



# Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72247

Entry Year 2018

Acreage: 1,856

County Crawford

Management Area: Camp Grayling

---

**Revision Date:** 2016-04-04

**Stand Examiner:** Paul Roell

**Legal Description:**

T28N R02W Sections 7,8 and 9

**Identified Planning Goals:**

The compartment lies entirely within the Michigan Army National Guard's fenced high-impact air-to-ground bombing Range 40 Complex. No access is allowed for field inventory. Forest management entry occurs only at the request of the Military to meet their specified needs.

**Soil and topography:**

No soil surveys have been undertaken. The area is characterized by flat to gently rolling terrain.

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

Range 40 encompasses the compartment.

**Unique Natural Features:**

None are known.

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

None are known.

**Special Management Designations or Considerations:**

Michigan Army National Guard's fenced high-impact air-to-ground bombing Range 40 Complex

**Watershed and Fisheries Considerations:**

This compartment contains Barnes Lake and part of the East Branch Au Sable River, as well as a large wetland area. Since this area is within the military range, no management prescriptions are planned, and Fisheries has no concerns at this time.

**Wildlife Habitat Considerations:**

None

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

None

**Vehicle Access:**

None, except for authorized military use.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

None

**Fire Protection:**

The area burns regularly, so fuel loads are light and no fire suppression is taken within the fenced area.

**Additional Compartment Information:**

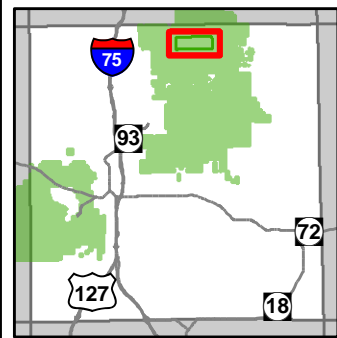
**The following reports from the Inventory are attached:**

- 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:**

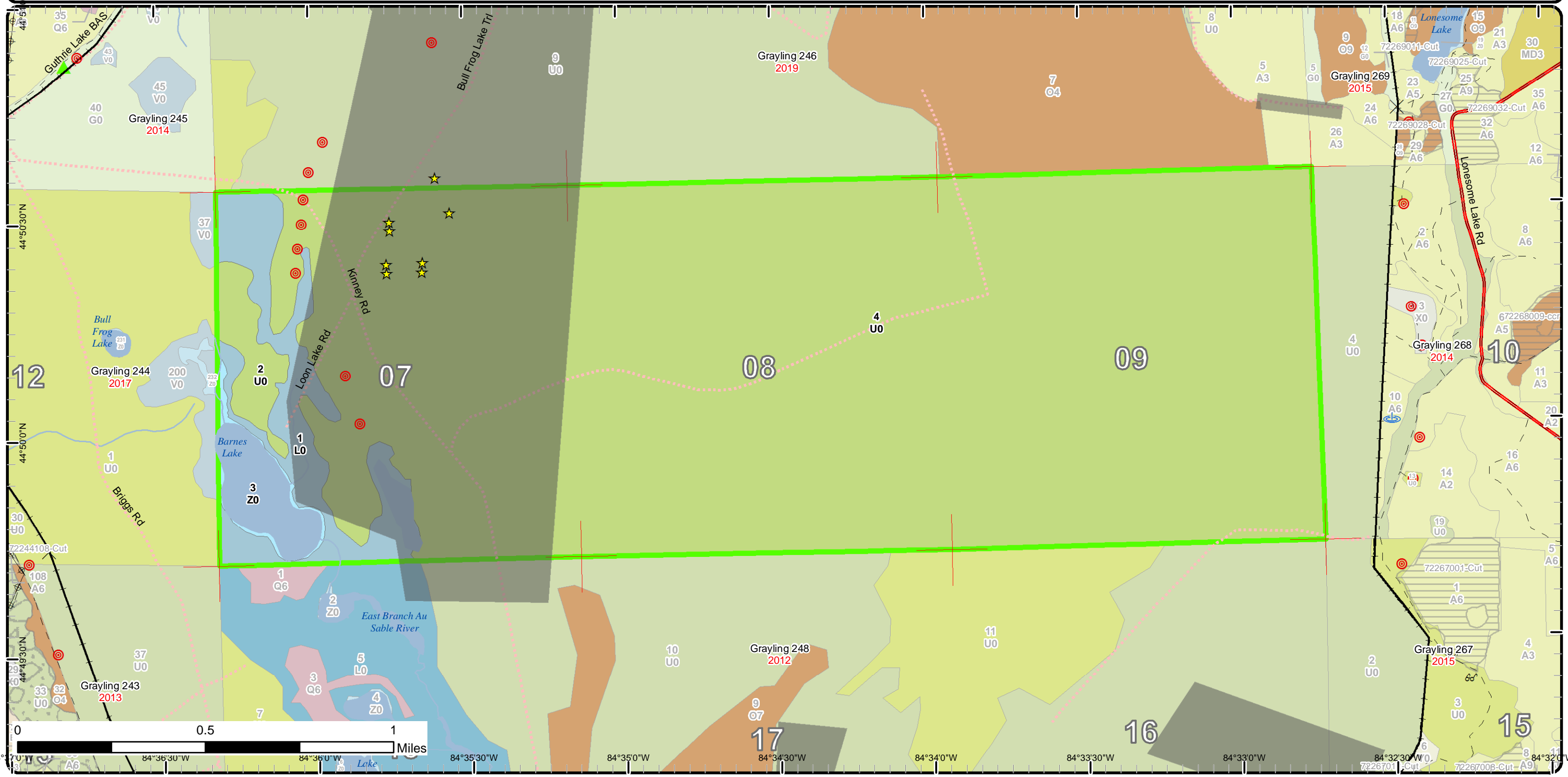
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map



