



**GRAYLING FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW RESENTATION**

COMPARTMENT # 256 ENTRY YEAR: 2010

GIS Compartment Acreage: 1895 County: Crawford

Revision Date: September 12, 2008

Stand Examiner: Craig Farrer

Legal Description: T27N R02W Section 28, 29 & 30.

Management Goals: To provide an area that allows for National Guard training while maintaining forest health, productivity, sustainability, species diversification, and structural diversity within the compartment. A fenced military training area is located in the northwest part of the compartment and is inaccessible for general forest management purposes.

Soils and Topography: Generally flat terrain with some rolling hills in the N1/2 of section 30. Soil types consist primarily of Grayling sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land leased by the National Guard with some Military Board Lands. Part of Sections 29 and 30 are fenced off by the National Guard for Range 30. The rest of the compartment is also used by the National Guard for training.

Unique, Natural Features: Compartment contains Alleghaney plum, a species of special concern.

Archeological, Historical, and Cultural: None

Special Management Designations or Considerations: Michigan National Guard Range 30 Complex. Protect the Alleghaney plum, and work with the Military on summer training and Range 30 firing schedules.

Watershed and Fisheries Considerations: None

Wildlife Habitat Considerations: Maintain existing and preferred types for ruffed grouse, white-tailed deer, wild turkey and squirrel.

Mineral Resource and Development Concerns and/or Restrictions: 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 used as a building stone elsewhere in the State. A gravel pit is located three miles to the northwest and potential is good. Currently, there are no oil and gas leases in this compartment.

Vehicle Access: The trails are used periodically by the National Guard. The trails are primarily located in section 28 and along the range fence in sections 29 and 30. Stephan Bridge Road runs north and south through the compartment and is gated when military training is occurring.

Survey Needs: None

Recreational Facilities and Opportunities: No designated recreational facilities or trails exist within the compartment, but there are recreational opportunities such as hunting, mushrooming and wildlife watching when military training is not occurring.

Fire Protection: Fire protection falls under the jurisdiction of the Grayling Volunteer Fire Department, Camp Grayling Fire Department and the Michigan Department of Natural Resources. Kyle Lake, inside the MPRC (Range 30) in section 19, is the closest water source. With permission of the military, this water source is accessible. Wildfires are likely to occur within this compartment due to the heavy military use in the spring and summer months.

Additional Compartment Information: This compartment is inaccessible to the public during military training in the spring and summer months. Stephan Bridge Road and other two-track roads are gated during this time.

LOTS Compartment Acreage: 1885

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

CRAWFORD COUNTY

COMPARTMENT: **256**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	11512 Cds	Hardwood	1886 Cds
Hardwood	1861 Mbf	Hardwood	517 Mbf
Softwood	3289 Cds	Softwood	2116 Cds
Softwood	776 Mbf	Softwood	413 Mbf
Sum TotVol	20075 Cds	Sum CutVol	5862 Cds
Total Cmpnt Acres		Acres Proposed For Cut.....	326
1895			

GRAYLING FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 256 Entry Year: 2000

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
2	R9	22	75	54	red pine	immature	thinning	1		
comnts Fmd : 2008 Notes: Red Pine stand. Military lease land. Recommend thinning stand to 90BA. Treat with stand 4 to the north.										
4	J6	60	62	47	red pine	mature	final harvest	1	natural regeneration	
comnts Fmd : 2008 Notes: Jack pine stand mixed with Red Pine and some Oak. Final harvest/ Cut all Jack Pine and Oak and leave all the Red Pine. Also leave two 4 acre patches within the stand on the northwest side and on the southeast side for retention. Prescribe burn possibly after harvest to promote Red Pine, Oak and Jack Pine natural regeneration. Military leased land.										
Old notes: SOME JP AGE 70+ WITH DEAD										
TOPS, AREAS OF J2J4.										
5	J6	73	58	47	jack pine	mature	final harvest	1		
comnts Fmd : 2008 Notes: Jack Pine stand. Recommend final harvest, but leave some 1 acre patches for retention and diversity scattered throughout the stand. Alleghany Plum is a special concern within this stand. Military leased lands.										
12	O9	65	86	51	oak	mature	seed tree	1		
comnts Fmd : Oak, Red Maple and Jack Pine stand. M1 understory. Recommend a seed tree cut. Leave about 20BA of Red and White Oak and remove the remaining species. Hope for Oak regeneration, but will accept a mixture of species. Military leased land.										
14	O9	14	86	50	oak	mature	final harvest	1		
comnts Fmd : 2008: Mature Oak stand. Stand borders Stephan Bridge Road.(east-side). Recommend final harvest, but leave 1 or 2 1 acre patches for retention and visual management. Manage for Oak naturally and what ever other species regenerates. Military leased lands.										
16	O9	70	83	56	oak	mature	selection	1		
comnts Fmd : 2008 Notes: Mature stand of Oak mixed with Aspen and Red Maple. Heavy National Guard use in the southend of stand. Stand is under long term military lease. Recommend selection cut, removing all Aspen, Red Maple and any other species other than Oak. Leave All Oak. Goal is 50 BA. Leave residual heavier along the trails to discourage off road military use. Allegheny Plum is a special concern in this stand.										
19	O9	22	80	45	oak	mature	final harvest	1		
comnts Fmd : 2008 Notes: This stand was part of stand 23 previously and was not cut with stand 23. Recommend final harvest with 1 acre retention patches within the stand. Should regenerate naturally to an Aspen, Oak and Red Maple stand.										
Total Acres.....		326								

