



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72255

Entry Year 2018

Acreage: 1,884

County Crawford

Management Area: Camp Grayling

Revision Date: 2016-07-19

Stand Examiner: Thomas Barnes

Legal Description:

T27N R02W, Sections 19, 20 & 21. Crawford Co. Grayling Twp.

Identified Planning Goals:

The primary goal is to provide for military training while maintaining forest health, productivity, species and structural diversity, and sustainability throughout the compartment where access is possible. Fenced military training area (Range 30) encompasses all of section 19 and the west half of section 20. These areas do not have public access and have limited access for management.

Soil and topography:

Compartment has gently rolling to hilly terrain throughout and the soil types include Roselawn sand and some Grayling sand.

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

The compartment is solid state and military board land. The compartment is also surrounded by solid state and military board land. Primary uses in and around the compartment is military training.

Unique Natural Features:

A northern fen has been identified within the MPRC. Hills thistle and rough fescue, plants of special concern, have been identified with the fenced range and there is potential for additional pine barrens species here, such as Alleghany plum, dusted skipper, and red-legged spittlebug.

Archeological, Historical, and Cultural Features:

None.

Special Management Designations or Considerations:

Military training.

Watershed and Fisheries Considerations:

Kyle lake, a small lake, lies within fenced range in Sect 7 to the north of this compartment. A fen lies in Section 19.

Wildlife Habitat Considerations:

Priority wildlife species to maintain habitat for include White-tail Deer and Ruffed Grouse.

Mineral Resource and Development Concerns and/or Restrictions

No oil/gas development exists within the compartment and the compartment is designated as non development. Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Marshall Sandstone. The Marshall was previously used as a building stone. A gravel pit is located one mile to the northwest and potential is good. The Compartment is located five miles west of Conner's Marsh Field. The field has produced over 20 Bcf gas from the Ordovician Prairie du Chien. There are no oil and gas leases in this compartment, as it is in the Military Affairs area.

Vehicle Access:

Stephan bridge road, a county road, provides access to the compartment, with the exception of Range 30. Two tracks that extend east from Stephan Bridge Road traverse along the north and south borders of the compartment and end at the tank trail on the east end of the compartment. Several other trails extend east and west, north and south, and diagonally across the compartment also. A designated tank trail (sandy wide trail road) runs along the fenced boundary of Range 30.

Survey Needs:

None.

Recreational Facilities and Opportunities:

Dispersed recreational opportunities exist within the compartment, east of Stephan Bridge Road which include hunting, berry picking and snowmobiling. No designated recreation trails or facilities exists within the compartment.

Fire Protection:

Fire protection falls under the jurisdiction of the Grayling Volunteer Fire Department, Camp Grayling and the Michigan Department of Natural Resources. Kyle Lake, within side Range 30 and in section 18 of the compartment is the closest water source. Wild fires are likely to occur within this compartment due to the heavy use by the military in the spring and summer months and from ordinances that may skip off of the range.

Additional Compartment Information:

None.

The following reports from the Inventory are attached:

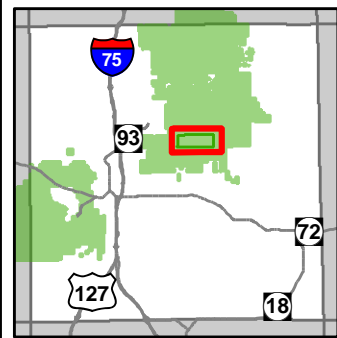
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

