



# Compartment Review Presentation

## Grayling Forest Management Unit

Compartment 72252

Entry Year 2019

Acreage: 1,755

County Crawford

Management Area: Camp Grayling

---

**Revision Date:** 2018-03-20

**Stand Examiner:** Matthew Foster

**Legal Description:**

T27N R02W Sections 3, 4, 5, and 6 Grayling Township

**Identified Planning Goals:**

To provide an area that allows for National Guard training while maintaining forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment.

**Soil and topography:**

The compartment is generally flat to gently rolling terrain. However, some steep terrain exists in the northeast portion of the compartment. Soils consist primarily of Graycalm Sands or Roselawn and are well-drained.

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

The entire compartment is a mix of military board and long term lease lands. Much of this area is under the 1935 long-term lease agreement L-1479 (Act 154 P.A. 1935) with the Michigan National Guard, Department of Military Affairs. The agreement provides for use by the military during their encampment, with no permanent buildings or improvements to be erected. Military needs take precedence over resource management needs on long-term lease lands. The DNR will coordinate all prescribed activities with the National Guard to ensure they are compatible with military training needs.

**Unique Natural Features:**

The compartment has the potential or may contain Dry Prairie plant and animal associations (Hill's Thistle, Rough fescue, Alleghany Plum, Pale agoseris, Dusted skipper and the Grizzled skipper. All of these species are either of a special concern, threatened or endangered.

**Archeological, Historical, and Cultural Features:**

None.

**Special Management Designations or Considerations:**

The protection of Frog Lake restoration area; any and all military concerns and any threatened, endangered or special concerned species that may exist within the compartment.

**Watershed and Fisheries Considerations:**

Both small and large Frog Lakes exist within the compartment. Fisheries Division prefers that forest cover be left around both lakes.

**Wildlife Habitat Considerations:**

To manage and maintain existing cover types within the compartment and to improve habitat conditions for a wide variety of non-game and game wildlife.

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

A former gravel pit is located two miles to the northwest. Sand and gravel potential is good within the compartment. There is no history of oil and gas leasing in the compartment. The nearest past or current hydrocarbon production is several miles away. Oil and gas potential is considered low at this time. There is no known metallic mineral potential in this part of the state. The state does not own the mineral rights in Section 5.

**Vehicle Access:**

Access into and through the compartment can be obtained by Jones Lake Road and Stephan Bridge Road. Several two tracks exist off of these two County Roads into the compartment. On the west side of the compartment is a Military Tank trail. Most of these roads and trails are passable with a two wheel drive vehicle, but they may be closed during military use or firing.

**Survey Needs:**

None.

**Recreational Facilities and Opportunities:**

Designated snowmobile trail #47 occurs in the sections 4 and 5. North Stephan Road provides access for dispersed recreation for hunting, fishing, mushroom, and Jones Lake SFCG that is located to the north of the compartment in section 31.

**Fire Protection:**

Fire protection is the responsibility of the Michigan Department of Natural Resources and the Lovell's and Grayling Township Volunteer Fire Departments. Assistance from Camp Grayling (National Guard) can be obtained for this area due to heavy National Guard Training. The nearest water supplies are Jones Lake and Frog Lakes.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

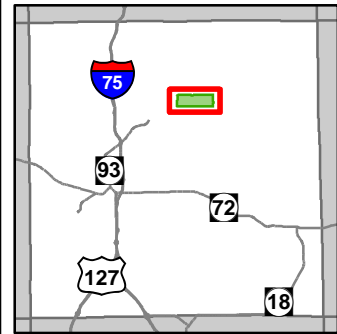
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

