



# Compartment Review Presentation

## Grayling Forest Management Unit

Compartment 72200

Entry Year 2023

Acreage: 1,720

County Crawford

Management Area: Camp Grayling

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**Revision Date:** 2021-03-30

**Stand Examiner:** Derek Nellis

### Legal Description:

T26N, R4W. Sections 34, 35, and 36, Grayling Township.

### Identified Planning Goals:

This compartment is comprised of Military Board Lands and National Guard leased lands and is in the Hanson Refuge. Hanson Refuge lands were given to the National Guard by Rasmus Hanson in 1913 with the following deed restrictions: first, the lands are to be used as a permanent encampment and maneuvering ground for the military of this state; second, it is to serve as a game preserve for the breeding and protection of game; and third, as a forest reserve. These restrictions have been interpreted as the DNR can manage the natural resources on these lands if management does not conflict with military needs. The primary management objective for the lands is to be used for military training. Other goals include managing stands for special military needs, species diversity, health, productivity, visual management, and multiple use of the area.

### Soil and topography:

Soil types within this compartment consist mostly of Roselawn sands, Graycalm sands or Roselawn and Rubicon-Roselawn sands. Topography is gently rolling terrain containing ridge tops and valleys except for the Three Sisters Range in southwest half of section 34. The terrain in this area is steep.

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

The compartment is comprised of contiguous ownership, with some private lands located in the south half of section 35. State ownership consists of military board lands and the remaining State of Michigan lands are leased by the military under L-1479 (Act 54 P.A. 1935). The compartment is part of the Hanson Refuge. Hanson Refuge lands were given to the National Guard by Rasmus Hanson in 1913 and have been interpreted as hunting is not allowed on these lands. This area is heavily used by the military for training purposes. Other uses are limited due to Hanson restrictions.

### Unique Natural Features:

The Hills Thistle (*circium hilli*, state special concern) is found in area.

### Archeological, Historical, and Cultural Features:

None recorded

### Special Management Designations or Considerations:

The military ammunition dump is in stand 1, requiring access to the area be minimized for security reasons. The compartment contains a military orienteering course and military encampments. Also need to consider Hill's Thistle and visual management.

### Watershed and Fisheries Considerations:

None

### Wildlife Habitat Considerations:

To maintain existing cover types and promote age class diversity where possible to improve habitat conditions for various species of wildlife.

### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Michigan Formation and Marshall Sandstone. These formations are or have been quarried for gypsum and building stone elsewhere in the State. The nearest gravel pit is located in Section 34 and potential is thought to be good. This is part of the State Military Reservation. Section 36 is leased for oil and gas development. The nearest production is Beaver Creek Field, located two miles to the southwest.

**Vehicle Access:**

A small portion of the compartment, in the northwest corner of section 34 is inaccessible, other than to military use because of the fenced military ammunition dump. The remaining portions of this compartment can easily be accessed from Military Road, 4 Mile Road and two track roads from the compartment to the north. Several two - track roads exist throughout the compartment including a snowmobile trail. Some of these two track roads, however, have been blocked by the military to restrict access and increase security. All new roads constructed for management activities are to be closed.

**Survey Needs:**

None needed

**Recreational Facilities and Opportunities:**

The compartment is part of the Hanson Game Refuge and thus is closed to hunting. The compartment contains a designated snowmobile trail, Blue Bear Trail #7.

**Fire Protection:**

The compartment contains very little high hazard fire types. Road access is adequate.

**Additional Compartment Information:**

Oak wilt has been documented in the east half of section 36.

**The following reports from the Inventory are attached:**

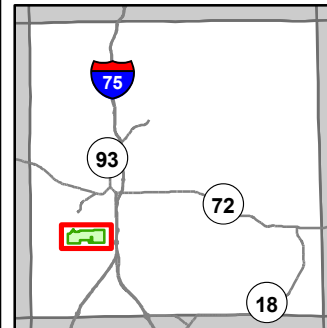
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

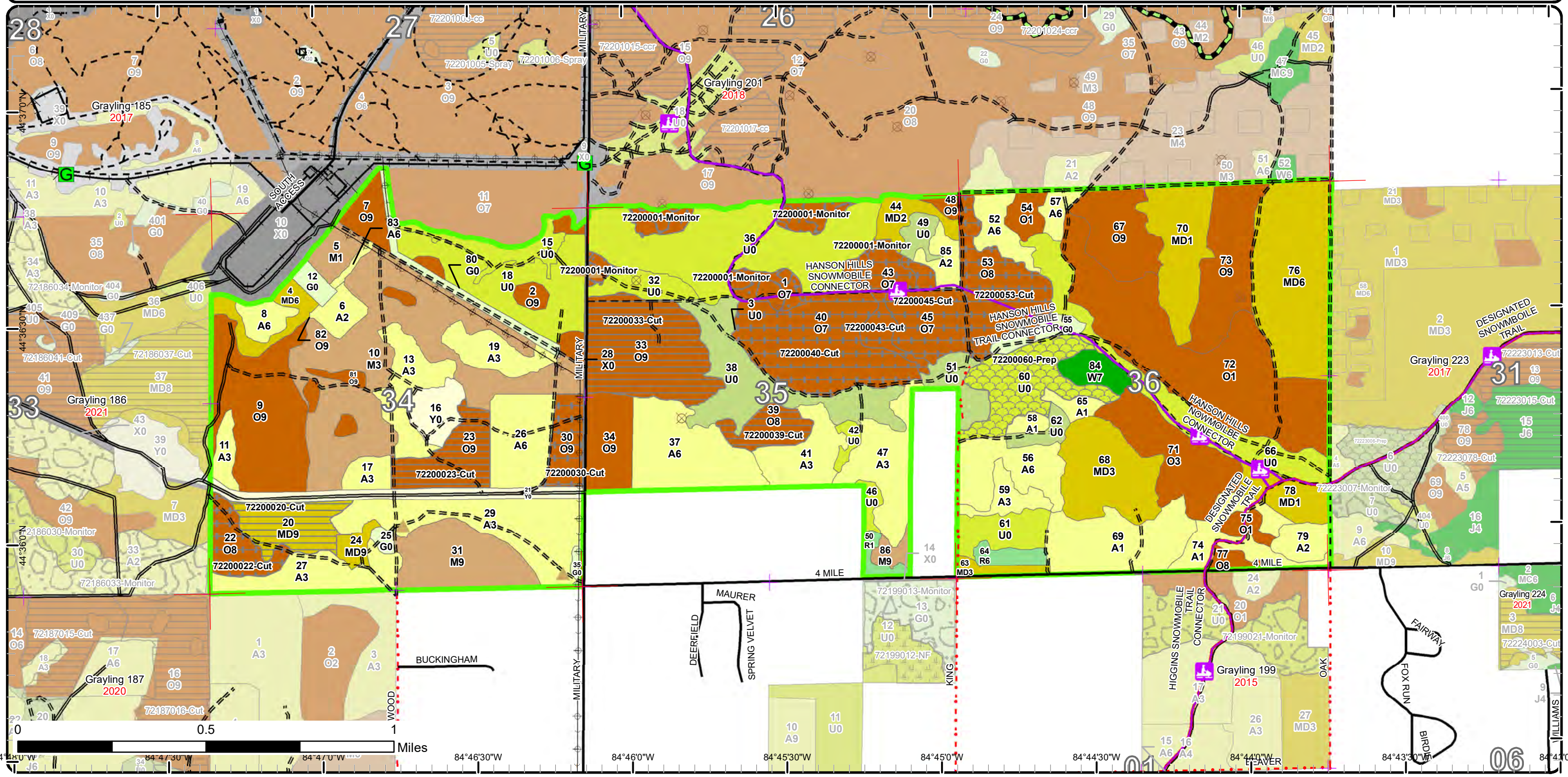
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 200  
 T26N, R04W, Sec. 34-36  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2023  
 Acres: 1719.5 GIS Calculated  
 Examiner: Derek Nellis  
 Map Revised: 9/1/2021  
 Map Phase: Review

