% Cover	Size Class	DBH	Age																																															
Bigtooth Aspen	5	Sapling	2																																																
Jack Pine	20	Sapling	2	28																																															
Red Oak	5	Sapling	2																																																
White Pine	35	Sapling	2	28																																															
Northern Pin Oak	25	Log/Pole	12	77																																															
Red Pine	5	Sapling	2																																																
Red Maple	5	Sapling	2																																																
40	42250 - Pine, Oak	Poletimber Well	95.9	81	81-110	N/A	A pine oak stand with red pine being the dominant species in most areas. Oak is a little smaller and only codominant in most areas, thought there are areas with Oak being there primary canopy. Stand under contract Prehistoric Pine 32-024-19 sale owned by Holli Forest Products.																																												
<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>Hemlock</td><td>3</td><td>Pole/Sap/Log</td><td>7</td><td></td></tr> <tr><td>Red Pine</td><td>34</td><td>Log</td><td>14</td><td>81</td></tr> <tr><td>Bigtooth Aspen</td><td>2</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Red Oak</td><td>34</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>White Pine</td><td>22</td><td>Log/XLog</td><td>16</td><td></td></tr> <tr><td>Jack Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	3	Pole/Sap/Log	7		Red Pine	34	Log	14	81	Bigtooth Aspen	2	Pole	8		Red Oak	34	Pole	8		White Pine	22	Log/XLog	16		Jack 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>White Pine</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	10 - 20 feet	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																															
Hemlock	3	Pole/Sap/Log	7																																																
Red Pine	34	Log	14	81																																															
Bigtooth Aspen	2	Pole	8																																																
Red Oak	34	Pole	8																																																
White Pine	22	Log/XLog	16																																																
Jack Pine	5	Log/Pole	10																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
White Pine	High	10 - 20 feet	Sapling																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
41	42210 - Natural Red Pine	Sawtimber Well	4.7	91	141-170	N/A	Some dense pockets of large pine occur. Stand under contract Prehistoric Pine 32-024-19 sale owned by Holli Forest Products.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		25	XLog/Log	18		White Pine		
Red Oak		10	Pole/Sap/Log	8		High		
Red Pine		61	Log/XLog	16	91	10 - 20 feet		
Hemlock		4	Pole/Sapling	7		Sapling		
42	42290 - Natural Mixed Pine	Sawtimber Well	5.7	67	81-110	N/A	Thunder Valley horse trail runs through stand. Stand under contract Prehistoric Pine 32-024-19 sale owned by Holli Forest Products.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern Pin Oak		12	Pole	8		White Pine		
Red Maple		3	Pole	7		High		
White Pine		25	XLog/Log	18		Paper Birch		
Jack Pine		30	Log/Pole	12	67	Low		
Red Pine		30	Log/XLog	16		Red Maple		
						>20 feet		
						Sapling		
43	42290 - Natural Mixed Pine	Sawtimber Medium	13.0	82	51-80	N/A	Harvested in 2011 by Minerick Logging under TS#32-113-09-01 Thunder Valley Sale. Oak and large pines left for in stand retention.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern Pin Oak		28	Pole	8		Red Maple		
Hemlock		2	Pole	7		Medium		
White Pine		30	Log	17		5 - 10 feet		
Red Pine		40	Log	15	82	Sapling		
						White Pine		
						Medium		
						5 - 10 feet		
						Sapling		
						Northern Pin Oak		
						Low		
						5 - 10 feet		
						Sapling		
						Bigtooth Aspen		
						Medium		
						5 - 10 feet		
						Sapling		
44	4310 - Pine, Oak Mix	Poletimber Medium	10.2	81	1-50	N/A	Harvested in 2011 by Minerick Logging under TS#32-113-09-01 Thunder Valley Sale. Oak and large pines left for in stand retention.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern Pin Oak		30	Pole/Sap/Log	6				
Quaking Aspen		5	Sapling	1				
White Pine		15	Pole	8				
Red Maple		15	Sapling	1				
Red Pine		30	Pole/Sap/Log	8	81			
Jack Pine		5	Sapling	1				
45	3102 - Grass	Nonstocked	5.0		Unspecified	Managed Opening	Stand was cleared in Aug. 1994 and seeded in Aug. 1995.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
46	4130 - Aspen	Sapling Well	16.6	33	Immature	N/A	Cut in 1990 by Milo Palm under SE 26 Aspen Sale. All oak where left as well.																																																									
<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>Northern Pin Oak</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>Balsam Fir</td><td>4</td><td>Sapling</td><td>4</td><td></td></tr> <tr><td>Red Pine</td><td>3</td><td>Log</td><td>14</td><td></td></tr> <tr><td>Red Maple</td><td>8</td><td>Sapling</td><td>3</td><td></td></tr> <tr><td>White Pine</td><td>2</td><td>Log</td><td>12</td><td></td></tr> <tr><td>Paper Birch</td><td>3</td><td>Sapling</td><td>3</td><td></td></tr> <tr><td>Quaking Aspen</td><td>20</td><td>Sapling</td><td>4</td><td>33</td></tr> <tr><td>Bigtooth Aspen</td><td>55</td><td>Sapling</td><td>4</td><td>33</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	5	Log/Pole	10		Balsam Fir	4	Sapling	4		Red Pine	3	Log	14		Red Maple	8	Sapling	3		White Pine	2	Log	12		Paper Birch	3	Sapling	3		Quaking Aspen	20	Sapling	4	33	Bigtooth Aspen	55	Sapling	4	33	<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>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Northern Pin Oak</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling	Northern Pin Oak	Medium	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Northern Pin Oak	5	Log/Pole	10																																																													
Balsam Fir	4	Sapling	4																																																													
Red Pine	3	Log	14																																																													
Red Maple	8	Sapling	3																																																													
White Pine	2	Log	12																																																													
Paper Birch	3	Sapling	3																																																													
Quaking Aspen	20	Sapling	4	33																																																												