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

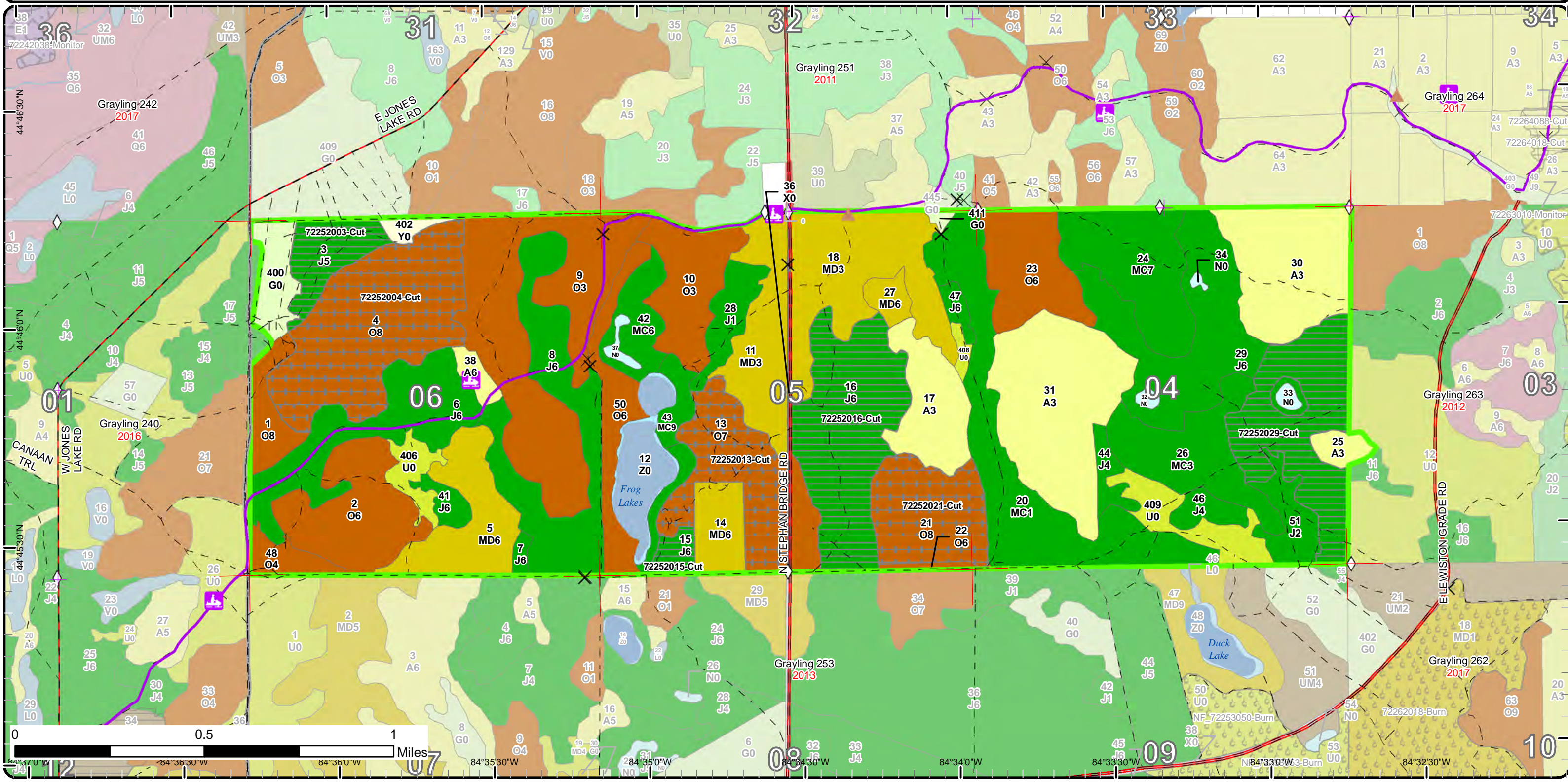


# Cover Type & Treatments Map



Compartment: 252  
 T27N R02W 03-06  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2019  
 Acres: 1755.4 GIS Calculated  
 Examiner: Matthew Foster  
 Map Revised: 3/13/2018  
 Map Phase: Post-Review

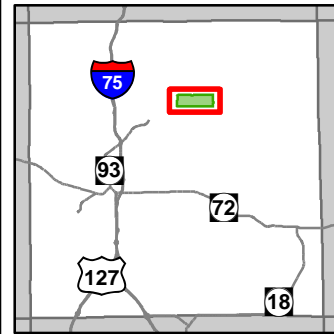
- Miris Corners
- Remonumented Section Corners
- Field Grade GPS Corners
- Counties
- Gate
- Berms
- Snowmobile Trails
- Designated Snowmobile Trails
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 623 - Emergent Wetland
- 710 - Sand/Soil
- Lakes
- Camp Grayling Gates
- Camp Grayling Tank Trail