Compartment: 247  
 T28N, R02W, Sec: 07-09  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2018  
 Acres: 1856 GIS Calculated  
 Examiner: Paul Roell  
 Map Revised: 3/9/2017  
 Map Phase: Post-Review

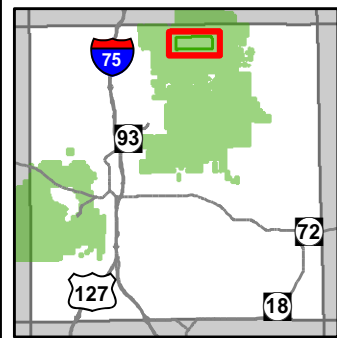
- Miris Corners
- ▲ OFS Human Impact
- ⊕ OFS Hydro
- County Gravel Roads
- - - Poor Dirt Roads
- ⋯ Closed
- Streams
- Lakes and Rivers All
- ⊕ Powerline
- - - Fence
- Compartment Boundary
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- Lakes
- ⊕ Camp Grayling Observation Point
- ★ Camp Grayling Safety Marker
- ⊙ Camp Grayling Firing Point
- × Camp Grayling Gates
- Camp Grayling Fence
- Camp Grayling Range Area



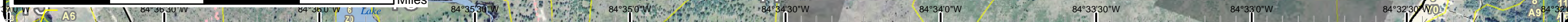
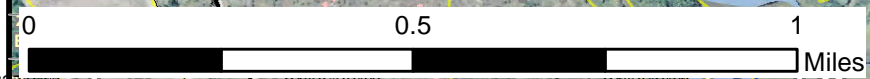
