



GRAYLING FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 263 ENTRY YEAR: 2012

GIS Compartment Acreage: 1792 County: Crawford

Revision Date: 9/7/2010

Stand Examiner: Craig Farrer

Legal Description: T27N, R02W Sections 1, 2 and 3, Grayling Township.

Management Goals: To provide an area that allows for National Guard training while maintaining forest health, productivity, sustainability, species diversity and structural diversity throughout the compartment. To provide multiple-use of the land while also incorporating any visual management needed.

Soils and Topography: Soil types, within this compartment consist of Grayling sands, Roselawn sands and Rifle peat.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is solid state ownership. The entire 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 (include only non-site specific and non-sensitive information): Hill's Thistle (*Cirsium, hillii*), a State Threatened species, can be seen in this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None recorded at this time.

Special Management Designations or Considerations: Section 1 contains the south part of the Lovell's Fen, an ERA with a designated management plan.

Watershed and Fisheries Considerations: None.

Wildlife Habitat Considerations: To maintain current and preferred forest cover types for deer, bear, turkey, squirrel and grouse.

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 Coldwater Shale. There is not an economic use for the Coldwater Shale. The nearest gravel pit is two and one half miles to the south, and gravel potential is considered good on the upland areas. None of the State land in the compartment is currently leased for oil and gas. This is part of the DMVA active training grounds.

Vehicle Access: This compartment is accessed from Wakely Bridge Road, a county road. Several two tracks branch off this road and wind throughout the compartment. Bald Hill Road, a county road, also provides a point of access to this compartment. All newly created roads within the compartment due to timber harvesting must be blocked following their completion.

Survey Needs: None

Recreational Facilities and Opportunities: There are no designated recreational facilities within this compartment. The compartment does provide for a wide range of dispersed recreational opportunities such as hunting, wildlife viewing and mushroom hunting when the lands are not being used for military training.

Fire Protection: Fire protection is the responsibility of the Michigan DNRE and the Grayling and Lovell's Volunteer Fire Department. Current roads and two tracks are adequate for fire suppression equipment access and the closest water source is Duck Lake and KP Lake.

Additional Compartment Information:

LOTS Compartment Acreage: 1,784 acres

- **The following reports are available:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Proposed Treatment Summaries**
 - ◆ **Dedicated Conservation Area Details**
 - ◆ **Listing of Forested Stands**
 - ◆ **Listing of Non-Forested Stands**
 - ◆ **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, recreation trails and facilities**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Special Conservation areas**

Cover Type & Treatment Map

Compartment 263
 T27N, R02W, Sec. 1, 2, 3
 County: Crawford
 Unit: Grayling
 YOE: 2012
 Acres: 1,792 GIS Calculated
 Stand Examiner: Craig Farrer
 Map Revised: 9/08/2010
 Map Phase: Pre-Review

Legend

- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Trails
- Snowmobile Trails
- Berm
- Gate
- Lakes and Rivers

Forest Stands

- Level 3
- 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 612 - Lowland Coniferous Forest