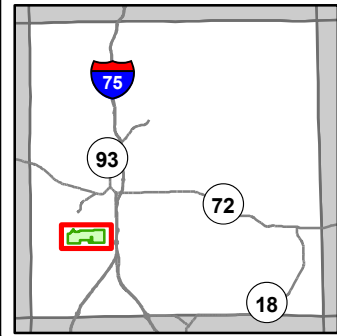


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Non-DNR Trails - User Created
- Berms
- Gate
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Regeneration Survey
- Site Prep
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 710 - Sand/Soil
- Camp Grayling Land Navigation Marker
- Camp Grayling Gates
- Camp Grayling Fence

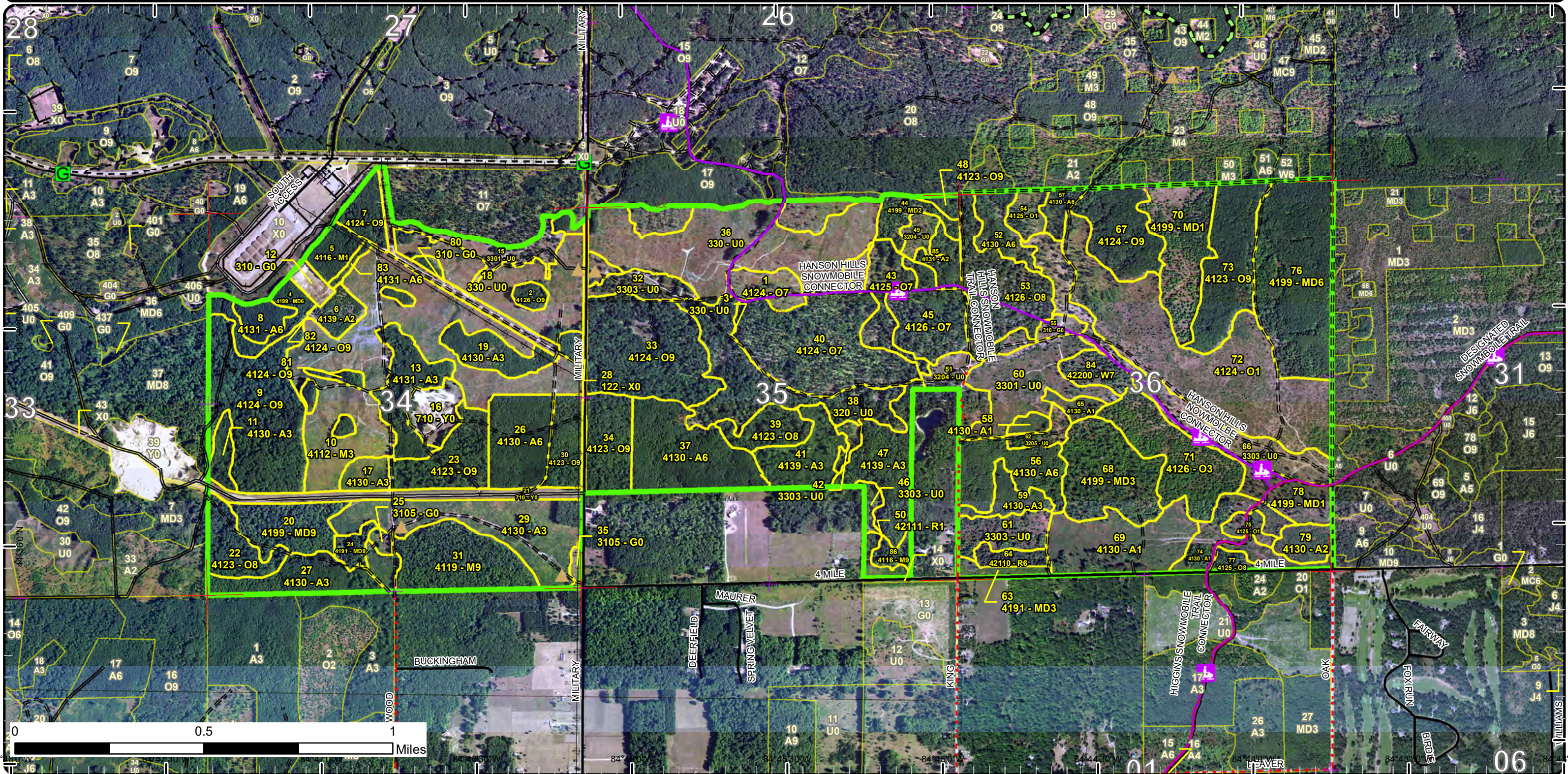


# Stand Boundary Map

Compartment: 200  
 T26N, R04W, Sec. 34-36  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2023  
 Acres: 1719.5 GIS Calculated  
 Examiner: Derek Nellis  
 Map Revised: 9/1/2021  
 Map Phase: Review

