



# Compartment Review Presentation

## Grayling Forest Management Unit

Compartment 72250

Entry Year 2024

Acreage: 1,411

County Crawford

Management Area: Camp Grayling

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**Stand Examiner:** Scott McClarren

### Legal Description:

T28N, R2W, Sections 28, 29 and 30. Lovells Township

### Identified Planning Goals:

To manage stands within the compartment for forest health, productivity, sustainability, species and structural diversity while managing and maintain those stands needed by the National Guard for training and encampment needs. Another goal is to manage lands within the compartment for multiple use and visual management.

### Soil and topography:

Soils within the compartment consist of Grayling, Graycalm-Grayling sands, Rubicon, Klacking loam and Croswell-AuGres complexes on the upland sites. The lowland sites consist of Tawas, Lupton, Dawson, Loxley and Tawas-Leafriver muck. The topography of the compartment is level to rolling hills. The East Branch of the Au Sable River cuts through the landscape in the west half of the compartment.

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

The compartment is mostly state ownership with a few private 40-acre parcels along the south boundary of the compartment. The SE 1/4 of section 28 is military board land. The remainder of the compartment is leased to the Michigan National Guard under L-1479, which allows for usage by the military during their encampment with no permanent buildings or improvements to be erected. KP Lake is on the east side of the compartment and is mostly surrounded by private ownership that is well developed with full time residences and a few seasonal residences. Most of this compartment is used heavily by the National Guard, especially along County Road 612, Briggs Road and Kinney Road.

### Unique Natural Features:

The East Branch of the Au Sable River.

### Archeological, Historical, and Cultural Features:

Compartment contains two recorded historic sites.

### Special Management Designations or Considerations:

Besides the East Branch of the Au Sable River, this compartment is heavily used by the military for firing points and encampments. Management within the compartment needs to fit the needs of the military. Another special management consideration within the compartment is the visual management along County Road 612.

### Watershed and Fisheries Considerations:

This compartment contains River Lake, a portion of the East Branch Au Sable River and Jones Lake, and is adjacent to KP Lake. East Branch Au Sable is a designated Natural River and a designated trout stream. Jones Lake has quality fishing regulations including catch-and-release only and a restricted season open to fishing. The proposed treatments are protective of these waterbodies. Northern Lake Huron Management Unit is planning a Status and Trends survey of KP Lake for 2022.

### Wildlife Habitat Considerations:

To manage and maintain the habitat suitable for the White-tailed Deer, Ruffed Grouse, Wild Turkey and Black Bear.

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

No known potential exists for commercial metallic mineral production in this part of the state. The nearest known active sand/gravel pit is the State-owned Bud Hill Sand Pit, which is one mile south and was last leased to the DMVA in 2019. There appears to be some good potential for sand & gravel within the compartment, but I believe sand & gravel rights could only be leased to the DMVA. The compartment is south of the Antrim Shale and northern Silurian reef hydrocarbon plays, and there is no known significant potential for hydrocarbons from known producing formations beneath the compartment. There has been no recent well permitting activity in the area. However, State-owned mineral rights two miles west were leased this year for oil & gas exploration and development. The lessees interest in this area is unknown.

A deep gas well was drilled in the area in the early 1990s but was a dry hole. State-owned mineral rights in the compartment are currently classified as Non-Leasable. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

**Vehicle Access:**

Most of the compartment can be accessed easily from County Road 612, Briggs Road and Kinney Road. Several two tracks branch off these major county roads further into the compartment. Any new roads created from timber sales will be closed upon completion of the sale. It appears all other open trail roads are currently heavily used by the military and should remain open.

**Survey Needs:**

1/16 corner (11) of section 28 needs to be surveyed.

**Recreational Facilities and Opportunities:**

There are no recreational facilities within the compartment. However, the compartment to the south contains Jones Lake State Forest Campground and a Public Access sites on KP Lake and Jones Lake. Recreational opportunities within the compartment include fishing, hunting and boating.

**Fire Protection:**

The compartment consists of mostly of Oak and Aspen cover types with the exception of those lowland stands along the East Branch of the Au Sable River and a few small stands of Jack Pine, that don't pose a major fire problem. Fire equipment can easily access most all of the compartment and compartment contains many water sources for fire suppression.

**Additional Compartment Information:**

None.

**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**

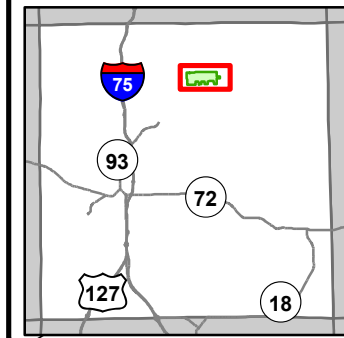
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

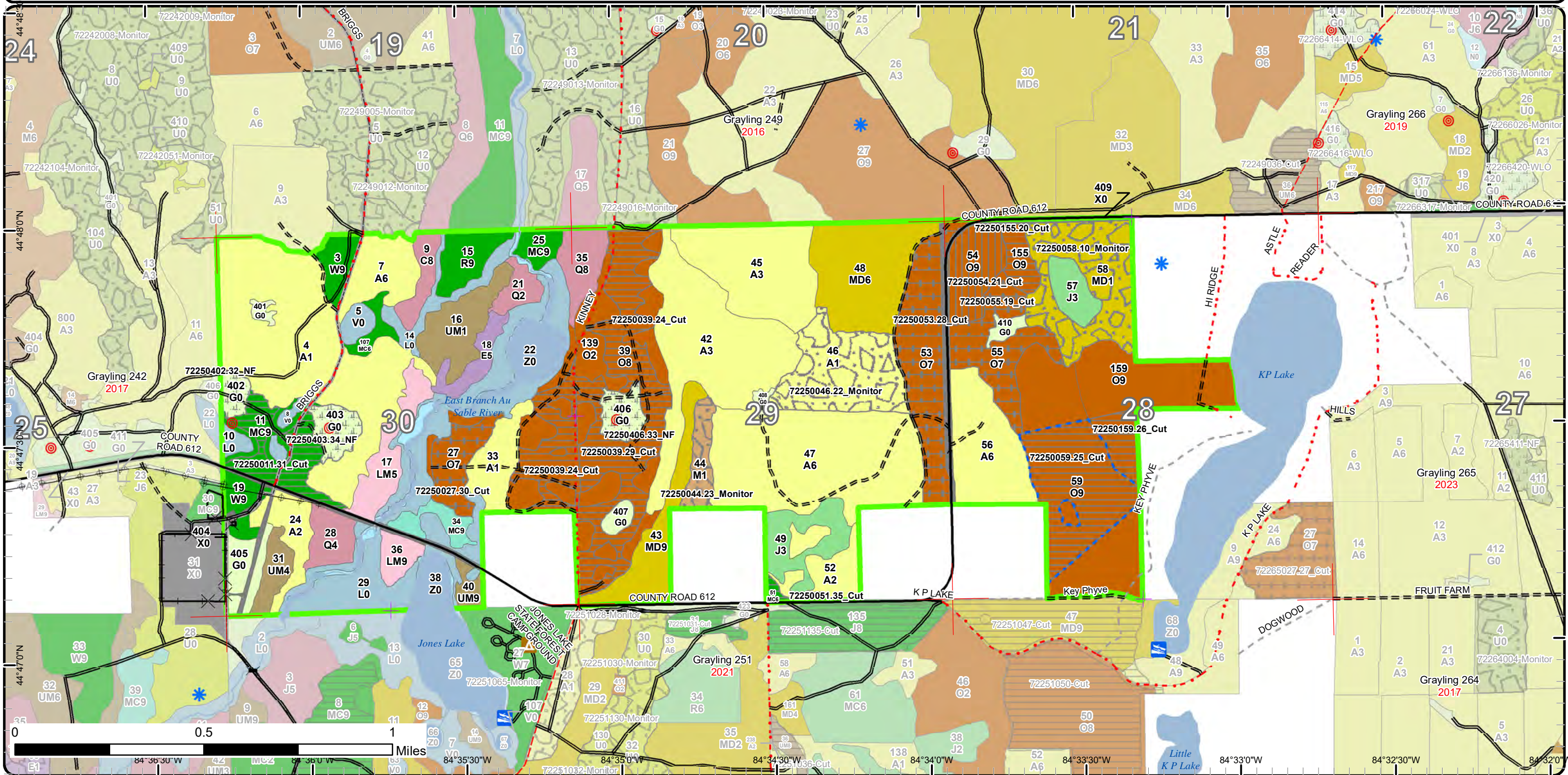


# Cover Type & Treatments Map

Compartment: 250  
 T28N, R02W, Sec. 28-30  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2024  
 Acres: 1411.3 GIS Calculated  
 Examiner: Scott McClarren  
 Map Revised: 12/27/2022  
 Map Phase: Post-Review