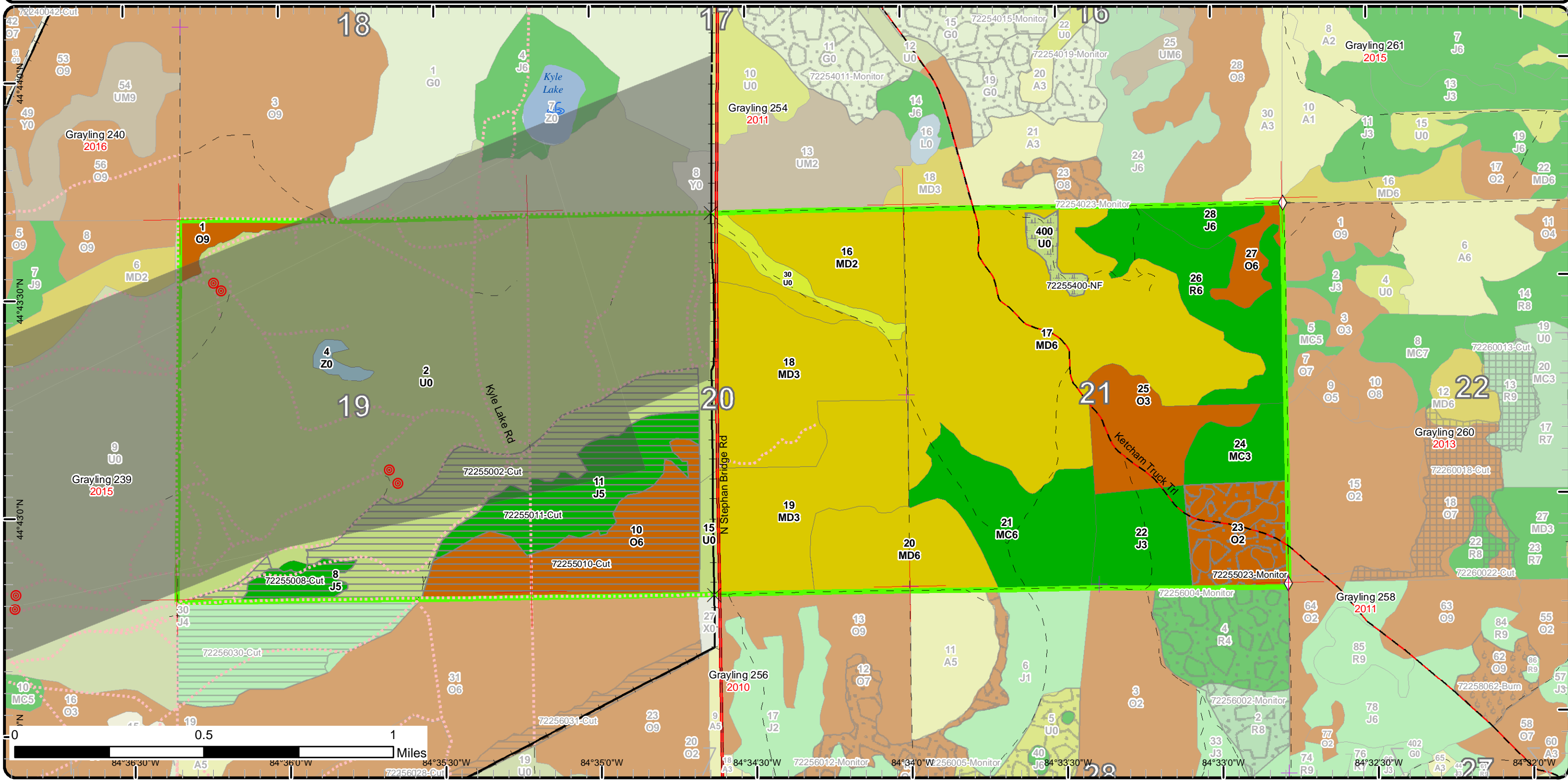
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 255
 T27N, R02W, Sec: 19-21
 County: Crawford
 Unit: Grayling
 Mgmt Area: Camp Grayling
 YOE: 2018
 Acres: 1884 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/9/2017
 Map Phase: Post-Review

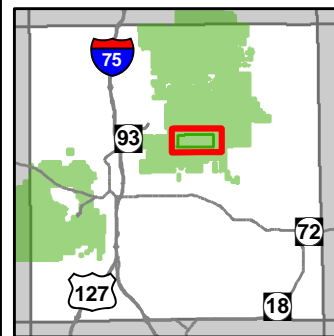


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- OFS Hydro
- County Gravel Roads
- County Poor Dirt Roads
- - Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Clearcut (w/Reserves)
- Other Treatment - See Comments
- Regeneration Survey
- 412 - Oak Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- Lakes
- ⊙ Camp Grayling Firing Point
- ✕ Camp Grayling Gates
- Camp Grayling Fence
- Camp Grayling Range Area