Non-Forest Stands

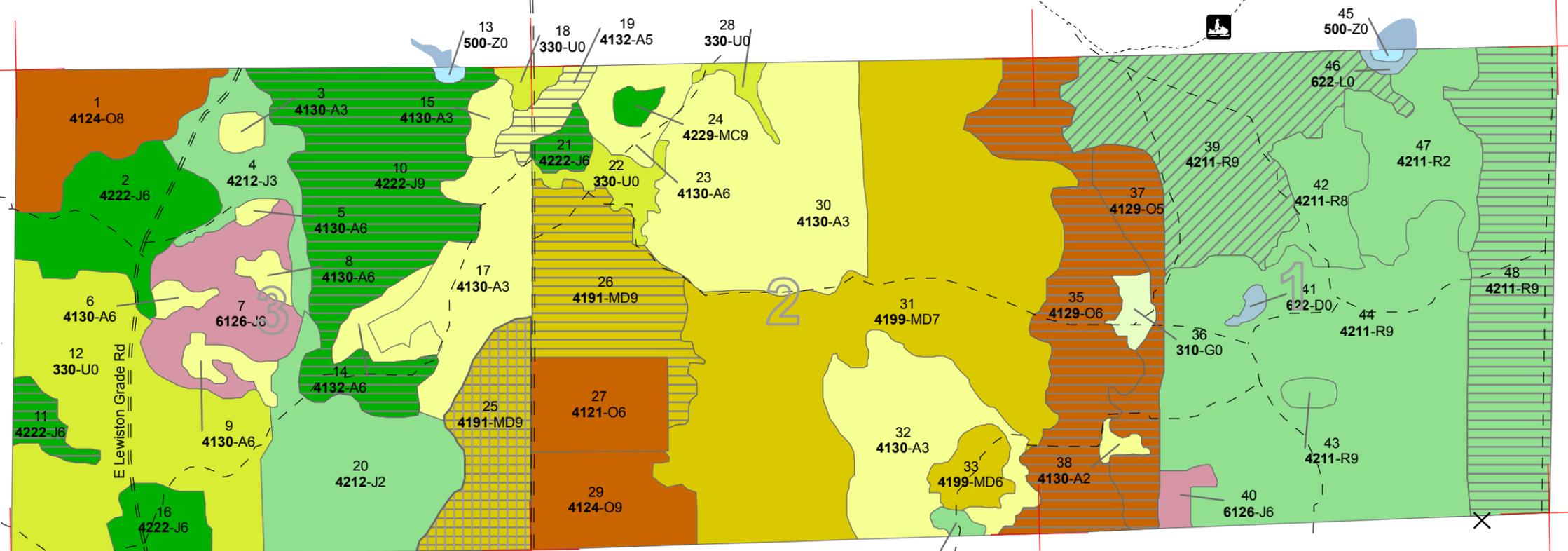
- Level 3
- 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)

Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

3 2 1



84°33'0"W