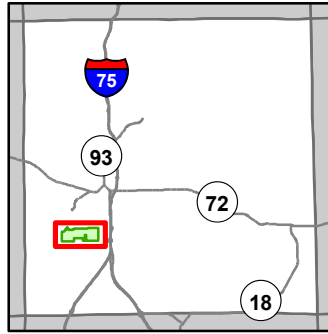


- Miris Corners
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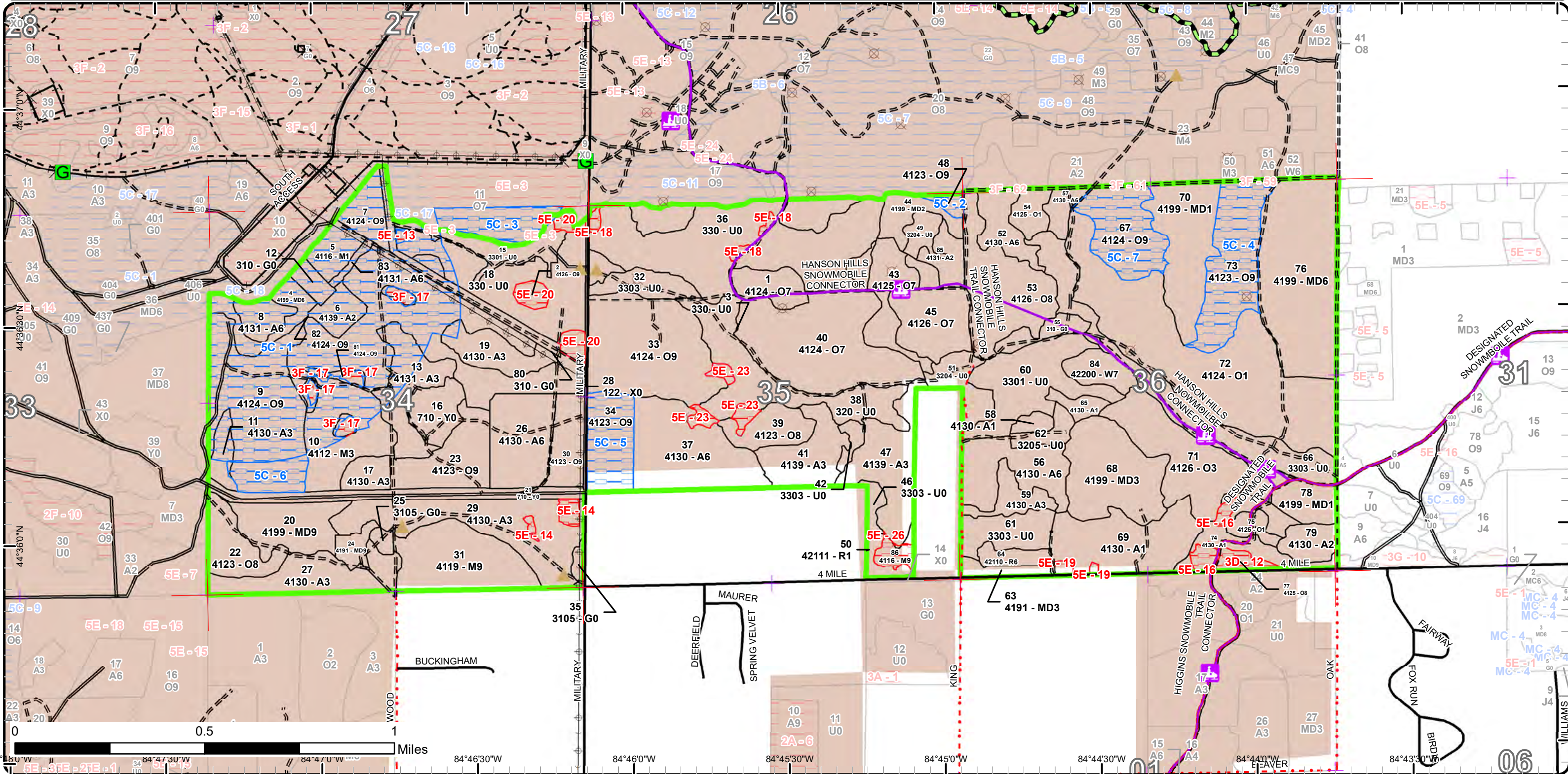


# Special Conservation Areas

Compartment: 200  
 T26N, R04W, Sec. 34-36  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2023  
 Acres: 1719.5 GIS Calculated  
 Examiner: Derek Nellis  
 Map Revised: 9/1/2021  
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Non-DNR Trails - User Created
- G Gate
- + Powerline
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3D: Recreational / Scenic values
- 3F: Military easement / lease
- 5E: Long-Term Retention
- Stand Boundaries
- Research, Development, and Military Lands
- X Camp Grayling Land Navigation Marker
- X Camp Grayling Gates
- Camp Grayling Fence



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	151	50	65	90	27	0	0	0	0	0	0	0	0	0	0	0	0	383
Herbaceous Openland	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Low-Density Trees	236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	236
Mixed Upland Deciduous	0	15	42	43	64	11	0	5	0	21	0	0	0	0	0	0	0	0	201
Northern Hardwood	0	113	0	0	0	0	0	0	0	5	0	34	0	0	0	0	0	0	151
Oak	0	12	97	36	0	0	0	0	0	23	297	138	0	0	0	0	0	0	603
Red Pine	0	0	4	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	10
Sand, Soil	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Upland Shrub	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
<b>Total</b>	<b>363</b>	<b>291</b>	<b>193</b>	<b>144</b>	<b>154</b>	<b>38</b>	<b>6</b>	<b>5</b>	<b>9</b>	<b>49</b>	<b>297</b>	<b>172</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1720</b>



## Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 200

Total Compartment Acres: 1,720

Commercial Harvest - 273  
 Harvests with Site Condition - 0  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Mixed Upland Deciduous	21	0	0	0	0	0	0	0	0	21
Oak	88	0	0	0	0	0	163	0	0	252
<b>Total</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163</b>	<b>0</b>	<b>0</b>	<b>273</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	273	33	0	0	0	0	31	0	0	337
Next Step	0	86	86	0	0	172	57	0	0	401
<b>Total</b>	<b>273</b>	<b>119</b>	<b>86</b>	<b>0</b>	<b>0</b>	<b>172</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>738</b>



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

<b>1</b>	<b>72200001-Monitor</b>	31.3	4124 - Red with White Oak	Sawtimber Poor	93	1-50	Monitoring	Natural Regen (Re-Inventory)	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription</u> check during next inventory cycle</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixture of maple and oak meeting minimum stocking levels.</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 /2031</p>											
<b>20</b>	<b>72200020-Cut</b>	21.4	4199 - Other Mixed Upland Deciduous	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all trees greater than 2" DBH except leave all pine, white oak, and red oak over 22"DBH. Protect white pine regeneration. Low stump, chip, and military notification specs.</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> a moderately stocked stand of oak, pine, maple, and aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
<b>22</b>	<b>72200022-Cut</b>	15.9	4123 - Red Oak	Sawtimber Medium	102	51-80	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all trees greater than 1" except do not harvest any pine and do not harvest oak over 24". Protect pine regeneration. Low stump, chip, and military notification specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> 70% pine and/or oak remainder of mixed species to meet moderate stocking.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>23 72200023-Cut</b>	22.7	4123 - Red Oak	Sawtimber Well	80	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all trees greater than 1"DBH. Add military specs.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> A moderately stock Mixed upland deciduous stand with a minimum of 20% oak.  <u>Regen:</u>  <u>Other</u> Harvest to 1" DBH in an attempt to give competitive advantage to oak stump sprouts due to unsuccessful oak regen after previous harvest.  <u>Comment:</u> Low stump, chip, and military notification specs.  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>30 72200030-Cut</b>	13.5	4123 - Red Oak	Sawtimber Well	100	81-110	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all trees greater than 1" DBH accept do not cut any pine or green marked white oak. Protect pine regen. Mark to leave 5-10 TPA  <u>Specs:</u> white oak for mast production. Low stump, chip, and military notification specs.  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u> Pine and oak to meet minimum stocking.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>33 72200033-Cut</b>	52.9	4124 - Red with White Oak	Sawtimber Well	101	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all trees down to 1"DBH. Focus retention around white pine. Low stump, chip, and military notification specs.  <u>Specs:</u>  <u>Next Step</u> Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder - Release  <u>Treatments:</u>  <u>Acceptable</u> Planted red pine at acceptable stocking  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>39 72200039-Cut</b>	12.5	4123 - Red Oak	Sawtimber Medium	98	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all trees greater than 2" DBH except do not harvest white pine and do not harvest marked white oak. Mark 10 BA of white oak to retain for mast production. Low stump, chip, and military notification specs.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Oak, Maple, Aspen, White Pine at levels to meet minimum stocking  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>40 72200040-Cut</b>	57.1	4124 - Red with White Oak	Sawtimber Poor	93	51-80	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all merchantable stems. Include retention islands in addition retain 2-5 large crowned white oak per acre for habitat and mast production. Low stump, chip, military notification, and snowmobile trail specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> A mix of oak, maple, and aspen to meet minimum stocking. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>43 72200043-Cut</b>	16.2	4125 - Black, N. Pin Oak	Sawtimber Poor	92	1-50	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all merchantable stems. Include retention islands in addition retain 2-5 large crowned white oak per acre for habitat and mast production. Low stump, chip, military notification, and snowmobile trail specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> A mix of oak, maple, and aspen to meet minimum stocking. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>45 72200045-Cut</b>	24.7	4126 - White, Black, N. Pin Oak	Sawtimber Poor	92	1-50	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all merchantable stems. Include retention islands in addition retain 2-5 large crowned white oak per acre for habitat and mast production. Low stump, chip, military notification, and snowmobile trail specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> A mix of oak, maple, and aspen to meet minimum stocking. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>										



Standard

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
53	72200053-Cut	36.0	4126 - White, Black, N. Pin Oak	Sawtimber Medium	92	1-50	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all merchantable stems. Include retention islands in addition retain 2-5 large crowned white oak per acre for habitat and mast production. Low stump, chip, military notification, and snowmobile trail specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> A mix of oak, maple, and aspen to meet minimum stocking. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
60	72200060-Prep	33.2	3301 - Low Density Deciduous Trees	Nonstocked	0	Unspecified	SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Roller chop to site prep for RP planting</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder - Release <u>Treatments:</u></p> <p><u>Acceptable</u> Planted red pine to meet moderate stocking levels. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

**Total Treatment Acreage Proposed: 337.4**

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Derek Nellis : Examiner

Compartment: 200  
Year of Entry: 2023

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		5C	3D	3F	5E
383	343	<b>31</b>	10	Aspen	<b>31</b>	0	0	9
26	16	<b>10</b>	0	Herbaceous Openland	<b>10</b>			
236	226	<b>7</b>	3	Low-Density Trees	<b>7</b>			3
201	190	<b>11</b>	0	Mixed Upland Deciduous	<b>11</b>		0	0
152	75	<b>72</b>	4	Northern Hardwood	<b>72</b>		0	4
601	427	<b>155</b>	19	Oak	<b>155</b>	4	6	9
10	10	<b>0</b>	0	Red Pine				0
31	31	<b>0</b>	0	Sand, Soil				
66	61	<b>0</b>	5	Upland Shrub				5
4	4	<b>0</b>	0	Urban				
9	9	<b>0</b>	0	White Pine				
1,720	1,391	<b>286</b>	42	Total Forested Acres	<b>286</b>	4	7	31
	81%	<b>17%</b>	3%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available		<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	192	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> see locked comments								
2	Available		<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Derek Nellis : Examiner