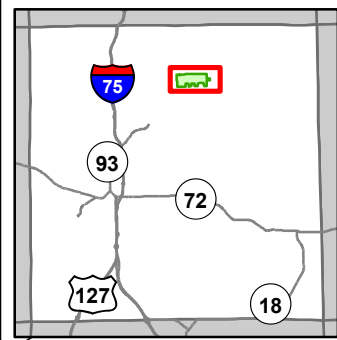
- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Berms
- Boating Access Site
- Bridges
- Campground
- Intermittent Pond
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- Camp Grayling Monitoring Wells
- Camp Grayling Firing Point
- Camp Grayling Gates
- Camp Grayling Fence
- Camp Grayling Tank Trail



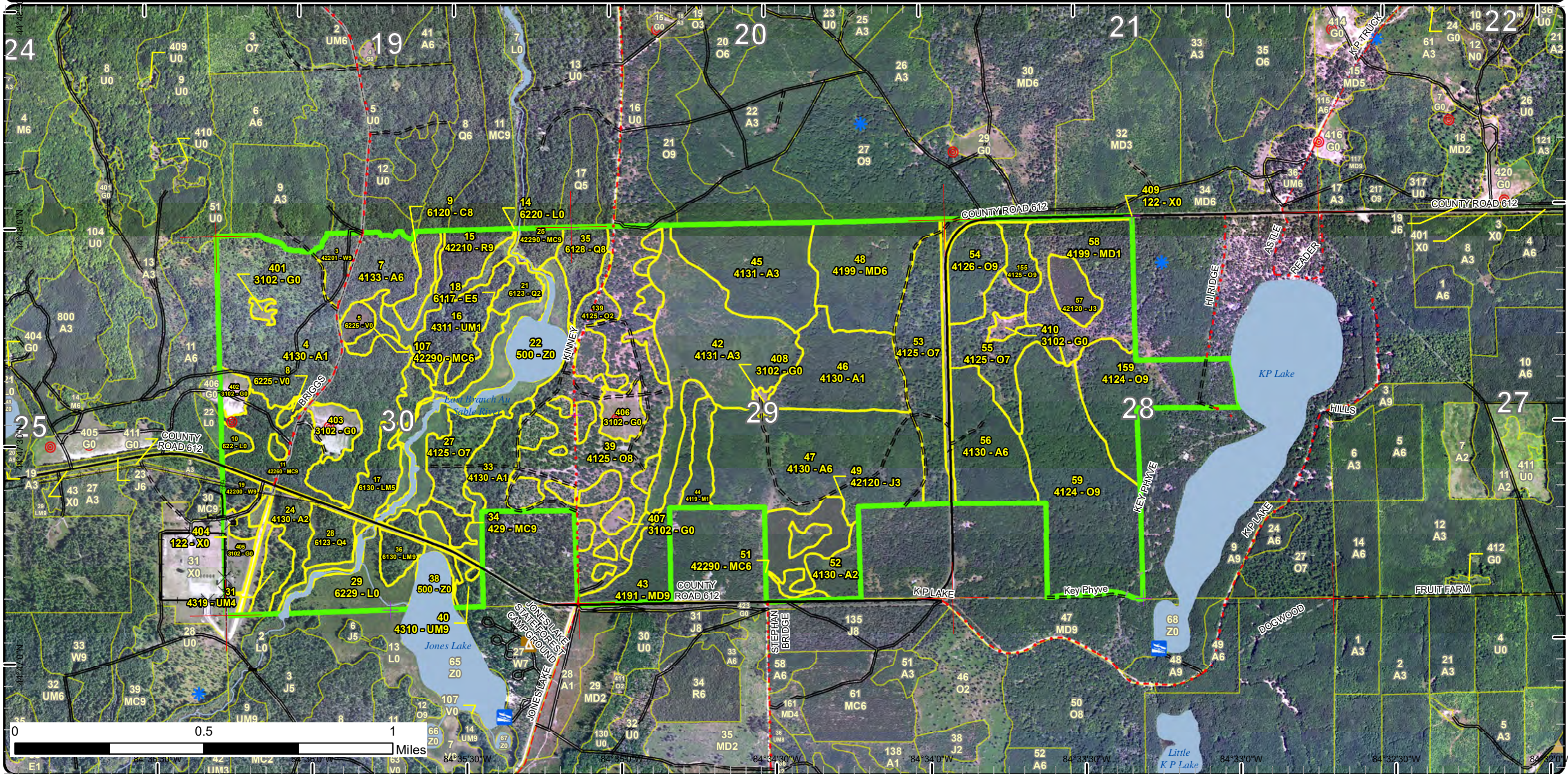


# Stand Boundary Map

Compartment: 250  
 T28N, R02W, Sec. 28-30  
 County: Crawford  
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 Mgmt Area: Camp Grayling  
 YOE: 2024  
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 Examiner: Scott McClarren  
 Map Revised: 12/27/2022  
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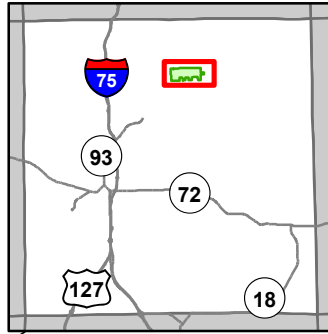
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Berms
- Boating Access Site
- Bridges
- ▲ Campground
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- 430 - Upland Mixed Forest