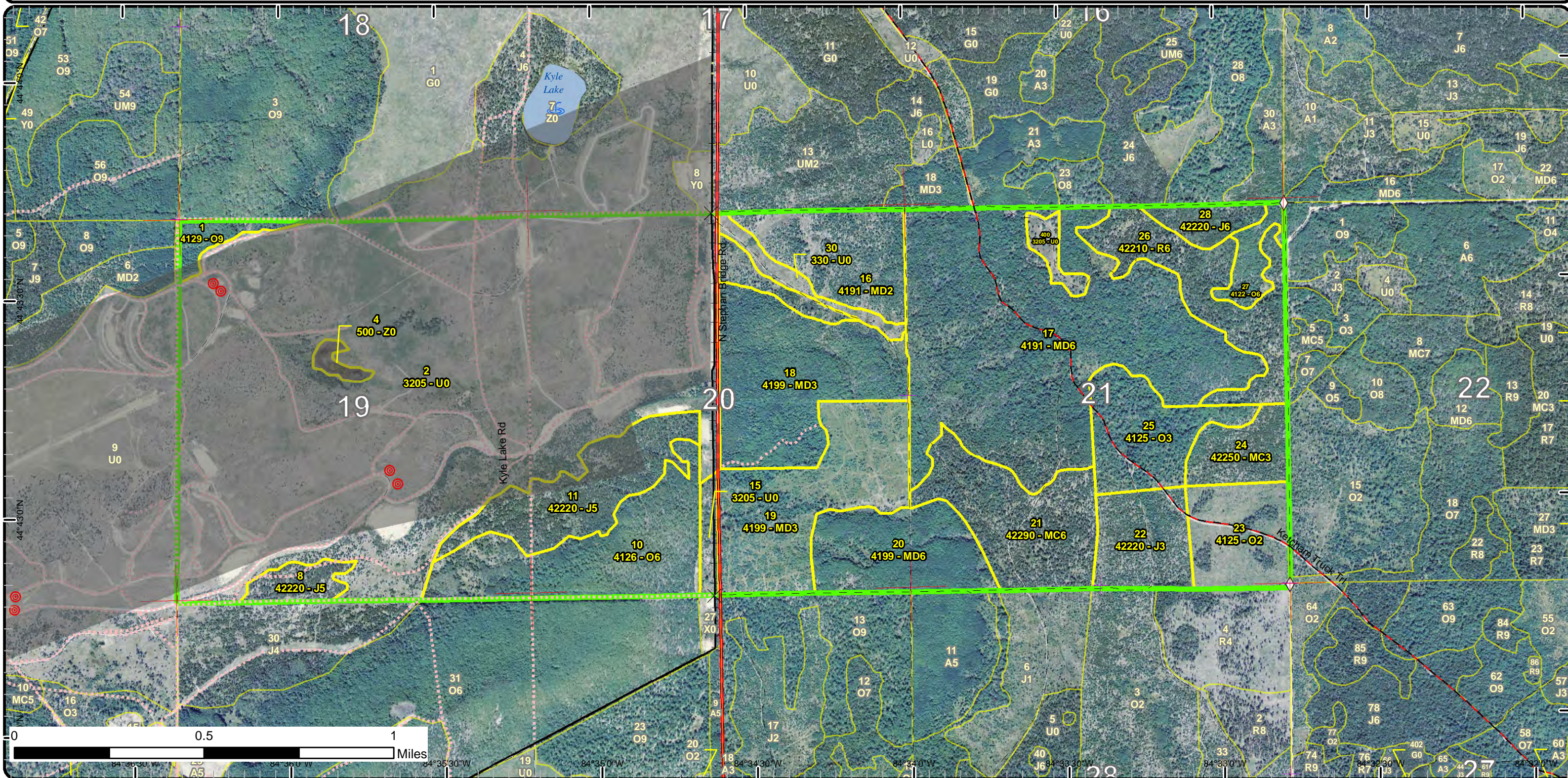


Stand Boundary Map

Compartment: 255
 T27N, R02W, Sec: 19-21
 County: Crawford
 Unit: Grayling
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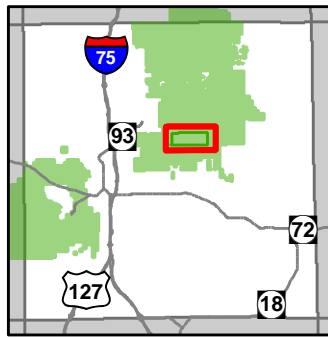