Compartment: 200  
Year of Entry: 2023

3	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	35	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Derek Nellis : Examiner

Compartment: 200  
Year of Entry: 2023

13	Unavailable	5E: Long-Term Retention	1	3F: Military easement / lease	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Military-identified Potential Explosive Safety Arc around the Ammo Supply Point (ASP). Contractors working within this area have to coordinate activities with the ASP and accept (in writing) the potential risks associated with working in that area.							
14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Unavailable	3F: Military easement / lease	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Military-identified Potential Explosive Safety Arc around the Ammo Supply Point (ASP). Contractors working within this area have to coordinate activities with the ASP and accept (in writing) the potential risks associated with working in that area.							
18	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Grayling Mgt. Unit**  
**Derek Nellis : Examiner**

**Compartment: 200**  
**Year of Entry: 2023**

23	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**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	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
1	4124 - Red with White Oak	Sawtimber Poor	31.7	93	1-50	N/A	<p>Very little regeneration. Continuous browsing has all desirable species mowed down to less than 5 feet. Stand was harvested under contract White Owl Oak, 72-640-13, in the spring/summer of 2015. Was part of stand 36 originally but had a shelterwood treatment prescribed.</p> <p>Large mixed Oak stand with some Red maple and Aspen within it. Very little understory, red maple mostly. Park-like understory. Military (Hanson refuge). Snowmobile trail traverses through stand. Two to three new military compass course markers within stand or near edge of stand.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Oak		64	Log/Pole	12	93	Red Maple		Low	Variable	Sapling	
White Oak		36	Log/Pole	12		Oak (spp.)		Low	Variable	Sapling	
2	4126 - White, Black, N. Pin Oak	Sawtimber Well	10.3	93	81-110	N/A	<p>Some overstory mortality indicative of the age of this multi-part stand. Provides visual screening for ASP.</p> <p>This stand is multiple islands excluded when stand 18 was harvested, these were designated as exclusions and not retention. Copied data over from original stand.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		40	Log/Pole	12	93						
White Oak		35	Log/Pole	12							
Bigtooth Aspen		15	Log/Pole	10							
Red Maple		10	Pole/Log	9							
3	330 - Low-Density Trees	Nonstocked	0.0		Immature	No					
4	4199 - Other Mixed Upland Deciduous	Poletimber Well	11.3	43	81-110	N/A	<p>Merch hardwood stems were cut by 1978 (#033-76) for Military facility expansion. Stand 5 was part of the same harvest but was split off by later facility clearing (stand 6). 2011 YOE field inventory by Farrer; original comments: Aspen/Oak stand with Red maple and some pine. JC updates limited to stand age and harvest comments, based on timbersale records.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		50	Pole/Sapling	7	43	Red Maple		Medium	Variable	Sapling	
Red Oak		30	Pole/Sapling	7		Witch Hazel		Medium	Variable	Tall Shrub	
Bigtooth Aspen		5	Pole/Sapling	7	43	Aspen (spp.)		Medium	Variable	Sapling	
White Oak		15	Pole	8		Oak (spp.)		Low	Variable	Sapling	
5	4116 - Mixed N. Hardwood - Aspen	Sapling Poor	8.8	2	Immature	N/A	<p>The stand has regenerated to red maple and Aspen with a minor component of oak. Was originally cut in 1978 (#033-76) for Military facility expansion. Clearcut again by June 2018 (#602-18) to facilitate site clearing for a Military construction project.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		60	Sapling	1	2						
Quaking Aspen		40	Sapling	1							
6	4139 - Aspen, Mixed Deciduous	Sapling Medium	7.6	14	Immature	N/A	<p>Stand was cut in 2004 and broke stands 5 and 6 in half for proposed military expansion of ammo depot.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		35	Sapling	2							
Red Oak		10	Sapling	1							
White Oak		5	Sapling	2							
Quaking Aspen		10	Sapling	2							
Bigtooth Aspen		40	Sapling	2	14						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
7	4124 - Red with White Oak	Sawtimber Well	10.1	94	81-110	N/A	A few scattered white pine saplings along the east side. Healthy overstory of mature Red maple, White Oak and Red Oak.																																									
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8	4131 - Aspen, Oak	Poletimber Well	7.6	43	81-110	N/A	Merch hardwood stems were cut by 1978 (#033-76) for Military facility expansion. Stand 5 was part of the same harvest but was split off by later facility clearing (stand 6). 2011 YOE field inventory by Farrer; original comments: Aspen/Oak stand with Red maple and some pine. JC updates limited to stand age and harvest comments, based on timbersale records.																																									
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9	4124 - Red with White Oak	Sawtimber Well	57.0	92	111-140	N/A	Steep slopes (>40%) show evidence of no harvesting during the last entry. Remaining portions of the stand have regeneration approaching pole size. BA is highly variable. The cutting record from 1995 states 42 BA average for the stand which actually consists of small clearcut areas with pockets of 60-100 BA of oak. Stand thinned via removal in 1995, 42 BA residual. Heavy Red maple and Aspen regen. Lots of Witch hazel too.																																									
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10	4112 - Maple, Beech, Cherry Association	Sapling Well	104.4	6	Immature	N/A	Harvested in spring/summer 2015. Old Comment: Stand of Oak, Aspen and Red Maple located on and around Three Sister Range. Some very steep terrain. Military.																																									
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11	4130 - Aspen	Sapling Well	6.2	27	81-110	N/A	Aspen mixed with red maple. A small component, less than 10 BA, of sawlog sized overstory red oak retained from previous harvest. Some steep slopes present.																																									
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12	310 - Herbaceous Openland	Nonstocked	4.5	0	Immature	No	Some Aspen and red maple encroaching.. Part of original stand 6. Currently herbaceous openland.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
13	4131 - Aspen, Oak	Sapling Well	21.6	26	51-80	N/A	Some steep slopes and drop-offs around the old borrow pit to the east and trails to the west. Some erosion on trails. Immature Aspen stand with scattered pockets of Oak in the overstory. When stand was harvested about 16 years ago (1995?), patches of 60-80 BA of OAK was left for visual. Most of it appears in the north end of stand.																																					
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15	3301 - Low Density Deciduous Trees	Nonstocked	13.5			No	Some patches of oak regen around pockets of mature trees. Low density deciduous trees. Other wise herbacious opening.																																					
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16	710 - Sand, Soil	Nonstocked	12.0		Immature	No	Old borrow pit on south side of Three Sisters Range.																																					
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17	4130 - Aspen	Sapling Well	6.7	7	Immature	N/A	Harvested in spring of 2014 under 72-645-13-01. Thick regeneration, passes regen check at time of sale closing.																																					
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Bigtooth Aspen	65	Sapling	1	7																																								
18	330 - Low-Density Trees	Nonstocked	39.8	0		4126 - White, Black, N. Pin Oak	Regeneration has filled in to a moderately stocked sapling stand of mixed oak, maple, and aspen.  Stand final harvested in spring of 2015 under 72-645-13-01. Oak stump sprouts and some aspen pockets are regenerating at time of sale closing.																																					
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19	4130 - Aspen	Sapling Well	14.4	17	Immature	N/A	Trace amounts of oak around the perimeter. Stand was harvested in 2007 under contract 720390301. Aspen, Red maple and Oak regen.																																					
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20	4199 - Other Mixed Upland Deciduous	Sawtimber Well	21.4	86	81-110	N/A	White pine regen present in the west side of the stand. Some legacy trees scattered throughout.																																																																																																							
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21	710 - Sand, Soil	Nonstocked	18.6			No	Two track rd that was widened and improved upon by the military. Access to their gravel pit in adjacent comp to the west (186).																																																																																																							