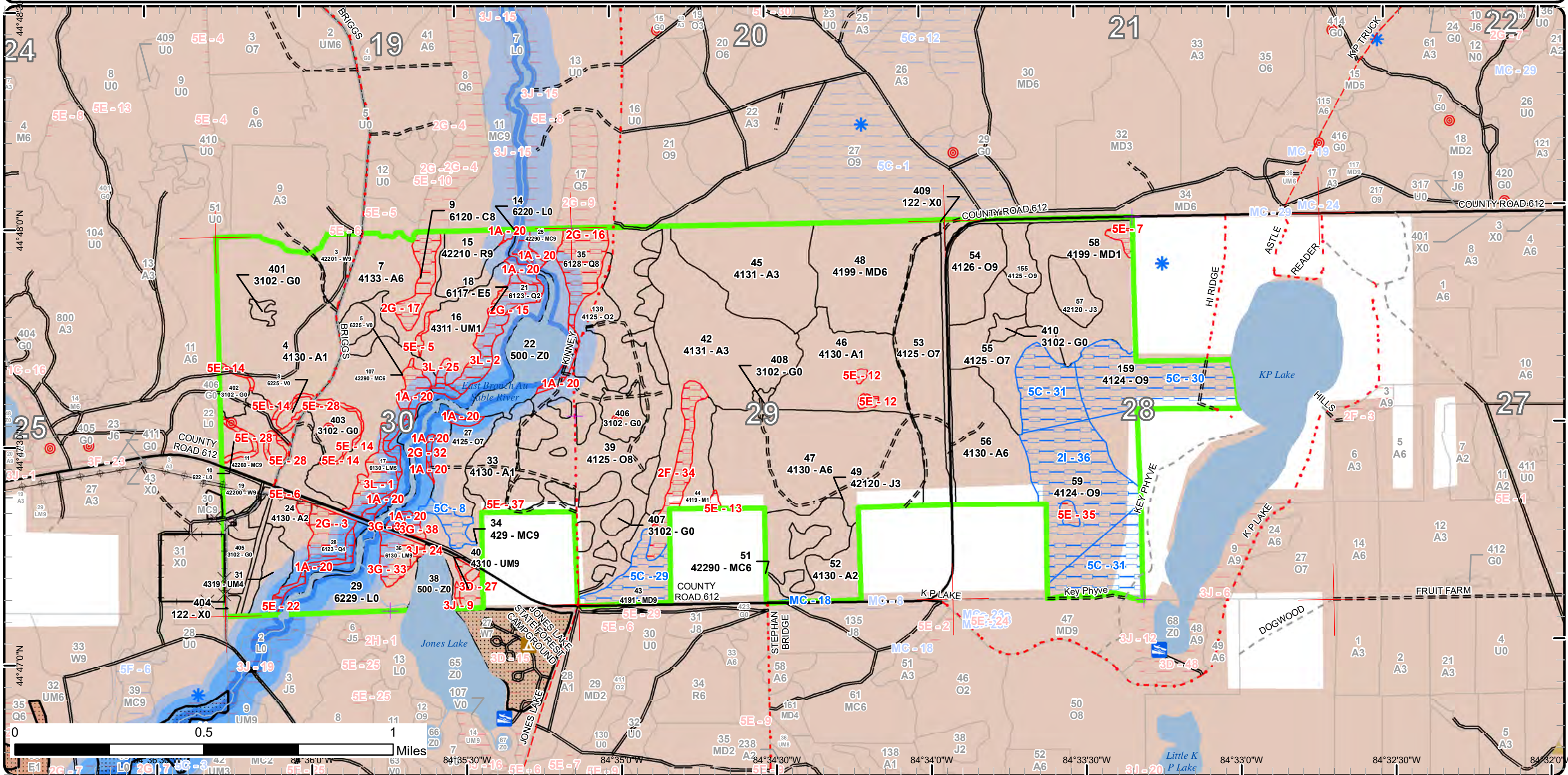
# Special Conservation Areas

Compartment: 250  
 T28N, R02W, Sec. 28-30  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2024  
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 Map Revised: 12/27/2022  
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- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
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- Private - Dirt / Gravel Road
- Berms
- Boating Access Site
- Bridges
- ▲ Campground
- Intermittent Pond
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- + Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1A: Federal/State/Local Law
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)

- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands
- State Forest Campground
- Other Habitat Area
- ★ Camp Grayling Monitoring Wells
- Camp Grayling Firing Point
- ✕ Camp Grayling Gates
- Camp Grayling Fence
- Camp Grayling Tank Trail







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	184	72	66	129	20	0	0	0	0	0	0	0	0	0	0	0	0	470
Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Cedar	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Herbaceous Openland	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Jack Pine	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Lowland Conifers	0	0	0	0	0	0	18	0	0	14	0	0	0	0	0	0	0	0	32
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Lowland Mixed Forest	0	0	0	0	0	7	0	0	0	0	18	0	0	0	0	0	0	0	25
Lowland Shrub	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
Mixed Upland Deciduous	0	46	0	0	47	0	0	27	0	0	0	0	0	0	0	0	0	0	119
Natural Mixed Pines	0	0	0	5	0	0	0	0	36	0	0	0	0	0	0	0	0	0	41
Northern Hardwood	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Oak	0	0	52	0	0	0	0	0	0	305	43	0	0	0	0	0	0	0	399
Red Pine	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	13
Upland Conifers	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	22	0	9	0	0	0	0	4	0	0	0	0	0	0	0	0	0	35
Urban	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Water	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
White Pine	0	0	0	0	0	0	0	8	9	0	0	0	0	0	0	0	0	0	17
<b>Total</b>	<b>196</b>	<b>263</b>	<b>124</b>	<b>109</b>	<b>176</b>	<b>27</b>	<b>18</b>	<b>27</b>	<b>29</b>	<b>368</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1412</b>



## Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 250  
Total Compartment Acres: 1,411

Commercial Harvest - 236  
Harvests with Site Condition - 46  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Natural Mixed Pines	24	0	0	0	0	0	0	0	0	24
Oak	152	0	0	0	20	0	87	0	0	259
<b>Total</b>	<b>176</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>87</b>	<b>0</b>	<b>0</b>	<b>283</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	283	0	0	0	0	99	0	23		405
Next Step	0	112	56	0	0	56	380	56	0	661
<b>Total</b>	<b>283</b>	<b>112</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>479</b>	<b>56</b>	<b>23</b>	<b>1066</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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**Approved Treatments:**

<b>11</b>	<b>72250011.31_</b> <b>Cut</b>	21.7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	87	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Harvest all stems greater than 2" DBH. Tree length buffers around lowland bogs (stands 8 and 10) have been drawn in using aerial imagery.  
Specs: These buffers will also reduce the visual impact from County Rd 612. Do not allow operations in maintained openings. Include grouse drumming log spec. Add shrub protection spec. Include standard military specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to well stocked aspen objective but, will also accept any combination of maple, oak, pine, or fir.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

<b>27</b>	<b>72250027.30_</b> <b>Cut</b>	15.6	4125 - Black, N. Pin Oak	Sawtimber Poor	87	1-50	Harvest	Overstory Removal	4131 - Aspen, Oak	Even-Aged	No
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Prescription Harvest all merchantable stems. Implement 150' no harvest buffer for Ausable River. Timber mats will likely be needed for crossing lowland in stand 33. Use standard military specs. Protect advanced regeneration.

Next Step

Treatments:

Acceptable Aspen and oak sub-canopy was established from previous shelterwood harvest. Maple, fir, and pine are all acceptable species as well.

Regen:

Other

Comment: River buffer and lowland tamarack were excluded from treatment area using aerial imagery.

Site Condition:

Proposed Start Date: 10/1 /2023

<b>39</b>	<b>72250039.24_</b> <b>Cut</b>	51.6	4125 - Black, N. Pin Oak	Sawtimber Medium	87	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Harvest all stems 2" and greater. Protect advanced regeneration. 150' buffer on Ausable River has been drawn in using aerial imagery.  
Specs: Additional retention may be implemented in the north adjacent to stand 16 to help alleviate green-up concerns. Include standard military specs. Do not allow operations in maintained wildlife opening (stand 406).

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Accept overall moderate stocking of mixed upland deciduous with 25-35% oak. Aspen, maple, cherry, and pine are also acceptable species.

Regen:

Other

Comment: SE half of treatment delayed 5 years for military.

Site Condition:

Proposed Start Date: 10/1 /2023





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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>39 72250039.29_</b> <b>Cut</b>	35.9	4125 - Black, N. Pin Oak	Sawtimber Medium	87	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all stems 2" and greater. Protect advanced regeneration. 150' buffer on Ausable River has been drawn in using aerial imagery.  <u>Specs:</u> Additional retention may be implemented in the north adjacent to stand 16 to help alleviate green-up concerns. Include standard military specs. Do not allow operations in maintained wildlife opening (stand 406).  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Accept overall moderate stocking of mixed upland deciduous with 25-35% oak. Aspen, maple, cherry, and pine are also acceptable species.  <u>Regen:</u> Expect some poor stocking areas where oak is few and far between.  <u>Other</u> SE half of treatment delayed 5 years for military.  <u>Comment:</u>  <u>Site Condition:</u>                      Proposed Start Date: 10/1 /2028</p>										
<b>44 72250044.23_</b> <b>Monitor</b>	10.5	4119 - Mixed Northern Hardwoods	Sapling Poor	2	1-50	Monitoring	Natural Regen (Re-Inventory)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Check regen  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u> Moderately stocked mixed deciduous 25-35% oak is goal. Maple, aspen, and pine are acceptable spp as well.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition:</u>                      Proposed Start Date: 10/1 /2023</p>										
<b>46 72250046.22_</b> <b>Monitor</b>	42.3	4130 - Aspen	Sapling Poor	2	Immature	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Check regen  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u> Fully stocked aspen objective. Oak and maple are acceptable species  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition:</u>                      Proposed Start Date: 10/1 /2023</p>										





Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>51</b>	<b>72250051.35_</b> <b>Cut</b>	2.2	42290 - Natural Mixed Pine	Poletimber Well	86	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut without retention due to size and to maximize aspen growth. Add military specs. Harvest out of year of entry with stand 135 of  
Specs: compartment 251.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen is the desired species, but any combination of aspen (25-35%), maple, oak, or pine is acceptable. Expect minimum stocking in this stand.  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/1 /2020

<b>53</b>	<b>72250053.28_</b> <b>Cut</b>	42.2	4125 - Black, N. Pin Oak	Sawtimber Poor	99	1-50	Harvest	Overstory Removal	4121 - Oak, Aspen	Even-Aged	No
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Prescription Harvest all merchantable stems, no retention. Protect advanced regen. Include standard military specs.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak and aspen have already been established through previous harvest.  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

<b>54</b>	<b>72250054.21_</b> <b>Cut</b>	19.8	4126 - White, Black, N. Pin Oak	Sawtimber Well	85	111- 140	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Two-Aged	No
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Prescription Harvest all trees 2" and greater except, leave all white oak. Include standard military specs.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed upland deciduous with minimum 25-35% oak. Accept maple and aspen as well.  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

<b>55</b>	<b>72250055.19_</b> <b>Cut</b>	29.4	4125 - Black, N. Pin Oak	Sawtimber Poor	83	1-50	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Harvest all merchantable stems, no retention. Protect advanced regen. Include standard military specs.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed upland deciduous: maple, aspen, and oak have already been established through previous harvest.  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023





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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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<b>58</b> 72250058.10_ Monitor	46.0	4199 - Other Mixed Upland Deciduous	Sapling Poor	2	Immature	Monitoring	Natural Regen (Re-Inventory)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Check regen.