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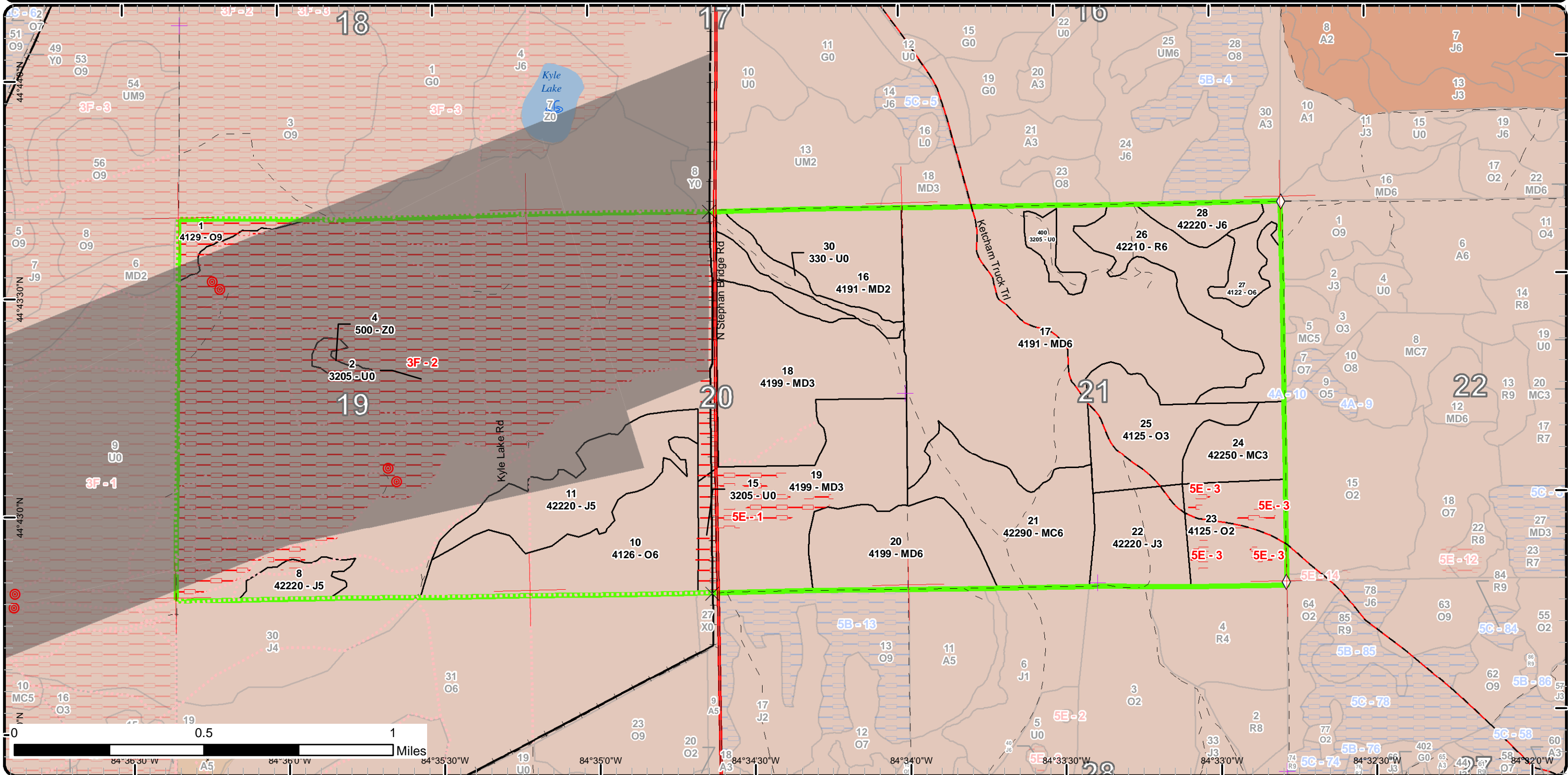
84°36'30"W 84°35'30"W 84°34'30"W 84°33'30"W 84°32'30"W 84°31'30"W 84°30'30"W 84°29'30"W 84°28'30"W 84°27'30"W