22	4123 - Red Oak	Sawtimber Medium	15.9	102	51-80	N/A	BA 40, 80, 80, 70 all red oak. Similar regen composition as previous inventory. Stand was thinned in 2007 under contract 720140301 Military & King Rd Oak. Mostly Red maple and White pine regen in understory. Some Aspen and Beech regen. Very little Oak regen. 70BA residual.																																																																																																							
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23	4123 - Red Oak	Sawtimber Well	22.7	80	51-80	N/A	Regeneration is 10-20ft. Similar composition to previous inventory.																																																																																																							
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24	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	5.1	60	81-110	N/A	The majority of white pine are multi stem xlog.																																																																																																							
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25	3105 - Mixed Upland Herbaceous	Nonstocked	2.2			No	Grassy opening. Some aspen encroachment from the south. Secondary forest rd bisects the stand.																																												
26	4130 - Aspen	Poletimber Well	25.5	36	141-170	N/A	Stand was last harvested in 1985. Young Aspen pole stand mixed with other deciduous species and some pine.																																												
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27	4130 - Aspen	Sapling Well	20.2	26	Immature	N/A	Some red pine regeneration along the edges.  Immature Aspen stand mixed with Red maple and some Beech. Harvested with stand in comp to the south. East end of stand has a couple of small pockets of Oak in overstory.																																												
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28	122 - Road/Parking Lot	Nonstocked	4.2		Immature	No																																													
29	4130 - Aspen	Sapling Well	51.5	7	Immature	N/A	Stand harvested in spring of 2014 under 72-645-13-01. Stand has thick aspen regeneration and passes regeneration check at time of sale closing.																																												
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30	4123 - Red Oak	Sawtimber Well	13.5	100	81-110	N/A	Mixed oak stand with a minor component of white pine saw. 5-10 foot tall white pine regeneration throughout the stand.  Stand was previously cut in the past. Stand borders Military rd.																																												
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<b>31</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	34.2	108	51-80	N/A	Heavy Beech understory. White pine coming in around the perimeter. Stand thinned in spring of 2014 under contract 72-645-13-01. West of of the stand was a pocket of aspen and clearcut and merged with stand 29.																																																																																		
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<b>32</b>	3303 - Mixed Low Density Trees	Nonstocked	10.1		Immature	No	A few large open grown oak with some patches of oak pole. cherry, red maple and white pine in patches. Open areas dominated by sedges and sweet fern.																																																																																		
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<b>33</b>	4124 - Red with White Oak	Sawtimber Well	52.9	101	51-80	N/A	14 year old maple sprouts throughout.  Stand was thinned to 60 BA in 2007 under contract 720140301 Military & King Rd Oak. Very little Oak stump sprouts or regen. Mostly Red maple regen, especially from stump sprouts.																																																																																		
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<b>34</b>	4123 - Red Oak	Sawtimber Well	20.3	100	51-80	N/A	Oak and maple stand with maple regeneration. Some white pine saplings present but not as much as stand 30.																																																																																		
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<b>35</b>	3105 - Mixed Upland Herbaceous	Nonstocked	2.1			No	Small non-forested opening along Military Rd.																																																																																		
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36	330 - Low-Density Trees	Nonstocked	78.9	0		4199 - Other Mixed Upland Deciduous	Stand harvested in spring/summer of 2015 under contract 72-640-13-01, White Owl Oak, there were three retention islands left.  Large mixed Oak stand with some Red maple and Aspen within it. Very little understory, red maple mostly. Park-like understory. Military (Hanson refuge). Snowmobile trail traverses through stand. Two to three new military compass course markers within stand or near edge of stand.																																											
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37	4130 - Aspen	Poletimber Well	39.7	37	111-140	N/A	Some mixed deciduous species around the perimeter. National Guard overland navigation marker in the North Central part of the stand. Aspen stand mixed with Red maple. Stand has just reached pole size.																																											
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38	320 - Upland Shrub	Nonstocked	43.3	0		No	Stand was harvested in winter of 2016/17 under contract 72640-13-01, White Owl Oak. Tried to protect advance regen as best as possible.  Oak stand with Aspen pockets and scattered Red maple. Some dense pockets of Oak throughout the stand along with single trees and clumps of 2 or three. Heavy mixed understory of Red maple and Oak pockets. Heavy cherry brush throughout stand and in pockets. Lots of dead Oak within the stand.																																											
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39	4123 - Red Oak	Sawtimber Medium	12.5	98	51-80	N/A	Moderate amount of maple and aspen regen in patches.  Stand was harvested in 2005 under contract 72-004-03-01 Small 4 Mile Blocks. Stand was previously part of stand to the south. Everything cut but the Oak.																																											
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40	4124 - Red with White Oak	Sawtimber Poor	57.1	93	51-80	N/A	Regeneration is more evenly distributed throughout the stand. Primarily red maple with some assorted oak spp.  Stand was thinned to 60BA. Cut in 2007 under contract 720250301 Orientation Point Oak. Some of the Oak has died. Patchy Red maple/Aspen regen pockets. Red maple regen from stump sprouts. Some individual Oak regen of various sizes (seedlings to saplings).																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
41	4139 - Aspen, Mixed Deciduous	Sapling Well	19.7	16	1-50	N/A	Some pole sized Aspen present around the perimeter. Overall still sapling size. Stand harvested in 2005 under contract 720040301 Small 4Mile Blocks. Thick Aspen regen mixed with Red maple. Approximately 10 BA of OAK LEFT FOR MAST scattered throughout stand.																																							
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42	3303 - Mixed Low Density Trees	Nonstocked	3.2			No	Stand contains forest road intersection which is barren ground.  Clumps of Jack pine, Red maple and Oak. Scattered Aspen. Treat with Aspen stand next to stand. Use this as a landing for Aspen stand next to it. Stand swapped from Forested to Non-Forested.																																							
43	4125 - Black, N. Pin Oak	Sawtimber Poor	16.2	92	1-50	N/A	The overstory in in decline. Patches of white oak regeneration.																																							
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44	4199 - Other Mixed Upland Deciduous	Sapling Medium	9.7	25	Immature	N/A	Split from stands to the south east. heavier to maple and oak than stand 85.  Last harvested in 1996. Immature Aspen, Red maple and Oak stand. Aspen dense in south part of stand and around the edges. Oak and Red maple throughout stand.																																							
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45	4126 - White, Black, N. Pin Oak	Sawtimber Poor	24.7	92	1-50	N/A	Wide spread regeneration. Red maple and assorted Oak spp.  Stand shelterwood seed cut in 2007 under contract 720140301 Military & King Rd Oak. Heavy pockets of Apen and Red maple regen in understory as well as cherry brush.																																							
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46	3303 - Mixed Low Density Trees	Nonstocked	3.3		Immature	No	Stand swapped from Forested to Non-Forested.																																							
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<b>47</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	27.4	6	Immature	N/A	stand is primarily composed of aspen and red maple saplings.																															
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<b>48</b>	4123 - Red Oak	Sawtimber Well	2.7	93	51-80	N/A	Small stand of mixed Oak with some Red maple mixed within it. Red maple understory. Military (Hanson Refuge).																															
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<b>49</b>	3204 - Mast Producing Shrub	Nonstocked	5.7	0		No	Split out non-forested pocket from surrounding aspen and mixed deciduous stands.																															