Specs:

Next Step

Treatments:

Acceptable Moderate to fully stocked Mixed Upland Deciduous with 25-35% oak. Aspen, maple, cherry, and pine are acceptable as well.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

<b>59</b> 72250059.25_ Cut	46.4	4124 - Red with White Oak	Sawtimber Well	88	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clearcut with retention. Retention should be placed around white pine advanced regeneration. North and south portions of stand are being delayed for green up purposes. Include military specs. Include oak wilt restrictions.

Specs:

Next Step

Treatments: Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Th

Acceptable Mixed upland deciduous with 25-35% oak. Aspen, maple, and pine will all be accepted as well. If stand fails monitoring, site prep and plant red pine.

Regen:

Other

Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2023

<b>155</b> 72250155.20_ Cut	8.3	4125 - Black, N. Pin Oak	Sawtimber Well	83	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Harvest all stems >2" dbh except, leave all white oak. Include standard military specs.

Specs:

Next Step

Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Mixed upland deciduous with minimum 25-35% oak. Accept maple and aspen as well.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023





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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
159 72250159.26_ Cut	9.8	4124 - Red with White Oak	Sawtimber Well	88	111- 140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clearcut without retention. Northern portion of stand is being delayed for green up purposes. Include military specs. Include oak wilt restrictions. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Planting, Initial <u>Treatments:</u> Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Th</p> <p><u>Acceptable</u> Mixed upland deciduous with 25-35% oak. Aspen, maple, and pine will all be accepted as well. If stand fails monitoring, site prep and plant red <u>Regen:</u> pine.</p> <p><u>Other</u> Harvest with adjacent stand 59. <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
402 72250402.32_ NF	5.2	3102 - Grass	Nonstocked		Immatur re	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Periodic opening maintenance, as needed, that may include disking, fertilizing, liming, food plot seeding, mowing, brushing, tree and shrub <u>Specs:</u> planting, herbicide application, and removal of invasive species.</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> This opening is FP 307, the maintenance will be carried out through a partnership between the Military, DNR-WLD and the National Wild Turkey <u>Comment:</u> Federation.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
403 72250403.34_ NF	9.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Periodic opening maintenance, as needed, that may include disking, fertilizing, liming, food plot seeding, mowing, brushing, tree and shrub <u>Specs:</u> planting, herbicide application, and removal of invasive species.</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> This opening is FP 308, the maintenance will be carried out through a partnership between the Military, DNR-WLD and the National Wild Turkey <u>Comment:</u> Federation.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
406 72250406.33_ NF	8.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Periodic opening maintenance, as needed, that may include disking, fertilizing, liming, food plot seeding, mowing, brushing, tree and shrub planting, herbicide application, and removal of invasive species.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> This opening is FP 202, the maintenance will be carried out through a partnership between the Military, DNR-WLD and the National Wild Turkey Federation.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment Acreage Proposed: 405



## Report 4 – Site Conditions

Grayling Mgt. Unit  
Scott McClarren : Examiner

Compartment: 250  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions											
		With Condition	Without Condition			2I	5C	MC	1A	2F	2G	3D	3G	3J	3L	5E	ed
470	459	0	9	Aspen				1								8	2
8	8	0	0	Bog													
9	0	0	9	Cedar						9							
44	44	0	0	Herbaceous Openland													
29	29	0	0	Jack Pine													
31	0	0	31	Lowland Conifers				4		27						0	
9	0	0	9	Lowland Deciduous				1							8		
25	0	0	25	Lowland Mixed Forest				5				7	1	13			
86	86	0	0	Lowland Shrub				0								0	
119	91	14	14	Mixed Upland Deciduous		14			12							2	
41	33	0	8	Natural Mixed Pines			0	3								5	
10	10	0	0	Northern Hardwood												0	
400	265	128	7	Oak	46	82		5		1						2	
13	13	0	0	Red Pine				0									
8	0	5	3	Upland Conifers		5		1				2					
35	30	0	5	Upland Mixed Forest							4		0			1	
23	23	0	0	Urban												0	
35	35	0	0	Water													
17	17	0	0	White Pine													
1,411	1,141	148	121	Total Forested Acres	46	101	0	20	12	36	4	8	1	21	18	2	
	81%	10%	9%	Relative Percent													

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3L: Other wildlife concerns	13	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Stand is close is in close proximity to the East Branch of the AuSable River. This stand does have accessibility issues. This stand provides for a good wildlife corridor along the river, regenerating would also increase the amount of preferred food for beavers.</p>							

## Report 4 – Site Conditions

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2	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand is close is in close proximity to the East Branch of the AuSable River. This stand does have accessibility issues. This stand provides for a good wildlife corridor along the river, regenerating would also increase the amount of preferred food for beavers.							
3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand treatment was removed during compartment review. Stand didn't have any immediate health concerns. Aesthetics near Jones Lake/campground, as well as surrounding lowlands and small size of stand were all contributing factors for delaying treatment.							



Report 4 – Site Conditions

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9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unspecified	Unspecified	0				
Comments:							
11	Unspecified	Unspecified	2				
Comments:							
12	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention associated with stand 4 harvest.							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

**Report 4 – Site Conditions**

Grayling Mgt. Unit  
 Scott McClarren : Examiner

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 Year of Entry: 2024

16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Available	Minor Change in Acreage	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Unspecified	Unspecified	0				
<b>Comments:</b>							
20	Unavailable	1A: Federal/State/Local Law	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Natural River Tributary 150' buffer.							
21	Unspecified	Unspecified	0				
<b>Comments:</b>							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Report 4 – Site Conditions

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24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	3L: Other wildlife concerns	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand is close is in close proximity to the East Branch of the AuSable River. This stand does have accessibility issues. This stand provides for a good wildlife corridor along the river, regenerating would also increase the amount of preferred food for beavers.							
27	Unavailable	3D: Recreational / Scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-term retention associated with stand 11.							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Delay for green-up concerns. Stand is healthy and will hold another 10 years.							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Delay for green up concerns.							

## Report 4 – Site Conditions

Grayling Mgt. Unit  
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Compartment: 250  
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31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Delay for green up concerns.							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	3G: Other Influence zones - See comments	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	Unavailable	2F: Too steep	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	Available	2I: Survey needed	46	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-term retention for stand 33.							