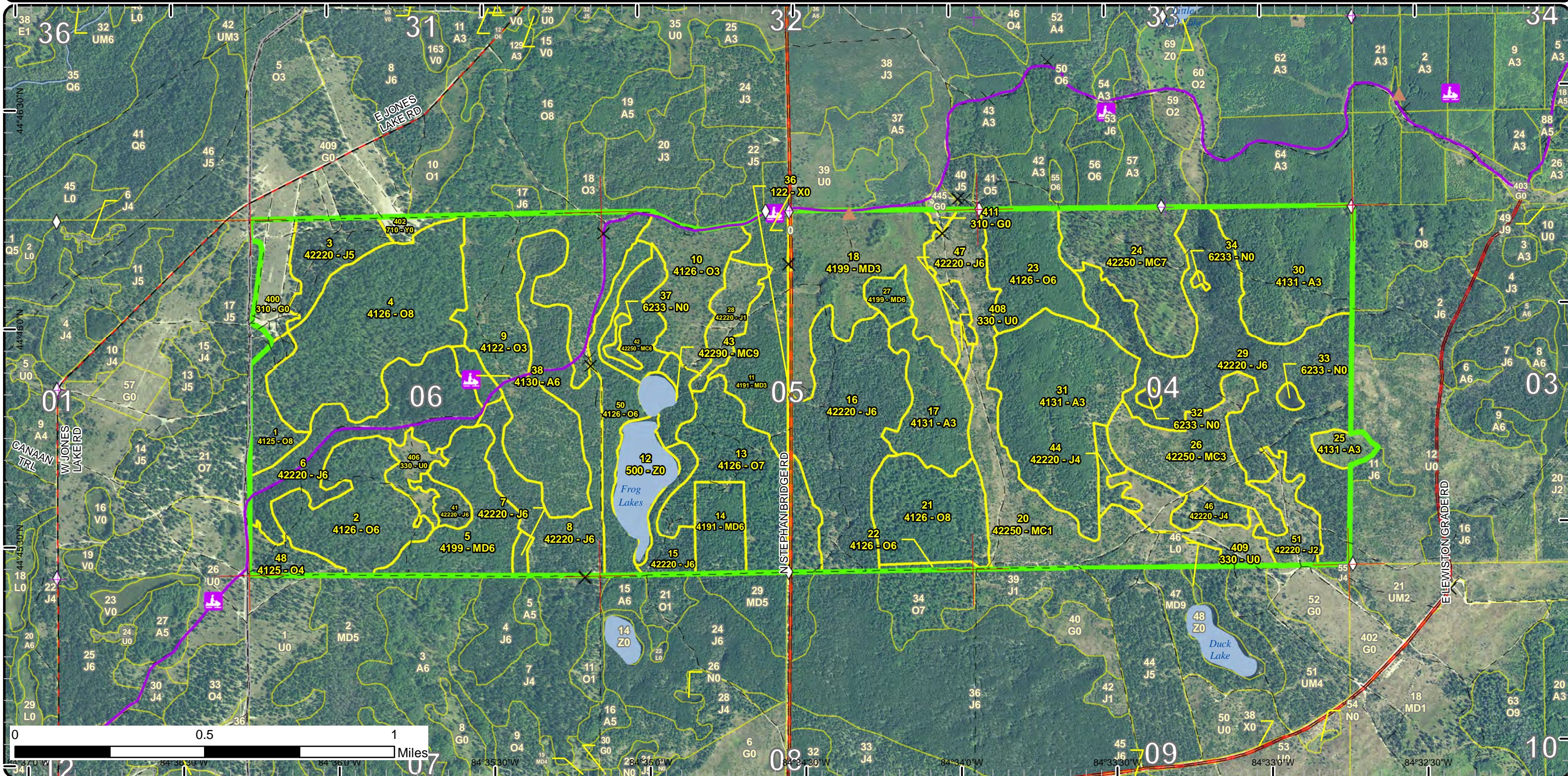


# Stand Boundary Map

Compartment: 252  
 T27N R02W 03-06  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2019  
 Acres: 1755.4 GIS Calculated  
 Examiner: Matthew Foster  
 Map Revised: 3/13/2018  
 Map Phase: Post-Review



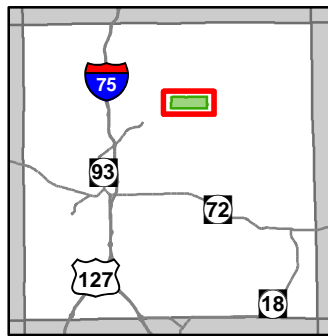
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ✕ Gate
- ▲ Berms
- Snowmobile Trails
- Designated Snowmobile Trails
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 623 - Emergent Wetland
- 710 - Sand/Soil
- ✕ Camp Grayling Gates
- Camp Grayling Tank Trail