84°32'0"W

84°31'0"W

84°30'0"W

84°29'0"W

44°47'0"N

44°46'0"N

44°47'0"N

44°46'0"N

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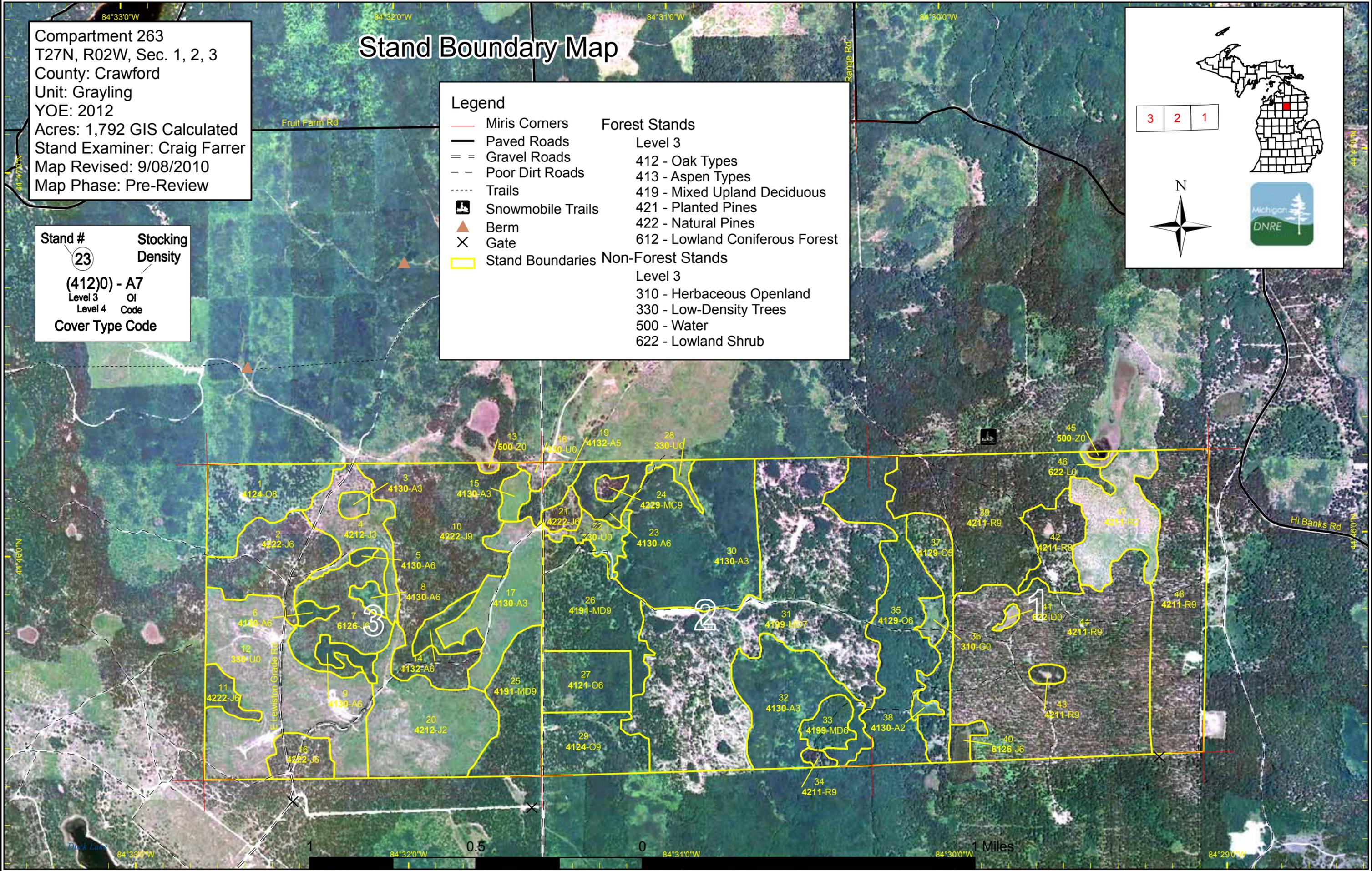
Stand Boundary Map