**Proposed Treatments
With Limiting Factors**

Compartment: 256

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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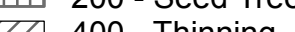


TREATMENT LIMITING FACTORS:

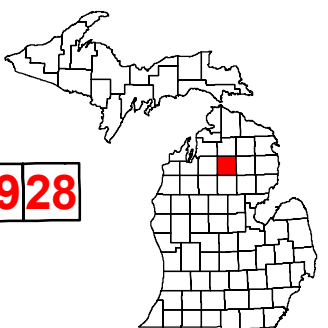
Total Acres..... 0

Cover Type and Treatment

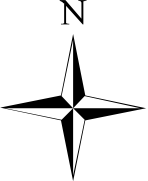

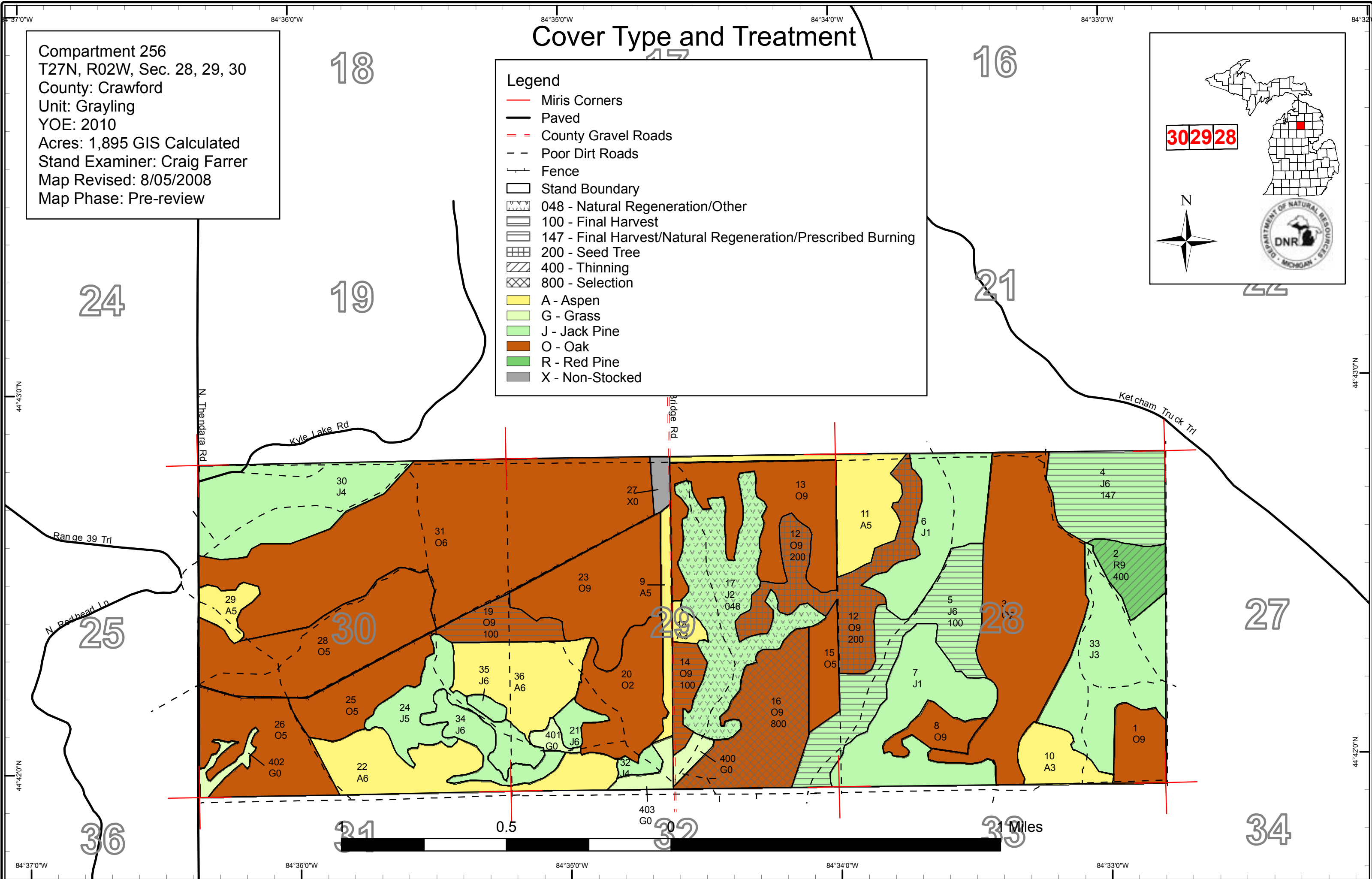
Compartment 256
 T27N, R02W, Sec. 28, 29, 30
 County: Crawford
 Unit: Grayling
 YOE: 2010
 Acres: 1,895 GIS Calculated
 Stand Examiner: Craig Farrer
 Map Revised: 8/05/2008
 Map Phase: Pre-review