**Report 4 – Site Conditions**

**Grayling Mgt. Unit**

**Compartment: 250**

**Scott McClarren : Examiner**

**Year of Entry: 2024**

38	Unavailable	3G: Other Influence zones - See comments	2	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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
3	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	8.8	82	141-170	N/A	Changed stand to 2 aged. Aspen age was estimated due to heart rot but, looks to be similar age as adjacent aspen stand 7. Lots of aspen mortality occurring. A few legacy pines seen.																																																															
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4	4130 - Aspen	Sapling Poor	111.2	5	1-50	N/A	Stand came back fully stocked with aspen. About 5-10 ba of residual white pine throughout. Regen is lacking in areas where more pine residuals were left. Stand was harvested in the 2016/17 winter under contract 72-622-14-01 Last Minute Aspen. Stand 63 (small lowland strip along west boundary) merged following harvest and successful regeneration monitoring. Poor quality aspen stand with a mixture of oak, maple and red & white pine. Pine most dense in the southern portion and along the NE side of the stand. Aspen is starting to develop conks. Overall density of aspen is not that heavy and it was a toss up whether the canopy closure is 25-50 or 50-75. Ground cover is fern/grass.																																																															
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5	6225 - Bog	Nonstocked	4.6			No	old comment-Leather leaf lowland opening with mixed conifer scattered throughout opening. Majority seedling/sapling stage, shrubs along perimeter.																																																															
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7	4133 - Aspen, Mixed Pine	Poletimber Well	20.1	46	51-80	N/A	Dropped age 5 years from previous inventory. Aspen cores show some heart rot starting. Called it overall pole size but, contains pockets of log size aspen. Stand transitions from upland to lowland on the east side and has about a 100 foot wide strip dominated by fir/aspen/spruce.																																																															
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8	6225 - Bog	Nonstocked	3.3		Immature	No	Another leather leaf dominated opening with scattered white and jack pine as well as black spruce. The perimeter is lined with tag alder.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
9	6120 - Lowland Cedar	Sawtimber Medium	8.6	95	81-110	N/A	Fair amount of cedar dead or declining in southern portion of stand. Heavier alder and more open in south. Denser deer yard area with thicker cedar cover in north half. Old comments- Nice cedar stand with a good mixture of balsam fir and black spruce, with red maple along the perimeter. Understory is heavy to balsam fir, outer edges of the stand were wet and populated with tag alder. This is a good wildlife stand and deer yard. 4 BA swings were taken recording cedar, balsam fir and black spruce and their respective average BA were 90, 10 and 7.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black Spruce		15	Pole	8		Tag Alder		High	5 - 10 feet	Tall Shrub	
Red Maple		5	Pole	6		Red Maple		Medium	Variable	Sapling	
Balsam Fir		15	Pole	6		Balsam Fir		High	Variable	Sapling	
Northern White Cedar		65	Log/Pole	10	95						
10	622 - Lowland Shrub	Nonstocked	3.1			No	Edge call, shrubby lowland.				
Sub-Canopy Species		Density	Avg. Height	Size							
Tag Alder		Full		Tall Shrub							
11	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	26.9	87	111-140	N/A	Natural red pine with white pine/oak/aspens in sub-canopy on north side of stand and fir/maple in south side. Aspen is declining but has around 20 ba consistently throughout. Red pine is healthy but growth has slowed down quite a bit in the denser areas. East of Briggs is more open than west side. Mixed conifer stand with a good component of aspen. 6 BA swings were taken recorded species were aspen, r pine, r maple, w pine and j pine, their avg BA's were 40, 48, 10, 18, 30. Range of BA was 100 - 160. Stand is bordered by two bogs as well as two firing points. Stand has experienced heavy past and currently military use which has impacted the regeneration. Mixture of subcanopy species that are sparsely populating this stand. Stand also borders County Rd 612 and Briggs road runs thru the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Fir		2	Pole/Log	9		White Pine		Low	Variable	Sapling	
Jack Pine		3	Log/Pole	10		Northern Pin Oak		Low	Variable	Sapling	
Red Maple		5	Pole	8		Bigtooth Aspen		Low	Variable	Sapling	
Bigtooth Aspen		5	Log/Pole	11		Red Maple		Low	5 - 10 feet	Sapling	
White Pine		10	Log/XLog/Pole	14		White Oak		Trace	Variable	Sapling	
Red Pine		50	Log	14	87	Beech		Trace	Variable	Sapling	
Quaking Aspen		25	Log	11		Black Cherry		Medium	5 - 10 feet	Sapling	
						Balsam Fir		Medium	>20 feet	Sapling	
14	6220 - Alder/willow	Nonstocked	10.9			No					
Sub-Canopy Species		Density	Avg. Height	Size							
Tag Alder		Full		Tall Shrub							
15	42210 - Natural Red Pine	Sawtimber Well	13.1	71	111-140	N/A	Changed age from 77 to 71 years old. Healthy red pine with a fir and/or maple sub canopy. Fire scars on older trees indicate likely fire origin red pine. Changed from 141-170 to 111-140 but, stand does have pockets of ba at 170. Some legacy pines scattered through stand as well.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		20	Log/Pole	12		Black Spruce		Trace	Variable	Sapling	
Jack Pine		2	Pole/Log	9		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling	
Balsam Fir		2	Pole	6		Red Maple		Medium	Variable	Sapling	
Red Maple		7	Pole/Log	9		Balsam Fir		Medium	Variable	Sapling	
Quaking Aspen		4	Pole/Log	9							
Red Pine		65	Log/Pole	12	71						
Old comments- Natural red pine stand with some white pine and red maple. Quality is pretty good, however, accessing this site will be difficult if prescribed. Does not appear that this stand has been treated in some time. Treat stand either with the adjacent stand to the North or find access from the SW. Took 5 BA swings recorded species were red pine, white pine and red maple the averages for each species were 130, 12, 8, respectively.											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**16** 4311 - Pine, Aspen Mix Sapling Poor 21.7 5 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	
Balsam Fir	3	Sapling	1	
Jack Pine	30	Sapling	1	
Northern Pin Oak	11	Sapling	1	
Black Spruce	3	Sapling	1	
Quaking Aspen	33	Sapling	1	5
White Pine	15	Log	12	

Really good regen response following harvest. Aspen, jack pine, and oak came back fully stocked, except in pockets where 50-80 ba of white pine residuals were left. Areas where natural jp is lacking are filled in with aspen/oak. Overall, stand met moderate jack pine regeneration objective. 2 acres of adjacent lowland stand 18 was harvested same time as stand 16 and merged with stand 16 during inventory. 2.6 acres of stand 18 that was merged with stand 16 regen as follows: fully stocked 85% Aspen, 10% maple, 2% spruce, 3% NPO. Harvested portion of stand 18 split and merged with stand 16 to meet mapping standards. Sale was harvested in contract 72-622-14-01, Last Minute Aspen. Retention along perimeter.

Old comments- Jack pine stand that is bordered by lowland types on both sides which will make access difficult, best approach will be from the sw across stands 4 and 14. Mature jack, red and white pine with some red maple and aspen mixed in. The southeastern portion of the stand opens up with some grassy openings. 5 BA swings were taken, species recorded were red pine, white pine, jack pine and red maple, BA averages for each species were 16, 12, 66 and 8 respectively. Aspen was present in the overstory but was not recorded in any of the BA swings.

**17** 6130 - Fir, Aspen, Maple Poletimber Medium 18.0 92 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole/Log	8	
Balsam Fir	30	Pole	7	
Northern White Cedar	3	Pole	8	
Paper Birch	7	Pole/Log	8	
Tamarack	10	Log/Pole	12	
Quaking Aspen	5	Pole/Log	8	
Red Maple	35	Pole/Log	9	92

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	Variable	Tall Shrub
Balsam Fir	Medium	Variable	Sapling
Red Maple	Medium	Variable	Sapling

Variable stand that changes from tamarack, spruce, fir and maple depending where you are. Tag alder through whole stand. Old comments- Roughly 11 acres of this stand was harvested under contract 72-622-14-01 in the winter of 2016/17. Harvested portion is now stand 63. Wet area with mixture of conifer and hardwoods. Good wildlife area

**18** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 9.1 94 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	7	Log/Pole	10	
Quaking Aspen	15	Pole/Log	9	
Balsam Fir	35	Pole/Log	9	
Red Maple	38	Log/Pole	10	94
White Pine	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	Sapling
Balsam Fir	High	Variable	Sapling
Red Maple	Medium	Variable	Sapling