Special Conservation Areas & Site Conditions Map

Compartment: 255
 T27N, R02W, Sec: 19-21
 County: Crawford
 Unit: Grayling
 Mgmt Area: Camp Grayling
 YOE: 2018
 Acres: 1884 GIS Calculated
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- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- OFS Hydro
- County Gravel Roads
- County Poor Dirt Roads
- - - Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- - - Unavailable
- - - 3F: Military easement / lease
- - - 5E: Long-Term Retention
- Stand Boundaries
- Research, Development, and Military Lands
- Sand or Gravel Pit
- Sand or Gravel Pit
- Other Habitat Area
- Camp Grayling Firing Point
- Camp Grayling Gates
- Camp Grayling Fence
- Camp Grayling Range Area





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
Jack Pine	0	0	0	41	0	0	96	0	0	0	0	0	0	0	0	0	0	0	137
Low-Density Trees	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	97	70	106	62	272	0	0	0	0	0	0	0	0	0	0	0	0	607
Natural Mixed Pines	0	0	0	29	75	0	0	0	0	0	0	0	0	0	0	0	0	0	103
Oak	0	46	53	0	15	0	0	0	0	0	104	0	0	0	0	0	0	0	217
Red Pine	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	65
Upland Shrub	737	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	737
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	756	143	123	176	152	272	161	0	0	0	104	0	0	0	0	0	0	0	1885



Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 255

Total Compartment Acres: 1,884

Commercial Harvest - 272
 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	79	0	0	0	0	0	0	0	0	79
Oak	92	0	0	0	0	0	0	0	0	92
Upland Shrub	102	0	0	0	0	0	0	0	0	102
Total	272	0	0	0	0	0	0	0	0	272

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	272	0	0	0	0	39	0	9		320
Next Step	0	0	0	0	0	0	272	0		272
Total	272	0	0	0	0	39	272	9		592



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
2	72255002-Cut	101.9	3205 - Mixed Upland Shrub	Nonstocked		Unspec ified	Harvest	Clearcut	320 - Upland Shrub		Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear cut all trees, chip all tops and low stumps for military operations.

Specs:

Next Step Other, Other

Treatments:

Acceptable NA

Regen:

Other

Comment:

Proposed Start Date: 10/23/2015

8	72255008-Cut	14.0	42220 - Natural Jack Pine	Poletimber Medium	52	1-50	Harvest	Clearcut	310 - Herbaceous Openland		Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut all trees, chip all tops and low stumps for military operations.

Specs:

Next Step Other, Other

Treatments:

Acceptable NA

Regen:

Other

Comment:

Proposed Start Date: 10/23/2015

10	72255010-Cut	91.7	4126 - White, Black, N. Pin Oak	Poletimber Well	99	51-80	Harvest	Clearcut	320 - Upland Shrub		Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut all trees, chip all tops and low stumps for military operations.

Specs:

Next Step Other, Other

Treatments:

Acceptable NA

Regen:

Other

Comment:

Proposed Start Date: 10/23/2015

11	72255011-Cut	64.6	42220 - Natural Jack Pine	Poletimber Medium	52	1-50	Harvest	Clearcut	320 - Upland Shrub		Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut all trees, chip all tops and low stumps for military operations.

Specs:

Next Step Other, Other

Treatments:

Acceptable NA

Regen:

Other

Comment:

Proposed Start Date: 10/23/2015



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
23	72255023-Monitor	38.5	4125 - Black, N. Pin Oak	Sapling Medium	6	Immature	Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription Monitor following timbersale.
Specs:

Next Step
Treatments:

Acceptable Stand should regenerated to an oak with mixed associated species meeting minimum stocking levels.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2015

400	72255400-NF	9.0	3205 - Mixed Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, brushing, tree and shrub planting, Rx burning and herbicide application.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

Total Treatment Acreage Proposed: 319.7

Report 4 – Site Conditions

Grayling Mgt. Unit

Thomas Barnes : Examiner

Compartment: 255

Year of Entry: 2018

Availability for Management

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

Dominant Site Conditions

3F 5E

133	132	0	1	Jack Pine	1	
14	14	0	0	Low-Density Trees		
601	584	0	17	Mixed Upland Deciduous		17
102	102	0	0	Natural Mixed Pines		
208	189	0	20	Oak	12	7
65	65	0	0	Red Pine		
734	110	0	624	Upland Shrub	624	
5	0	0	5	Water	5	
1,861	1,195		667	Total Forested Acres	643	24
	64%		36%	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	5E: Long-Term Retention	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from timbersale 72-647-08-01							
2	Unavailable	3F: Military easement / lease	643	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Range 30 Complex							
3	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention left from timber sale 72-645-08-01.							