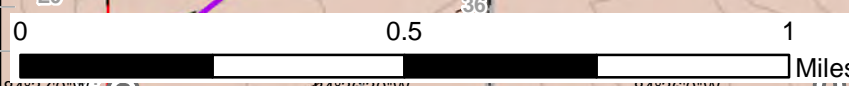
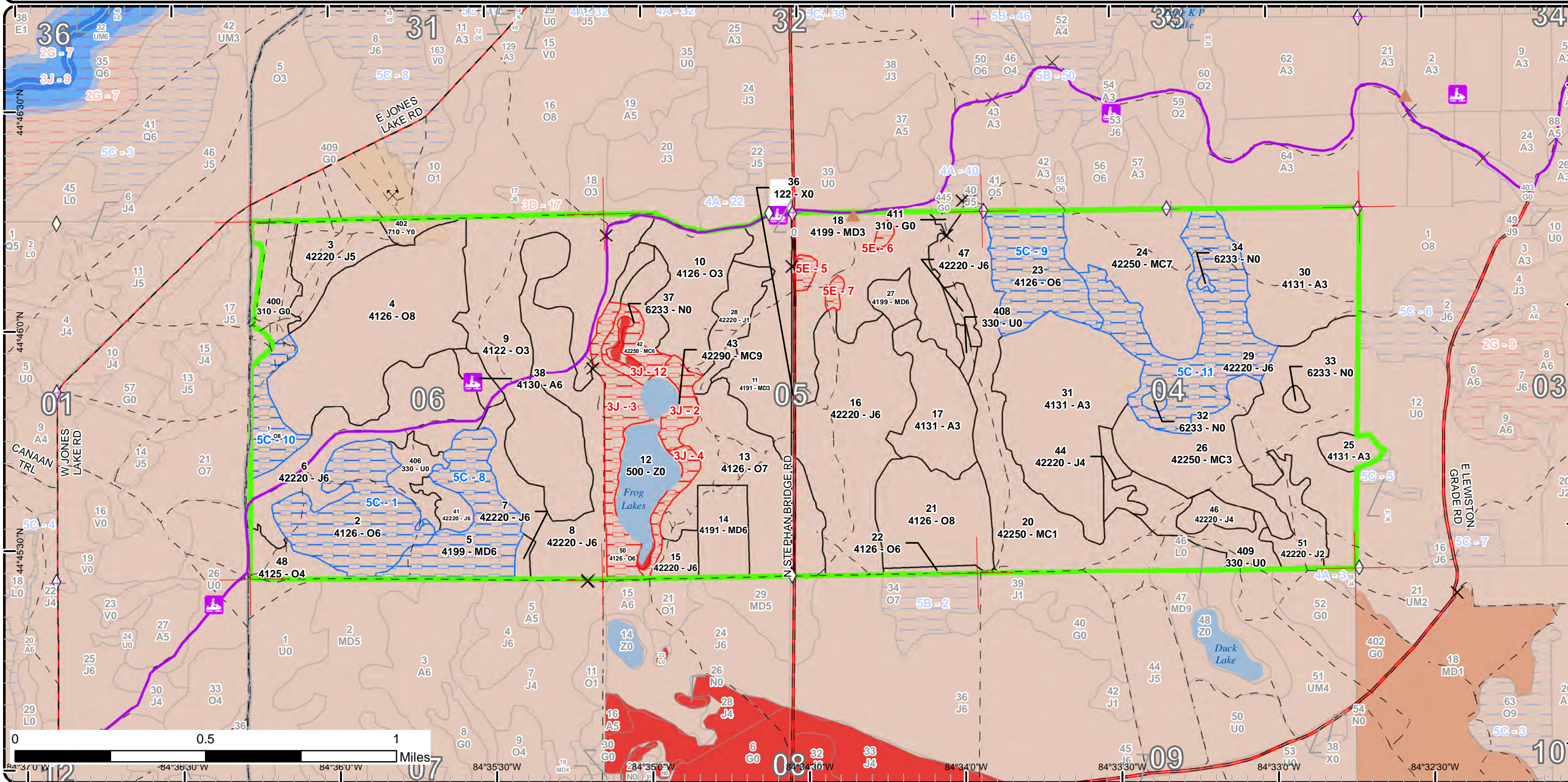


# Special Conservation Areas & Site Conditions Map

Compartment: 252  
 T27N R02W 03-06  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2019  
 Acres: 1755.4 GIS Calculated  
 Examiner: Matthew Foster  
 Map Revised: 3/13/2018  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ✕ Gate
- ▲ Berms
- Snowmobile Trails
- Designated Snowmobile Trails
- County Gravel Roads
- County Poor Dirt Roads
- - Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands
- Sand or Gravel Pit
- Sand or Gravel Pit
- ✕ Other Habitat Area
- ✕ Camp Grayling Gates
- Camp Grayling Tank Trail lake