Legend

- | | | |
|---------|-------------------|---------------------------------|
| — | Miris Corners | Forest Stands |
| — | Paved Roads | Level 3 |
| == | Gravel Roads | 412 - Oak Types |
| - - | Poor Dirt Roads | 413 - Aspen Types |
| - · - · | Trails | 419 - Mixed Upland Deciduous |
| 🚙 | Snowmobile Trails | 421 - Planted Pines |
| ▲ | Berm | 422 - Natural Pines |
| × | Gate | 612 - Lowland Coniferous Forest |
| □ | Stand Boundaries | Non-Forest Stands |
| | | Level 3 |
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Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

3 2 1
 N
 Michigan DNR



Dedicated & Proposed Special Conservation Area Map

Compartment 263
 T27N, R02W, Sec. 1, 2, 3
 County: Crawford
 Unit: Grayling
 YOE: 2012
 Acres: 1,792 GIS Calculated
 Stand Examiner: Craig Farrer
 Map Revised: 8/11/2010
 Map Phase: Pre-Review

Legend

- Miris Corners
- Stand Boundaries
- Dedicated Special Conservation Areas
- Research, Development, and Military Lands
- Ecological Reference Areas

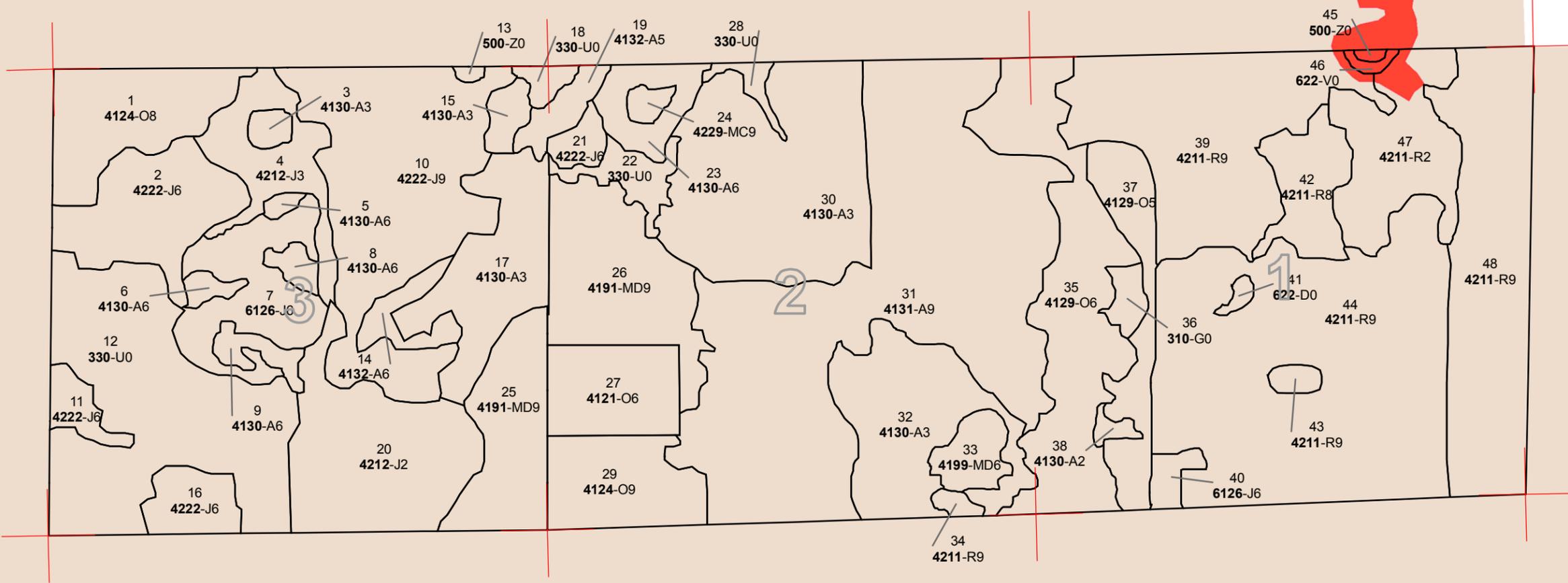
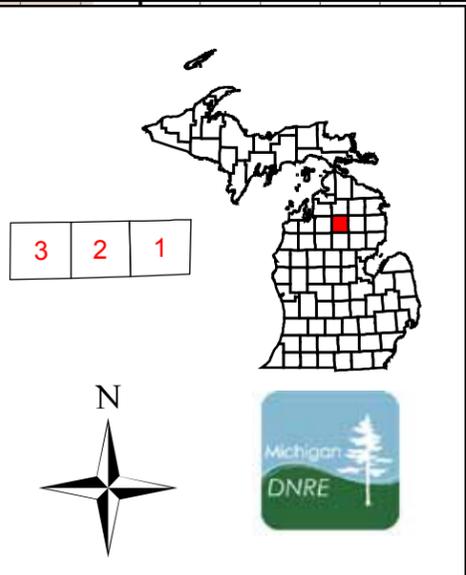
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- 412 - Oak Types
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Stand # **Stocking Density**
23
(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



84°33'0"W 84°32'0"W 84°31'0"W 84°30'0"W 84°29'0"W

44°47'0"N

44°46'0"N

44°47'0"N

44°46'0"N

Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Unre/en Age
Aspen	0	54	80	133	0	0	0	9	0	0	0	0	0	0	0	277
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Jack Pine	0	0	100	0	0	0	191	40	0	0	0	0	0	0	0	331
Low-Density Trees	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	135
Lowland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	233	0	111	0	0	0	0	0	0	344
Natural Mixed Pines	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Oak	0	0	0	32	0	0	35	43	119	0	0	0	0	0	0	229
Red Pine	0	0	47	0	0	0	289	125	0	0	0	0	0	0	0	462
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	147	54	227	165	0	0	0	762	208	230	0	0	0	0	0	1792



Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Grayling Mgt. Unit
Year of Entry 2012

Compartment 263
Total Compartment Acres: 1792

Acres by Treatment Type

Commercial Harvest - 545	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	9	0	0	0	0	0	9
Jack Pine	125	0	0	0	0	0	125
Mixed Upland Deciduous	58	0	41	0	0	0	98
Oak	119	0	0	0	0	0	119
Red Pine	95	0	0	0	98	0	193
Total	406	0	41	0	98	0	545

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Data updated before 2:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10 72263010-Cut	110.1	42220 - Natural Jack Pine	High Density Log	63	Harvest	Clearcut with Reserves	Natural Jack Pine	Cmpt. Review Proposal

Prescription Final harvest stand (four inches and up at DBH). Leave all Red Pine within the stand and leave 4 1 acre patches scattered throughout the stand
Specs: for retention. Military restriction must be apply to stand.