About 2 acres of stand was harvested. This portion was split and merged with adjacent stand 16. Aspen response was really good and met harvest objective. Old comments- Western half of stand was treated in contract 72-622-14-01, Last Minute Aspen. Stand characteristics remain the same other then crown closure parentage. Mixed conifer/hardwood stand. Red maple present along the perimeter of the stand. Understory is a mixture of balsam fir and red maple with scattered cherry. Pole size stand of marginal quality. Stand is close is in close proximity to the East Branch of the AuSable River. 3 BA Swings were taken recording aspen, balsam fir, white pine, and paper birch their respective BA's were 46, 23, 13, and 20. This stand does have accessibility issues.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
19	42200 - Natural White Pine	Sawtimber Well	7.9	76	111-140	N/A	Put white pine pole sub canopy from previous inventory into canopy. Cored a white pine that confirmed previous inventory age but jack pine, aspen, and pole size white pine look about 10-20 years younger. Old comments- White pine, large open grown trees with large diameters. In areas with higher tree density dbh drops. Stand is a good visual barrier hiding the military establishment behind it, recommend not treating this stand. Three BA swings were made, recorded species were white pine and aspen, their average BA's were 50 and 33 respectively.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	3	Pole/Log	9		Quaking Aspen	Low		5 - 10 feet	Sapling
Jack Pine	3	Pole	8		Beech	Trace		< 5 feet	Sapling
Balsam Fir	2	Pole	6		White Pine	Low		Variable	Sapling
White Pine	72	Log/Pole	12	76	Black Cherry	Low		5 - 10 feet	Sapling
Quaking Aspen	20	Pole/Log	9		Red Maple	Medium	5 - 10 feet	Sapling	
21	6123 - Lowland Fir	Sapling Medium	7.0	50	1-50	N/A	Changed from pole to sapling size. Also changed age from 95 to 50. Some pole size spruce/cedar scattered through but mostly sap size fir and alder. Mixed lowland conifer stand with red maple along the edge of the stand. Tag alder was heavy along the perimeter of the stand in the wettest of areas. East side of the stand is near the upper reaches of the East Branch of the AuSable River prior to flowing into River Lake. If this stand is prescribed for treatment the best access would be from the stands just to the North East.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	20	Pole/Sapling	5		Tag Alder	High		5 - 10 feet	Tall Shrub
Northern White Cedar	7	Pole	8						
Red Maple	5	Sapling/Pole	4						
Paper Birch	8	Sapling/Pole	4						
Balsam Fir	60	Sapling	3	50					
22	500 - Water	Nonstocked	26.1			No	Old comments- River Lake and East Branch of AuSable River with lowland shrub and grasses along the perimeter, this is a good waterfowl area.		
Sub-Canopy Species	Density	Avg. Height	Size						
Tag Alder	Low		Tall Shrub						
24	4130 - Aspen	Sapling Medium	13.5	5	1-50	N/A	White pine was not cut in previous harvest (mostly pole and log size with a few legacy pines). Sparser regen in areas where more white pine was retained but, met regen objective following harvest. Mostly upland with some low areas adjacent to stands 29 and 28. Northeast is tag alder with fir/cedar. Old comments- Stand harvested under contract 72-622-14, Last Minute Aspen, retention left on north and south end of sale. Stand is combination of aspen and white pine with a small component of red maple and oak. Quality of aspen is not that great, stand seems to be stagnant and in need of a treatment. Stand is fairly small may have to wait for treatment when other nearby stands are harvested. Three BA swings were taken, species recorded were aspen, white pine, red maple, and oak their respective average BA's were 63, 23, 13, and 10.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern Pin Oak	2	Sapling	1		Alder	Low		5 - 10 feet	Tall Shrub
White Pine	15	Pole/Log	8						
Red Maple	5	Sapling	1						
Black Cherry	2	Sapling	1						
Quaking Aspen	76	Sapling	1	5					
25	42290 - Natural Mixed Pine	Sawtimber Well	6.5	88	81-110	N/A	Changed from 2 aged to even aged. Upland pine with large declining oak. Stand is adjacent to ausable. Old comment- Mixed conifer stand with scattered oak. Several bull red and white pine, cored a few bull red pine averaged 108 yrs w/o much rot. Oak is present but declining. Best access is from the north thru the other compartment and adjacent stand. 4 BA swings were taken and the following species were recorded w pine, r pine, j pine, oak, r maple, cedar, b fir and their respective BA were 30, 12, 2, 12, 12, 2 and 2. The BA range was 50 - 100		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	58	Log/Pole	10	88	Red Maple	Medium		Variable	Sapling
Red Pine	10	Log	14		Balsam Fir	High		Variable	Sapling
Bigtooth Aspen	5	Pole	8		Black Spruce	Trace		Variable	Sapling
White Oak	1	Log	14						
Red Maple	3	Pole/Log	9						
Balsam Fir	5	Pole/Log	9						
Northern White Cedar	3	Log/Pole	11						
Northern Pin Oak	15	XLog/Log	18						





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>27</b>	4125 - Black, N. Pin Oak	Sawtimber Poor	18.0	87	1-50	N/A	Looks like a lot of oak recruited above browse height in south half of since last inventory. North side is a good mix of aspen/oak. Some lowland tamarack along east side of stand. Old comments- Stand was cut in 2006, treatment was to removal all but 20 BA of oak. Residual stand is poor quality, many of the remaining stems are dying. Cherry is overtopping most of the oak regeneration that is present. Aspen is medium to heavy, south of two track medium, north it is heavy. Stand is close to the East Branch of AuSable river. 5 BA swings were taken only species recorded were oak and maple and there BA's were 24 and 6 with a range of 10 - 40	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Tamarack	3	Pole	7		Quaking Aspen	High	>20 feet	Sapling
White Pine	2	Log	12		Balsam Fir	Trace	Variable	Sapling
Jack Pine	2	Pole/Log	9		White Pine	Low	10 - 20 feet	Sapling
Paper Birch	1	Pole	8		Northern Pin Oak	Medium	5 - 10 feet	Sapling
Northern Pin Oak	92	Log	15	87	Red Maple	Low	Variable	Sapling
					Black Cherry	Low	5 - 10 feet	Sapling
<b>28</b>	6123 - Lowland Fir	Poletimber Poor	10.8	57	1-50	N/A	Walked west half of stand and confirmed previous inventory canopy data with some minor tweaks. A lot of stand is sub-merch fir with heavy tag alder. Merged old stand 23 with stand 28 to meet mapping standards.  Stand 23 old comments: Stand is a mixture of aspen, maple with super canopy white pine. Understory is dominated by balsam fir and should continue to convert to a fir stand over time. Stand is self thinning and if allowed should convert to a balsam fir stand over time. Stand is surrounded by low lands and is not financially operational. Stand 28 old comments-Lowland stand with thick tag alder, could not access all the stand due to wetness. Super canopy white pine were present both dead and alive. Stand is pushing the requirement of forested as the tree density is not high, trees present are sapling to pole size.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Northern White Cedar	8	Pole	7		Common Cattail	Low	Unspecified	Non-Wood
White Pine	8	Log/XLog	16		Red Osier Dogwood	Trace	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole	7		Tag Alder	Full	Variable	Tall Shrub
Quaking Aspen	7	Pole/Log	9		Balsam Fir	Medium	< 5 feet	Sapling
Red Maple	10	Pole/Sap/Log	7					
Paper Birch	2	Sapling/Pole	4					
Tamarack	2	Sapling/Pole	4					
Balsam Fir	53	Pole/Sapling	5	57				
<b>29</b>	6229 - Mixed lowland shrub	Nonstocked	71.8			No	Old comment- Lowland shrub with tag alder and dogwood species. Located along the East Branch of the AuSable River and along River Lake.	
Sub-Canopy Species	Density	Avg. Height	Size					
Tamarack	Low		Sapling					
Balsam Fir	Low		Sapling					
Black Spruce	Low		Sapling					
Tag Alder	High		Tall Shrub					
<b>31</b>	4319 - Mixed Upland Forest	Poletimber Poor	8.8	23	1-50	N/A	Changed from open low density trees to forested. White pine is open grown with multiple leaders and lots of limbs (mostly pole and sapling size but has scattered log size trees too). Cherry sprouts throughout with small pockets of oak and aspen as well. Old comment- Open area with scattered cherry and white pine. Heaviest concentration of pine is located at the southern end of the stand.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Black Cherry	35	Sapling/Pole	4		Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling
Quaking Aspen	3	Pole	7					
Jack Pine	2	Pole	7					
Northern Pin Oak	5	Pole/Sapling	6					
White Pine	55	Pole/Sapling	6	23				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
<b>33</b>	4130 - Aspen	Sapling Poor	16.5	2	1-50	N/A	Aspen response following harvest was pretty good in most places. Some residual oak and white pine were left. Regen is lacking in a couple spots where higher ba was left. Overall stand looks moderate to fully stocked. Some oak and maple sprouts present but, highly browsed. Completed 7/24/2019 - payment unit 1 - Variable Density Oak and AspenMixed aspen stand with oak and maple scattered throughout. Small drainage runs through the stand. Few b fir, p birch and w pine occupy the overstory as well. The aspen is not of high quality, bigtooth aspen accounts for roughly 20 percent of the stand.																																																																	
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<b>34</b>	429 - Mixed Upland Conifers	Sawtimber Well	7.6	75	111-140	N/A	West side of stand is a little more dense with white pine/aspen dominating and a heavy fir understory. East side sub-canopy is a more open and has jack pine/oak dominated. Old comments- Mixed stand bordering a drainage, hence the variety of species. Understory is heavy in areas but not consistent throughout the stand. 4 BA swings were taken with these recorded species j pine, r maple, oak, w pine, b fir, aspen, r pine, the respective BA's were 48, 30, 12, 15, 5, 8 and 5 the range of basal area was 90 - 160.																																																																	
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<b>35</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	13.5	88	51-80	N/A	Tag alder with scattered cedar and fir through a lot of stand with pockeys of cedar with dense fir understory. There is also a small upland island that has ba ranging from 80-110 and is comprised of primarily maple/fir with some scattered oak and white pine (less than 1 acre). Old comment- Lowland cedar stand with mixed conifers. Red Maple was along the perimeter. Good wildlife cover and a section corner is located within this stand.																																																																	
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<b>36</b>	6130 - Fir, Aspen, Maple	Sawtimber Well	7.1	48	111-140	N/A	Stand more upland by 612 but mostly lowland. Stand is really variable for its size. Quite a few legacy pines through stand with pockets of pole size maple an fir in gaps. I changed aspen to the dominate spp. I also changed stand from 86 to 48 years old (some of the oak and red maple look to be that age though). The white pine legacy trees are much older. Old comments- This is a mixed stand with about 4-5 rows of red pine planted along county rd 612. The ave DBH of the planting is 13" and roughly 66 years old. The stand has a nice diversity of sizes and species, there are several bull (very large) red and white pine found along the perimeter of the stand. The interior of the stand is a combination of red maple, oak and aspen with a heavy balsam fir understory. There are thick pocket of both balsam fir and red maple sapling. There were also a few paper birch scatter throughout the stand. Four BA swings were taken recording aspen, w pine, b fir, r maple, r pine and oak, avg BA's were 18, 30, 15, 30, 8, 10.																																																																	
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<b>38</b>	500 - Water	Nonstocked	8.6			No	Jones Lake																																																																	