Map coordinates: 84°37'0"W, 84°36'30"W, 84°36'0"W, 84°35'30"W, 84°34'30"W, 84°34'0"W, 84°33'30"W, 84°33'0"W, 84°32'30"W



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	8	0	193	0	6	0	0	0	0	0	0	0	0	0	0	0	0	207
Herbaceous Openland	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Jack Pine	0	0	0	35	0	93	73	238	40	0	0	0	0	0	0	0	0	0	479
Low-Density Trees	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Marsh	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	75	0	46	20	8	0	0	0	0	45	0	0	0	0	0	0	0	194
Natural Mixed Pines	0	0	143	0	0	0	0	0	77	10	0	0	0	0	0	0	0	0	230
Oak	0	40	120	0	3	0	12	0	0	283	84	0	0	0	0	0	0	0	542
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
<b>Total</b>	<b>105</b>	<b>123</b>	<b>263</b>	<b>274</b>	<b>23</b>	<b>107</b>	<b>85</b>	<b>238</b>	<b>117</b>	<b>293</b>	<b>129</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1757</b>



## Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 252

Total Compartment Acres: 1,755

Commercial Harvest - 402  
 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
Jack Pine	193	0	0	0	0	0	0	0	0	193
Oak	0	0	0	0	0	0	210	0	0	210
<b>Total</b>	<b>193</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>210</b>	<b>0</b>	<b>0</b>	<b>403</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	403	0	0	0	0	0	0	0	0	403
Next Step	0	0	0	0	0	0	403	0	0	403
<b>Total</b>	<b>403</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>403</b>	<b>0</b>	<b>0</b>	<b>805</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
3	72252003-Cut	24.7	42220 - Natural Jack Pine	Poletimber Medium	71	Unspec ified	Harvest	Clearcut	4310 - Pine, Oak Mix	Even-Aged	Draft Field Boundary

**Habitat Cut: No Site Condition:**

Prescription Final harvest 2" and up, leave no retention. Apply standard Military specs, they have approved to make chipping optional.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack pine, oak, aspen. Moderately stocked is acceptable.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

4	72252004-Cut	105.5	4126 - White, Black, N. Pin Oak	Sawtimber Medium	85	1-50	Harvest	Overstory Removal	412 - Oak Types	Even-Aged	Draft Field Boundary
---	--------------	-------	---------------------------------	------------------	----	------	---------	-------------------	-----------------	-----------	----------------------

**Habitat Cut: No Site Condition:**

Prescription Final harvest 4" and up, protecting pockets of regeneration where possible, leave no retention. Apply standard Military specs, they have approved

Specs: to make chipping optional.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Will accept a combination of oak, maple, and aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

13	72252013-Cut	54.5	4126 - White, Black, N. Pin Oak	Sawtimber Poor	92	1-50	Harvest	Overstory Removal	412 - Oak Types	Even-Aged	Draft Field Boundary
----	--------------	------	---------------------------------	----------------	----	------	---------	-------------------	-----------------	-----------	----------------------

**Habitat Cut: No Site Condition:**

Prescription Final harvest 4" and up, protecting pockets of regeneration where possible, leave no retention. Apply standard Military specs, they have approved

Specs: to make chipping optional. Excluding the east side of Stephan Bridge Road for visual concerns.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak, red maple, aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

15	72252015-Cut	7.7	42220 - Natural Jack Pine	Poletimber Well	76	Unspec ified	Harvest	Clearcut	4310 - Pine, Oak Mix	Even-Aged	Draft Field Boundary
----	--------------	-----	---------------------------	-----------------	----	--------------	---------	----------	----------------------	-----------	----------------------

**Habitat Cut: No Site Condition:**

Prescription Final harvest with no retention, apply standard Military specs, they have approved to make chipping optional.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of jack pine, red pine, oak, and aspen.

Regen:

Other 100 ft buffer placed on Frog Lake per discussion with Neal, would not want to cut any closer due to slope anyway.