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



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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4129 - Mixed Oak	Sawtimber Well	12.1	99	81-110	Fenced MPRC Range 30. Stand is adjacent to active military gun ranges . . (estimated from imagery). OPIC - FMD: 2006 Note: Small mature Oak stand located in the northwest corner of section 19 and within the Range 30 impact area (Tank Range). Stand is smaller than previous compartment exam because of military expansion and development of the range. Stand is within fenced area under long term lease by the National Guard and access would be limited or no access at all. SCA in accordance to 2006 compartment review.
8	42220 - Natural Jack Pine	Poletimber Medium	15.0	52	1-50	OPIC - FMD: Small mature Jack Pine stand within the Range 30 complex. Under long term military lease. Little or no access without the National Guards permission. Used old data from previous inventory. This stand is likely have had fire through it in the passed not to mention tank traffic. SCA in accordance of the 2006 compartment review
10	4126 - White, Black, N. Pin Oak	Poletimber Well	91.7	99	51-80	OPIC - FMD: Large mature Oak stand within the Range 30 complex. Some Jack Pine scattered throughout the stand. Stand also continue into the compartment to the south, which is also located within the complex. Under long term military lease. Little to no access without the permission of the National Guard. Used old data from previous inventory. Stand has possibly had fire and tank traffic throughout it in the pass and present. SCA in accordance to the 2006 compartment review.
11	42220 - Natural Jack Pine	Poletimber Medium	64.6	52	1-50	OPIC - FMD: Large mature Jack Pine stand within the Range 30 complex. Under long term military lease. Little or no access without the permission of the National Guard. Used old data from previous inventory. Stand has more than likely seen fire throughout it in the past. Tank traffic also. SCA in accordance to the 20006 compartment review.
16	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	69.8	18	Immature	Down range block cut 1999 as per Military request, contract #019-98-01. Sparse stand of mix oak, jack pine, and aspen. Grass is the dominate ground cover. OPIC - FMD: Down range block cut 1999 as per Military request, cut two inch and over, do not replant to pine, contract #019-98-01 Military long-term leased. West side of stand border Stephan Bridge Road. Two track traverses along the north side of stand and a two track traverses through the middle of the stand. Stand terrain is rolling, ridge top have oak regeneration and valley have Jack Pine regeneration, but somewhat sparse.
17	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	271.6	40	81-110	Heinz 57 stand in species and size class, mainly oak and red maple. Most of stand is pole sapling with scattered log trees of all species, stumped sprout regen larger dbh's. Roughly 10 BA is overstory trees. 10 BA plots were taken stand average was 84, species totals were 28 oak, 28 r maple, 10 aspen, 13 j pine and 5 r pine. Stand can be held for another ten years. OPIC - FMD: Large mixed stand of Oak, Red Maple, Aspen and Jack Pine Immature at this time. Has just reached into pole timeber size with scattered pockets and individual trees throughout the stand. Understory consists of a mixes also. That of Oak, Aspen, Red Maple and Jack Pine. Stand is under long term military lease. Ketchum Truck Trail traverses through the east half of stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4199 - Other Mixed Upland Deciduous	Sapling Well	105.8	27	Immature	<p>Sale was harvested in 1990, under contract 72-035-88-01. Very dense stand of sapling and pole sized stems with a few scattered red and jack pine. There are single species pockets throughout the stand was well, most oak and red maple. Aspen is found within this stand.</p> <p>OPIC - FMD: Small Immature Oak stand mixed with Red Maple and Aspen. A few scattered Red and Jack Pine throughout the stand. West side of stand borders Stephan Bridge Road. 2-3 Inch avg dia. And 12-15 foot tall. Stand is under long term military lease.</p>
19	4199 - Other Mixed Upland Deciduous	Sapling Well	96.8	7	Immature	<p>Stand was final harvested under contract 726470801 Fall Color Oak. Young stand, majority of stand is regenerating well, however, pockets of sparse regen. Canopy closure will be close to 75 percent. There is a pocket of retention that was left from the previous sale that is included in this stand.</p> <p>OPIC - FMD: Large mature Oak stand with an O1/M1 understory. Thinned in 1999, under timbersale contract #07-98-01 Stephan 20 thin. Stand is under long term military lease and west side of stand borders Stephan Bridge Road. Will accept a mix of regeneration, such as Red Maple, Aspen and Pine along with the Oak. Recommend a final harvest with 1acre patches scattered throughout the total acreage of the stand. ((1 island per 5 acres)). This retention is for structural diversity and military blockage. Use military restrictions in sale prep and contract. Stand was final harvested under contract 726470801 Fall Color Oak. Everything above 4.5 inch was cut except 19 acres of retention left in island within the sale area.</p>