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<b>39</b>	4125 - Black, N. Pin Oak	Sawtimber Medium	90.4	87	51-80	N/A	<p>Regen patches cut in 2006 were split into a new multi-part stand during 2024 inventory. Patch cuts were pretty successful and are full of oak and or aspen. Shelterwooded portions of stand vary. Some portions have oak under 5', 10-20' white pine in places, or are open without any sub-canopy. Lots of declining oak. Old comments- Area was shelterwooded and patch cut in 2006. This area has and currently experiences heavy military use, as indicated by the numerous trails and firing points nested within this stand. Several small one acre regen harvest were conducted in 2006, regen is primarily oak stump sprouts with cherry, j pine and r maple too. Kinney road runs through this stand. No prescriptions, where overstory is present there is virtually no regeneration of any kind. Heavy vehicle traffic is probably a reason for the lack of regen. This is very much a park like stand condition. 20 BA swings were taken, oak, j pine and r pine were recorded and their respective BA's were 45, 5 and 5. The BA range was 30 - 80</p>																																																																	
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<b>40</b>	4310 - Pine, Oak Mix	Sawtimber Well	4.4	88	81-110	N/A	<p>Small stand with some of the larger oaks showing signs of decline. White pine are growing well and are healthy. A few large wolfy trees in seen.</p> <p>Old comment- Next to Jones Lake and Jones Lake Campground. BA's for oak 42, w pine 40, r pine 6 and r maple 6.</p>																																																																	
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<b>42</b>	4131 - Aspen, Oak	Sapling Well	72.4	13	Immature	N/A	<p>Oak pockets scattered through aspen..Old comments- Immature aspen stand with oak and red maple. Stand was harvested in 2008/09 72-624-07-01</p>																																																																	
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<b>43</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	26.5	67	111-140	N/A	<p>North has more aspen, south side is red pine dominated. West facing slope has inoperable portions. Some of the pin oak is showing decline but, overall healthy stand. Fairly steep slope should be operational. Aspen more prevalent near the bottom of the slope. Sloped portion was not treated during the last timber harvest, not sure if it was excluded because of the steepness. Prior inventory shows this stand as being treated. Northern portion of this stand is not that well stocked. Stand is next to private, would need survey for SE corner. 6 BA swings were taken w oak, oak, aspen r pine, w pine and r maple were recorded with avg BA's being 5, 45, 15, 10, 1, and 11 respectively with a range of 40 - 110</p>																																																																	
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<b>44</b>	4119 - Mixed Northern Hardwoods	Sapling Poor	10.5	2	1-50	N/A	Stand had all aspen left during harvest. Some portions in middle have 30-50 ba. Stand came back as mostly maple. There's a fair amount of oak that is heavily browsed and under 6'. Some scattered oak sprouts (mostly in north) made it above browse height and could were counted.  Old comments- Completed 07/24/2019 - Payment Unit 2 - Variable Density Oak and Aspen Mixed oak stand with pockets of aspen, not much for regeneration. 4 BA swings were taken w oak, oak, aspen and r maple were recorded with avg BA's being 17, 52, 23, and 32 respectively. BA range was 110 - 140.																																																						
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<b>45</b>	4131 - Aspen, Oak	Sapling Well	48.5	27	Immature	N/A	Changed from 2 aged to even aged. Secondary age was at 80 years old. Large portions of stand are oak dominated(SM).  Immature aspen stand harvested in 1995 with good advanced oak regen in the understory.																																																						
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<b>46</b>	4130 - Aspen	Sapling Poor	42.3	2	Immature	N/A	Aspen came back moderately stocked overall. There's some areas where regen is heavily browsed with regen under 6'. Stand was cut 2 years ago so, I anticipate those areas will fill in and recruit to make stand A3 in the future.  Old comments- Completed 07/24/2019 - Payment Unit 3 - Variable Density Oak and Aspen Stand is a combination of aspen, oak & red maple. Many areas of the stand are park like with little understory. Areas of mature aspen also had higher concentration of aspen regen. Oak pockets are existing throughout the stand, within these pocket and stand there is a faire number of white oak regen, these seedling/sprouts along with stump sprouts should allow oak to be a component of the next stand. Seven BA swings were taken recording aspen, oak, their avg BA's were 70, 50, 20, respectively.																																																						
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<b>47</b>	4130 - Aspen	Poletimber Well	91.4	36	51-80	N/A	Stand harvested 1986, Stretch-It Sale #033-85. A couple areas of sub-merch aspen but, most of its 6 or 7 inches now. West 1/3 of stand is big-tooth maple (SM). Immature aspen stand with oak mixed stand, was harvested in 1986. Stand opens up along two track running N to S. In this opening cherry sp along with willow are present.																																																						
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<b>48</b>	4199 - Other Mixed Upland Deciduous	Poletimber Well	46.6	37	1-50	N/A	Stand harveted in 1985, Lost Dog Sale #034-85. Changed covertype from aspen with oak to oak dominated with a smaller aspen component (SM).  Immature aspen stand with a good subcanopy of oak regen at various hts.																																												
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<b>49</b>	42120 - Planted Jack Pine	Sapling Well	18.6	25	Immature	N/A	Jack pine plantation harvested in 1994 and planted in 1996.																																												
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<b>51</b>	42290 - Natural Mixed Pine	Poletimber Well	2.8	86	51-80	N/A	Stand is part of timber sale in adjacent compartment 251 but, hasn't been cut yet. This stand is along 612, with mature jack pine and some aspen. Aspen is of poor quality. There is a portion this stand that is more open with immature aspen and j pine. Mature trees along 612 should be removed however due to the small size of this stand and proximity to operational time in this compartment it probably won't be treated. Subcanopy aspen age is an estimate assuming it was part of the area cut prior to stand 45 being planted.																																												
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<b>52</b>	4130 - Aspen	Sapling Medium	17.0	28	1-50	N/A	Multi-part stand harvested in 1994, 612-29 Jack Block #057-94. Mostly sub-merchantable with pockets of pole timber. Old comments- Aspen has over taken the jack pine planting. J pine was trenched and planted and is a component of the understory as well. There are open areas that are dominated by cherry species. When stand is treated should be treated with stand 46.																																												
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<b>53</b>	4125 - Black, N. Pin Oak	Sawtimber Poor	42.5	99	1-50	N/A	Shelterwood was successful. Oak and aspen regen are full density throughout stand. Small piece of stand in the north between the powerline and 612 was not cut previously and has a lot of scotch pine.  Oak shelterwood harvested in 2006/07. Thinned down to 30BA as per previous OI. Subcanopy mixture of aspen, oak and maple. Aspen regen predominate along the perimeter of the stand. Pockets of heavy aspen regen do exist. Residual oak is not of high quality alot of epicormic branching and several of the doubles have had one of the stems broken off, Four BA swings were record for Oak with avg BA of 48. No maple was recorded in the swings, however, maple is present in the stand.																																												
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<b>54</b>	4126 - White, Black, N. Pin Oak	Sawtimber Well	19.8	85	111-140	N/A	Overall still healthy oak stand. Small mortality pocket in northeast. Red maple sub-canopy greater than 20' consistant through stand.																																																					
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<b>55</b>	4125 - Black, N. Pin Oak	Sawtimber Poor	29.4	83	1-50	N/A	Northern portion of stand was not shelterwood cut with stand 55 and was split into a new stand (155).																																																					
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<b>56</b>	4130 - Aspen	Poletimber Well	37.3	36	51-80	N/A	North side 2 track has a lot more maple in sub canopy. Old comments- Stand was delineated as two separate stand last cycle, portion along 612 was harvested in 1995 and the majority of the stand was harvested in 1986, Do-Right Sale #032-85. Combined the stands as there didn't seem to be a significant difference in stand characteristics and portion along 612 is not that big. Understory is mixture of oak, maple and cherry.																																																					