Bigtooth Aspen	55	Sapling	4	33																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	Low	5 - 10 feet	Sapling																																																													
Balsam Fir	Low	5 - 10 feet	Sapling																																																													
Northern Pin Oak	Medium	5 - 10 feet	Sapling																																																													
47	4112 - Maple, Beech, Cherry Association	Sawtimber Well	77.3	82	111-140	N/A	Selectively cut in 2001 by Northern Michigan Veneers under Canada Yew Sale (32-116-99-01). This site was also harvested using a selection system in 1948-1949. Hilly terrain in this "80". Man made pond in NE corner is in trespass.																																																									
<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>Hemlock</td><td>8</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Red Maple</td><td>45</td><td>Log/Pole</td><td>10</td><td>82</td></tr> <tr><td>Yellow Birch</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Sugar Maple</td><td>42</td><td>Pole</td><td>9</td><td></td></tr> <tr><td>Paper Birch</td><td>3</td><td>Log/Pole</td><td>10</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	8	Log/Pole	12		Red Maple	45	Log/Pole	10	82	Yellow Birch	2	Log/Pole	12		Sugar Maple	42	Pole	9		Paper Birch	3	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>Canadian Yew</td><td>High</td><td>5 - 10 feet</td><td>Tall Shrub</td></tr> <tr><td>Red Maple</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Sugar Maple</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Canadian Yew	High	5 - 10 feet	Tall Shrub	Red Maple	Medium	10 - 20 feet	Sapling	Balsam Fir	Low	10 - 20 feet	Sapling	Sugar Maple	Medium	10 - 20 feet	Sapling											
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Hemlock	8	Log/Pole	12																																																													
Red Maple	45	Log/Pole	10	82																																																												
Yellow Birch	2	Log/Pole	12																																																													
Sugar Maple	42	Pole	9																																																													
Paper Birch	3	Log/Pole	10																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Canadian Yew	High	5 - 10 feet	Tall Shrub																																																													
Red Maple	Medium	10 - 20 feet	Sapling																																																													
Balsam Fir	Low	10 - 20 feet	Sapling																																																													
Sugar Maple	Medium	10 - 20 feet	Sapling																																																													
85	42250 - Pine, Oak	Poletimber Well	54.2	81	81-110	N/A	A pine oak stand with red pine being the dominant species in most areas . Oak is a little smaller and only codominant in most areas , thought there are areas with Oak being there primary canopy.																																																									
<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>Jack Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>White Pine</td><td>22</td><td>Log/XLog</td><td>16</td><td></td></tr> <tr><td>Hemlock</td><td>3</td><td>Pole/Sap/Log</td><td>7</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>2</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Northern Pin Oak</td><td>34</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Red Pine</td><td>34</td><td>Log</td><td>14</td><td>81</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	5	Log/Pole	10		White Pine	22	Log/XLog	16		Hemlock	3	Pole/Sap/Log	7		Bigtooth Aspen	2	Pole	8		Northern Pin Oak	34	Pole	8		Red Pine	34	Log	14	81	<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>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	10 - 20 feet	Sapling																		
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Jack Pine	5	Log/Pole	10																																																													
White Pine	22	Log/XLog	16																																																													
Hemlock	3	Pole/Sap/Log	7																																																													
Bigtooth Aspen	2	Pole	8																																																													
Northern Pin Oak	34	Pole	8																																																													
Red Pine	34	Log	14	81																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	High	10 - 20 feet	Sapling																																																													
86	42250 - Pine, Oak	Poletimber Well	35.0	81	81-110	N/A	A pine oak stand with red pine being the dominant species in most areas . Oak is a little smaller and only codominant in most areas , thought there are areas with Oak being there primary canopy.																																																									
<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 Pine</td><td>34</td><td>Log</td><td>14</td><td>81</td></tr> <tr><td>Northern Pin Oak</td><td>34</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>White Pine</td><td>22</td><td>Log/XLog</td><td>16</td><td></td></tr> <tr><td>Jack Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>Hemlock</td><td>3</td><td>Pole/Sap/Log</td><td>7</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>2</td><td>Pole</td><td>8</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	34	Log	14	81	Northern Pin Oak	34	Pole	8		White Pine	22	Log/XLog	16		Jack Pine	5	Log/Pole	10		Hemlock	3	Pole/Sap/Log	7		Bigtooth Aspen	2	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>High</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	10 - 20 feet	Sapling																		
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Pine	34	Log	14	81																																																												
Northern Pin Oak	34	Pole	8																																																													
White Pine	22	Log/XLog	16																																																													
Jack Pine	5	Log/Pole	10																																																													
Hemlock	3	Pole/Sap/Log	7																																																													
Bigtooth Aspen	2	Pole	8																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	High	10 - 20 feet	Sapling																																																													