20	4199 - Other Mixed Upland Deciduous	Poletimber Well	62.4	38	Unspecified	<p>Young stand of aspen, oak and maple. Stand is pole to sapling with fairly equal distribution. Oak and maple stems primarily stump sprouts and clumps.</p> <p>OPIC - FMD: Immature Oak\Aspen stand. Under long term military lease. Two track trail borders the south side of stand and another two track traverses north and south through the stand.</p>
21	42290 - Natural Mixed Pine	Poletimber Well	75.0	37	1-50	<p>Fairly low density stand of jack pine, mixed oak and red pine. Pockets of red pine with 4-6 stick stems. Ground cover is blueberry, bracken fern and grass. North end higher stem density.</p> <p>OPIC - FMD: Predominantly an immature Jack Pine stand with a scattered overstory of Red and Jack Pine. The immature Jack Pine in the understory is closely approaching pole size. Found on rolling terrain. North end of stand has mor O2/A2 in the understory. Also at the northend of the stand is a small pocket of White Pine, Red Pine and Aspen. Average diameter of 8 inches and 2-4 sticks in height. J2 that's in the understory is mixed with a fair amount of O2 in pockets. Stand is under long-term military lease. Featuring overstory this inventory period apposed to previous inventory that featured the understory(J2). Stand is actually a R4J4J2 stand.</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42220 - Natural Jack Pine	Sapling Well	41.0	27	Immature	<p>Cut the same time as stand 24, in 1990. Open grown stand with bushy trees. Red pine is pole/log but short with heavy crowns. Ground cover is blueberry, sweet fern and grass.</p> <p>OPIC - FMD: Immature stand of Jack Pine and Oak. About 50-50 Jack Pine and Oak. There is about 10 BA of Oak, Jack Pine, Red Pine and White in the overstory, scattered throughout the stand. Stand is leased long term by the military. Two two track trails traverse through portions of the stand. The one to the east is Ketchum Truck Trail. Two track trail also borders the south end of the stand.</p>
23	4125 - Black, N. Pin Oak	Sapling Medium	46.4	6	Immature	<p>Stand harvested in 2011. Naturally regenerating fairly well. Majority of oak is stump sprouts. It appears stand will pass the regen survey for an Oak MO, however, sprouts not tall enough to be counted. Leaving regen treatment on for recheck.</p> <p>OPIC - FMD: Forty acre stand of Jack Pine mixed with Oak and Red Pine. Two aged stand with an understory of O2J1R1. Under long-term military leased. Recommend final harvest, but leave pockets(clumps of trees) for structural diversity for wildlife (Wildlife Div.).Protect all Oak and Red Pine regeneration as possible. Use military restrictions in sale prep and contract. Ketchum Truck Trail traverses through the stand. Stand was harvested under contract 726450801 Tank and Ketchum Jack. Harvested in Jan-Feb 2011. No FTP needed.</p>
24	42250 - Pine, Oak	Sapling Well	28.5	27	Immature	<p>Sale was cut in 1990. Young stand naturally regenerating to a mix of jack pine and oak. There are a few log size trees scattered throughout the stand that are not reflected in the inventory.</p> <p>OPIC - FMD: Immature stand of Jack Pine and Oak. About 50-50 Jack Pine and Oak. There is about 10 BA of Oak, Jack Pine, Red Pine and White in the overstory, scattered throughout the stand. Stand is leased long term by the military. Tank trail borders the east side of stand.</p>
25	4125 - Black, N. Pin Oak	Sapling Well	52.5	18	1-50	<p>Stand was thinned in 1999, five BA swings were taken with stand average of 33, individual species were 30 oak and 3 white pine. This residual BA is all log/pole sized trees. This stand has very good advance regeneration of oak and other species with is the predominate canopy.</p> <p>OPIC - FMD: Stephan 20 thin, #07-98-01 thin 1999</p>
26	42210 - Natural Red Pine	Poletimber Well	64.9	56	51-80	<p>Red pine stand mixed with oak and jack pine. 6 BA plots were taken stand average 78, 53 RP, 10 JP, 15 oak. Red pine has heavy crowns with 1/2 or more of height in crown. Good oak regen with rolling terrain. Hold for another 10 years.</p> <p>OPIC - FMD: Mix stand of Jack Pine, Oak and Red Pine. Understory is J2 (natural) When last harvested or possibly burn all Jack Pine was removed except for Red Pine and Oak. Jack Pine has regenerated naturally.</p>