Other
Comments:

Next
Steps:

11 72263011-Cut	8.6	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	61	Harvest	Clearcut	Aspen, Mixed Pine	Cmpt. Review Proposal
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Prescription Portion of this stand is being treated with the adjacent compartment. Stand is under timber sale contract 72-636-09-01 252 Aspen/Jack.
Specs: Remaining portion of the stand not cut is retention.

Other
Comments:

Next Will accept a mix of species that regenerates.
Steps:

19 72263019-Cut	9.3	4132 - Aspen, Jack Pine	Medium Density Pole	61	Harvest	Clearcut	Aspen, Jack Pine	Cmpt. Review Proposal
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Prescription Final harvest stand, but leave no retention because of the size of the stand.
Specs:

Other
Comments:

Next Stand should regenerate naturally to Aspen.
Steps:

21 72263021-Cut	6.4	42220 - Natural Jack Pine	High Density Pole	61	Harvest	Clearcut	Mixed Low Density Trees	Cmpt. Review Proposal
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Prescription Final harvest with no retention.
Specs:

Other
Comments:

Next Should hopefully regenerated to a least a sparse mix of Jack, Aspen Oak, Cherry.
Steps:

25 72263025-Cut	40.9	4191 - Mixed Upland Deciduous with Conifer	High Density Log	82	Harvest	Seed Tree	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription Seed tree cut. Mark to leave 20 BA of Oak scattered throughout the stand. Also leave all Red Pine. Military leased lands, so military restriction
Specs: must be addressed in the sale contract.

Other
Comments:

Next Should regenerate to a mix of species.
Steps:



Data updated before 2:00 PM

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
26 72263026-Cut	57.5	4191 - Mixed Upland Deciduous with Conifer	High Density Log	88	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Final harvest stand, but leave 10 BA of Oak for mast and all Red pine over 10 inches within the stand. Protect as much Oak regeneration as possible within the stand. Military restriction must be applied to this sale.

Other Comments:

Next Steps: Stand should regenerate naturally to a mix of species. Aspen, will probably be the dominate species.

35 72263035-Cut	86.0	4129 - Mixed Oak	High Density Pole	88	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription Final harvest with reserves. Leave 4 to 6 2 acre patches scattered throughout the stand. Military restriction must be applied to sale.

Specs:

Other Comments:

Next Steps: Should regenerate naturally to a mixed stand of Aspen Oak.

37 72263037-Cut	33.0	4129 - Mixed Oak	Medium Density Pole	88	Harvest	Clearcut	Oak, Pine	Cmpt. Review Proposal
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Prescription Overstory removal. Cut all species 4"at DBH and up. Protect as much of the regeneration as possible. Stand needs military specifications.

Specs:

Other Comments:

Next Steps: No regeneration survey will be needed if enough regeneration remains or is protected after harvest.

39 72263039-Cut	98.1	42110 - Planted Red Pine	High Density Log	71	Harvest	Crown Thinning	Planted Red Pine	Cmpt. Review Proposal
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Prescription Thin stand to 90 BA. Remove all other hardwood species and Jack Pine. Stand is under military lease and military harvest restriction need to be apply to harvest.

Specs:

Other Comments: Northeast corner borders an ERA (Lovells Fen) No written management plan on this ERA as of now. Check before sale is set up on what might need to be done here.

Next Steps:

48 72263048-Cut	94.7	42110 - Planted Red Pine	High Density Log	61	Harvest	Clearcut with Reserves	Planted Red Pine	Cmpt. Review Proposal
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Prescription Final harvest with retention patches. This stand is part of the Red Pine project and was prescribed and set up as a sale prior to inventory this compartment. Sale is already soled. Sale #726200801 Military Red Pine.

Specs:

Other Comments:

Next Steps: Natural regen.