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<b>50</b>	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	4.1	14	Immature	N/A	Red pine has overtopped deciduous recruits. Some scotch pine has seeded in. Trenched and planted in 2007 after harvested to Red pine. Aspen, Red maple, some Oak and cherry shrub is overtopping most of the planted seedlings																															
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<b>51</b>	3204 - Mast Producing Shrub	Nonstocked	11.8			No	Opening of sedge/grass with patches of cherry brush. Stand swapped from Forested to Non-Forested.																															
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<b>52</b>	4130 - Aspen	Poletimber Well	11.9	45	81-110	N/A	New stand added. Quaking Aspen pole stand with cherry and red maple in understory. Some mixed pine in understory.																															
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<b>53</b>	4126 - White, Black, N. Pin Oak	Sawtimber Medium	36.0	92	1-50	N/A	Continued decline of oak overstory. Good oak regen throughout.																																														
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<b>54</b>	4125 - Black, N. Pin Oak	Sapling Poor	7.0	6	Immature	N/A	Moderately stocked oak with maple.																																														
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<b>55</b>	310 - Herbaceous Openland	Nonstocked	6.8			No	Open herbaceous stand. A few scattered cherry and some encroachment of tree species.																																														
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<b>56</b>	4130 - Aspen	Poletimber Well	24.8	36	1-50	N/A	Aspen stand just reaching pole size. Mixed with other deciduous species.																																														
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<b>57</b>	4130 - Aspen	Poletimber Well	5.8	45	51-80	N/A	More dense to the north with some brushy openings in the south. New stand added.																																														
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<b>58</b>	4130 - Aspen	Sapling Poor	3.1	6	Immature	N/A	Well stocked aspen.																																														
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<b>59</b>	4130 - Aspen	Sapling Well	8.9	25	Immature	N/A	Stand was harvested in 2007 under contract 720040301 Small 4 Mile Blocks. Aspen regen.																																																						
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<b>60</b>	3301 - Low Density Deciduous Trees	Nonstocked	33.2	0	Unspecified	No	Stand is primarily cherry with patches of oak and aspen.  Moderately stocked oak stand with some maple and patches of aspen.  Cut in 2015, stand just starting to regenerate. Pocket of white and red pine was left. Check regeneration next inventory cycle.  Old comment: Mixed Oak stand mixed with mixed pine. Some Red maple also. Lots of dead Oak and some blow down. Firewood cutter have been going at it.																																																						
<b>61</b>	3303 - Mixed Low Density Trees	Nonstocked	14.8		Immature	No	Stand swapped from Forested to Non-Forested.																																																						
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<b>62</b>	3205 - Mixed Upland Shrub	Nonstocked	5.5			No	Grassy opening with pin oak and cherry brush. Stand swapped from Forested to Non-Forested.																																																						
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<b>63</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	5.2	14	Immature	N/A	Western 1/4 of planting was not successful. Good mix of deciduous saplings which meet stocking.																																																						
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<b>64</b>	42110 - Planted Red Pine	Poletimber Well	5.8	52	1-50	N/A	Planted Red pine with Scotch and Jack pine mixed. Strip of Jack pine and Scotch pine removed south of stand. Stand is visible from 4 Mile rd.																																																									
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<b>65</b>	4130 - Aspen	Sapling Poor	4.4	6	Immature	N/A	Well stocked aspen.  Cut in 2015, starting to regenerate to aspen. Check regeneration next inventory cycle.																																																									
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<b>66</b>	3303 - Mixed Low Density Trees	Nonstocked	39.3			No	Non-forested trail corridor that extends into an opening on the north end. Primarily sedge/grass with scattered trees.																																																									
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<b>67</b>	4124 - Red with White Oak	Sawtimber Well	26.2	97	81-110	N/A	Mixed log sized oak stand. Some pine starting to encroach from the south.																																																									
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<b>68</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	36.8	15	1-50	N/A	The sapling component of this stand has begun to reach canopy status at 20+ feet. There is still approximately 15 BA of older age class oak and white pine in the stand.  Stand was harvested by Prison crew in 2004-2006 under contract 720380301 Oakley Doakley Oak 10BA of Red Oak was left and 10BA of White Oak was left. Some of the Oak that was left died. A few scattered conifer were also left. A fair amount of Oak, Red maple and Aspen regen exists in the understory.																																																									
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<b>69</b>	4130 - Aspen	Sapling Poor	37.0	6	Immature	N/A	Stand harvested in 2015, aspen starting to regenerate. A few scattered oak marked to leave.  Old comment: Stand of Aspen mixed with Red maple. Some Oak and Paper birch. Paper birch dying out. Stand borders 4 Mile rd. Military.																																												
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<b>70</b>	4199 - Other Mixed Upland Deciduous	Sapling Poor	32.8	25	Immature	N/A	Harvested in 1998 under contract 720429301 Fevered Forester block. Oak and Red maple mix. Aspen pockets on the edges.																																												
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<b>71</b>	4126 - White, Black, N. Pin Oak	Sapling Well	35.5	24	Immature	N/A	Moderately stocked pin oak stand mixed with red maple and Aspen. Some pine seeding in but only a trace. Cut in 1997 under contract 720429301 Fevered Forester block. Mixed Oak regen with some Red maple and Aspen mixed within the stand.																																												
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<b>72</b>	4124 - Red with White Oak	Sapling Poor	97.1	10	Immature	N/A	Oak stump sprouts beginning to reach heights above deer browse. Split out stand 49 (no forested).  Stand just final harvested late winter early spring 2011. Oak salvage cut.																																												
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<b>73</b>	4123 - Red Oak	Sawtimber Well	35.2	101	111-140	N/A	Stand of mixed Oak with other deciduous species. Some mixed pine also. Military (Hanso Refuge). New military compass course marker in south part of stand. Stand was evaluated in 10/4/10 to salvage due to Oak wilt. Stand has not been cut. If not cut, it was recommended to be underplanted with Red and White pine. A vairance was received.																																												
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<b>74</b>	4130 - Aspen	Sapling Poor	20.7	6	Immature	N/A	Good aspen regen.  Cut in 2015, starting to regenerate. Oak, red mape and pine were left for visual. Check regeneration next inventory cycle.																																												
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<b>75</b>	4125 - Black, N. Pin Oak	Sapling Poor	4.8	6	Immature	N/A	Oak, maple and aspen regen.																																															
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<b>76</b>	4199 - Other Mixed Upland Deciduous	Poletimber Well	63.7	37	81-110	N/A	Stan of mixed Oak, red maple, and Aspen with other deciduous species and some conifer mixed within stand. Just reaching pole size.																																															
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<b>77</b>	4125 - Black, N. Pin Oak	Sawtimber Medium	4.1	93	81-110	N/A	Large overstory oak has significant decline.																																															
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<b>78</b>	4199 - Other Mixed Upland Deciduous	Sapling Poor	15.3	6	Immature	N/A	About equal parts oak and red maple with a couple patches of aspen and cherry.																																															
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<b>79</b>	4130 - Aspen	Sapling Medium	8.7	15	Immature	N/A	Stand was harvested in 2005 under 72-004-03-01 Small 4 Mile Blocks. Immature Aspen stand mixed with other deciduous species.																																															
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<b>80</b>	310 - Herbaceous Openland	Nonstocked	10.2			No	Power line and cleared right-of-way. Two track trail runs up and down it.																																															