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Grayling Mgt. Unit

Report 7 – Forested Stands

Compartment: 255
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	4122 - Oak, Pine	Poletimber Well	14.6	38	51-80	<p>Mixed stand of pole size oak with red pine of pole and log size. Appears red pine was left from prior harvest along with a few log sized oak, stand was harvested in 1979. There are pocket of dense advance oak regeneration and well as areas with low density trees (SE area). Three BA swings were taken with stand average at 59 and individual species of 43 oak, 16 red pine. Rolling terrain.</p> <p>OPIC - FMD: Immature Red Pine stand mixed with Oak. O2 understory. I believe Red Pine was left when last treated. North end of stand is more of an Oak component.</p>
28	42220 - Natural Jack Pine	Poletimber Well	15.5	55	51-80	<p>Pole stand of primarily jack pine. Heavier to oak and aspen on northern edge next to 2 track. Some red pine scattered throughout. Three BA swings were taken with a stand ave of 62 and individual species of 43 j pine, 13, oak, and 6 red pine. Rolling terrain and sweet fern dominate ground cover.</p> <p>OPIC - FMD: Small immature Jack Pine stand. Understory consists of J2/O1. Ground cover consists of sedges, Braken fern and wintergreen. Some blueberry. Found on side slope and ridge top (North facing slope/steep). Military leased lands.</p>



Stand	Cover Type	Acres	Managed Site	General Comments:
2	3205 - Mixed Upland Shrub	718.8	No	Fenced MPRC Range 30. Stand is a large actively-used, regularly burned opening with a mosaic of non-forest covertypes: sand/soil, upland herbaceous, upland shrub & low density tree. (estimated from imagery). OPIC - FMD: Large upland brush/grass stand located within the Range 30 Complex (Tank Range - fenced). Stand is under long term lease by the National Guard (Military). Stand consists of scattered pocket of Oak, Jack Pine and Aspen regeneration and scattered pockets of open grassy areas. Stand has been burn over several times in the past and will more than likely burn in the future over and over. Barried lines for electronic targets exist throughout the stand along with several two tracks and tank trails. No or limited access by FMFM. No plow zone and under military supervision for any fire suppression assistance. SCA in accordance to 2006 compartment review.
4	500 - Water	5.3	No	Fenced MPRC Range 30. Small wet area with occasional standing water. Stand is a large actively-used. (estimated from imagery). OPIC - FMD: Small water hole/swamp within side the Range 30 complex. Stand is under long term lease with the National Guard. This stand is surrounded by stand 5 (Jack Pine stand). SCA in accordance to the 2006 compartment review.
15	3205 - Mixed Upland Shrub	9.3	No	Report generated from outside the fence. See old OI comments, part of Range 30 Complex. OPIC - FMD: Fuel Break along Stephan Bridge Road. Within the Range 30 fence. Stand consists of upland brush/grass with a few scattered Jack Pine and Oak saplings. Under long term military lease. SCA in accordance to the 2006 compartment review.
30	330 - Low-Density Trees	13.6	Yes	Open area in valley sandwiched between two hillsides of poor formed open grown saplings. OPIC - FMD: Down range block cut 1999 as per Military request, cut two inch and over, do not replant to pine, contract #019-98-01 Military long-term leased. West side of stand border Stephan Bridge Road. Two track traverses along the north side of stand and a two track traverses through the middle of the stand. Stand terrain is rolling, ridge top have oak regeneration and valley have Jack Pine regeneration, but somewhat sparse.
400	3205 - Mixed Upland Shrub	9.0	No	Opening with warm season grasses and scattered trees. OPIC - FMD: OI Stand Year Origin was