**Total Treatment
Acreage Proposed: 544.7**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

**Total Treatment
Acreage Proposed: 0**

Data updated before 2:00 PM

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2012



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4124 - Red with White Oak	Medium Density Log	43.1	70		Stand was harvested in 2005. All Aspen was removed and the Oak was left. Heavy understory of aspen with some red maple and oak regen. Two track trail traverses to the south end of stand. Stand is under long term military lease.
2	42220 - Natural Jack Pine	High Density Pole	45.2	61		Jack pine stand with small pocket of Quaking aspen scattered throughout the stand. Stand also has small openings scattered throughout it and a medium stocking of Jack pine saplings. There is a low stocking of Oak saplings also and several two track trails traversing through it. Stand is under military lease.
3	4130 - Aspen	High Density Sapling	3.9	14		New stand added. Immature Quaking aspen stand with a mix of immature Jack pine in a small hole. Stand was last harvested in 1996 with surrounding stand. Surrounding stand planted to Jack pine and this stand may have been planted too. (1997) Military leased lands.
4	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	31.2	14		Immature Jack pine plantation with mixed deciduous trees scattered throughout stand. Planted in 1997. Stand is under long term military lease.
5	4130 - Aspen	High Density Pole	1.9	19		A small stand of immature aspen on the edge of a lowland jack pine stand. Stand is approaching small pole size. Stand is under long term military lease.
6	4130 - Aspen	High Density Pole	3.6	18	51-80	Stand is a finger of immature Aspen just reaching small pole size into a lowland Jack pine stand. Stand is under long term military lease.
7	6126 - Lowland Jack Pine	High Density Pole	39.7	76	51-80	Large lowland Jack pine stand with some small aspen pockets scattered throughout it. Sphagnum moss and leatherleaf for ground cover. Lots of standing dead Jack pine snags. If harvesting stand, stand has a high potential for rutting in winter or dry summer. Stand is under long term military lease.
8	4130 - Aspen	High Density Pole	4.4	18	51-80	Stand of immature Aspen and Oak that jets out into a lowland stand of Jack Pine. Stand is under long term military lease.
9	4130 - Aspen	High Density Pole	7.2	18		Immature Aspen stand approaching small pole size. Stand is a finger jetting out into a lowland Jack pine stand. Stand is under long term military lease.
10	42220 - Natural Jack Pine	High Density Log	110.1	63	51-80	Large stand of Jack Pine mixed with Aspen pockets and scattered Oak. Stand is under long term military lease.
11	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	8.6	61		Pine/Aspen stand. A portion of this stand has been set up with a sale from compartment 257. Stand is under long term military lease.
14	4132 - Aspen, Jack Pine	High Density Pole	10.6	27		New stand added. Immature Aspen stand. Stand reaching just into pole size. Stand is under long term military lease.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	4130 - Aspen	High Density Sapling	6.6	5		Immature Aspen stand mixed with a small amount of Jack regen. Stand is located in a kettle hole. Stand is under long term military lease.
16	42220 - Natural Jack Pine	High Density Pole	15.0	63		Jack Pine stand mixed with some Aspen and Oak. Several two track trails traverse through the stand. Stand is under long term military lease. All surrounding stands have been harvested in the last 5 - 10 years.
17	4130 - Aspen	High Density Sapling	47.5	5		New stand added. Immature Aspen stand with scattered Oak and Jack Pine seedlings and saplings. Aspen is 4 - 6 foot saplings. Stand harvested last entry year. West side of stand borders Wakely Bridge Rd. Two track trail traverses north/south across a portion of the stand. Stand is under long term military lease.
19	4132 - Aspen, Jack Pine	Medium Density Pole	9.3	61	51-80	Stand of Aspen mixed with Jack Pine and some Red Pine. Stand is located on both sides of Wakely Bridge Rd. Stand is under long term military lease.
20	42120 - Planted Jack Pine	Medium Density	69.0	13		New stand added. Stand planted in 1997 to Jack pine and possibly a mixture of Red Pine. Stand has scattered Red pine in rows as well as the Jack Pine. Stand is under long term military lease.
21	42220 - Natural Jack Pine	High Density Pole	6.4	61	81-110	Stand of mature Jack pine with some grassy patches scattered throughout it. West side of stand borders Wakely Bridge Rd. Stand is under long term military lease.
23	4130 - Aspen	High Density Pole	16.1	26		Immature Aspen stand mixed with some scattered Red Pine and Jack Pine. Stand is under long term military lease.
24	42290 - Natural Mixed Pine	High Density Log	3.6	61	81-110	Small stand of Red Pine and some Jack Pine surrounded by Aspen. Stand is under long term military lease.
25	4191 - Mixed Upland Deciduous with Conifer	High Density Log	40.9	82	51-80	Mixed stand of Oak and Jack pine.. Some Aspen, Red pine and Red maple mixed within the stand as well. Oak, Jack pine and some Aspen over mature. Lots of fuelwood cutting activity in past and present. East side of stand borders Wakely Bridge rd. Stand is also under long term military lease. West side of stand borders natural regenerating Aspen/Jack pine stand (4-6ft aspen).