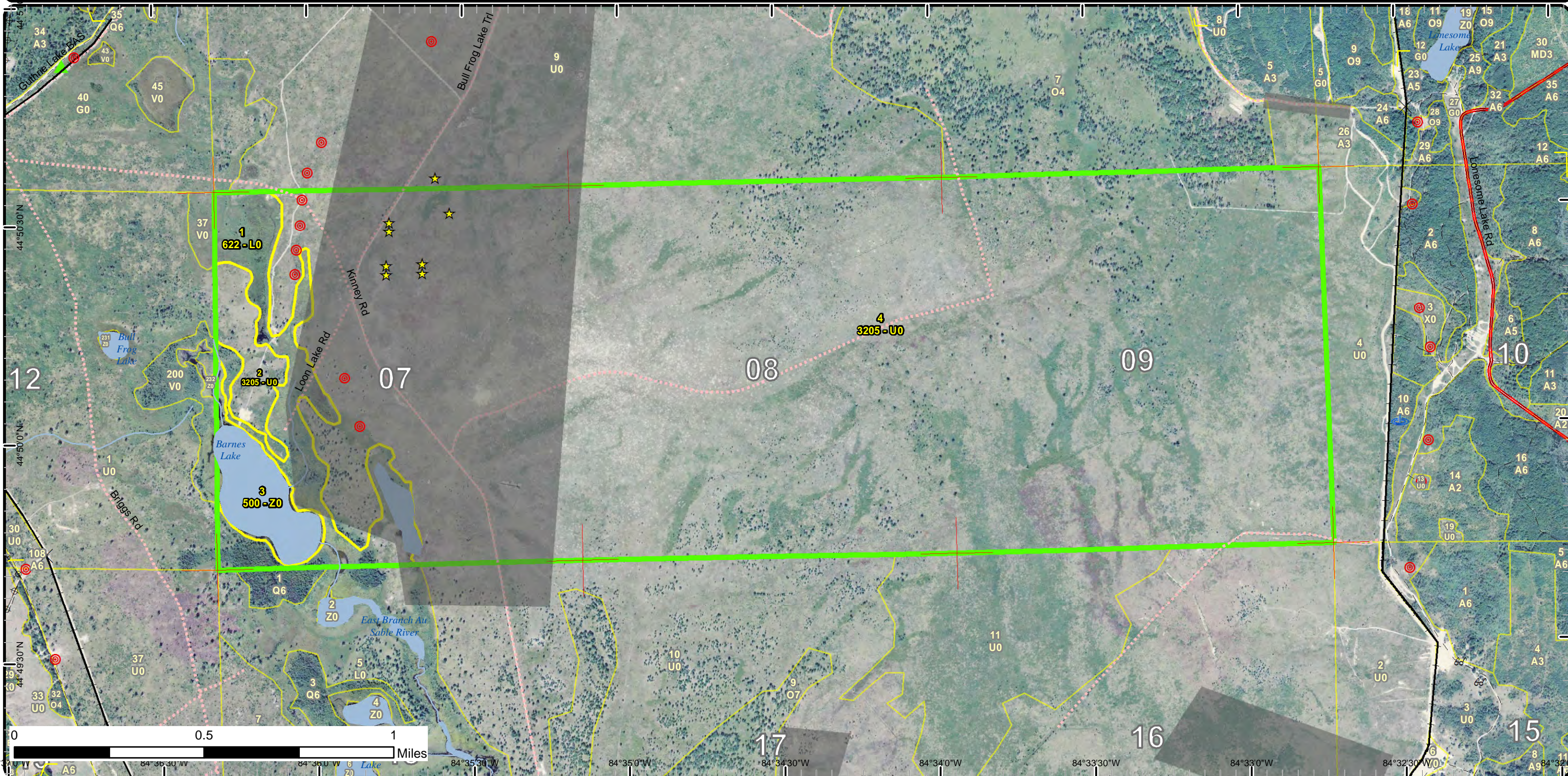


# Stand Boundary Map

Compartment: 247  
 T28N, R02W, Sec: 07-09  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2018  
 Acres: 1856 GIS Calculated  
 Examiner: Paul Roell  
 Map Revised: 3/9/2017  
 Map Phase: Post-Review



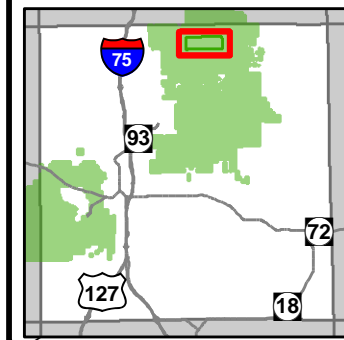
- Miris Corners
- ▲ OFS Human Impact
- ⊕ OFS Hydro
- County Gravel Roads
- Poor Dirt Roads
- ⋯ Closed
- Streams
- Lakes and Rivers All
- Powerline
- Fence
- Compartment Boundary
- Stand Boundaries
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- ⊕ Camp Grayling Observation Point
- ★ Camp Grayling Safety Marker
- ⊙ Camp Grayling Firing Point
- ✕ Camp Grayling Gates
- Camp Grayling Fence
- Camp Grayling Range Area