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<b>57</b>	42120 - Planted Jack Pine	Sapling Well	10.3	25	1-50	N/A	Some scattered jp getting pole sized, still sapling size overall. Old comments- Small jack pine plantation with some mixed hardwoods within as well as in the understory. Stand is in the middle of a mature mixed hardwood stand.																																																					
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<b>58</b>	4199 - Other Mixed Upland Deciduous	Sapling Poor	46.0	2	Immature	N/A	Patchy regen. Stand contains pockets of good regenerating aspen and pockets where existing regen was protected. Large portions of stand contain heavily browsed oak and maple under 6' that can't be counted yet. Stand was cut 2 years prior to monitoring. Poorly stocked areas need more time to recruit above browse height.  Old comments- Completed 07/24/2019 - Payment Unit 4 - Variable Density Oak and Aspen portion of the stand is heavier to aspen while subcanopy is heavier to white oak regen. Middle portion of stand is more park like with very little understory. Oak is not of high quality. 6 BA swings were taken species recorded were r pine, aspen, p oak, w pine, w oak, and r maple, there respective avg BA's were 23, 16, 45, 10, 10, and 3 with a range of 40 - 150.																																																																								
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<b>59</b>	4124 - Red with White Oak	Sawtimber Well	90.3	88	81-110	N/A	Stand was several different stands in the last inventory, 3 oak and 1 u1, didn't feel the open area was significant enough to separate out and the 3 oak stand are the same age. Two of the stands have been treated in 1995 and 1986 the other stand butts up against KP lake and has not been treated. Stands that were treated have good aspen and r maple regeneration, oak regeneration is so so. 15 BA swings were taken and species recorded were w oak, r oak, r maple and aspen, avg BA's were 13, 67, 4 and 3 respectively with a range of 30 - 130.																																																																								
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<b>107</b>	42290 - Natural Mixed Pine	Poletimber Well	4.9	28	1-50	N/A	New stand split from parent stand 7. Area was harvested in 1994, Briggs Rd Jack #069-94 (SM). Jack pine with pockets of aspen. Looks like a lot of red pine residuals were left during harvest. Mostly upland with a wet portion between stands 5 and 9.  Parent Stand 7 Comment: Aspen/white pine stand with fair quality. Nice component of white pine with a scattering of red pine throughout too.																																																																								
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<b>139</b>	4125 - Black, N. Pin Oak	Sapling Medium	52.0	17	Immature	N/A	Regen patches harvested in 2006 split into multi-part stand from parent stand 39 during 2024 inventory. Patch cuts were more successful regenerating oak than the shelterwood portions. Parent Stand 39 old comments- Area was shelterwooded and patch cut in 2006. This area has and currently experiences heavy military use, as indicated by the numerous trails and firing points nested within this stand. Several small one acre regen harvest were conducted in 2006, regen is primarily oak stump sprouts with cherry, j pine and r maple too. Kinney road runs through this stand. No prescriptions, where overstory is present there is virtually no regeneration of any kind. Heavy vehicle traffic is probably a reason for the lack of regen. This is very much a park like stand condition. 20 BA swings were taken, oak, j pine and r pine were recorded and their respective BA's were 45, 5 and 5. The BA range was 30 - 80																																																																								
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<b>155</b>	4125 - Black, N. Pin Oak	Sawtimber Well	8.3	83	81-110	N/A	Stand was not shelterwood cut in 2008 with parent stand 55 and was split into new stand.																																																	
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<b>159</b>	4124 - Red with White Oak	Sawtimber Well	49.1	88	111-140	N/A	Stand was split off parent stand 159. Stand 159 has noticeably smaller diameter but, is same age. Open valley runs through middle of stand. East portion drops off pretty steep down to KP Lake. Old comments- Stand was several different stands in the last inventory, 3 oak and 1 u1, didn't feel the open area was significant enough to separate out and the 3 oak stand are the same age. Two of the stands have been treated in 1995 and 1986 the other stand butts up against KP lake and has not been treated. Stands that were treated have good aspen and r maple regeneration, oak regeneration is so so. 15 BA swings were taken and species recorded were w oak, r oak, r maple and aspen, avg BA's were 13, 67, 4 and 3 respectively with a range of 30 - 130.																																																	
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<b>401</b>	3102 - Grass	Nonstocked	1.9		Unspecified	No	Small grassy opening with some scattered pin oak and cherry throughout. Jack pine/scotch pine on east edge.																																																	
<b>402</b>	3102 - Grass	Nonstocked	5.2		Immature	Managed Opening	Old comments-Military Firing Point (FP) 307. Area is a mowed firing point w/no vegetation taller than grass. A few red pine have seeded in and are still in the seedling/sapling stage.																																																	
<b>403</b>	3102 - Grass	Nonstocked	9.3		Unspecified	Managed Opening	Old comment- Firing Point 308 mowed open area w/various grasses and other ground cover.																																																	
<b>404</b>	122 - Road/Parking Lot	Nonstocked	11.0		Immature	No	612 and other roads associated with fenced military compound.																																																	
<b>405</b>	3102 - Grass	Nonstocked	10.3		Unspecified	No	Old comments- Open area of planted grass with gravel runway, just East of fenced military compound. Believe it is used for the unmanned aircraft (as per signage). Few scrub cherry were growing in the area. Site seems to be maintained by the military.																																																	
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<b>406</b>	3102 - Grass	Nonstocked	8.8		Unspecified	Managed Opening	Military Firing Point 202. Seems to be managed by the military as vegetation is low with a mowed appearance. Some j pine is seeding in as well as some aspen presence in the seedling sapling stage.																																																	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
407	3102 - Grass	Nonstocked	3.4	0	Unspecified	No	<p>Grassy opening split from parent stand 39 during 2024 inventory. Looks like it was a managed opening or firing point when looking at 1993 aerial imagery.</p> <p>Old comments- Area was shelterwooded and patch cut in 2006. This area has and currently experiences heavy military use, as indicated by the numerous trails and firing points nested within this stand. Several small one acre regen harvest were conducted in 2006, regen is primarily oak stump sprouts with cherry, j pine and r maple too. Kinney road runs through this stand. No prescriptions, where overstory is present there is virtually no regeneration of any kind. Heavy vehicle traffic is probably a reason for the lack of regen. This is very much a park like stand condition. 20 BA swings were taken, oak, j pine and r pine were recorded and their respective BA's were 45, 5 and 5. The BA range was 30 - 80</p>
408	3102 - Grass	Nonstocked	1.9	0	Unspecified	No	<p>Small grassy opening located in a slight depression split into new stand during 2024 inventory. Aerial photos show this spot has been open since the 30's. Mostly tall grass with some stunted aspen in south.</p>
409	122 - Road/Parking Lot	Nonstocked	11.6	0	Unspecified	No	<p>County road 612 and power line ROW.</p>
410	3102 - Grass	Nonstocked	3.1	0	Unspecified	No	<p>Opening split from parent stand 55. Has been open since the 90's and was used as a landing when sale in adjacent stand 58 was cut. Mostly sweet fern and grass with a few scattered oak seedlings.</p> <p>Parent stand 55 previous comments.- Oak shelterwooded in 2008, 3 stands in prior OI, treatment was to reduce BA's to a range of 30 to 70. Heavy r maple regen both from stumps and seed. Remaining oak is of poor quality with epicormic branching. There are pockets of decent oak regen, however, stand will convert to maple is the maple regen is not set back or treated. Logged an active stick nest, believe a red-tail hawk, also logged an illegal elevated blind. Small componenet of red and white pine at the northern edge of stand. Part of the original treatment was to expand the aspen component and that is being accomplished.</p>