Comment:

Proposed Start Date: 10/01/2018





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
16	72252016-Cut	89.1	42220 - Natural Jack Pine	Poletimber Well	62	Unspec ified	Harvest	Clearcut	4122 - Oak, Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Final harvest 2" and up, leave no retention. Apply standard Military specs, they have approved to make chipping optional.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of oak and jack pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

21	72252021-Cut	49.5	4126 - White, Black, N. Pin Oak	Sawtimber Medium	89	51-80	Harvest	Overstory Removal	412 - Oak Types	Even-Aged	Draft Field Boundary
----	--------------	------	------------------------------------	---------------------	----	-------	---------	----------------------	-----------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Final harvest 4" and up, protecting pockets of regeneration where possible, leave no retention. Apply standard Military specs, they have approved

Specs: to make chipping optional.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak, red maple, aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

29	72252029-Cut	71.5	42220 - Natural Jack Pine	Poletimber Well	61	Unspec ified	Harvest	Clearcut	4310 - Pine, Oak Mix	Even-Aged	Draft Field Boundary
----	--------------	------	------------------------------	--------------------	----	-----------------	---------	----------	-------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Final harvest 2" and up, leave no retention. Leave buffer and follow BMP's around stand 33. Apply standard Military specs, they have approved to make chipping optional.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack pine, oak, aspen. Accept a moderately stocked stand.

Regen:

Other

Harvesting half of stand 29 to break up stand, green up is not an issue with adjacent compartment.

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment  
Acreage Proposed: 402.5**



## Report 4 – Site Conditions

Grayling Mgt. Unit  
Matthew Foster : Examiner

Compartment: 252  
Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		5C	3J	5E
207	207	<b>0</b>	0	Aspen			
21	21	<b>0</b>	0	Herbaceous Openland			
479	397	<b>75</b>	7	Jack Pine	75	7	
37	37	<b>0</b>	0	Low-Density Trees			
7	7	<b>0</b>	0	Marsh			
194	143	<b>45</b>	6	Mixed Upland Deciduous	45		6
228	208	<b>0</b>	20	Natural Mixed Pines		20	
543	400	<b>115</b>	27	Oak	115	27	
5	5	<b>0</b>	0	Sand, Soil			
6	6	<b>0</b>	0	Urban			
29	29	<b>0</b>	0	Water			
1,755	1,460	<b>235</b>	60	Total Forested Acres	235	54	6
	83%	<b>13%</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 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>	55	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Grayling Mgt. Unit  
Matthew Foster : Examiner

Compartment: 252  
Year of Entry: 2019

3	Unavailable	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Unavailable	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Unavailable	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	Unavailable	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	Unavailable	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	45	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	42	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Grayling Mgt. Unit  
Matthew Foster : Examiner

Compartment: 252  
Year of Entry: 2019

10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	75	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	10	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
----------	--------------	-------------	----------------	-------