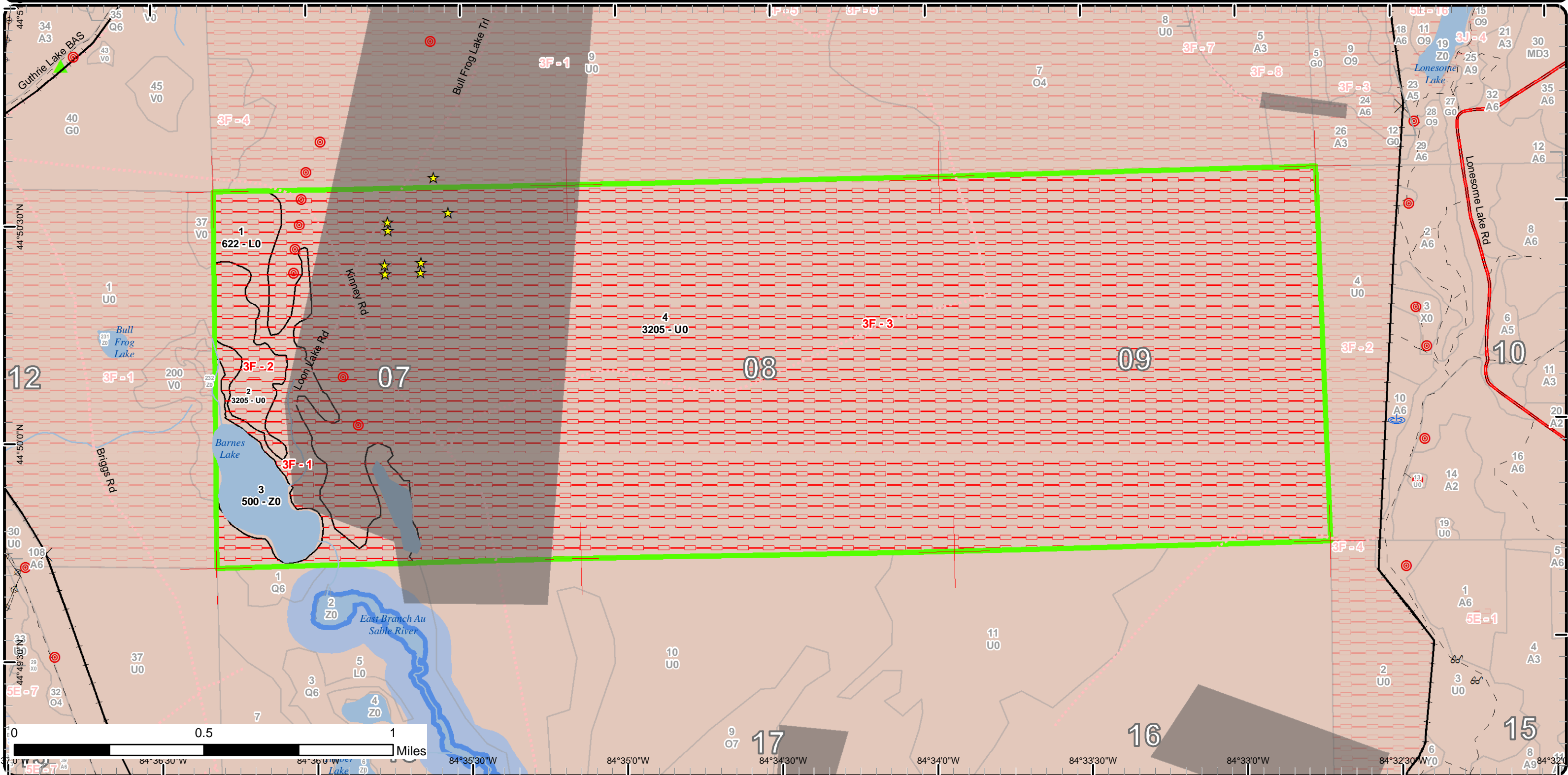


# Special Conservation Areas & Site Conditions Map

Compartment: 247  
 T28N, R02W, Sec: 07-09  
 County: Crawford  
 Unit: Grayling  
 Mgmt Area: Camp Grayling  
 YOE: 2018  
 Acres: 1856 GIS Calculated  
 Examiner: Paul Roell  
 Map Revised: 3/9/2017  
 Map Phase: Post-Review