26	4191 - Mixed Upland Deciduous with Conifer	High Density Log	57.5	88	51-80	A mature mixed stand of Oak/Pine/Aspen. North and west side of stand is a mix of Oak, Jack pine, Red pine and Aspen with lots of mixed regen in the understory. West side of stand borders Wakely Bridge rd. South east part of stand is more dense Oak/Aspen. Two trail traverses through the northern part of stand. Stand is under long term military lease.
27	4121 - Oak, Aspen	High Density Pole	31.5	26	1-50	Immature Oak stand mixed with Aspen. Valley of Quaking Aspen running north/south through stand and a grassy opening(old landing). West side of stand borders Wakely Bridge rd. Two track trail traverses through south end of stand east/west. Stand is under long term military lease.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4124 - Red with White Oak	High Density Log	35.4	61	51-80	Stand was harvested in the fall of 2003. All Aspen was treated. Stand is under long term military lease. West side of stand borders Wakely Bridge Road. Red maple and Aspen regenerating in understory.
30	4130 - Aspen	High Density Sapling	103.8	26	51-80	Large Aspen stand just reaching into pole size. Some Oak, Red maple and cherry mixed within stand. Stand is under long term military lease. A couple of two track roads traverse through the stand.
31	4199 - Other Mixed Upland Deciduous	Low Density Log	233.3	69	51-80	A large stand of Oak/Aspen mixed with some Red Maple scattered throughout. Stand was previously harvested in 2004 leaving scattered patches of mature timber and approximately 10 BA of Oak within the area that was harvested. Dense immature aspen mixed with some red maple and oak in areas previously harvested (Understory). Two track trails traverse through the middle and south end of stand. Stand is under long term military lease.
32	4130 - Aspen	High Density Sapling	59.1	18	1-50	Immature Aspen stand with Red maple mix. Stand is reaching young pole size. Stand is under long term military lease.
33	4199 - Other Mixed Upland Deciduous	High Density Pole	12.3	88	111-140	Oak stand mixed with Aspen and other deciduous species. Could be classified as a northern hardwood stand. Stand has some sugar maple in it as well as red maple. Two track trails traverse through the middle of the stand. Stand is under long term military lease. Paper birch has died out of stand.
34	42110 - Planted Red Pine	High Density Log	2.6	71	111-140	Small stand of planted open grown Red pine with some Jack pine mixed in. Red pine very limby and some deformity. Some natural Red pine regeneration occurring in and around stand edge. Some Oak/Red maple in understory. Two track traverses through stand. Stand is under long term military lease.
35	4129 - Mixed Oak	High Density Pole	86.0	88	81-110	Mixed Oak stand with Aspen and Red maple mixed. Located mostly on a ridge running north and south. A couple of two tracks traverse east and west through the stand. Stand is under long term military lease. Stand is pretty much open underneath in the understory. Not a lot of regen. Scattered shrubs and saplings.
37	4129 - Mixed Oak	Medium Density Pole	33.0	88		Stand is a mixed upland Oak stand with a couple pockets of Quaking aspen with in it. Some scattered Jack pine. Lots of mortality in older oak and heavy firewood cutting. Lots of natural oak regen scattered throughout the stand of seedling/sapling size and some small poles. Military leased lands.
38	4130 - Aspen	Medium Density	2.6	28		Small stand of immature Aspen. Rolling terrain. Harvested last entry year. Two track trails traverse through the stand. Stand is under long term military lease.
39	42110 - Planted Red Pine	High Density Log	98.1	71	111-140	Planted Red Pine plantation mixed with Jack Pine, Oak, Red Maple and some Aspen. A couple of kettle holes (small bogs) are scattered within the stand. A couple of two tracks traverse north to south through the stand. Some rows maybe hard to make out. Stand is under long term military lease.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	6126 - Lowland Jack Pine	High Density Pole	5.7	61	51-80	Treed bog (Jack & Red pine). Lots of dead standing snags. Leatherleaf and mosses for ground cover. Stand is surrounded by Jack & Red pine saw and pole timber. Stand under long term military lease.
42	42110 - Planted Red Pine	Medium Density Log	24.6	71	51-80	Red pine stand(plantation). Jack pine was removed last entry year. Varying BA throughout the stand. Small bog in north end of stand. Two track traverses along the west side of stand. Stand is under long term military lease.
43	42110 - Planted Red Pine	High Density Log	3.5	61		Stand of planted Red Pine mixed with Jack pine on side slope that slopes to a small bog in the center of the stand. Stand under long term military lease.
44	42110 - Planted Red Pine	High Density Log	191.1	61	81-110	A large Red pine plantation row thinned last entry year(winter 2003/summer 2004). Several two track trails traverse throughout the stand. Stand is under long term military lease.
47	42111 - Planted Red Pine, Mixed Deciduous	Medium Density	47.0	10		Stand swapped from Non-Forested to Forested. Stand was part of forest fire in July 1998, salvaged in 1999 and planted in Spring of 2000. Anywhere from 3-6 ft seeding/saplings of Red pine, Jack pine, Oak, Red maple and Cherry.
48	42110 - Planted Red Pine	High Density Log	94.7	61		Red Pine plantation. Thinned last entry year. Scheduled for treatment before this entry year under the Red Pine Project.