Legend

- Miris Corners
- Paved
- = = County Gravel Roads
- - Poor Dirt Roads
-  Fence
-  Stand Boundary
-  048 - Natural Regeneration/Other
-  100 - Final Harvest
-  147 - Final Harvest/Natural Regeneration/Prescribed Burning
-  200 - Seed Tree
-  400 - Thinning
-  800 - Selection
- A - Aspen
- G - Grass
- J - Jack Pine
- O - Oak
- R - Red Pine
- X - Non-Stocked



302928

Dedicated & Proposed Special Conservation Area Map 6

Compartment 256
T27N, R02W, Sec. 28, 29, 30
County: Crawford
Unit: Grayling
YOE: 2010
Acres: 1,895 GIS Calculated
Stand Examiner: Craig Farrer
Map Revised: 8/05/2008
Map Phase: Pre-review

Legend

- Miris Corners
- Stand Boundary
- Dedicated SCA**
- Research, Development, and Military Lands

30 29 28

N

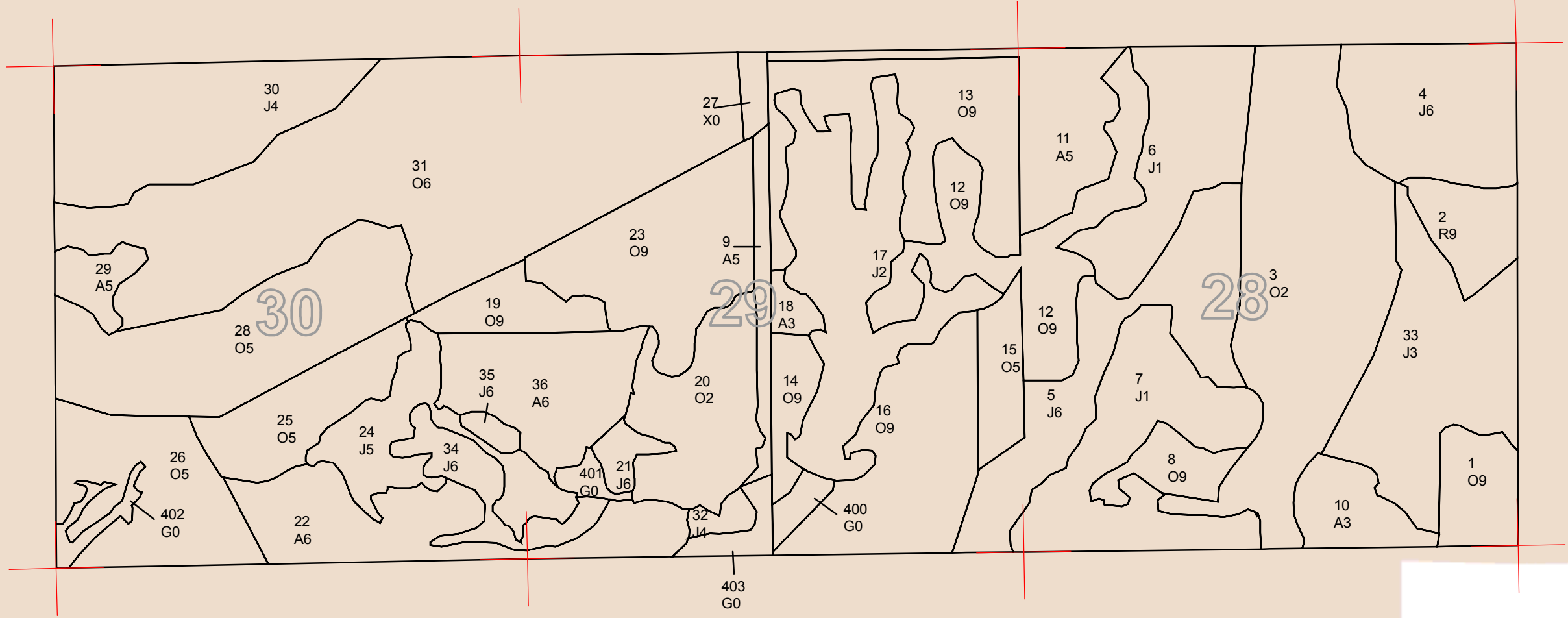
DNR
DEPARTMENT OF NATURAL RESOURCES
MICHIGAN

24

19

20

21



25

30

29

28

27

36

31

32

33

34



84°37'0"W 84°36'0"W 84°35'0"W 84°34'0"W 84°33'0"W

44°43'0"N

44°43'0"N

44°42'0"N

44°42'0"N



DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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.