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<b>81</b>	4124 - Red with White Oak	Sawtimber Well	7.7	92	111-140	N/A	Long term retention from harvest in spring/summer 2015.																																															
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<b>82</b>	4124 - Red with White Oak	Sawtimber Well	0.0	92	111-140	N/A	Steep slopes (>40%) show evidence of no harvesting during the last entry. Remaining portions of the stand have regeneration approaching pole size. BA is highly variable. The cutting record from 1995 states 42 BA average for the stand which actually consists of small clearcut areas with pockets of 60-100 BA of oak. Stand thinned via removal in 1995, 42 BA residual. Heavy Red maple and Aspen regen. Lots of Witch hazel too.																																															
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<b>83</b>	4131 - Aspen, Oak	Poletimber Well	1.9	43	81-110	N/A	Merch hardwood stems were cut by 1978 (#033-76) for Military facility expansion. Stand 5 was part of the same harvest but was split off by later facility clearing (stand 6). 2011 YOIE field inventory by Farrer; original comments: Aspen/Oak stand with Red maple and some pine. JC updates limited to stand age and harvest comments, based on timbersale records.																																															
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<b>84</b>	42200 - Natural White Pine	Sawtimber Poor	9.3	75	1-50	N/A	Split from stand 60 post harvest.																																															
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<b>85</b>	4131 - Aspen, Oak	Sapling Medium	7.6	25	Immature	N/A	Last harvested in 1996. Immature Aspen, Red maple and Oak stand. Aspen dense in south part of stand and around the edges. Oak and Red maple throughout stand.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>86</b>	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	4.5	80	51-80	N/A	<p>This stand was split from stand 47 to the north. Designated long term retention.</p> <p>Stand was harvested under contract 72-640-13-01, white owl oak. Retention left on southern tip of stand and hemlock was cut.</p> <p>Over mature Aspen stand mixed with maple.</p>
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		35	Log	12	80		
Red Maple		25	Log/Pole	10	6		
Sugar Maple		15	Log	12	80		
Beech		20	Log/Pole	10			
Red Pine		5	Log	14			