- Miris Corners
- ▲ OFS Human Impact
- ⊕ OFS Hydro
- County Gravel Roads
- - Poor Dirt Roads
- ⋯ Closed
- Streams
- Lakes and Rivers All
- ⊕ Powerline
- - - Fence
- Compartment Boundary
- Unavailable
- 3F: Military easement / lease
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Research, Development, and Military Lands
- ⊕ Camp Grayling Observation Point
- ★ Camp Grayling Safety Marker
- ⊕ Camp Grayling Firing Point
- ✕ Camp Grayling Gates
- Camp Grayling Fence
- Camp Grayling Range Area



84°37'0"W 84°36'30"W 84°36'0"W 84°35'30"W 84°35'0"W 84°34'30"W 84°34'0"W 84°33'30"W 84°33'0"W 84°32'30"W 84°32'0"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
Lowland Shrub	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103
Upland Shrub	1712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1712
Water	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
<b>Total</b>	<b>1856</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1856</b>



## Report 2 – Treatment Summary

**Grayling Mgt. Unit**  
**Year of Entry: 2018**

**Compartment 247**  
**Total Compartment Acres: 1,856**

---

### Acres of Harvest

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

---



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

#Type!

**Habitat Cut:**

Prescription  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date:

**Site Condition:**

**Total Treatment  
Acreage Proposed: 0.0**



## Report 4 – Site Conditions

Grayling Mgt. Unit  
Paul Roell : Examiner

Compartment: 247  
Year of Entry: 2018

### Availability for Management

Total	Acres	<b>Acres Avail</b>	Acres
Acres	Available	<b>With Condition</b>	Not Available

### Dominant Site Conditions

3F

103	0	<b>0</b>	103	Lowland Shrub	103
1712	0	<b>0</b>	1712	Upland Shrub	1,712
41	41	<b>0</b>	0	Water	
1,856	41		1,815	Total Forested Acres	1,815
	2%		98%	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	3F: Military easement / lease	103	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	3F: Military easement / lease	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	3F: Military easement / lease	1,682	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



**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
	Potential Old Growth		SCA Removal	102
<b>Comments</b>				
Range 40, Doesn't meet criteria				





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

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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.
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. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.

S  
t  
a  
n  
d

Mgt. Unit

### Report 7 – Forested Stands

Compartment:  
Year of Entry:



Level 4  
Cover Type

Size  
Density

Acres

Stand  
Age

BA  
Range

General  
Comments:

---

#Type!

---





Stand	Cover Type	Acres	Managed Site	General Comments:
1	622 - Lowland Shrub	102.6	No	Within fenced high-impact air-to-ground bombing Range 40 Complex -- No access, has not been field inventoried this or previous two YOE's. Appears to be a marsh/bog type, with periodic flooding seen in older aerial imagery.
2	3205 - Mixed Upland Shrub	30.4	No	Within fenced high-impact air-to-ground bombing Range 40 Complex -- No access, has not been field inventoried this or previous two YOE's. Appears to be a U/G type, between the marsh/bog and Barnes Lake.
3	500 - Water	40.6	No	Within fenced high-impact air-to-ground bombing Range 40 Complex -- No access, has not been field inventoried this or previous two YOE's. Barnes Lake.
4	3205 - Mixed Upland Shrub	1681.9	No	OPIC - FMD: Within fenced high-impact air-to-ground bombing Range 40 Complex -- No access, has not been field inventoried this or previous two YOE's. U/G type, based on '98 imagery. The Range burns regularly, so the U-type may be primarily grass at this time. Stands 104 & 204 were split off of Stand 4 (originally 1400+ acres) to accommodate OIPC software limitations (maximum stand size the database can accept is 999 acres).