Stand	Cover Type	Acres	Gen Cmts:
12	3303 - Mixed Low Density Trees	114.8	Large stand that was harvested in the last entry year. Scattered natural regeneration of Jack Pine, Oak and Aspen. Most of the regeneration is under 3 feet tall and is patchy throughout the stand. Two track trails traverse through the stand and a strip of Jack Pine (uncut timber) was left along both side of two track. Stand is under long term military lease.
13	50 - Water	1.1	Standing water and marsh grasses. Stand continues into compartment to the north (264). Stand is under long term military lease.
18	3303 - Mixed Low Density Trees	4.4	Open grassy field with scattered shrubs and trees scattered throughout the stand. Part of a more open grassy field to the north in Compartment 264. Stand is located on both sides of Wakely Bridge Rd. Jack Pine/Aspen encroaching into the stand. Stand is under long term military lease.
22	3303 - Mixed Low Density Trees	11.9	Scattered aspen, red, pine, jack pine with grass. Some hawthorn. Stand is under long term military lease.
28	3303 - Mixed Low Density Trees	4.2	
36	3102 - Grass	5.8	Stand is an upland grassy opening on rolling terrain with patches of cherry scattered throught it. A couple of Oak seedling/saplings, patches of blueberry and one clump of Oak pulpwood exists in the stand. Poor quality Quaking aspen incroaching into stand. Stand is under long term military lease.
41	6224 - Treed Bog	1.9	Marshy Treed Bog. Kettle hole with marsh grasses, leatherleaf and scattered Jack Pine sapling and tall Willow shrub. Stand surrounded by a Red Pine plantation that was thinned with an exception of a buffer of uncut Red Pine/Jack Pine around it. Stand is under long term military lease.
45	50 - Water	0.8	Open water. Stand continues into Compartment 264 to the north. Stand is surrounded by bog. Stand is under long term military lease. Stand is part of an ERA (Lovell's Fen).
46	6221 - Fen	1.7	Stand is part of a large bog that continues into Compartment 264 to the north. Stand surround stand of water. Stand is also considerable lower in elevation than most of the surrounding terrain. Stand is under long term military lease. Spagnum mosses, leather leaf and a few scattered Jack Pine and Tamerack. Stand is part of an ERA (Lovell's Fen)



7 – 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.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments
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8 – 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.

Data updated before 2:00 PM

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

Conservation Area	Type	Description
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.
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.