Comments





**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4125 - Black, N. Pin Oak	Sawtimber Medium	18.0	94	1-50	Mature Oak stand with heavy Military use, a lot of trails going through here. Old notes indicate this is a field camping area. Recommend doing nothing due to the type of use by the military in the stand.
2	4126 - White, Black, N. Pin Oak	Poletimber Well	55.4	81	81-110	Some areas of stand look like there could have been past management, could not find any records. Variable stand with pockets of aspen and jack pine scattered throughout the oak. Look to harvest this stand in 10 years.
3	42220 - Natural Jack Pine	Poletimber Medium	24.7	71	Unspecified	Scattered jack pine and oak, jack pine is overmature and dying out. Looks like heavy Military use in this stand. Look to harvest if Military is ok with it.
4	4126 - White, Black, N. Pin Oak	Sawtimber Medium	105.5	85	1-50	All jack pine, red maple, and aspen were harvested in 2012, leaving all the oak and some pine. Average BA is around 50, lower in pockets where there was more aspen or where the oak is now falling over. Oak is declining, it is poor quality to begin with. Borderline pole/ log stand, we need to come back in and final harvest everything 4" and up. With the amount of regeneration in the understory, this will be a fully stocked stand in the future.
5	4199 - Other Mixed Upland Deciduous	Poletimber Well	44.9	92	81-110	Two aged stand, log sized oak mixed with pole sized red maple and aspen pockets. Pocket of jack pine/oak mix included at the east edge of the stand (easily visible on imagery). Old notes indicate the south half burned in 1965 and the aspen sprouted back. Let the aspen and red maple grow another 10 years and then final harvest.
6	42220 - Natural Jack Pine	Poletimber Well	60.9	52	Unspecified	Variable jack pine diameters, some log sized oak scattered throughout. Stand can hold for 10 years.
7	42220 - Natural Jack Pine	Poletimber Well	2.9	47	Unspecified	Looks like this stand could have regenerated from a fire. Small stand of almost all jack pine, high stem density.
8	42220 - Natural Jack Pine	Poletimber Well	73.0	42	Unspecified	Stand is a little more sparse in the south half, found a couple pockets of older, more mature oak and jack pine.
9	4122 - Oak, Pine	Sapling Well	120.0	15	Immature	Harvested everything 6" and up in 2003. Scattered 6"-8" trees of all species found throughout the stand left from the harvest. This stand is more deciduous dominated at the north end, most of the pole sized trees are found there also.
10	4126 - White, Black, N. Pin Oak	Sapling Well	40.0	6	Immature	This stand was diameter limit cut in 2012, all trees greater than 9 inches were harvested. Regeneration is thick, passes regeneration check. Scattered pole size trees of all species left throughout the stand from the harvest. Regent is thick passes regent check scattered 5-6 in trees all species featured saplings cut in 2012, all trees greater than 9 inches were cut. A buffer was left at the north end of the stand along the snowmobile trail.
11	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	45.9	27	Immature	Harvested in 1991 at the same time as stand 28. Very thick in areas, close to becoming a pole stand.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
13	4126 - White, Black, N. Pin Oak	Sawtimber Poor	66.1	92	1-50	Harvested in 2002, all red pine and all oak 9" and larger were left. BA is around 40, very variable throughout the stand. Overstory oak and some red pine and thick regeneration underneath.
14	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	20.4	37	1-50	Harvested in 1981, just now entering pole size class. Most of the conifer component is in the SW corner of the stand. West portion of stand slopes down towards Frog Lake.
15	42220 - Natural Jack Pine	Poletimber Well	15.0	76	Unspecified	Old, declining jack pine. A lot of the stand is on a downslope to Frog Lake, could look to harvest the portion that is away from the lake.
16	42220 - Natural Jack Pine	Poletimber Well	89.1	62	Unspecified	Jack pine mortality is occurring throughout the stand, a lot of oak in the understory. Look to final harvest.
17	4131 - Aspen, Oak	Sapling Well	36.4	27	Immature	Stand harvested in 1991, a few open areas to the west, more oak and jack pine in these areas. Aspen pockets are very thick.
18	4199 - Other Mixed Upland Deciduous	Sapling Well	75.0	6	Immature	Combined this stand with stand 19. Harvested in 2012, regenerating well, three retention islands were left and are included in the stand. Scattered 3"-4" red maple was left from the sale. Pockets of aspen are scattered throughout.
20	42250 - Pine, Oak	Sapling Poor	94.6	18	Immature	Final harvested in 2000 under timber sale contract 72-029-00-01(Long Boot 4 Block). Due to military constraints, stand was not replanted. Stand is in a valley that is more or less level in terrain, sparse open grown jack pine and oak.
21	4126 - White, Black, N. Pin Oak	Sawtimber Medium	49.5	89	51-80	Mature Oak stand that was partially harvested in 2002, all oak 9" and up were left during the harvest. BA is now around 70 with a mature oak overstory and understory full of regeneration. North end of stand is a little more open with more dense regeneration. Looks like there could be some true northern red oak mixed in with the pin oak. Need to remove overstory ASAP if we are going to do it.
22	4126 - White, Black, N. Pin Oak	Poletimber Well	3.3	37	51-80	Long narrow strip along between stand 21 and two track to the south, harvested in 1981. Old notes indicate this was designated as a fuel break. Oak mixed with red maple, this is just becoming a pole stand, understory is filling in with more oak.
23	4126 - White, Black, N. Pin Oak	Poletimber Well	41.8	82	81-110	Oak stand on ridge top and side slopes, borderline pole/log stand. A couple pockets of red pine and scattered jack pine in the west half of the stand.
24	42250 - Pine, Oak	Sawtimber Poor	55.9	72	1-50	Stand harvested in 2012, shelterwood 20BA residual, rolling terrain. Mature oak in the overstory is starting to die out. Fails oak management objective, heavy deer browse on maple and oak, need to accept regeneration that is here.
25	4131 - Aspen, Oak	Sapling Well	7.9	7	Immature	Stand harvested in 2011, aspen and oak regenerating. Most of the aspen is in the north half of the stand, south half is a little more open. A few scattered red pine were left from the harvest



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	42250 - Pine, Oak	Sapling Well	47.5	18	Immature	Harvested in 2000, jack pine and oak mixed with a few open areas, found a couple pockets of aspen in the north finger.
27	4199 - Other Mixed Upland Deciduous	Poletimber Well	7.9	48	51-80	Odd stand looks like we let nature take its course in the past, still scattered remaining large oak dying out, not enough to warrant harvesting, leave stand as is.
28	42220 - Natural Jack Pine	Sapling Poor	17.3	27	Immature	Harvested in 1991, at the same time as stand 11. Scattered open grown jack pine in a small valley, mixed in with some cherry.
29	42220 - Natural Jack Pine	Poletimber Well	148.8	61	Unspecified	Large, variable stand, pockets of aspen and red pine scattered throughout. Some areas of 1-2 stick jack pine and others 4-5 stick, most of the smaller jack pine found in the NW finger. Mortality is occurring, mostly in the SE half, good oak understory in most spots. Look to harvest some of this stand to break it up.
30	4131 - Aspen, Oak	Sapling Well	65.8	26	Immature	Stand was harvested in 1992, some areas sparse of aspen due to frost pockets and old landings. Sparse areas have some jack pine and cherry.
31	4131 - Aspen, Oak	Sapling Well	90.9	27	Immature	Harvested in 1991, larger diameter and more bigtooth on the ridge. Red maple and oak scattered throughout the stand.
38	4130 - Aspen	Poletimber Well	6.2	46	Unspecified	Very nice aspen stand, hold for another 10 years.
41	42220 - Natural Jack Pine	Poletimber Well	6.9	52	Unspecified	Small stand of jack pine and oak, a few small open areas included.
42	42250 - Pine, Oak	Poletimber Well	20.6	76	81-110	Valley and slopes that lead down to Frog Lake and adjacent wet areas. Could harvest a few acres from here but isn't worth it right now.
43	42290 - Natural Mixed Pine	Sawtimber Well	9.5	84	111-140	Mix of jack and red pine, stand slopes down to Frog Lake. Looks like many restoration projects have occurred here to keep people from driving down to the lake.
44	42220 - Natural Jack Pine	Poletimber Poor	8.1	46	Unspecified	Stand delineated from opening in stand 409, sparse pole sized trees with regeneration underneath.
46	42220 - Natural Jack Pine	Poletimber Poor	9.2	46	Unspecified	New stand added, was previously part of stand 409 opening, similar to stand 51 except this stand has more pole sized jack pine. Poor quality aspen stand at the west end.
47	42220 - Natural Jack Pine	Poletimber Well	4.9	52	Unspecified	Small pole sized jack pine stand left during adjacent harvests. A few single trees starting to die out, leave stand as is due to small size.



S  
t  
a  
n  
d

Grayling Mgt. Unit

Report 7 – Forested Stands

Compartment: 252  
Year of Entry: 2019



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
48	4125 - Black, N. Pin Oak	Poletimber Poor	11.9	51	1-50	Open grown oak, mostly pole sized with a couple of large log sized oak. Looks like some cutting here in the past but no records. A lot of trails through the stand looks like heavy Military use.
50	4126 - White, Black, N. Pin Oak	Poletimber Well	31.1	86	51-80	Long skinny stand of oak, jack pine, and some aspen. This stand is on the downslope to Frog Lake and adjacent wetland area to the north.
51	42220 - Natural Jack Pine	Sapling Medium	17.8	26	Immature	New stand added, this was previously part of the stand 409 opening, it has filled in with jack pine. Mostly saplings with a few scattered poles.



Stand	Cover Type	Acres	Managed Site	General Comments:
12	500 - Water	29.0	No	Stand 12 includes both Little and Big Frog Lakes.
32	6233 - Wet Meadow	1.6	No	Small ponds/bog/marshes in deep pockets scattered throughout the compartment.
33	6233 - Wet Meadow	2.1	No	Small ponds/bog/marshes in deep pockets scattered throughout the compartment.
34	6233 - Wet Meadow	0.8	No	Small ponds/bog/marshes in deep pockets scattered throughout the compartment.
36	122 - Road/Parking Lot	5.7	No	Stephan Bridge Rd.
37	6233 - Wet Meadow	2.7	No	Non forested wet area at the bottom of a steep hill.
400	310 - Herbaceous Openland	18.9	No	Heavy Military use, grassy opening with scattered trees along the edges.
402	710 - Sand, Soil	5.1	No	Large sandy hill (Budweiser Hill) with scattered oak trees at the top, heavy Military use.
406	330 - Low-Density Trees	11.5	No	Small opening with scattered pockets of jack pine.
408	330 - Low-Density Trees	2.9	No	Small opening with scattered jack pine, younger jack pine filling in.
409	330 - Low-Density Trees	22.9	No	Opening with scattered jack pine and oak saplings.
411	310 - Herbaceous Openland	1.7	No	Small grassy opening with pole sized jack pine around the outside, looks like jack pine was left from harvests to keep people from driving around the gate.